

NASA

the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION
VOLUME XXXVI NUMBER 11
NOVEMBER 1996
NRK

Norway Now, every Sunday. A thirty minute broadcast in English with news, comments and feature programmes.

UTC	Freq. MHz	Target
0600	5.965	Europe
	7.180	Europe, West Africa, New Zealand
	9.590	Middle East
0900	13.800	Australia
1300	9.590	Europe
	9.910	Far East
	15.605	Russia, South-East Asia, W. Australia
1400	11.730	South-Asia
1600	9.590	East Africa
	11.840	North America, west
1900	5.960	Eastern Europe
	7.485	Western Europe, West Africa
	9.590	Central and South Africa
	1.314	Europe (mediumwave)
2300	5.905	South America
	7.275	South-East Asia, W. Australia
	7.465	North and Central America
0200	7.465	North America, east
	7.520	North and Central America
0400	7.520	North America, west

Radio Norway International
No. 2 1996 27. OKTOBER 29. MARS

Book Bonanza '96

Every fall Universal Radio features a special sale called the *Book Bonanza*. We work with major shortwave publishers to bring you exceptional savings on the best radio books. Universal is pleased to again offer you these once-a-year special values. These publications will make your radio hobby more interesting and more productive.

Sale prices are valid 09-01-96 to 11-30-96.

➔ **PLEASE ADD \$2 PER TITLE FOR SHIPPING**



WORLD RADIO TV HANDBOOK
1997 Edition

Considered the SWL's *Bible* with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a frequency listing of SWBC stations. Some equipment reviews, too. A publication for every listener. New 51st Ed. Will be shipped when printed in late Oct.

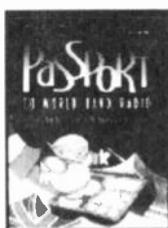
Order #2000 \$24-95 \$21 90



FM ATLAS AND STATION DIRECTORY

By Bruce Elving. This unique book covers FM broadcast stations in North America. Maps are included for each state (and Canadian province) showing station call and location. It also includes station listings by location and frequency. ©1995 Sixteenth Edition. *FM Atlas Publishing* 224 p. This is a great value!

Order #0983 \$15-95 \$8 90



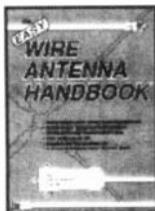
PASSPORT TO WORLD BAND RADIO 1997 Edition

By Larry Magno. A must have book for every worldband listener. Here is everything you need to know about when and where to hear the world; hour by hour, country by country and frequency by frequency. Also includes candid, hard hitting reviews on worldband radios including portables and table-top models. An expanded station address section is also featured. *Passports* the world's number one selling shortwave guide. An indispensable reference with over 500 pages!

Save over \$5!

Brand new 1997 Edition

Order #1000 \$19-95 \$14.90



THE EASY WIRE ANTENNA HANDBOOK

By Dave Ingram K4TJWJ. The author gives you all the needed instructions and dimensions for a full range of easy-to-build HF antennas. No complicated formulas! Plus information on tuners, transmatchers, transmission lines and commercial wire antennas. ©1992 *Universal Electronics* 105 p.

Order #0296 \$9-95 \$5 90



THE COMPREHENSIVE GUIDE TO MILITARY MONITORING

By S. Douglass. Provides the information you need to effectively monitor all types of military communications on shortwave, VHF and UHF frequencies. This book reviews: equipment, systems, major military bases, monitoring play books and even black projects. ©1994 *Universal Electronics* 280 p.

Order #3301 \$49-95 \$17 90

COMPLETE SHORTWAVE LISTENER'S HANDBOOK

By Bennett, Hardy & Yoder. This 4th Edition of over 300 pages covers SWLing from A to Z. Perhaps the best "background" book on the listening hobby. Chapters include: receivers, terminology, antennas, QSLs, propagation, frequencies, FM and TV DX'ing. ©1993 *Tab*

Order #2792 \$49-95 \$18 90

SHORTWAVE LISTENING GUIDEBOOK

By H. Helms. Here is understandable information on: selecting and operating a shortwave receiver, antennas, time stations, pirates and much more. With tables and diagrams. Gives you a solid understanding of shortwave radio. ©1993 Second Ed. *HighText* 321 p.

Order #2984 \$49-95 \$18 90

PIRATE RADIO (+ Audio CD!) Underground Illegal Broadcasting.

By Yoder. A behind the scenes look at the incredible saga of America's underground, illegal broadcasters. From early pirate broadcasting to today. It's all here. Includes an audio CD with segments from some of the most famous, infamous and notorious pirates. ©1995 *HighText*, 326 p.

Order #3038 \$29-95 \$26 90

SHORTWAVE RADIO LISTENING FOR BEGINNERS

By Anita L. McCormick. Now it's easy to learn how shortwave radio works, what equipment is available and where to find it. Also what stations can be heard and when. Includes definitions for many abbreviations and terms plus a resource list. ©1993 *Tab* 173 p.

Order #0394 \$49-95 \$39 90

WORLDWIDE AERONAUTICAL COMMUNICATIONS FREQ. DIR.

By R. E. Evans. The most complete and up-to-date aeronautical communications frequency directory ever! Over 2350 discrete frequencies with full commercial and military coverage, encompassing both voice and digital modes in HF, VHF & UHF bands. The definitive aero reference. Second Ed. ©1994 *URR* 260 p.

Order #0042 \$49-95 \$17 90

GUIDE TO UTILITY STATIONS

By J. Klingenfuss. The world's biggest and best guide to non-broadcast stations. Aero, maritime, military, diplo, time stations and more. Covers SSB, CW, AM and exhaustive RTTY 11,100 changes since last Ed. Expensive, but well worth it. (Includes *Guide to World RTTY Stations*). 1996-14th Ed. 606 p.

Order #2656 \$39-95 \$34 90

SHORTWAVE INTERNATIONAL FREQUENCY HANDBOOK

By B. Laver. This British import is a comprehensive handbook of radio from 400 kHz to 30 MHz. Includes broadcast and non-broadcast stations. The best attempt we have seen to provide an affordable list of broadcast and utility stations in one publication. ©October 1994 *Spa Publishing* 188 p.

Order #0084 \$49-95 \$18 90

RADIOS BY HALLCRAFTERS

By C. Dechle. A marvelous book with over 1000 big, sharp photos of radio receivers, transmitters, speakers, early TV sets and accessories from the famous Hallicrafters label. Technical descriptions of every known model including dates, new and current prices. ©1996 *Schiffer* 225 p.

Order #3311 \$29-95 \$26 90



Quality Equipment Since 1942

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
www.universal-radio.com

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



SUMMER 1996 CATALOG

Universal's *Summer 1996* (96-07) 100 page catalog covers everything for the shortwave, amateur and scanner enthusiasts. With prices, informative photos and full descriptions. To request it please call toll-free:

1 800 431-3939

Bob Padula, editor of the Electronic DX Press ("EDXP") in Australia, tells us that since Saturday 21 September 1996, the EDXP has been the prime sponsor for the provision of international shortwave DX information and news for the weekly English DX program, Pacific DX Report, broadcast over Trans World Radio, KTWR, Guam. Assisting Bob in the preparing the scripts is Mick Ogrizek. Pacific DX Report is heard on Saturdays at 0820 UTC on 15200, Saturdays at 0940 UTC on 11830, and on Mondays at 1615 UTC on 11580. Special fully detailed QSLs are available from EDXP for correct reception reports of Pacific DX Report! Reports should be sent to:

EDXP QSL Service
Attention: Bob Padula
404 Mont Albert Road
Surrey Hills
Victoria 3127
Australia

E-mailed reports can be sent to Bob Padula <100026.262@compuserve.com> and FAXed reports may be sent to the EDXP—Attention: Bob Padula at +61 3 9898 2906. Return postage with postal mailed reports would be appreciated.

Anker Petersen of the Danish Shortwave Club International ("DSWCI") urges all shortwave listeners to protest to Mr. Hans Jorgen Skov, Director General of Radio Denmark, if you disagree that the programs in English about Denmark should cease by the end of December 1996, when the year of Copenhagen as the City of Culture in Europe is over. In September during one of the

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. The net moves to 3940 LSB after the 40m session closes for an informal session. Net Controls Tom Sundstrom W2XQ, Hausie WB4JSP, Dave Kirby N8JQX, and Bob Curtis W1EXZ host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info also available at <http://www.trsc.com/swl_net.htm>.

fortnightly programs in English over Radio Denmark, Julian Isherwood mentioned that there were no indications that his program would continue after 1996. Tune in to Radio Denmark's English program and send a letter of protest to the station if you feel they should continue.

The Association of North American Radio Clubs election for Executive Board positions is almost complete. We should have the results in the next issue of the Journal. Once elected, the 1997 Executive Board will select a new Chairman for 1997 from among its ranks. I "retire" from that position at year end when my current term on the board expires.

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

Our Motto Is - "Unity and Friendship"

NASA16b

Visit our club home page on the World Wide Web at <http://www.mcs.com/~ralph/html/nasaw/>

Calendar Of Events

Nov 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.

Nov 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/~bndx/>>.

Nov 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.

Nov 22 Meeting. The Chicago Area DX Club will be meeting at 7:00 PM at the Faith Lutheran Church Parish Hall in Oak Lawn, IL, 9700 S. Melvina Ave. We will be having a pot luck dinner. Bring your favorite dish. For more information contact Ed Stroh at 708-877-5204.

Dec 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

Mar'97 Contest. 1997 North American DX Championships. Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1997 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.

Mar'97 Convention. The 10th 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 over 200 hobbyists each year. Further details and information will appear later this year.

Jun'97 Convention. The 31st Annual European DX Council ("EDXC") Conference will be held on 20-22 June 1997 at the Hotel Lazne in the eastern part of the Czech Republic. It will be organized by the Czechoslovakian DX Club. More details to come.

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: rbrandi@lucent.com).

FRENDX: Twenty Five Years Ago....

Bill Eddings talked about new clubs lead by inexperienced DXers that fold due to lack of effective leadership. Renewing members included Al Drehman (3rd year), Bill Matthews and Bob Padula (6th year), Marlin Field (7th year), August Balbi and Donald Jensen (8th year). In Bill Matthews' Shortwave Center column, Al Niblack reviews that Hammarlund HQ-200 receiver. In the QSL Report column, 123 different countries were represented.

Welcome to the following new NASWA members

Kenneth R. Arndt, Gaylord, MI
Thomas Brightman, Riverside, RI
Clarence R. Lake, Boulder City, NV
Ken Maltz, Syosset, NY
Edward D. McCarthy, New Milford, CT
Frank D. Moore, Canon City, CO
Dave Mosier, Santa Cruz, CA

Robert H. Quade, Enfield, CT
Richard M. Ray, Downers Grove, IL
Mark Rogers, Shipshaw, Quebec, CANADA
Mindy Scheer, Dunnellon, FL
D. M. Schwartz, Springfield, IL
Douglas Smith, Cumberland, MD
Neal Weaser, Bloomsburg, PA

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.

Musings

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

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

I would like to thank Dr. Neil T. Greenidge of Bronx, NY, for sending me an address where I could obtain a new timer after mine was destroyed by lightning. May our motto of "Unity and Friendship" continue.

73, Marlin

Doug Robertson, 4045 Sunset Lane, Oxnard, CA 93035

Another crank-to-play dynamo powered radio is available. The Asteroid radio has some very big multipower flexibility pluses over the Baylis BayGen Freeplay radio, and one major minus.

This tiny marvel measures only six inches wide by two and three quarter inches high by one and one quarter inches deep. The entire top is a solar cell. A claimed three hour sun exposure stores enough power for "three to five days" (play). The dynamo is cranked from the right end with a tiny folding crank. "Turn handle clock-wise" one to three minutes for twenty minutes play. You can also use conventional battery power or an AC/DC adaptor (not supplied); so a lot of options, including incandescent light, are engineered in the circuit.

A small rotary dial would appear to require a careful touch to tune the AM and FM bands. There is an even smaller rotary control combining power on-off and volume adjust. Small LEDs denote power on and tuning. A slide switch selects AM or FM. Another slide switch needs to be set for solar charging, DC 3 volt charging, or dynamo charging positions. A five section whip antenna extends from the right rear top of the case. Price is under \$33 (no, that is no mistake!).

The one major minus is, of course, the lack of any short wave band coverage. Thus, it is not expected to challenge the Freeplay radio as a primary receiver in Third World country usage.

The National Geographic Society (1-800-447-0647) offers the Asteroid radio in their 1996 Holiday Gift Catalog; the price is \$36.50 (plus S&H) if a non-member. This radio may also be available elsewhere, and is intriguing for its technical design features rather than short wave listener relevance.

73, Doug

Eric Bueneman (N0UIH), 631 Coachway Lane, Hazelwood, MO 63042-1347 (314) 839-9751 (prepaid only!) (Internet: EricB631@juno.com)

Note the new E-mail address...trying a different E-mail service! I've made a couple of adjustments in the N0UIH Countries List. Germany is now counted twice (for East and West Germany). There is one stipulation...stations from the formerly divided country can be counted separately only if it's prior to January 1, 1990. If you logged it after 1/1/90, it only counts as one country. If you logged it in both eras, it may be counted separately and as a reunited country. As for Alaska, logs from the 49th State will count as a separate country only if the station is heard prior to January 3, 1959 (the date Alaska was admitted to the Union). In Hawaii's case, logs from the 50th State will count as a separate country only if the station is heard prior to August 21, 1959 (the date Hawaii was admitted to the Union). Otherwise, Alaska and Hawaii has to be counted as U.S. stations on the N0UIH Countries List. A copy of it is now available for a SASE in the U.S., or 2 IRCs elsewhere.

73, Eric-N0UIH

Hardware Bits by Alan Johnson

RADIO SHACK FOR 1997 - This is old news, but the 1997 catalog is available at Radio Shack stores. There was no charge for mine, as long as I gave my address. There are no new shortwave radios or accessories, but the price on the DX-394 tabletop receiver has been lowered by \$100 to \$299.99. I wonder if they're trying to move them out? I am also curious about the new long-range AM/FM portable, catalog number 12-603. It seems to have very similar features to the GE Superadio III - is the RS product just a repackaged Superadio?

SOMMER WIDE-BAND ANTENNAS - This German firm has been producing directional beam antennas for the amateur market for several years. They have recently introduced two wide-band vertical antennas and two variations of a discone antenna for HF reception. The vertical antennas are a variation of a wave antenna design rather than the common 1/4 wave vertical design and come in either 25 or 50 foot heights. The discone and disconical antennas are approximately 23 feet high with a base diameter between 13 and 26 feet. The prices for the verticals are \$260 (TCS-25) and \$400 (TCS-50) and the discones start at \$360. They're expensive and take up some real estate, but they may be worth considering as a single antenna solution. Sommer Antennas, P.O. Box 710, Geneva FL 32732; 407-349-9114; FAX 407-349-2485; E-mail: sommer1@ix.netcom.com; WWW: <http://www.sommerantennas.com>.

ALPHA DELTA ACCESSORY SPEAKER - New from Alpha Delta Communications, Inc. is the Model VRC Variable Response Console. The unit incorporates a speaker in a bass reflex cabinet with a two distortion audio amplifier. There are controls for bass boost/cut and high frequency cut-off. The VRC also incorporates a 40 dB notch and 20 dB peak circuit with variable center frequency and bandwidth. List price is \$249.95. Contact Alpha Delta Communications, Inc. at P.O. Box 620, Manchester, KY 40962; 606-598-2029; FAX 606-598-4413.

MFJ DATA FILTER - For those who enjoy monitoring digital mode utility signals, MFJ has introduced the Model 781 DSP filter. The unit connects between the receiver and multimode data controller. There are 100 different filter configurations available, of which 20 can be assigned to a front panel switch for easy, one-knob selection. The unit is designed to improve reception of any digital modes. The suggested list price is \$129.95. MFJ's contact information is P.O. Box 494, Mississippi State, MS 39762; 601-323-5869; 800-647-1800 (nearest dealer/orders); 800-647-TECH (technical help); FAX 601-323-6551.

Easy Listening

Richard D. Cuff
1016 Chestnut Ridge Drive
Timonium, MD 21093-1716
CompuServe: 73651.153
Internet: rdcuff@worldnet.att.net

Listening in Non-Prime Time

I've had the privilege in recent weeks of being "in transition" between jobs. This has enabled me to have a more flexible schedule than when I've been in a more structured work environment, and I've been able to take notes on broadcasters' airings of English-language programs outside of evening hours. These days, it seems local evenings have brought about very crowded SWBC bands, requiring the narrow filter on my Sony ICF-2010 to avoid the 5 kHz heterodynes. I've been taking some notes as to non-prime time evening hours when easy listening-quality broadcasts can be heard, without requiring the use of the narrow filter and the accompanying loss in audio quality. Here are some times, broadcasters, and frequencies to save for potential use with a tape recorder and timer. These are all from my Baltimore area location, and the usual disclaimers apply.

Time	Broadcaster	Frequency, kHz
0800	Monitor Radio Int'l	7535
1400	Radio Japan (v. Canada)	11705
1900	Radio Bulgaria	11720
1900	Deutsche Welle	13690
1900	Voice of America	15445
1900	Radio Budapest	9835
1900	BBC World Service (Africa)	15400
1930	Radio Netherlands	17605
2000	Kol Israel	7465
2000	Radio Canada Int'l	17820

Beware of the seasonal time changes for broadcasters like Radio Bulgaria, Radio Budapest, and Kol Israel. Frequency changes by the time you see this may also render this table less than 100% useful.

Mini-reviews

Around Australia is a new program airing on Radio Australia. It airs four days per

week, and features interviews with interesting Australians. It's a magazine show, somewhat like the BBC's **Outlook** or **Network UK**. Interview subjects on **Around Australia** aren't current affairs related; the topics were general human interest topics. It appears to have replaced **Australiana** in Radio Australia's program lineup, airing weekdays except Wednesday at 1210.

The Europeans is a weekly **Radio Australia** series that looks at European cultures from an outsider's perspective. For example, **The Europeans** is currently in the midst of a multi-part series of programs on Albania, a country that rarely makes news headlines in the West. Each edition covers a single theme. **The Europeans** airs Sundays at 1330.

Talking Politics on Radio Australia reminds me of the adage that politics is like sausage: Once you've seen both being made you might not consume either again. Dirty laundry Australian style is aired in this program, with excerpts from the Australian Parliament and discussion about the top issues in domestic Australian politics. You need to know the players to keep track of the action—similar to the CBC programs rebroadcast over Radio Canada International—but it's an engaging program. Fridays at 1130.

African Perspective is a weekly series on the **BBC World Service Africa** stream. The program looks at "...life and issues affecting the continent", in the view of **BBC On Air**; however, a recently sampled edition looked at a phenomenon—foster families for expatriate Nigerians living in the United Kingdom—that bridges two continents. It's an unusual perspective—one doesn't often hear African views of the world on shortwave; one normally hears the reverse. **African Perspective** airs Fridays at 1615 and 1901.

Target Topics: Programs for Youth

There are a number of programs on short-wave targeted to youthful audiences. Although SW has relatively few programs for this sector of the population—John Figliozi counts 67 listings out of 7067 total in his database—less than 1%, SW still stacks up as generous when compared with US domestic radio. Furthermore, none of this programming on SW (including the religious offerings) is even remotely exploitative like counterparts on domestic US radio and TV.

One of the most frequently mentioned young people's programs is Ears, produced by New Zealand's national domestic radio network and rebroadcast on Radio New Zealand International (RNZI). Unfortunately, New Zealand's Labor Day weekend pre-empted Ears with a rugby match on RNZI, so I am not able to characterize the program for you.

"My Green Earth" on RFPI is a fine nature program oriented toward younger listeners.

John also specifically cites Radio Netherlands' **Roughly Speaking**, launched earlier this year. Howard Shannon hosts this lifestyle program about Europe's young people, and presents it in a fast paced style. Regular features include *The Soapbox*, *Careers Guide*, *My Europe* (a radio diary), and travel features.

Much of HCJB's weekend morning programming is oriented to young people; the most notable program is Solstice, targeted to a teen audience and produced in HCJB's Australia studios. Greg Allen and Liesl Daniels host, with interesting topics and music found nowhere else on the shortwave dial. The Solstice program staff can be reached by E-mail at solstice@hcjb.org.au. Note that this is HCJB's Australian domain address, not their regular Ecuadoran address. Thanks to HCJB's Allen Graham, here are some highlights from the November schedule for Solstice:

November 9: World champion surfer Greg Anderson talks about his career, his views on

the best surfing spot in the world, and his stories about other surfers' near-death experiences.

November 16: Geek Speak—it's not as nerdy as it used to be! In fact, most of us are now talking it. (*Speak for yourself, Allen! ..ed.*) Solstice this week has more on the Internet and young people, plus news of how listeners can connect with other Solstice listeners all around the world.

November 23: Adventures in "Geek Speak" continue. Also, remembering HCJB's evangelical mission, Solstice asks the question, "What does God think about sex?" After all, he invented it...

Peter Bowen offers the following on Vatican Radio's **Feature for Young People**:

Christian ministry to children and young adults has traditionally been a concern of the Western Church. So it is no surprise that Vatican Radio, the official voice of the Roman Catholic church, offers this weekly 5 minute program.

Each program is devoted to a single topic and is examined from a spiritual or religious perspective. The reader uses a prepared script and provides the official Roman Catholic position on the topic. The approach is a soft sell, but is catechetical in nature, reinforced by a slow and deliberate presentation. Unfortunately, like most religious teaching, this results in a dull and dry program.

Feature for Young People is targeted to the converted, and to those who instruct them. It's designed to be an aural catechism in the ways and life of the Roman Catholic church and how to live in act in accordance with the Church's teaching's. This is a good example of an international broadcaster functioning as an educator, versus as an entertainer or an informer.

As a program for the general public, it's too dull and boring to be of much interest. Even for those curious about the Roman Catholic church and its teachings about youth-related subjects, the heavily pedantic approach risks

killing any curiosity. But, from the perspective of someone already Catholic and involved in the church, the program instructs youth and their teachers and fits the bill rather well.

Unfortunately, I don't have a time or day for **Feature for Young People**—I'll provide that later.

Peter makes an important distinction here that applies to much of what's on shortwave nowadays—programming that is targeted to a narrowly defined, motivated audience. Shortwave is a cost-effective way to reach a motivated audience if they're willing to invest in a shortwave radio and learn about the vagaries of propagation, seasonal frequency changes, and so on. This also explains the development of religious and commercial paid advocacy stations like WRMI, WHRI, and WWCN. Whoops, I got off track. Now, back to our programs for youth...

There are several BBC World Service entries worth mentioning:

The current BBC schedule doesn't show any youth-oriented phone-in programs, although I expect them to regularly reappear in the schedule. I would also expect another round

of **What's News**, a look at current affairs from a youthful perspective hosted by Sarah Ward.

Megamix covers trends, entertainment, sports, and youth issues, and airs for 30 minutes weekly at 2330 Tuesdays and 1530 Thursdays to the Americas. Harriet Green produces. This program has undergone a recent facelift, according to John Figliozzi.

Multitrack: Alternative focuses on contemporary pop music, with interviews of new bands, in-depth features, and competitions. To the Americas Fridays 2330, to Europe Fridays 2030, and to Africa Fridays 2130.

Multitrack: Hit List has the UK Top 20 singles and related popular music news. Tim Smith is the BBC's answer to Kasey Casem. Mondays, at the same times as **Multitrack: Alternative** above.

Multitrack X-Press looks at new releases, pop news, interviews, and album best sellers. Mark Goodier hosts this segment Wednesdays, times as above.

Here's a summary of other possibilities, courtesy of John Figliozzi:

0545	Sat/Sun	R. New Zealand Int'l.	Storytime
0300	Mon	R. for Peace Int'l	My Green Earth
0230	Sun	HCJB	Solstice
1130	Sat	HCJB	We Kids
1200	Sun	HCJB	Kids' Corner
1200	Sat	HCJB	A Visit with Mrs. G
1215	Sat	HCJB	Adventure Pals
1230	Sun	HCJB	Your Story Hour
1230	Sat	HCJB	Odyssey
2120	First Sat.	All India Radio	For Youth
2300	Sun	WWCN Tx#1	A Visit with Mrs. G
2330	Sat	R. Netherlands	Roughly Speaking

I've spent more space than normal on this topic because I believe those of us with children at home should be shortwave evangelists if the hobby is to continue. I suspect many of us (myself included) got our starts in the hobby through our parents, and introducing our children to one or more of these programs just might get them pried away from the television or the computer.

BBC On Air: Missing In Action

As of October 25th I haven't yet received the November edition of BBC program highlights, so I'll use this space somewhat differently this month. First, in chronological order, here are the most significant program time changes that occurred October 27th:

Old Time	Old Day	New Time	New Day	Program
0130	Sun	0230	Sun	People and Politics
0230	Sun	0330	Sun	Music Review
0330	Sun	0430	Sun	People and Politics
0350	Sun	0450	Sun	Write On
0430	Sun	0530	Sun	Science In Action
0530	Sun	0630	Sun	Play of the Week
0330	Sun	0730	Sun	Jazz for the Asking
1900	Daily	2000	Daily	Newshour (Africa: no change)
0530	Mon	0230	Mon	Anything Goes
0230	Mon	0330	Mon	Feature
	Mon	0430	Mon	Development '96
0430	Mon	0530	Mon	Learning World
1600	Weekdays	1700	Weekdays	Europe Today (Europe)
0530	Tue	0230	Tue	Omnibus
0230	TWHA	0330	TWHA	Meridian
0330	Tue-Sat	0430	Tue-Sat	The World Today
0345	Tue-Sat	0445	Tue-Sat	Off The Shelf
0430	Tue-Sat	0530	Tue-Sat	Outlook
0530	Tue	0330	Tue	Omnibus
0530	Wed	0230	Wed	Composer of the Month

I trust you can detect a pattern here. I suspect the remainder of the week is similarly shifted, but I won't know for sure until I see *BBC On Air*.

BBC Mini-Reviews

The World Today: Most programs that investigate the background to the news often limit themselves to current news items. This program is different, as it looks at an international issue of importance even if it's been out of the day-to-day spotlight for a while. This allows a more thoughtful treatment than the instantaneous analysis required for most current affairs programs. At fifteen minutes' length, *The World Today* is long enough to explore in some depth, versus some current affairs programs that can spare barely five minutes per topic in the course of a four-topic, twenty-minute program. Weekdays at 0430 to the Americas, 1615 to Europe, 1645 to Africa.

Newsdesk: If you want to find out the "what" but not necessarily the "why", this half-hour news program is your best bet. The emphasis is on correspondents' reports but not on the background analysis. This program probably comes closest to the radio version of the

Headline News cable/satellite channel. Somewhat disappointingly, this program dominates the Americas schedule, with airings at 0000, 0100, 0400, 1000, 1100, and 2200 UTC. In my opinion, we Americans have multiple sources of news available, but what would add the most value to us would be news analysis and interpretation.

In Conclusion...

Thanks to Allen Graham of HCJB, John Figliozzi, Ralph Brandi, and Peter Bowen for their contributions this month. I am looking forward to next month's issue, emphasizing the Christian and Jewish holiday season, and the end-of-year retrospective programs. Upcoming Target Topics:

December: Christmas/New Year seasonal programs

January: Foreign Language Teaching programs

February: Islamic Culture and Music

Until next month,

73 DE Richard

SW

Shortwave Center

Hans Johnson
8121 S Poplar, 204D
Englewood, CO 80112
CompuServe 73042,3644
Internet 73042.3644@compuserve.com

B.B.C World Service Magazines

by Peter Bowen

B.B.C. World Service has undergone numerous changes in recent years, and, with more budget cuts and a scheduled re-organization of the entire B.B.C. in the offing, more changes will occur in 1997 as well.

The changes that I want to discuss in this brief article are those that have taken place over the last several years in the format of World Service magazines.

Long-time listeners to the World Service will undoubtedly remember the days of London Calling, which was the official program and frequency guide for many, many years. It was a radio-only publication, as World Service television had not yet been introduced by the time that London Calling had ceased publication.

In its final stage, London Calling measured 11 x 8 inches. It was 28 pages in length, including the back cover, with 5 pages of advertising in total. The subscription price for one year 12 pounds, with a single copy costing one pound.

Inside the front cover was a page of program listings by title, called "At a Glance". Comments from the Editor of World Service in English followed. There were then 10-11 pages of information on upcoming programs, both regulars and special features. Daily listings for the entire World Service output in English followed on the next 2 pages (regionalization not having been introduced yet), as well as a page of alternative programs for various areas. There was also one page for letters and responses. At the end were 3 pages of frequencies for English transmissions, and one page for transmissions in vernacular languages.

Except for the back cover, and the ads on the back cover, all photos were in black and white. In fact, black and white were the main colors used in the magazine, although red made an appearance in several places.

London Calling was a useful publication to have around. It did its job well (i.e., the provision of program and frequency information), but it was bland, dull, and lifeless in appearance. It was thus an excellent source of essential information for regular World Service listeners, but was quite unappealing to the eye.

The October 1992 issue was the last to be published. From November, London Calling was to be totally re-designed and incorporated into a new magazine, to be called BBC Worldwide.

The new publication was initially 11x8 inches, and was thus a bit larger than the former London Calling. It was 100 pages in length, with 20 pages of advertising. Heavy, high-quality paper was used, and there was lots of color in the ads and in the pictures that accompanied the articles. A single issue cost £1.25, while a year's subscription was £24.

Steve Weinman, Editor of the old London Calling, was well as the new BBC Worldwide, was quite pleased with the new magazine, even to the point of arrogance. His comments on p.5 of the first issue reflect this: "Never let it be said that we don't do our research thoroughly before embarking on a new venture."

After opening comments by the Editor, these regular features followed: "Preview" (a series of short descriptions on some upcoming World Service radio and television programs for the month), "Bush Diary" (a description

of the day-to-day activities of a Bush House personality), "Worldwide Report" (a series of 5 articles by 5 different correspondents each writing about a selected topic from the perspective of a country in their "patch"), "London Calling" (providing program listings for both radio and television technology), "Review" (brief, critical reviews of new book, cassette, and video releases), a "Crossword", "Letters", and "Lines by Dines" (a comedy feature).

There were also numerous feature articles on both regular and special programs for the month, for both radio and television. Some were long and in-depth, while others were short and to the point. A wide variety of topics were covered: politics and current events, business and economics, sport, background on B.B.C people and events, agriculture, travel, history, music, general human interest, etc. Many photos accompanied these articles.

The re-vamped London Calling had 16 pages devoted to World Service radio, as well as several pages describing television programs. The radio section offered numerous pages of day-to-day listings, which included brief background details on some shows. There were also listings of programs by category, and then by title, with broadcast times. Sidebar columns on the day-by-day listings pages were also featured. Towards the end of the radio section were listings for regional alternatives and B.B.C. English. At the very end of London Calling were details of English transmissions, rebroadcasters, and vernacular transmissions.

London Calling was printed on yellow paper, to distinguish it from the white pages of the rest of the magazine. Black, white, and gray were the main colors used, with occasional red-letting. Photos were in black and white.

BBC Worldwide initially was a large publication. It was bright and colorful, had lots of great articles and full-color photos, and was printed on high-quality paper. Although it was more expensive than the old London Calling, it was an excellent publication, both in terms of appearance and content. The new version of London Calling, however, was

still bland and dull in its appearance, although the listings had been improved and expanded.

Numerous changes took place in the magazine in the following 2 years. Some of them added to the quality of the magazine, while others definitely reduced its quality. Initially, however, the changes were mostly for the better.

A new feature was added in April 1993. "My Big Break" was a description by a famous personality of how he/she broke into the big time of their particular profession. Two pages of classified ads, called "Worldwide Classifieds", were also added in the same issue.

July 1993 saw improvements to London Calling. Two pages were now devoted to listing radio programs in category, with accompanying broadcast times, similar to the "At a Glance" feature in the old London Calling. This eliminated similar listings which had previously been placed on side columns on the day-by-day pages. Only sport highlights remained on the side panels. Larger print was also added to the day-by-day listings.

"Update" was added in September 1994. It was a new feature providing news about developments in World Service radio and television.

In the course of the first year of publication, annual subscriptions had been raised to 20 pounds, length is anywhere from 103-115 pages, and ads now account for 28 pages in total. London Calling now has 18 pages for radio, with a slight expansion of the color-scheme to include yellow and brown.

The April 1995 edition of London Calling brought many changes, due to the introduction of regionalization of B.B.C. World Service radio. Regular features in London Calling now are: "Radio Programs" (by category, with broadcast times), Day-by-Day listings with an accompanying small map showing the location of the particular region), "Radio Frequencies" (color-coded to show English transmissions for individual regions), "Rebroadcasters", and a list of vernacular transmissions. There is now much more color in this section, due to the colors

used to identify particular categories of information for particular regional streams.

A smaller size format for the magazine as a whole was introduced for 2 months in mid-1995, measuring 10 x 8 inches, but the larger size re-appeared in September. Both the introduction and the discontinuance of this smaller size came without warning or explanation.

It is at this point that readers began to notice the decline in the quality of the magazine. From now on, almost all of the changes that would occur would accelerate this decline.

Soon, the magazine is only 91 pages in length, with 26 pages of advertising. Although it has the same format and wide range of articles, it has much less writing and many more photos than in the past. Some articles are not even a full page.

A reversion to the smaller size occurs in December 1995. The Editor acknowledges the reduced size this time, and states that it is to make the magazine more portable. It is also due to the increasing cost of paper, with a lighter type of paper also being introduced at this point.

The format has also been changed. Regular features now are: "Letters", "Cover Feature", "Bush Diary", "Switched On" (short articles on upcoming programs), "My Big Break", "Worldwide Classifieds", "Crossword", and "Nelson's Column" (a comedy feature which had replaced "Lines by Dines" some time before).

The decline in quality continued in the following issues. Some "articles" were little more than collections of glossy pictures with captions. It was poorly stapled, and often came apart when the television guide (a pull-out section) was removed. The Editor's comments, however, continued to focus exclusively on programming—no mention is made of the rapidly deteriorating quality of the magazine itself.

The Editor's comments for April 1996 were, surprisingly, written by Vicky Payne, the Deputy Editor. No mention was made of the whereabouts of the magazine's Editor, Steve Weinman.

The final edition of BBC Worldwide was dated May 1996. Vicky Payne, the new Editor, announces the end of the magazine, due to rising production costs and the inability of the B.B.C. to continue funding it. She went on to state that a recently-conducted reader survey indicated that what readers really wanted in a B.B.C. magazine was up-to-date program information, up-to-date frequency information, and reliable delivery. So a new magazine, lighter, cheaper, and easier to deliver, and with reader-friendly program and frequency information, would begin from June 1996.

The ending of BBC Worldwide came as no surprise to regular readers. It had clearly been on the decline for more than a year, and had reached the point where its death was an act of mercy. At the end, it bore little resemblance to the fine publication which began in November 1992.

BBC On Air began life with 47 pages, 7 of which were ads. It was 11 x 8 inches, the same size as the old London Calling. A year's subscription costs 18 pounds.

Regular features in the new magazine were these: "On Air This Month" (a selection of short articles relating to upcoming programs), "My Guiding Stars" (a description of those people who have influenced B.B.C. personalities), "Radio Programs" (a listing by category, with broadcast times, for each stream), Programs day-by-day for all streams (with each day of the week occupying 2 facing pages and having sidebar columns/features on these pages), "Tuning Into Radio" (frequency guide), "Waveguide" (a sidebar feature in the previous section), television listings (and accompanying background details(s)), "Nelson's Column", and "Radio in 42 Languages" (a listing of vernacular transmissions)

Throughout the magazine, the focus of the articles and columns is entirely on upcoming programs and BBC personalities for both radio and television. Almost all of the photos are in color, articles and features are short and to the point, and the paper used is bright white.

Initially, the frequency charts for radio were not clear, due to the use of a heavy, dark, and dull color scheme. But from August, the

frequency charts were re-designed, with a lighter and brighter color scheme making them easier to read (and thus use). Transmitter sites are now given for all frequencies of broadcasts in English.

Although similar in purpose to the old London Calling (i.e., a basic program and frequency guide, with some background information included as well), BBC on Air is much brighter and more colorful. It is thus easier and more enjoyable to use.

B.B.C. World Service magazines have undergone many changes in the past 4 years. BBC On Air is a far better publication than

the former London Calling, and so there has been a definite improvement at the end of those 4 years. In between the two magazines, however, was the rise and fall of an even finer magazine, BBC Worldwide. Although it began as a fine publication, it quickly went downhill as the publishers attempted to keep it going in the face of falling revenues and increasing costs. It clearly did not meet the needs of its intended market, in spite of Steve Weinman's initial boast. It proved to be another example (along with five-fold regionalization) of seriously mis-guided change with the B.B.C. World Service. I sincerely hope that BBC On Air does not meet with the same fate.

The following is a compilation of information from several Dxers of the Union of Asian Dxers. I would also like to thank the DSWCI's Dx Window, where some of this material appeared. The pieces were untitled, but I will call the compilation:

The Story of a little transmitter

compiled by Hans Johnson of material from Victor Goonetilleke, Sarath Weerakoon and M. Sunmugasundaram of the UADX

During the height of Liberation Tigers of Tamil Eelam (LTTE) radio activity in Sri Lanka, the government imported a 12.5 kW Marconi transmitter to jam rebel radio broadcasts as well as to transmit a government-run black clandestine. The clandestine programming consisted of programming by the Tamil group EPDP which was anti-LTTE.

Finally the transmitter broke and was lying at Ekala, Sri Lanka. Trans World Radio (TWR) was offered the transmitter on a repair and you can use it basis. Even the wiring inside was eaten away by rats. TWR was able to fix the transmitter and installed it at its Puttalam transmitter site. TWR didn't want to invest in a costly antenna system, so they put up a dipole with a reflector just about 30 feet off the ground. The feeder lines were open wire feeders and the insulators are PVC 2" rubbing pieces! First tests were encouraging and frequencies of 5030 and 6035 were used. After a while TWR used it both 0030 and 1330 blocks to beam to India in Tamil and English since the Sri Lankan government didn't allow TWR's 882 AM transmitter to operate in English/Sinhala/Tamil the languages of Sri

Lanka before local midnight and after 5 a.m. Two years ago the government dropped this clause and thus TWR stopped using 6035 and went over exclusively to MW 882. The Sri Lankan Government in the meantime was using the transmitter for a daytime broadcast of the SLBC for government forces in the North since there was more or less a de facto Tamil state run by the rebels in the North and the government controlled only a few large camps which were accessible only via air and sea. The SLBC depended on SW to reach the Tamil populace in the north and east after Tamil guerrillas attacked the AM station in Jaffna. This situation has changed now with the government taking control of the northern Jaffna peninsula and the second base of the rebels as well. The Tiger Radio Puligalin Kural lost its Jaffna base, then shifted to Killinochchi which again was over run by the government forces early October. Now the Tiger R. is limited to a few broadcasts on FM irregularly.

Government forces are no longer using the transmitter, and it is currently used by the SLBC at 1200-1330 to broadcast its Tamil Service towards the strife torn north and east of the island. This frequency is used in addition to 5020 from Ekala. **SW**

Listener's Library

T. J. "Skip" Arey WB2GHA
P. O. Box 644
Waterford Works, NJ 08089
Internet: tjarey@mosquito.com

I recently entered the world of DC to Daylight receivers with the purchase of an AOR AR8000. This is the first receiver I have owned that takes full advantage of several of the computer control applications that are available for radio hobbyists. With this in mind, I chased down the more popular programs for evaluation with my new toy. Incidentally I am using the new Optoelectronics Optolinx interface to get from my AR8K to my computer. So this month's column will deal mostly with publications of the software kind, specifically those packages that can be used with many popular receivers.

SCANCAT 6.0
SCANCAT-GOLD
\$69.95 (6.0)
\$94.95 (Gold)
\$24.95 (Upgrade to Gold)
Computer Aided Technologies
PO Box 18285
Shreveport, LA 71138
(318) 636-1234
<http://www.scancat.com/>

I found this package to be very versatile in all my applications. It has the added advantage of being able to run in very basic DOS type computers. This allowed me to dedicate an aging "pre-windows" laptop to receiver control. Scancat can be configured to run on almost any DOS based PC with as little as 640K of memory. Scancat can be configured to run off of a floppy disk or from a hard drive. Receivers supported include AOR, Drake, Kenwood, Lowe, Icom, Yaesu, JRC, Watkins-Johnson, and Radio Shack scanners equipped with Optoelectronics interface boards. Scancat is also NOT copy protected, allowing the user to install the program on more than one computer. Since I currently have three PC capable of receiver control, this was a real plus.

The basic functions of SCANCAT 6.0 (in-

cluded with the SCANCAT-GOLD package) includes the ability to search between any two frequencies and by any increment. You can create disk files and import most text file formats onto files that Scancat can recognize. You can log frequencies to files while scanning a range of frequencies. These files can then themselves be scanned at a future time. Further scanning spectrum analysis can be performed. You can download the memory of many receivers into disk files for future use. Similarly you can upload Scancat prepared disk files into your receiver's memory.

Additionally SCANCAT GOLD provides the ability to link up to 15 frequency files or search banks from disk. You also get database file support including the Percon Spectrum CDROM, the Grove CD ROM, and our own Tom Sundstrom's TRS Consultant's schedules. (Maybe if we all ask him nicely, Tom will send an example of his service in for evaluation in a future Listener's Library). It will also support almost any database system. Scancat-Gold can scan HF and VHF Icom receivers simultaneously. It can print to disk files or to a printer. It supports "birdie" lockout. For our VHF monitoring friends, Scancat-Gold can search by CTSS and DCS tones with appropriately equipped receivers. Scancat-Gold supports files of unlimited size. This is especially important as receivers have grown into the realm of one thousand channels. This program also has on-line help features that make for easy use for first timers such as myself. AOR AR 8000 owners can use Scancat to restore 800 MHz capabilities to give full frequency coverage to their receiver.

Scancat has been in constant development since its initial release in 1989. They have consistently improved their package as new receivers capable of computer control came on the market. They have a strong history of

beta-testing and constant refinement. If you do discover any difficulties, they have a technical support line (318) 687-2555 and a BBS (318) 631-3082. They also have a presence on the Internet <<http://www.scancat.com/>>. Demo versions of their program can be downloaded from either their BBS or their internet web page.

My first major outing with Scancat-Gold came this September when the notorious SCANNER SCUM gathered for our annual radio weekend and male-bonding experience in Virginia Beach. Prior to the trip I utilized the Percon Spectrum CDROM and my own database of shortwave and medium wave frequencies to develop a series of disk files that could be quickly loaded into my AR8K's memory banks. All I needed to do was to decide what I wanted to listen to and I directed my laptop to "make it so." Given the HF and VHF frequency rich nature of the greater Virginia Beach area, the search and store features allowed me to generate yet another file of previously ungathered frequencies. These files will remain in storage for next years gathering of Scum. Throughout three days of use during every waking hour (and a few searches whilst in slumber) the program never burped. You scanner oriented types will have to read my upcoming review in the AOSC's American Scannergram to find out how well this software works with the Optoelectronics Scout.

Included with the program is a 107-page manual that reveals all. I also regularly frequent their website and their FTP files which give the user many great frequency lists to search. As I mentioned earlier, I have great appreciation for the fact that this program remains accessible in DOS even though it will also run fine under Windows 3.x and Windows 95. I've run this software on an 8088, SX386 and 60 MHz Pentium without any difficulties. With these capabilities I can assure you that SCANCAT-GOLD will become a trusted friend in short order.

If you have access to an SX386 or higher PC and have Microsoft Windows 3.x or Windows 95 capability with at least 4 MB of memory, there is another software package that may be worth a look.

*SCAN*STAR for Windows*

Scan*Star for Windows SE—\$99.97

Scan*Star for Windows Plus—\$159.97

Signal Intelligence

PO Box 640891

San Jose, CA 95164

(408) 926-5630

<http://www.scanstar.com/>

Many radio hobbyists prefer to take advantage of the Windows operating environment. The major advantage this supplies is the ability to send a program off to work in the background while you perform another task. Scan*Star is designed to take full advantage of Windows, including its ability to address up to four individual COM ports.

Scan*Star supports receivers made by, AOR, Drake, Icom, JRC, Yaesu and Radio Shack scanners equipped with Optoelectronics interface boards.

Scan*Star SE is an entry level package for users with basic computer control needs. SE allows you to combine groups, banks and search ranges and scan at once. It allows spectrum analysis with graphics and printing. Search and store mode finds frequencies and builds new groups that can be logged to either disk or printer. It supports import and export data in various formats such as the Percon UFDBF standard. It includes a full feature data manager. Owners of AOR AR 8000 receiver will be pleased to discover frequency unlocking and bandplan editing features. Many receivers can be scanned by carrier squelch, sound squelch, PL/DPL code or signal strength. Scan*Star offers a tactical display that can be reconfigured to the users wishes and a "mini-status" monitor that shows activity without wasting windows desktop space.

All scanning parameters are selectable on a per-channel basis, or by macro control. The user can browse any DBASE file and import records, including Percon and Grove.

Scan*Star Plus for Windows Features offers additional features including the ability to operate up to ten radios at one time, using any port combination. You can "search slave" (hand-off) with priority and preemption, us-

ing any two radios. This version includes a monitoring assistant for spectrum browsing. The user can define database fields with DBase field associations. Also, additional support for HF receivers make this program a logical choice for shortwave broadcast hobbyists.

The only limits I experienced using this software were my own. My laptop is NOT configured for Windows so I had to conduct my tests using my desktop computers. This more or less defeated the portability of my AR8K but still improved upon the receiver's performance by its many features. Initially I had to get the program happy with my choices of COM ports because it does not appreciate "shared" port set-ups. I do tend to expect my computers to do a few too many things at once sometimes. Once I made a few modifications to my systems configuration to bring it back into the "real world" I found the program ran just fine off of any available COM port even the dreaded COM-4 that sometimes gives users problems. Once configured, the program's ability to operate in the background while performing another task (such as writing this article) is a joy. Since most folks aren't total techno-junkies with multiple computers on their desktops, Scan*Star in the Windows environment should suit most users' needs.

Catalog Capers

Earlier I mentioned that I got together with the Scanner Scum at Virginia Beach this September. One of the reasons we gather at

this location is the big Hamfest that is held each year in that neck of the woods. We usually run across a few familiar folks such as Dr. Harold Cones (Dr. DX to you). Also on hand this year was Bill Plum. Bill and his father had a table offering his well known Airmail Postage and DX supplies. He had a new book/catalog on display that should be in the hands of every serious QSL seeker in the hobby.

FOREIGN AIRMAIL POSTAGE FOR SUCCESSFUL QSLING

The SASE Method

by William J. Plum

\$5.00

Airmail Postage & DX Supplies

12 Glenn Road

Flemington, NJ 08822-3322

(908) 788-1020

In this work, Bill takes the time to explain in detail some of the most effective ways of getting a high QSL return. Bill elicits the help of a number of his most successful past customers who reveal their secrets to keeping their QSL quotient at the best rate possible. The book contains dozens of practical tips about finding your way through the intricacies of the international postal system. The book is written from the perspective of amateur radio QSL'ing but all of the information and ideas apply directly to successful shortwave broadcast QSL'ing as well. Of course this work also includes Bill's catalog of postage and mailing services that have been a standard in our hobby for many years. 

Net Notes by Ralph Brandi

Fans of *Listener's Notebook* may want to take note of a similar column put out by the Danish Shortwave Club International (DSWCI) called "DX Window". It is a soft-copy only newsletter available by e-mail to active DSWCI members, or to everyone else, possibly after a slight delay, at Hermod Pedersen's excellent Nordic Shortwave Center at <<http://www.sds.se/org/swi/>>. The instructions for the newsletter say that club members can get access to the current newsletter with a password, but I see no evidence of password protection on the site, and the archives section that is available to everyone seems to be up-to-date. This excellent newsletter, edited by Finn Krone, a regular contributor to NASWA columnist Adrian Peterson's *WaveScan* program, contains instructions, which should be familiar to computer enthusiasts, that "it is hoped that those who use this facility will do so in the spirit of Shareware. That is, those who find themselves frequently visiting the site will be expected to join the Danish Shortwave Club International." Requirements for regular e-mail receipt sound similar to those for the popular *Cumbre-DX* newsletter founded by NASWA's Hans Johnson. 

Equipment Reviews

Alan Johnson
2490 Sharon Way
Reno, NV 89509
CompuServe 76665,1756
Internet 76665.1756@compuserve.com

The Ten-Tec #1253 Nine-Band Regenerative Receiver Kit

The leaves are beginning to change color, the nights are getting cooler and the tropical bands are becoming less noisy. Yes, another DX season is approaching. The onset of fall also means fewer outdoor activities and more time for electronics projects. The Ten-Tec #1253 receiver kit is a great project for those who want to build their own radio as well as relive radio history.

Ten-Tec, Inc., a U.S. manufacturer of quality amateur transceivers and amplifiers, has started a line of kits of interest to the SWL as well as the ham operator. The 1253 is a regenerative type receiver—a modern, solid-state version of a radio circuit that was invented prior to World War One. The regenerative receiver uses positive feedback in the detector circuit to provide additional amplification for improved sensitivity as well as reception of Morse code and single sideband signals when the amount of feedback is increased to the point of oscillation. The circuitry of a regen is simple, but care is required in adjustment of the controls. Although a regenerative receiver is no match for modern communications receivers, the #1253 offers surprising performance, is fun to operate and you can build one yourself!

The Model 1253

The 1253 is a complete kit—all the user has to supply is eight "C" cells or other source of 12 volt DC power and an antenna (the manual recommends 20 to 30 feet of wire). The receiver kit sells for \$59.00 and covers 1.76–1.99 MHz, 3.3–4.15 MHz and 5.5–21.5 MHz in nine bands. The instruction manual is clear and easy to follow, almost up to the old

Heathkit standard. The 1253 uses five transistors and three IC's in a modern regenerative circuit. Tuning and fine tuning are accomplished with the use of varactor diodes rather than expensive variable capacitors.

It took me about three evenings to assemble the 1253 receiver. There is a fairly high parts count, but the radio is assembled in stages, with each major stage being tested before proceeding to the next. The circuit board is of very high quality and all component locations are clearly silk-screened. There are even solder pads provided for adding optional capacitors to tweak the tuning ranges of the band-selecting inductors. I had no difficulty in putting the radio together or getting it to work, but it might be wise for the first time kit-builder to have some help with the 1253, at least in terms of how to identify and place components on a PC board and with soldering.

The finished product is extremely professional looking. The front panel silk-screening is of the highest quality and the LED band indicators are a unique twist for a product in this price class. The 1253 is very compact with overall dimensions of 3 3/4 x 6 x 6 inches (HxWxD). Provision is made for powering the radio with eight internal "C" cells for portable operation. There is a large main tuning knob with a fine tuning knob just below it. The other front panel controls are RF Gain, Regeneration and Volume knobs, a toggle switch for power and a pushbutton for band selection. There is a top mounted three inch speaker which receives plenty of power from an audio amplifier IC (the same chip that is used for audio output in TenTec transceivers!).

Operation

I'm a little embarrassed to admit it, but it took me a while to master the operation of this radio—especially for SSB signals. There is a great degree of interaction between the RF Gain and regeneration controls. If the RF Gain is turned up too high, especially with a full-size outdoor antenna, strong signals "swamp" the receiver. In addition, the "sweet spot" of the Regeneration control, i.e. the setting just before the radio breaks into oscillation and the point of greatest sensitivity for AM mode signals, is very narrow. This setting varies not only from band to band, but also within each band. There is a wiring option for increasing the sensitivity of the regenerative detector which supposedly makes the setting of the regen control even more critical, but I couldn't tell much difference between the two options in this regard. The main tuning is direct, without a vernier reduction, so tuning is quite sharp—the fine tuning control is a welcome addition.

Once I got the hang of it, the TenTec #1253 was a lot of fun to use. The sensitivity was more than adequate for listening to the major international broadcasters and numerous amateur signals. I was able to regularly listen to RFP1 on their 40 meter frequency with little difficulty. Selectivity depended on the strength of the competing signals, for example, I had little trouble separating HCJB on 9,745 kHz from RCI on 9,755 kHz, but KAIJ on 5,810 kHz was audible when the receiver was tuned to WEWN on 5,825 kHz. There was plenty of audio output and the sound was very listenable. The tuning takes some getting used to for those who are used to direct keyboard entry. The tuning dial is calibrated in a 1 to 21 index scale with additional marks halfway between each numeral. There is a chart in the manual for the user to list the actual frequency for each index mark for each band, using either a digital readout receiver or a signal generator for reference. You pretty quickly learn that HCJB (or whatever) is located at 8.5 when on the 31 meter band. This is more a radio for bandscanning rather than pre-setting for a specific station, although the resetability between listening sessions is very consistent. The radio has minimal drift after a several minute warm-up period. There is a voltage regulator in the power supply to the detector stage which helps in this regard.

The Competition

The TenTec #1253 is not the only inexpensive regenerative kit that is currently available. There is also the MFJ Model 8100, which lists for the same price, at least according to last ad I saw that featured the MFJ kit. The MFJ does not cover as broad a frequency range—it has 5 bands with approximate coverage of 3.5 to 4.3 MHz, 5.9 to 7.4 MHz, 9.5 to 12 MHz, 13.2 to 16.4 MHz and 17.5 to 22 MHz. Bandswitching is accomplished by a rotary switch, rather than the digital method used on the TenTec. There is no front panel RF gain control and no fine tuning control. There is a vernier reduction drive on the tuning control, so tuning is quite smooth. I also found that the regeneration control has a wider range on the MFJ, making it less "fussy" to operate. The MFJ is easier to build, since it has a lower parts count than the TenTec. Personally, I like the appearance of the TenTec over the MFJ and I really like the fact that the TenTec has a built-in speaker—the MFJ 8100 only has jacks for Walkman-type headphones. Sensitivity and selectivity are about equal, not surprising since the RF amplifier and oscillator/detector circuits are very similar and use the same transistors—the TenTec adds a voltage regulator stage to improve the stability of the oscillator/detector and uses a higher output audio amplifier IC to permit speaker level audio levels.

A Box Of Fun

If you enjoy building kits and like to turn knobs, the TenTec #1253 is worth looking at. It was fun to construct and, after an initial period of frustration, fun to operate. It won't take the place of the kilobuck communications receiver on your desk, but it will help you while away those cold winter nights. If you're not sure whether a regenerative receiver is your cup of tea, you might consider the TenTec #1054 kit, which costs \$24 and covers four bands, including the 49 through 31 meter bands, as well as 12 to 15 MHz. It lacks a case, knobs and speaker. A case and knob package is available for an additional \$19.50. TenTec produces some other interesting kits such as a BFO and an active antenna—contact them for a catalog. TenTec's address is 1185 Dolly Parton Parkway, Sevierville, TN 37862-3710; phone (423) 453-7172 (information); (800) 833-7373 (credit card orders only).

The Sangean ATS-909

Portable Receiver

The ATS-909 is the new flagship of Sangean's line of portable receivers. It is a full-featured radio, and, somewhat unusual in these days, comes with a complete set of accessories: AC power supply (the review unit's adapter was for 120 volt AC only), in-ear stereo earphones, reel antenna and a carry case. The receiver provides continuous coverage from 153 kHz to 29.999 MHz and coverage of the FM broadcasting band from 87.5 to 108 MHz. Reception modes include AM and SSB/CW as well as FM stereo (with headphones). It is slightly larger than the Sony ICF-7600G and Grundig YB400, but is still quite portable at 8 1/4 x 5 x 1 1/2 inches (WxHxD) and weighs in at 30 ounces. The built-in whip is 44 inches—unusually long for a portable of this size. There is also a 1/8" phone jack for an external antenna. Four "AA" cells are required for portable operation.

Thoughtful Design

The Sangean designers certainly did their homework in studying the competition prior to introducing the '909. All the various tuning methods are supported: direct keypad entry, Up/Down pushbuttons, rotary knob, automatic scanning and memory presets. There is a world time clock which is preprogrammed to display the current time in any of 42 world cities—of most interest to DX'er's is the fact that the clock is continuously displayed and can be set to show UTC time. The clock function includes three timer circuits which can be set for three different frequencies or a buzzer can be chosen as the alarm. The off time can not be set—the radio turns off automatically after one hour. In addition, there is a tape recorder turn-on jack and a line level output for unattended recording. The sleep timer can be set to turn off the '909 in intervals of ten minutes up to a total of 90 minutes. There are 306 memory channels arranged in pages of 9 channels/page—29 pages for shortwave, 2 for FM and MW and one page for LW. Each page can be labeled with up to eight alphanumeric characters. On FM, the '909

incorporates the RDS (Radio Data System) which will automatically display the call letters or name of stations that incorporate this feature. There is also a "priority key" for one button selection of a favorite frequency.

The ATS-909 also incorporates some unique features. I was quite pleased to see that the volume and RF Gain controls are knobs, rather than sliders. I find it much easier to turn a knob with one hand—with sliders, it seems I need to use the other hand to steady the radio or do "one hand gymnastics" to steady the radio with thumb and ring finger while adjusting the slider with my index finger. The '909 includes Sangean's "Automatic Tuning System" (that's where the ATS in the model designation comes from) which will automatically load the memories for the LW, MW and FM bands with the strongest signals on the band—very handy for the traveller who wants to locate the local stations in a new area. The only feature that is lacking in the ATS-909 is synchronous detection.

The Tuning Details

There are a plethora of tuning options on the '909. The models sold in the U.S. come with the memory channels pre-loaded for most of the major international broadcasters. These can, of course, be modified by the user. To tune a memory channel, one presses the "page" button, then uses either the tuning knob or Up/Down tuning keys to select one of 29 SW memory pages, hits the "Enter" key to activate that page and finally, chooses one of the memory channels on that page with the numeric keypad. It sounds more cumbersome than it actually is. I think that the "page" system is a practical way to organize and label memories, especially when there are over 300 memory channels available. One drawback to this method is that any unfilled channels on a page cannot be reassigned to another page. For automatic scanning, press either of the Up/Down tuning keys and hold for 1/2 second or longer. The radio will scan in the chosen direction in 5

kHz steps within the limits of the international broadcasting meter band that is closest to the starting frequency of the scan. It will stop on an active frequency until one of the tuning keys is pressed again. I was not impressed with the sensitivity of the scan tuning—I tried scanning the 49 meter band during the evening and the '909 didn't stop on a single channel! Scanning performance was much better when an external antenna was used. By pressing the "SW" button twice, the radio enters band select mode in which the numeric keys can be used to jump to the low end of the standard tropical/international broadcasting meter bands (but not the ham bands).

Direct tuning via the keypad is straight forward, although the "F" (for Frequency) button must be pressed prior to entering the frequency in either kHz or Mhz (with decimal point) format, then pressing the Enter key. This logic is necessary since the numeric keypad is also used for memory channel selection, so the "F" key must be pressed to tell the radio that the direct frequency mode is desired rather than memory channel selection. Frequency readout in all modes is to one kHz. For those inclined to more traditional tuning methods there are the Up/Down keys which tune in 5 kHz steps on any mode in SW, 9 kHz in LW and 10 or 9 kHz on MW (depending on the setting of the MW Step switch on the right side of the case). The rotary tuning knob, also on the right side of the case, has detents and therefore can't be spun for rapid frequency excursions. There is a step pushbutton on the front panel which selects fast, slow or lock for the tuning knob. The fast and slow tuning steps depend on the chosen band and mode, i.e. LW: 9 or 1 kHz, MW: 9/10 or 1 kHz, SWAM: 5 or 1 kHz and SSB: 1 kHz or 40 Hz. The audio mutes when the tuning knob is turned quickly, so manually band-scanning takes some patience. Tuning in the slow rate on SSB is very SLOW—it would be nice to be able to toggle directly between the fast and slow rates without having to go through the "Lock" setting.

Comprehensive Display

The LCD display shows a wealth of information. At the top is the time, either local or UTC in 24 hour format. To the right of the clock is the timer and sleep timer

display, if any of these functions are active. Below this is the selected mode and beneath the mode indicator is the tuned frequency and meter band, if the tuned frequency is in one of the recognized meter band segments. To the left is the general band (SW, MW, LW or FM) designator as well as the memory page number. To the right is a fourteen segment signal strength indicator which also shows the level of battery charge for approximately seven seconds when the radio is switched off. In a box beneath the frequency display is the alphanumeric label (or RDS on FM) display. The label appears either when tuning via the memory pages or when a frequency that is stored in memory is entered via the keypad (but not when tuned via the tuning knob). One drawback to this method is that of shared frequencies—when 9,515 kHz is entered via the keypad "GERMANY" appears in the display, even though that frequency is also stored on the "ENGLAND" page. The other idiosyncrasy of the label display is that the label remains displayed even when the radio is tuned off the frequency. The LCD is well back-lit, either momentarily for 12 seconds by pressing the light button when the radio is battery powered or continuously when the AC adapter is used. Below the LCD display the frequency limits of the meter bands are conveniently printed for quick reference.

Other Controls

On the right hand side of the case there are switches for automatic or manual time setting. Automatic setting is via a time signal from RDS FM stations, a function which may not be available in all areas. There is a three position (News/Normal/Music) tone switch to select the amount of treble roll-off and another switch for Wide/Narrow selectivity on LW/MW/SW or Mono/Stereo on FM. On the bottom of the case is a reset button which will reset the clock and microprocessor (but not the memories) when pressed. There are also two terminals marked "Data In" adjacent to the reset button. A service technician at Sangean America, Inc. told me that these are used to program the memory channels at the factory and that currently there is no provision for ATS-909 owners to use them. There is a flip-down stand on the back of the case to tilt the radio for table top use.

Performance

Overall, the ATS-909 was a worthy performer. I did a side-by-side comparison with a Sony ICF-2010, with the Sangean powered from its AC adapter and the Sony on batteries. The antenna used was the built-in whip on each radio. The Sony had slightly better sensitivity, occasionally yielding almost copyable audio where there was just noise on the Sangean. Using the supplied reel antenna significantly helped the '909 on weak signals. The Sangean was very well-behaved when connected to a full-sized outdoor antenna—I was unable to detect any spurious images of local MW stations in the lower HF regions (a sign of front-end overloading) when I connected my 120' random wire through the Sangean's external antenna jack. Unlike some other plastic cased portables, I couldn't find any instances of "breakthrough" of local FM stations on the shortwave range on the '909.

The selectivity of the '909 was very good for listening to SW broadcast signals. I measured the filter bandwidths at the -6 dB points as 6.5 kHz for the wide filter and 5 kHz for the narrow filter. The narrow filter was very effective in removing the heterodyne from adjacent signals without muffling the audio response. The Sony had the selectivity advantage for really tough signals thanks to its sharper narrow filter and selectable sideband synchronous detector. The Sangean's narrow filter is also too wide for comfortable reception of amateur SSB signals, unless the signal is in the clear. This is a shame, as the 40 Hz tuning rate in SSB

mode resolves these signals well. This tuning step is a little too coarse for acceptable ECSS tuning of AM signals containing musical programming, although it is OK for voice signals. When the radio is in SSB reception mode, the filter defaults to the narrower bandwidth. I found that the three position tone switch had only a minimal effect in rolling off the high frequency response. The overall sound of the ATS-909 was quite pleasant and the overall circuit noise was subjectively low.

Overall

The Sangean ATS-909 is a welcome addition to the portable marketplace. It packs a lot of features and solid performance in a conveniently sized package. For my listening purposes, I wish the '909 incorporated a selectable sideband synchronous detector and a sharper narrow filter. I feel that the '2010 is a slightly better performer, especially for listening to hams and for tough DX signals, but the Sangean is much more portable and costs less. The retail list price is quoted in most ads as \$399.95 (one ad shows \$349.95), but there are substantial discounts from most dealers to the under \$300 range—shop around. The radio carries a one-year warranty. It's good to see Sangean putting out a top-notch product again. Sangean America, Inc. can be contacted at 2651 Troy Ave., S. El Monte, CA 91733; (818) 579-1600; FAX (818) 579-6806. Their Shortwave "Hotline" number is 1-888-SANGEAN. Thanks to Fred Osterman at Universal Radio for providing the review unit. 

FOR SALE: As a group. "Radio Database International" 1984 (Tropical Band Survey), 1985/86 Part 1, 1987. "Passport to World Band Radio" 1988, 1991, 1993, 1994, 1995. Best Offer. Bob Coomler, 442 Oak Lane Avenue, Santa Rosa, CA 95409

FOR SALE: Drake R-8 in mint condition with Realistic Minimus 7 speaker. Price \$675.00. Kevin Johnson at <KWJohnson@aol.com> or phone (612) 820-0343 evenings. No collect calls, please.

Adrian Peterson's Diary

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

Voice of the Maldives

Out there in the distant blue ocean, far beyond the bustling cities of modern society, lie the peaceful and almost idyllic Maldivian Islands. While not on shortwave now, Radio Maldives' first venture into experimental radio broadcasting began in 1960. It was on March 12, 1964 that they inaugurated their first regular radio station.

The Maldives are a fascinating group of tropical islands. Way out in the Indian Ocean, they are almost unknown to the American tourist, although hordes of Europeans flock to these islands in charter aircraft to escape the harsh realities of the long northern winter. Here you can swim in the clear waters and bask in the tropical sunshine, and return to your homeland with a suntan that is the envy of your less fortunate friends.

When you fly in to the exotic Maldives, the first, breath-taking view of these lonely and lovely islands is a vivid, life-long memory. As your plane descends out of a clear blue sky, you see small tropical islands covered with lush green coconut plantations, clean white coral sand surrounding each island, and shallow green shoreline waters that blend into the dark blue of the deep ocean.

The capital city, Male, is a strange and fascinating place such as one might never see anywhere else in the world. The city covers the entire island. In earlier days, no building was taller than two stories, the streets were not paved, and the only cars were owned by the government.

As you view this remarkable, clean little city from the air, the antennas of Radio Maldives on the northwest edge of the island become apparent. Nearby is the neat white two-story

building that houses the offices, studios, and transmitters. By this time your plane is making the final approach for landing on the nearby airport island, and it looks for a while like you will land in the ocean. The long runway begins on the island of Hulule and extends for half its length into the ocean. Only when the plane has actually touched down on the runway can the passengers see the runway itself.

The Maldivian Islands are situated some 400 miles southwest of Sri Lanka and about 300 miles from the nearest coast of India. This long chain of tropical islands stretches for more than 1,000 miles, and contains 2,000 coral atolls with a total land area of only 115 square miles. About 200 of the islands are occupied by a total population of only 100,000 people. Most are Moslem. Christianity is non-existent in the Maldivian Islands.

The capital city is Male, which covers the entire one square mile of Male Island. It has a population of 17,000. All the islands in the Maldives are about 6 ft. above sea level, and fit the best descriptions of beautiful tropical island anywhere in the world. The Maldivian people have a heritage dating back many hundreds of years. Their ancestors migrated from Sri Lanka (Ceylon), India, and several Arabian and African countries. They speak a language akin to the Sinhala of Sri Lanka, and they write in their own script, which is derived from the Arabic.

Radio broadcasting in the Maldives began in 1960 from a location on the other side of the island. It was a small MW facility which was on the air for just a few hours daily. Loudspeakers were erected in the three public parks on the island, and citizens who did not

own a receiver could go out and listen to the programs. This is reminiscent of similar systems that were in operation in Germany and other countries prior to World War II.

Construction work on the prominent white-colored radio building was commenced a couple of years later, in 1962. A neat and functional two story building, which is guarded by army personnel, was officially inaugurated on March 12, 1964. It houses the studios, offices and transmitters of MIBS, the Maldives Broadcasting Service. The first transmitter on the air from this location was a 5 kw. MW unit on 1507 kHz. The chief engineer at the time, Mr. Q. A. Wickremasinghe of Sri Lanka, constructed all of the transmitters for the station. He was one of the very few amateur radio operators to be licensed in the Maldives. Over a period of 16 years, Mr. Wickremasinghe constructed six more transmitters, all shortwave. Each transmitter was labeled "Made in the Maldives Islands," and each was fixed tuned. Throughout the broadcast day, the various SW transmitters operating in the tropical and international SW bands were switched into service according to propagational needs.

The power output on shortwave ranged from 7 kw. to 30 kw., and the fixed-tuned transmitters radiated in the 90, 60, 49, 41 and 31 metre bands. The broadcast day began on MW at about sunrise, and two hours later the program service was switched to 7225 kHz. Two hours later, again programming was switched, this time to 6150 kHz, and then to 9538 kHz. In the afternoon, the broadcast service was switched back again through the same channels to MW for the local evening.

At this stage only one outlet was used for a commercial and external service, and this operated on 4740 kHz. with an output power sometimes of 30 kw. but more frequently only about 4 kw. It was this commercial service, on the air each evening, which was logged and reported from mainland Asia, and sometimes from as far away as New Zealand and USA. For a few years back in the mid 1960's, the programming of Adventist

World Radio was on the air regularly from this SW outlet.

Two studios with simple production equipment are used for the day-long live programming. One studio is in regular usage throughout the day for the local service in Divehi, the national language, and the other is used in the evenings for the commercial and external service, which includes English. The antenna farm was erected on land reclaimed from the ocean, and schoolboys play football among the masts and stays. Each single-channel transmitter was connected to its own antenna, and the area contained a bevy of antenna structures. Some masts were erected on private property nearby, and the radiating wires slung crisscross in many directions.

When you are on a guided tour of the station, perhaps you will see one of the office secretaries writing out radio scripts in Divehi. Her writing is beautifully neat, and she turns the page sideways so that she can write downhill, Chinese style. Each character, a consonant, has a vowel above it, so that each line of writing appears to be in two lines.

Back in early 1985, a new cargo ship was constructed in Korea. It was bought by a Japanese company and registered in Singapore. On its maiden voyage to the Maldives, the ship steamed too close to the shore and became wedged on the coral reef. It was abandoned, and at low tide the school children could walk right around it. The ship looked as though it was anchored offshore, right against the radio station.

Back in 1982, an Australian company installed two new MW transmitters of 5 kw. each and a new antenna system. This transmitter can be heard all along the western coast of India, way up beyond Bombay. Soon afterwards, work commenced on a totally new radio facility for the Maldives islands. Perhaps they have moved into this new facility by now.

A few years ago, a DX poll in the United States listed Radio Maldives as one of the top ten wanted stations.

Country Radio In Peru

This month we have another interesting station profile, this time about a small shortwave station in the rural part of Peru that was brought to light by Professor Henrik Klemetz, who lives in Bogota, Colombia. In fact, Professor Klemetz has discovered many of these small new radio stations in South America. He has written numerous articles on the Latin American scene and has authored his own book, "Latin America by Radio," and he is also a Contributing Editor to the World Radio TV Handbook. I am indebted to Henrik Klemetz for most of the information in this feature.

Without fanfare or announcement, and quite unexpectedly, the new small voice that made its appearance onto the radio scene in South America was a station calling itself Radio Adventista Mundial, La Voz de Esperanza, in Celendin, northern Peru. Celendin is located on the banks of the Marañon River, which is a tributary of the Amazon. It is situated on the inland edge of the high Andes, 100 miles from the coast and 200 miles from the border with Ecuador. It is in the province of Cajamarca, in a fertile valley in the Andean cordillera.

One would not expect to find an Adventist radio station right in the middle of the 80 metre amateur band. Yet there it was, Radio Adventista Mundial, which means, "World Adventist Radio." It was also announcing as "La Voz de la Esperanza," "The Voice of Hope," and it was broadcasting on 3870 kHz. (or, more accurately, 3869.7, on the edge of the 75 metre tropical shortwave band). The station is on the air daily from 2330 UTC to 0300 UTC with a mixed format of Christian and secular programming, including commercial advertisements.

Celendin still lacks some of the amenities we take for granted in other parts of the world. Electricity, for example, is available only from 6:00 pm to 1:00 am local time. Because of this, all four local radio stations come alive at 2300 UTC. These stations, all shortwave, are Radio Nor Andina on 4461 kHz., Radio Frecuencia VH—La Voz de Celendin on 4485, Radio Celendin on 5085, and Radio Adventista Mundial on 3870.

Radio Adventista Mundial began broadcasting in January 1993, and since then the signal from their 700 watt transmitter has reached not only northern Peru but northern Europe as well. The station has been logged throughout the Americas, as well as in Sweden and Finland. At least two international radio monitors in Finland have received a QSL letter from the station, as well as postcards and a photograph of the station staff. Henrik Klemetz first logged the station on January 23, 1993, thanks to a tip on "Radio Enlace," the Spanish-language DX program over Radio Netherlands. It was reported that there was a "Radio Mundial," also announcing as "La Voz de la Esperanza," on 3871.9. The station was thought to be in Peru, but the specific location was not known.

From this somewhat vague information, Klemetz tracked the station down and identified it. A subsequent reception report produced a QSL letter from the station—a world "first"—and other information as well. The studios and offices are located on the ground floor of a building situated at Jiron 2 de Mayo, No 218, in Celendin. Above the station on the second floor is a primary school with the name "Cristo Redentor," meaning "Christ the Redeemer." The station broadcasts a regular children's program, "Amiguitos" ("Little Friends"), at 0030. Other regular features include a devotional program, "Reflexion," at 0015, news at 0130, and the worldwide "La Voz de la Esperanza" at 0200 UTC. Every evening during the week at midnight there is a program of information on herbal medicines and nature cures. On Friday evening, all programming is religious.

Several months after the inauguration of its shortwave outlet, Radio Adventista Mundial established an FM outlet (the technical details of which have not yet been released). Some of the programming of the station is similar to that from Adventist World Radio, although much of it is locally produced. They also carry a lot of commercial advertising. Radio Adventista Mundial is not officially affiliated with AWR. 

Listener's Notebook

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

Chris Lobdell
P.O. Box 146
Stoneham, MA 02180-0146
CompuServe 75720,253
Internet: piradio@usa1.com

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

AFGHANISTAN Since the takeover of *Radio Afghanistan* by Taliban forces in late September 1996, the radio has at times identified itself as Radio Voice of Sharia. External service broadcasts in Uzbek, Urdu and English are carried immediately after the close of the domestic service at 1600. Sked:

0130-0335	Pashto/Dari	7200 (Sign on time varies to 0215)
0335-0800	Pashto/Dari	7200 Fr
1330-1600	Pashto/Dari	7200

(BBCM)

Recent reports in the shortwave press and Internet newsgroups of *Radio Afghanistan* using 4975 kHz appear to be wrong. BBC Monitoring hears only Tajik radio's external service from Dushanbe on that frequency. (BBCM) I can't confirm reports of Kabul before it fell to Taliban forces at 1500 UTC slot 4970 kHz. Only hear AIR Shillong and Kotakinabalu and Chn on 4970 kHz. I am not doubting them. Checking reports of Kabul on 4975 kHz we hear open carrier at 0050 UTC into tuning sig at 0058 UTC and st ID "Inja Dushanbe" Obviously reports of Kabul here would have stemmed from the Dari sce from TJK 0100-0200 UTC on this freq replacing listed 7245 kHz. As for Kabul itself freq checks at 0120 UTC revealed a carrier on 7197 kHz but at 0130 UTC observed unmodulated carrier on 7200 kHz on Oct 5th. On 6th Sarath W hrd Quoran chants at 0130 UTC without any tuning sig. On Mon 7th hrd Kabul s/on no tuning sig into lengthy 2 minute announcement and into chanting. 0215 UTC AFG mx. Regular now. Credit to Taliban for getting the st on the air within 48 hours of marching into Kabul! Alas we wont hear any women, those beautiful Pashto and Dari ones on the air anymore! (12Oct/Weerakoon & Goonetilleke-SRI/UADX/BCDX/Bueschel)

ALBANIA TWR, for W96, plans to use the Albanian relay:

0600-0615	Kurdish	11635 (Sorani)
1515-1600	Kurdish	7155 (Sorani)
1830-1900	Kurdish	7155 (Kirmanji)

(Padula/EDXP)

ANGOLA Angolan government radio on 30th September reported that the *Voice of the Resistance of*

the Black Cockerel, the radio station of the UNITA (National Union for the Total Independence of Angola) movement, would in future function as a commercial station. The radio gave no further details. (BBCM)

ARGENTINA Comment on a recent item in DX-W [and thus LN] concerning the new frequency of 11055 from Argentine for MW stations on SW (SSB): I am sure the people at the British Antarctic bases will love this. 11055 is a channel for their SSB traffic since decades. If 9106.0 does not work they move up to 11055.0. The British bases are located exactly in the same region as the Argentines are. The frequency is also used by U.S. and German research stations on the Antarctic Peninsula at times. (Kuhl-FRG/DX-W/EDXP)

Radio Nacional Mendoza 6180v and *Radio Marlague* 6160v both seem to be off the air. On checks from 19-22/9 at a DX Camp, I only heard carriers on these frequencies but no programming. (Barrera-ARG/Cumbre/EDXP)

ASCENSION ISLAND For W96, 28/10, *NHK* proposed use of this relay is:

0700-0900	English and Japanese	7815
0930-1000	French	15120 17810
1300-1400	Japanese	15400 21490

(*NHK* sked/Rhodes/Padula/EDXP)

AUSTRALIA Arie Schellaars of *Radio Australia* reminds us that the future of the station is in doubt due to budget cuts. Listener support is needed to: Mr. Bob Mansfield, ABC Review, P.O. Box 1873, Canberra 2601, Australia; or <abcsubmit@mail-host.dca.gov.au> (20-Oct/World of Radio/EDXP/BCDX/Bueschel)

BANGLADESH *Radio Bangladesh* has made a name change and is now identifying as "Bangladesh Betar" even for the English broadcasts. At 1227 UTC tuning sig and ID and freqs. Start of news at 1230 UTC "Here is the news from the the Ext Sce of Bangladesh Betar". 7185 kHz good strength and mod, but //9548 kHz today badly overmodulated, going into distortion. (12-Oct/Weerakoon & Goonetilleke-SRI/UADX/BCDX/Bueschel)

BOLIVIA

4599.27 *R. Villa Montes* (t), from 1002-1010 fade. Audible when the dominant sta. on 4600 (Perla del Acre?) suddenly disappeared. No ID hrd, but M anncr in SS, apparent anthem at 1003 (but so far I haven't been able to confirm it was Bolivian NA). Initially fair, but dropped rapidly. (2-Oct/ Delibert/FT Updater)

4632.44 *R. Once de Octubre*, 0945-1030, Tlk by M at t/in and 1 actuality, so possibly nx.0948-0953 instr. mx w/W voice-over, then long block of ads and/or promos from 0955-1004 w/ments of "...la voz de...", provincia, and poss. Peru. Then at 1004 the signal picked up slightly for a nice canned slow ID by W over flute and piano as: "...R. Once de Octubre ?? Pando Bolivia....para la emisore la ?? R. Once de Octubre....radio". A musical jingle ad followed, then another very similar ID at 1005 by same W as: "Escreva la emisore compania, R. Once de Octubre, sonido estereo... (pause for mx)??R. Once de Octubre". It was still going at 1020 w/roomy-sounding tlk by M. Fading badly by 1030. VERY surprised to ID this!!! Weak w/some SSB and lcl QRM. Almost gave up on it. A rare catch I'm sure. (1-Oct/Valko/FT Updater)

BOSNIA-HERCEGOVINA From a ridiculously confusing sked posted online, here's what I could decipher of the sked for *Radio Jugoslavija* Belgrade World Service until March 2nd, 1997:

0000-0030	Spanish	9720 9620
0030-0130	Serbian	6195 7115 Su
0030-0200	Serbian	6195 7115 Mo-Sa
0100-0130	English	6195 7115 Mo-Sa
0130-0200	Serbian*	6195 7115
0200-0230	English	6100 7130 7230
1330-1400	English	11835
1400-1430	Serbian	11835 (RTS relay)
1500-1530	Russian	11870
1530-1600	Arabic	11800 15175
1600-1630	Russian	6100
1600-1630	French	9620
1600-1630	Russian	11755
1630-1700	German	7215 9620
1700-1730	French	11800
1730-1745	??	6100
1745-1800	??	6100 Mo-Fr
1800-1830	Russian	7185
1900-1930	Russian	6100 7165
1900-2000	Serbian	7230
1930-2000	English	9720 Sa
1930-2000	Serbian	7230 Su-Fr
2000-2030	Serbian	7230 (RTS relay)
2000-2030	Spanish	7220
2000-2100	Serbian	6100
2030-2100	Serbian	6100 7230
2030-2130	Serbian	7230

2200-2230 English 6100 6185

(Klink-FRG)

BOTSWANA *R. Botswana* has been heard on new 9640 with English news at 1917-1922, Oct. 13, first noted Oct. 11 with a big signal, signing off after choral anthem until 2202* (Novello/World of Radio/Hauser)

Following up [the above] item about 9640, which Finn Krone, DSWCI DX Window says he can't hear: I had an unID there one afternoon, but nothing lately. I might have pointed out the fairly obvious, that 9640 is 2 x 4820. To be strong in North Carolina, if unintentional. 4820 transmitter must have been mistuned, and perhaps subsequently fixed. (Hauser)

BULGARIA *Radio Bulgaria* English schedule as from Oct 27-March 29, 1997:

0000-0100	7375 9485
0500-0600	7375 9485
1130-1230	9440
2000-2100	7335 9700
2200-2300	7390 9700

(R. Bulgaria/BCDX/Bueschel)

v9774.8 kHz via [ex jamming SW transmitter] *Radio Varna* at 2100 UTC. News in Bulg, probably originating from MW 1143 kHz and read very rapidly by nervous-sounding announcer. At 2110 UTC, into different program—although no obvious indication it was the special progr for Bulgarian seamen that's supposed to air at 2110 UTC on Fris. Three IDs by woman after 2112 UTC. Strong signal but distorted audio. (20-Sep/Hill/BCDX/Bueschel) Reports in either Bulgarian, English, or Russian to *Radio Varna*, Primorski Blvd. 22, BG-9000 Varna, Bulgaria. fax +359-52-230 581 (Bueschel/BCDX)

CHINA-TAIWAN The SW relay of the *BCC* Popular Network has not been audible for some time during the local Chinese morning period, 2100-2300. This service was previously audible at that time period on 11885 and 15125. However, the *BCC* News Network continues to be well heard on 11715, in period 2130-2200. 27/9 (Padula) Success! A new channel is 7420, signing-on at 2200, and audible here until fade-out around 2300. I cannot locate the second transmitter(if there is one!). (19-Oct/Padula/EDXP)

Central Broadcasting System, Taipei: English Language Lessons are carried every Friday UTC at 2230-2300 on 11970, professionally presented, and is orientated to Taiwanese events and culture, 27/9. (Padula/EDXP)

CIS Voice of Russia World Service changed its signature tunes as of 7th October... New one is a section of Mussorgsky's "Pictures At An Exhibition." (BBCM)

Tentative schedule of SW transmitter site GPR-2,
St. Petersburg Popovka:

5935 0100-0600
6035 1430-2300
6090 1700-2000
7120 1930-2200
7130 1400-2100
7140 1600-1900
7300 0000-0400
7335 0200-0700
7335 2030-2400
7340 1430-2000
7390 1630-2200
7425 1800-1830
9480 1600-2300
9715 0200-0600
9715 1530-2300
9820 0400-0800
9865 1600-2300
9890 1700-2300
9890 0000-0400
11785 0630-1400
12045 0730-1400
12065 1400-1600
13650 0630-0800
13650 1100-1500

GPR-4 Oktyabrskiy (Armavir-Krasnodar):

4945 1830-2130
5905 0300-0400
5915 0100-0200
5925 1530-2100
5940 1700-2200
5940 2230-0400
5965 1630-2400
6005 1530-2100
6185 0100-0400
7145 1230-1600
7255 1700-2100
7310 1530-2300
7325 0200-0500
7325 1500-2100
7360 1600-2300
7400 1600-2000
7400 2130-2400
9470 1400-2100
9725 1200-1600
9810 0000-0400
9875 1230-1500
11695 1300-1600
11720 0530-1200
15305 1100-1500
15490 1000-1200
15540 1000-1100
17580 0400-0800
17860 0800-1300

(12-Sep/Rudnev-RUS/BCDX/Bueschel)

The *Voice of Russia* company is obviously now responsible for the Russian-language "Golos Rossii" program. At 2100 UTC (6045 kHz) I heard "Golos Rossii" with the same IS as the foreign language

broadcasts. Today at 1200 UTC (15430 kHz) they again use the old IS, but announcing itself as "Radiostation Golos Rossii, Russian language service"; VGTRK was no longer mentioned. Most likely has "Golos Rossii" taken over from VGTRK to Voice of Russia, as it was planned already in 1995. It seems, we have an end of the confusion and now the one and only Voice of Russia foreign service from Russia. [VGTRK is the "All-Russian state radio and TV company" and is responsible for Radio Rossii (do not confuse it with "Golos Rossii", it are different programs) and RTR-TV.] (4-Oct/Ludwig-FRG/BCDX/Bueschel)

CRI Beijing via Russia now using 7175 kHz (ex 9880 kHz) at 2200-2255 UTC in English. (15-Sep/RWo via CJO/Benelux DX Hotline/BCDX/Bueschel)

VOM/Voice of Malta is now using 7390 and 7440 kHz at 1900-2100 UTC. Latter frequency is much stronger here, has very clean signal quality. (2-Oct/Bueschel/BCDX)

AWR Samara replaced 9895 by 7215 kHz at 1530 UTC. Also CRI in French is back on 7215 kHz at 2130-2227 UTC.

Vor Moscow Vietnamese sce freqs replaced by 15460 kHz 1200-1300 UTC, and from 1230 UTC on more powerful 9705 kHz.

ID jingle of "*Universelles Leben*" sect observed on 7380 & 7390 kHz at 2357 UTC.

R. Belarus Minsk replaced Kalodziscy 11960 kHz by usual winter freq of 7105 kHz, 250 kW, 252 degr. //7210 nondir, and Kiev-UKR relay 7180 and 9875 kHz. (29-Sep/ErbeFRG/Lieberwirth/BCDX/Bueschel) Using the following winter freqs: 6010, 7105, 7205, and 7210 kHz. (7-Oct/Belarus Telecom 'Beltele-radiocompany'/AMID/BCDX/Bueschel)

Krasnodarski Krai—Krasnodar region—on 6120 (x7325) kHz: *Adygey Radio*, Mons 1700-1800 in Adygean, Arabic, Turkish mixed. On Fris in Adygean only. *Kabardain radio*, Nalchik, 1730-1800 Wed, Thur, Sun in Kabardin (like Azeri or Turk language). "*Mayak*" progr at 0730-1500 UTC new 7310usb via Murmansk, 50 kW, 195 degr. "*Rossii*" progr 1600-2200 11575usb (x12175), and 5965 & 9850 till 2000. (18-Oct/PaniviewBUL/BCDX/Bueschel)

BBC WS via Tashkent is listed on 7430 (ex 9860) kHz at 1400-1500 UTC Hindi, 1500-1530 Nepali and 1630-1700 Bengali. (29-Sep/das Gupta/EDXP)

Seemingly, *Kazakh Radio* Almaty started new bc offensive in foreign languages towards EUR, at least on Mons-Fris via usual Kiev-UKR relay on both 7205 and 11705 kHz. Observed on Oct 3rd in English at 0930-1000 UTC with nx and feature progr, followed by German lang progr playing Kazakh folk mx. At 1030 UTC into Russian lang progr. Only direct frequ observed in /Almaty 9505 kHz. (3-Oct/Bueschel/BCDX)

Radio Tashkent Asian sce at 1200-1500 UTC, English at 1200 & 1330 UTC, now on winter freqs 5975, 7285, and 9715 kHz. Noted here on all three freqs, despite Warsaw in Russian is ahead on 7285 kHz till 1325 UTC. Announced also MW [local Taskent?, registered on 1062 kHz] 1060 kHz. (3-Oct/Bueschel-FRG/BCDX)

Mukto Prabaho or **IBRA Radio** is now noted via Tashkent transmitter site on new 7400 (ex 15470) kHz in Bengali at 1330-1400 UTC. They are announcing a new address in Calcutta: MUKTOPRABAHO, P.O. Box 9406, Calcutta-700 016, India. (6-Oct/das GuptaIND/EDXP/BCDX/Bueschel)

Radio Moldova International, all Mo-Fr only:

0230-0255	Spanish	9400
0300-0330	Romanian	7520
0330-0355	English	7520
0400-0425	Russian	7520
0430-0455	English	7520
1200-1225	Spanish	15315
1230-1300	Romanian	9400
1930-1955	Russian	7520
2000-2025	French	7520
2030-2055	Spanish	7520
2100-2125	French	7520
2130-2155	Spanish	7520
2200-2225	English	7520
2300-2325	English	7520

(Sennitt)

Voice of Vietnam using Tbilisskaya Krasnodar relay daily in English at 0100-0300 UTC on new 5940 kHz, progr is 30 mins in duration, and repeated at 0130, 0200, and 0230 UTC. Power 1000 kW, 315 degrees towards NoAm and WeEUR. AWR Samara replaced 9895 by 7215 kHz at 1530 UTC. Also CRI in French is back on 7215 kHz at 2130-2227 UTC. CRI in English via Moscow relay at 2200-2257 UTC on winter freq 7170 kHz. (6-Oct/RVI Radio World/BCDX/Bueschel)

"GOODBYE 7570!!! As of 15/10, I am no longer working with **Radio ABC**, and so the new management has decided to stop broadcasting on short wave. The final transmission (if there'll be one) is believed to be the one on Sunday 20/10 1996 at 0800-1200 on 7570 (it'll be a repeat of the previous week's program). I hope QSL's (which HAVE been printed) will be sent out to everyone—but please be patient! I am taking up a new job—due to be announced within a couple of days—which is VERY exciting and challenging for me, but unfortunately I can't reveal anything yet. Best of 73's. Stig Hartvig Nielsen". (19Oct/Rec.radio.shortwave/EDXP)

CLANDESTINE-AFRICA The pro-Hutu Burundian clandestine station **Radio Democracy** has been observed broadcasting on the shortwave frequency of 7040 kHz. The radio was first heard on this frequency at 0505 on 7th October broadcasting Kirundi songs in support of Leonard Nyangoma, leader of

the proHutu National Council for the Defence of Democracy (CNDD), and interviews with Burundians on the security situation. Radio Democracy was heard again on 7040 kHz on 8th September from 0430. Heard on 8th October with the following announcement: "You are listening to Radio Democracy, the voice of the people. It was founded by the CNDD, the National Council for the Defence of Democracy. It broadcasts from Burundi. This radio has assigned itself the duty of assisting the citizens in their war to restore peace and democracy. Radio Democracy supports whoever fights for peace, whoever is fighting the killers [words indistinct]. Radio Democracy has pledged to speak the truth [word indistinct] and without complacency." Radio Democracy is in fact thought to broadcast from Uvira in Zaire. (BBCM)

Radio Kudirat Nigeria now sked 1905-2010 in EE and vernaculars on usual 6205 kHz. (BBCM)

Voice of Sudan broadcasts on behalf of the National Democratic Alliance (NDA), an umbrella group opposed to the current Sudanese government. It identifies itself as "Voice of Sudan radio, voice of democracy and peace, NDA radio" (Arabic: idha'at sawt al-sudan, sawt aldimuqratiyah wa'l-salam, idha'at al-tajammu al-Watani al-dimuqrati). Sked: 0400-0600 Arabic 12008U 9025
1600-1800 Arabic 12008U 9025 8000
(BBCM)

Radio Democracy, an extremist pro-Hutu station, was heard again on 22nd October at 0410 gmt, broadcasting in Kirundi on 7040 kHz. This is the same frequency on which the station had been heard earlier in October [see above]. Radio Democracy describes itself as "the voice of the people" and says it was founded by the National Council for the Defense of Democracy, CNDD. It is believed to be operated by a group calling itself the Front for the Defense of Democracy (FDD, the armed wing of the CNDD). Although the station says it broadcasts from Burundi, it is in fact thought to broadcast from Uvira in Zaire. In the past, Burundian government officials have called on the international community to take action to silence it. Broadcasts are in French. (BBCM)

Voice of Sudan announces new time—1500-1700—for its evening transmission. Morning program 0400-0600 remains unchanged. (BBCM)

CLANDESTINE-ASIA VO SoAzerbaijan not heard in a week on 9927 kHz at 1530-1630 UTC. No luck with the new freq yet. (25-Sep/Goonetilleke-CLN/BCDX/Bueschel)

CLANDESTINE-LATIN AMERICA 6255 R. *Patria Libre* at 2200 (to Colombia) UTC. "Somos una emisora rebelde al servicio del pueblo colombiano", speaker said. Listeners' input were invited by radio for Fri 1830 UTC, on usb6666 kHz. Back to normal 6250 kHz next day. 6325 kHz at 2214 UTC (tune by) to

2223 UTC signing off, announcing "Somos Colombia, somos las FARC, Ejrcito del Pueblo" or similar. Very difficult copy due to CW on LSB. (23-Sep/Klemetz-COL/DLB/Cumbre/BCDX/Bueschel)

CLANDESTINE-MIDEAST Black "R. Baghdad" type radio station in Arabic observed at 2300-2400 UTC on v9563 and v9568 kHz. (4-Oct/BCDX/Bueschel)

Mother of Battles Radio (Arabic: idha'at umm al-ma'arik) is a service of official Iraqi radio. It was first heard in late January and early February 1991 during the Gulf War (which the Iraqis refer to as "the mother of battles"), after which time broadcasts appeared to be suspended following the disruption to Iraqi radio as a whole. Sked 1600-1900 in Arabic on 9750v. (BBCM)

Radio Message of Freedom, which broadcasts in support of the Islamic Party of Afghanistan, led by Golboddin Hekmatyar, was last heard on 24th September on 6221 kHz and had been heard regularly up to that time. (BBCM)

Radio Voice of Sharia, which made broadcasts hostile to the former government of Afghanistan and which gave publicity to the Islamic Movement and the Taleban, has not been heard recently on its variable 7 MHz shortwave frequency. (BBCM)

The opposition radio station which calls itself "*Republic of Iraq Radio, Voice of the Iraqi People*" carried the following schedule announcement in Arabic at 1300 on 8th October:

"We broadcast on the following frequencies: mediumwave at 1053 kHz, shortwave 31.38 metres, corresponding to 9560 kHz; shortwave 25.62 metres, corresponding to 1170 kHz [as heard; presumably 11710 kHz], shortwave 19.75 metres, corresponding to 15235 kHz; shortwave 31.35 metres, corresponding to 9570 kHz; shortwave 30.06 metres, corresponding to 9980 kHz; and shortwave 31.94, corresponding to 9380 kHz." During checks between 1500 and 1700 on 10th October, the radio was observed on 9285, 9562, 9568, 9852 and 11713 kHz. (BBCM)

Voice of the People of Kurdistan (Kurdish: "aira dangi gelli kurdistana", Arabic: "sawt sha'b kurdistan") was first observed on 23rd October 1988, but may have been in existence for some time before then. It supports the Patriotic Union of Kurdistan (PUK) led by Jalal Talabani. Sked:

0300-0500 Kurdish/Arabic 4020-4050v
1400-1600 Kurdish/Arabic 4020-4050v

(BBCM) "VO the People of Kurdistan" at 1430 UTC on 4105 & 6430(!) (x4030 & x6290) in Kurdish. (18-Oct/Paniview-BUL/BCDX/Bueschel)

CONGO RTV Congolaise, Brazzaville, observed back on 5985, 1952-2000 with long speech in French on social events, mixed with R. Tanzania, Dar-es-Salaam carrying Afro pops. (Gornati/EDXP)

COSTA RICA The new printed sched by Secretaria Technica y de Programmas of *Radio Exterior de Espana-REE* is valid from Oct 27th 96 til March 1st;97. Here are the transms of REE via relay st Cariari, all in Spanish lang:

0100-0400	3210 5970 5990	(Wed, Sat)
1100-1400	3210 9630 11815	(Mon-Fri)
1300-0100	11815	(Sat-Sun)
1400-0100	5970	(Sat-Sun)
1400-1800	11880	(Sat-Sun)
1800-2200	17870	
1800-2400	5970 11815	(Mon-Fri)
2200-0100	11880	(Sat-Sun)
2200-2400	11880	(Mon-Fri)

Fax to REE Cariari: +506-2252938 (voice phone +506-7677308 and +506-7677311). (11-Oct/REE/Martinez y Martinez-ESP/DX Magazine/WWDXC/JKB/BCDX/Bueschel)

New media segment on *R. for Peace International*. Thanks to the cooperation of RFPI, I will be providing CONTINENT OF MEDIA (COM) on a monthly basis. The continent is: North America, primarily domestic media developments. For a one-week cycle it will follow W.O.R. immediately for an additional 15 minutes. Oct edition will probably start on the 19th: Sat 0430, 1130, 1830, Sun 0230, 0930, 2330, Mon 0730, Tue 1930, Wed 0330, 1030; maybe not Fri 2030—on 15050-usb day, 7385 and 6205-usb night. Oct. topics include: Lament for CBC, John Peel interview, the area code with only one number, where to read more on HAARP, blaming sunspots for solar transit outages, can the full moon affect the ionosphere? Further editions are expected to occur around the middle of Nov, Dec (Glenn Hauser)

DENMARK Radio Denmark, thru March 29 1997:

0030-0055	5905 7275 7465
0130-0155	7465 7520
0230-0255	7125 7465 7520
0330-0355	7165 7235 7520
0430-0455	5965 7305 7520
0530-0555	5965 7520 9590
0630-0655	5965 7180 9590 11735
0730-0755	7180 9590 11720
0830-0855	9580 13800
0930-0955	13800 15220
1030-1055	15220 17840
1130-1155	7295 15270
1230-1255	9590 9910 11840 15605
1330-1355	9590 9910 11840 15605
1430-1455	11730 11840
1530-1555	9485 9520 9540
1630-1655	9590 9910 11840
1730-1755	7485 7520 9590 13800
1830-1855	5960 7485 9590
1930-1955	5960 7485 9590
2030-2055	7480 7520
2130-2155	7315 7465 7520
2230-2255	6145 9840
2330-2355	5905 7275 7465

The letterbox-program, "Tune In", is heard on the

last Saturday of the month, from 0938. In 1996 only a 15-minute ENGLISH program is broadcast on the 1st and 3rd Sunday of the month from 0938. (Koie-R. Denmark)

ECUADOR New HCJB frequency manager is David Lewis, transmitting engineer at Pifo transmitter site.

0000-0359	English	9745
0000-0500	English	21455
0030-0100	French	9415
0115-0130	Tadjik	5860
0130-0200	Uzbek	5860
0200-0430	Russian	5860
0430-0458	Japanese	9765
0430-0500	German	5860 9415
0500-0515	Ukrainian	5860
0500-0700	English	9445 9745 21455
0515-0700	Russian	5860
0530-0600	Czech	9765
0530-0600	Slovak	9765
0600-0630	German	9765
0630-0700	French	9765
0700-0730	Spanish	9765
0700-1100	English	9445 21455
0800-0930	Portuguese	6125
0830-1000	Portuguese	6110
0830-1400	Portuguese	3220 6080
0930-1000	German	6125
1030-0504	Spanish	6050
1030-1400	Spanish	9765 11960
1100-1600	English	21455 12005 12025
1130-1200	Japanese	9415
1400-0458	Spanish	15140
1500-1800	Portuguese	15295
1600-1900	Spanish	21455
1830-1900	Czech	12025 15550
1830-1900	Slovak	12025 15550
1900-1930	German	12025 15550
1900-2200	English	11960 21455
1930-2000	French	12025 15550
2000-2130	Arabic	12025 15550
2100-0300	Portuguese	3220 6080
2130-2228	Spanish	12025 15550
2130-2358	Portuguese	9745
2200-2300	Japanese	11615 21455
2230-2300	Russian	12005
2300-0230	Portuguese	11615
2300-2400	German	12005
2300-2400	Spanish	21455

A lot of time and frequency changes, morning Nordic program ceased. **HCJB also broadcasts 24 hours per day in upper sideband on 21455 kHz (1.5 kw) at 35/225 degrees in various languages. (direct)

EGYPT *Radio Cairo* sked:

0030-0430	Arabic	9900
0045-0200	Spanish	11715 9740 9475
0200-0330	English	9475
1015-1215	Arabic	17745
1100-1130	Arabic	17800

1115-1215	Thai	17770
1215-1315	Malay	17770
1215-1330	English	17595
1300-1330	Persian	15160
1300-1600	Arabic	15220
1320-1450	Indonesian	17770
1330-1430	Bengali	17595
1330-1530	Persian	11560
1500-1600	Hindi	17690
1500-1600	Pashto	17710
1530-1630	Afar	15155
1530-1630	Uzbek	9620
1530-1730	Swahili	11975
1600-1645	Zulu	11875
1600-1800	Albanian	9950
1600-1800	Turkish	6230
1600-1800	Urdu	17690
1630-1730	Somali	15155
1630-1830	English	15255
1645-1730	Shona	11875
1730-1815	Ndebele	11875
1730-1900	Amharic	15155
1800-1900	Italian	9990
1800-1900	Russian	6120
1800-2100	Hausa	15210
1830-1915	Lingala	15255
1830-1930	Wolof	15375
1900-2000	German	9900
1930-2030	Bambara	15375
1930-2030	Fulani	17840
2000-2115	French	9900
2000-2200	Arabic	11990
2030-2200	English	15375
2030-2230	French	15335
2100-2200	Yoruba	15210
2115-2245	English	9900
2215-2330	Portuguese	15420
2300-0030	English	9900
2345-0045	Arabic	17770 15220

(BBCM)

ETHIOPIA *Voice of Tigray Revolution*, 5500, OC 0320, IS 0327 to s/on 0332, man and women announcers. Very good signal, s9 to 10db/s9. Though well past sunrise, signal held up surprisingly well for the next hour, only dropping off to s6-7. Audio clip on our Web site. (14-Oct/Sundstrom)

FINLAND *Radio Finland* on 9275 noted at 1927, transmission in AM compatible USB (USB with carrier!), 34443 @30 stopped. Does anyone know what they are doing there or why it is there? Many times heard them there over the last 2-3 years. (22-Sep/Liangas-GRC)

FRANCE *RFT* Paris in German at 1700-1800 UTC [winter 1800-1900] now back on 3985 kHz, //6150 kHz. (29-Sep/Erbe & Ludwig-FRG/BCDX/Bueschel)

TWR-Monte Carlo, for W96, effective 27/10 . . . evening sign-off on SW will be 1845, following the Russian and Belarus programs on 7355 and 5890.

Morning services will open on SW at 0615 with Polish on 7385 and 5895. (Padula/EDXP)

RFI's 10th SW rotating aerial operational. The 10th SW rotating aerial, Amazone, installed by TDF [Telediffusion de France] for Radio France Internationale [RFI], came on stream on 29th Sept 1996. The 500-kW system will be 18 hours a day from the Issoudun site [in central France]. It replaces the 100-kW Issoudun C and Allouis transmitters. The resulting increase in the power of SW bcs will help improve the reception of RFI in the following zones: NoAF, 10 h of progs in French. Main SW freqs: 11845 kHz, from 0800-1300 UTC, and 6175 kHz from 1500-1900 UTC. Eastern Europe, seven hours of progr in French. Main SW freqs: 15195 kHz, from 1300-1500 UTC, and 9605 kHz from 1500-1900 UTC. EaAF and Indian Ocean, one hour of progr in French. Main freq: 15300 kHz, from 1800-1900 UTC. (13Oct/RFI/BBCM/AGDX/BCDX/Bueschel)

FRENCH POLYNESIA v15167 kHz, RFO-there has been speculation in recent months that this station is leaving SW. Now we have a complete report from Terry Palmershein, who recently visited Tahiti: The station will continue to use v15167 kHz until the transmitter "dies", it will not be fixed or replaced. They are no longer using v6135 or v11827 kHz [or v9751]. Although I was not able to meet with station personnel, I did manage to get pics of the RFO building in the gov. center, which is guarded and w/ barred windows. The transmitters are about 5 km North of Papeete next to a military site; but not really protected as such. Both transmitters (MW/738 & 15167.x) are on 24 hrs. near as I could tell; but the SW is really quite weak even near the site! If they're using 20 kW on SW, you couldn't convince me of that! (25Sep/Palmershein/Cumbre/BCDX/Bueschel)

GERMANY One German station seems to have gone off, *Radio Bremen* on SW 6190 kHz 50 kW was no more monitored for over a week now. Is this one permanently 'deceased' now? It always puts in an enormous sig here and it was always difficult to hear anything else co-channel. Now, I hear the BBC, which I guess is via a new 100 kW transmitter in RSA. R. Tashkent is also using this frequency, I think they change from 6195 to 6190 kHz at 1550 UTC with Uzbek, 1630 Persian, 1700 Arabic, and 1730 Uzbek again. BBC RSA becoming very strong some days, as early as from 1610 UTC. (9-Oct/Green-UK/BCDX/Bueschel) *Radio Bremen*, technical department, has confirmed, that the SW transmitter on 6190 kHz was definite shut down at Oct 1st. In the past, this transmission was primarily operated to serve the German Democratic Republic with the 2nd program from "Sender Freies Berlin". But "Sender Freies Berlin" has stopped transmission via Bremen in 1994, and Radio Bremen found it not necessary to continue the "bad quality SW sce". (Ludwig-FRG/BCDX/Bueschel)

But we should not forget, there are other SW outlets from domestic broadcasters in Germany:

- 6005 *Deutschlandradio* Berlin (100 kW Telefunken);
- 6030 *Sueddeutscher Rundfunk* Stuttgart (20 kW own construction);
- 6085 *Bayerischer Rundfunk* Munich (250 kW Telefunken);
- 7265 *Suedwestfunk* Baden-Baden (20 kW Radioindustry Zagreb [Siemens]);

Nice DX targets for listeners outside Europe, I feel. Credits to the committed engineers for saving the SW transmitters against economy measures! (18-Oct/Ludwig-FRG/BCDX/Bueschel)

Here is the *AWR* Europe schedule via German telekom Jülich: 5900 Bulgar 0400, Roman 0500, Hung 0600-0700. 6015 Roman 1900, Hung 2000-2030. 7110 Bulg 1700-1800. (7230 also Forli-I 0800 & 1100 Italian.) (Bueschel/BCDX)

GUAM KTWR Has introduced a new English program for North East Asia from 27-Oct. Sked is 1000-1200 on 9870, in addition to other English programs 0845-1000 11830; 0730-0915 15200 and 1500-1630 in 11580. (Francis/EDXP)

GUATEMALA Big open carrier Oct. 15 at 1055 on 4835 indicated *R. Tezulutlan* was about to sign on at 1100 instead of 1000 as in WRTH, perhaps due to no DST; and indeed it did, with repeated signature signal, announcements in Maya with numbers in Spanish, 4835, 60 metros y FM, amid annoyingly heavy reverb. A bit better when live announcer came on about 1105. Listened for half an hour but no English plugs for donations as I previously heard about 6 months ago after 1200, and recorded amid too much static, nor this time in 1200-1230 period unless during xmsn break at 1206-1210. At 1215 Spanish ID introducing another program, but it was not in Spanish; fading by 1230. Within a few Hz of 4835.0, not 4835.2 as in WRTH (Hauser)

HONDURAS Received an interesting e-mail message from a Santa Barbara studying in the US who had come across my website. He tells me that my old friend Antonio Hasbun, gerente-propietario of *La Voz del Junco*, 6075 passed away about three years ago when he was electrocuted while working in the transmitter plant. I meet Antonio on my second day in Santa Barbara when he stopped in his jeep to give me a ride while I was walking back into town. With Antonio gone, I doubt that LV Junco will come back to SW. The SW transmitter was just a hobby for him. It had no commercial value. (Moore/Cumbre DX) commercial value. (Moore/Cumbre DX)

ICELAND Rikisutvarpid Reykjavik registered time & freqs from Oct 27th [but two or three transmitters on air in parallel]:

1215-1315 11580 11710 13800 15070 15100
Su/Mo

- 1410-1445 11580 11710 13800 15070 15100
Su/Mo
- 1855-1930 3920 3940 5820 5840 7520 7540
9380 9500
- 1935-2010 11580 11680 13800 15070 15100
- 2300-2335 9380 9500 11580 11710 13800
- All in Icelandic language, and reduced carrier -6 dB. (18-Sep/PaniviewBUL/BCDX/Bueschel)[Note: these are just frequencies on which they're registered to transmit...obviously, they'll not be using more than two or three channels at a time-AQ]
- INDIA AIR** in Tibetan at 1215-1330 UTC replaced 9565 by 7410 kHz. (18-Sep/PaniviewBUL/BCDX/Bueschel)
- INDONESIA**
- 3204.4 **RRI Bandung** 1528 Javanese traditional mx. 1543 Local pops. 1559 RPK. 1600 Jakarta nx relay. 1605 ID by M "Inilah Radio Republik Indonesia Bandung". Poor. (11-Oct 11/Yamada-JPN/Jembatan DX) 3214.7 RRI Manado. 1326 Local pops. Fair. (28-Sep 28, Juichi Yamada, JAPAN)
- 3264.7 **RRI Gorontalo** pop music program and ID by woman at 1227. No sign of RRI Bengkulu. (25-Sep/Johnson/Cumbre DX) 3344.9 RRI Ternate 1253 talk by man who gave an ID. At 1255 there was easy listening music which lasted until 1259 SCI. At 1300 the station had RRI news//Ujung Pandang/4753. (26Sep/Johnson/Cumbre DX)
- 3395.1 **RRI Tanjungkarang** 1505 Jakarta nx relay. 1511 ID by W "Radio Republik Indonesia Tanjungkarang", then Indian style mx. Poor. Stn now signs off at 1605 (ex-1705) (11-Oct/Yamada-JPN/Jembatan DX)
- 3976.1 **RRI Pontianak** Sign on at 0953. Local pops. Poor. (10-Oct/YamadaJPN/Jembatan DX) 4000.0 RRI Padang. 1501 Lagu relayu & M tkl. Sign off at 1700. Not relayed Jakarta nx at 1500 & 1600, and not heard local nx at 1630. Fair. (10-Oct/Yamada-JPN/Jembatan DX) 4003.2 not noted recently. (Yamada)
- 4000.2 **RRI Kendari** 1201 Jakarta nx relay. 1210 Dangdut mx. 1229 IS. 1230 Local nx. 1235 ID by M "Radio Republik Indonesia Kendari" then local pops. Fair. (10-Oct/Yamada-JPN/Jembatan DX)
- 4766 **RRI Medan** (p) 1430-1442* IS of sorts on keyboard at BoH, tkl by M and W, with ment of Medan. Closing anmts by M, off suddenly at 1442. No sign of them since. (23Sep/Martin/Cumbre DX)
- 4777.1 **RRI Jakarta** now carries on past its listed 1700*. (Yamada-JPN/Jembatan DX)
- 4844.8 **RRI Ambon** 0923 Reading of Holy Koran. 0928 Islamic mx. 0936 Tkl by M. 0947 Instrumental mx. 0950 Local pops. 1000 Jakarta nx relay. 1008 ID by M "Kembali Radio Republik Indonesia Ambon, Programa Daerah", then tkl. Poor. (11-Oct/Yamada-JPN/Jembatan DX)
- 4874.5 **RRI Sorong** generic RRI ID at 1228 and then start of Kang Guru II English program at 1230, which lasted until about 1255. (25-Sep/Johnson/YamadaJPN/Jembatan DX)
- 4931.6 **RRI Surakarta** 1745 All night wayang kulit program. Very poor. (28Sep/Yamada-JPN/Jembatan DX)
- 5040.0 **RRI Pekanbaru** 1730 Extended program of all night wayang kulit. Fair to poor. (28-Sep/Yamada-JPN/Jembatan DX)
- 5987.5 **RRI Manado** (p) 0755 Tkl by M. Suddenly sign off at 0759. Poor. (11Oct/Yamada-JPN/Jembatan DX)
- 6069.8 **RRI Jayapura** 0748 Drama. 0800 Jakarta nx relay (Not heard RPK before nx). 0806 Tkl from RRI Jakarta. Poor. (10-Oct/Yamada-JPN/Jembatan DX)
- 6153.2 **RRI Biak** 0858 Reading of Holy Koran. 0904 Islamic mx. 0908 Local mx. Fair to poor. (5-Oct/Yamada-JPN/Jembatan DX)
- 6153.2 **RRI Biak** 0858 Reading of Holy Koran. 0904 Islamic mx. 0908 Local mx. Fair to poor. (5-Oct/Yamada-JPN/Jembatan DX)
- 7173.2 **RRI Serui** 0820 Telephone conversations relayed from RRI Jakarta Programa Ibukota Satu. 0858 Reading of Holy Koran. 0905 Local pops. Suddenly s/off at 0910. Poor. (6-Oct/Yamada-JPN/Jembatan DX)
- 7230.9 **RRI Fak Fak** 1153 Local pops. 1159 RPK. 1200 Jakarta nx relay. 1210 ID by M "Radio Republik Indonesia Fak Fak". Poor. (9-Oct/Yamada-JPN/Jembatan DX)
- 7234.4 **RRI Palu** 0830 Telephone conversations relayed from RRI Jakarta Programa Ibukota Satu. 0858 Local mx. Suddenly s/off at 0859. Poor. (6-Oct/YamadaJPN/Jembatan DX)
- 9552.1 **RRI Ujung Pandang** 0020 Dangdut & local pops. 0100 Drama. Poor. (10Oct/Yamada-JPN/Jembatan DX)
- 9705.0 **RRI Pontianak** 0605 Jakarta nx relay. 0615 ID by W " siaran Radio Republik Indonesia Pontianak", then "Butir Butir Pasir di Laut". 0630 Local pops. 0656 suddenly sign off. Poor. (10-Oct/Yamada-JPN/Jembatan DX)

I paid a visit to RRI Ujung Pandang. I spoke to the kepala stasiun Mr. Beni Koesbani and the head of the technical department Mr. Ashan Muhammad. Mr. Ashan Muhammad informed me that RRI is on shortwave now with 2 programs via 5x 250 kW transmitters from the location Bontosunggu (times and frequencies : see info from Gerhard Werdin).

The schedule of *RRI Ujung Pandang* is as follows:

0000-0800	9550 (7.5 kW)
2100-2400	4750 (20 kW)
0800-1600	4750 (20 kW)
0000-0800	2490 (2 kW)

4719 khz SW is standby with 50 kW in case the 20 kW 4750 khz transmitter breaks down. Reception reports can be send to :

Mr. Beni Koesbani, Kepala Stasiun and
Mr. Ashan Muhammad, Kepala Bidang Teknik
Departemen Penerangan RI
Stasiun RRI Nusantara IV
Jalan Riburane No. 3
Ujung Pandang 90111 (van Arnhem/DX Window/Yamada-JPN/Jembatan DX)

Sign off time of Indonesian stations in Sulawesi Island is as follows:

2490	<i>RRI Ujung Pandang</i>	-2100° Switches to 4753.4kHz at 2100.
3214.8	<i>RRI Manado</i>	-1410°
3264.6	<i>RRI Gorontalo</i>	-1300°
3960	<i>RRI Palu</i>	Not heard in Japan due to heavy QRM.
4000.2	<i>RRI Kendari</i>	-1550°
4753.4	<i>RRI Ujung Pandang</i>	-1610° Switches to 2490kHz at 1610.
5987.7	<i>RRI Manado</i>	-0800°
7234.4	<i>RRI Palu</i>	-0900°
9552.2	<i>RRI Ujung Pandang</i>	-0800° Switches to 4753.4kHz at 0800.

(Yamada-JPN/Jembatan DX)

Info on the inauguration of *RRI*'s new transmitters by David Foster... *RRI*'s nine new 250 kW transmitters were officially inaugurated on Sep 14. In a 1-1/2 hour live bcst of the opening ceremony near Ujung Pandang, beginning at 0245 UTC on RRI Jakarta Programa Nasional, it was anncd that five of the nine transmitters, all believed to be supplied by Marconi, are situated at Bonto Sunggu in Kabupaten Gowa, 19 km south of UP. The other four are located at Cimanggis (Jakarta). A sked was anncd, itemizing eight (not nine) freqs: Bonto Sunggu: 9565 kHz, (?) -1400 UTC to Maluku & Irian Jaya; 9630 kHz, 2100-1000 UTC to Sumatra, Jawa Barat & Kalimantan, both with Programa Nasional 1; 11750 kHz, 2000-2400 UTC to Sumatra, Jawa Barat & Kalimantan; and 11885 kHz, 0500-0900 UTC to Maluku & Irian Jaya, both with Programa Nasional 2. Cimanggis: 9680, 11790 (prob. 11785), 15125 & 15150 kHz, no sked anncd.

There are four new antenna arrays at Bonto Sunggu, six at Cimanggis. Info was also given on costs, the area of the sites, elec. generators, modulation systems, and that two channels are available on the Palapa satellite for the feed to Banta Sungu. This project was Marconi's third in Indonesia. Information Minister Harmaka opened the facility,

and the ceremony was also attended by a representative from Marconi UK and the First Secretary of the British Embassy. A fourth Marconi project will involve three new 250 kW FS transmitters, believed to be located at Cimanggis.

Notes to the above: (1) Programa Nasional 1 and 2 are new references. There has only been one Programa Nasional until now, although it was known to split into two networks at 0030-0200 and 0830-1000 UTC (not daily). [See October LN-AQ] (2) Scheduled times have actually been changeable, although it is interesting to note that 9630 kHz was anncd to close at 1000° and has actually done so over the past few weeks. (3) Perhaps the missing ninth freq represents a standby transmitter or one still to come on-line. (4) Possibly Marconi's previous two projects involved the establishment of the presently-inactive 250 kW transmitter site at Padang Cermin near Medan, and the current high power FS transmitter on 9525 kHz. (Foster/OZDX/Jembatan DX/BCDX/Bueschel) This seems only logical since at least the regional (nusantara) *RRI* stns have had a 2nd prgr for some time already. Concerning the different IS method, *RRI* Programa Nasional uses the Rayuan Pulau Kelapa (Song of the Coconut Islands) as an IS just before the nx on the hour. The VO Indonesia uses an instr version of RPK at the end of each language section. *RRI* PN usually plays the NA (Indonesia Raya) at the end of the nx, as does VOI at the end of each txmn block. There is also a 'Pancasila' song hrd sometimes (Pancasila being the state ideology). There's also a jingle 'Radio Republik Indonesia.' hrd occasionally. (Werdin/OZDX/Jembatan DX/BCDX/Bueschel)

IRAN *VOIRI* observed with French 0630-0730 on 11790, 15260, 15325 (-ex 15320). (RVI 13/10 via Cees van Oudheusden/EDXP)

VoIRI Tehran in Arabic 0330-0730 replaced 15350 by 15355 kHz. [Mixture of 15084/15315] Armenian at 1630-1657 new 9610 & new 5995 kHz. Unid language [Pushtu] at 1230-1325 UTC on 15345 kHz. *VoPIR* in Arabic: new times 1200-1300 new 11745 kHz. 1930-2030 new 6035, //7190, 9665 kHz. (18-Sep/Paniview-BUL/BCDX/Bueschel)

Today I received some magazines, info and a "thank you for writing" letter from *The Voice of the Islamic Republic of Iran*. I can't remember when I sent them a reception report, but that must be years ago. For your information: The station would like to call and talk directly. They'll even broadcast your conversation (only and only) upon request. They have decided to allocate a part of the program to phone conversations they have with their listeners. You can send your phone number to the postal address PO Box 19395-6767, Tehran-Iran or fax to (9821) 205 16 35. Please note that they must receive 2 reception reports before they send a QSL card. They advise to send two reports together to save time and postage expenses. By the way, on a

small card, included in the envelope they also give the address PO Box 19395-3333 Tehran, Iran, and fax 291095. (9-Oct/van Arnhem-HOL/BCDX/Bueschel)

IRAQ Republic of Iraq Radio sked:
0255-0015 Arabic 9715 7157 4615
0315-2130 Kurdish 6560
(BBCM)

Republic of Iraq Radio's Mother of Battles Radio service is currently observed from 1600 to 1900 on 9750, not announced 9745. In its opening announcements at 1600 on 19th September, the radio gave its target areas as follows:

"Brothers in Arabism, our transmission comes to you on the following channels: Mediumwave 432 metres corresponding to 693 kHz, beamed to our listeners in the Arabian Peninsula and the Arabian Gulf; mediumwave 217.8 metres corresponding to 1377 kHz, beamed to our listeners in Syria, Lebanon, Palestine, Jordan and Egypt; shortwave 31 metres corresponding to 9745 kHz, beamed to our listeners in the Arab Maghreb countries [see above]." (BBCM)

ISRAEL Tentative Kol Israel schedule for Winter 96-97:

0000-0655	Reshet Bet	7495
0400-0500	Reshet Bet	9435
0400-0610	Reshet Bet	9390
0400-0630	Arabic	9815
0400-2215	Arabic	5915
0500-0515	English	7465 9435 17545
0515-0530	French	7465 9435
0545-1000	Arabic	15480
0600-0630	Reshet Bet	9435
0700-1455	Reshet Bet	17545
0700-1655	Reshet Bet	15615
0800-1200	Reshet Bet	13750
1200-1300	Reshet Gimel	17575 17695 Thu
1300-2215	Arabic	15480 9815
1430-1455	Yemenite	15650 Tu
1500-1530	English	11605 9390
1500-1625	Persian	9435 7465 15640 (Fr & Sa 1500-1600)
1500-1700	Reshet Bet	11590
1530-1600	French	11605 9390
1600-1630	Russian	9435 7395/7465 Fr/Sa
1600-1700	Reshet Bet	11605
1600-2305	Reshet Bet	9390
1625-1635	Spanish	7465
1625-1655	Bukharian/Georgian	9435 7465 Su/Th
1630-1655	Reshet Gimel	9435 7395 Fr/Sa
1635-1645	Moghrabi	7465
1645-1700	Ladino	7465
1700-1730	Yiddish	7465 11605 9435 7395
1700-2400	Reshet Bet	7495
1725-1745	Romanian	11605 9435 7395
1745-1800	Hungarian	11606 9435 7395
1800-1830	Reshet Bet	7465
1800-1830	Yiddish	11605 9435 7395

1830-1955	Russian	7465 9435
2000-2025	English	5885 7465 9435 15640
2030-2050	French	5885 7465 9435 15640
2050-2100	Spanish	5885 7465 9435 15640

(12-Oct/Ogrizek/EDXP/BCDX/Bueschel)

ITALY Adventist World Radio [AWR] received a long-awaited license from the Italian Ministry of Post and Telecommunications on 19th September 1996. The licence gives AWR opportunity to build a major shortwave radio station near Argenta, Italy. The broadcast facility will provide coverage of the nations from Morocco in the west to the nations of Pakistan and India in the east. The new station will compliment AWR's short wave station on Guam, says Gordon Retzer, AWR president. More than 30 languages are scheduled to be broadcast from the Argenta station, including several languages new for AWR, such as Turkish, Kazakh and Uzbek. AWR already broadcasts in Arabic and Farsi. AWR has sought legal authorization for broadcasting from Italy since 1985 when it established a small shortwave facility near Forlì, Italy. "This long anticipated licence permits AWR to own and operate its own facility in Europe," said Retzer. "This has been an objective since AWR first started broadcasting from leased facilities in Portugal in 1971." Construction of the new facility will begin in 1997 and should be ready for broadcast in 1999. (DSWCI "DX Window"/BBCM)

Italian Private stations. This list was compiled by Dario Monferini, Italy, as provided for the WRTH97, and is acknowledged to "Play DX".

3925	0.5 kW	Radio Mariquita/Alpen Adria, Treviso 1800-2300v; (1)
6012v	5	Tele Radio Stereo, Roma, 24hrs;
6232v	0.5	Radio Speranza, Modena, 24 hrs irregular;
6252v	0.5	Radio Mistero, Torino, 0800-1000v;
6295v	0.5	Good Fun, Treviso, 1900-1000v;
7140	15	Radio Maria Network Europe, relay Spoleto, 24 hrs;
7303	0.5	Radio Europe, Pioltello (USB), 0800-1400v;
7475	0.5	Radio Strike, Palermo, 0800-1300v;
7500	1	Radio Internazionale Italia, Padova, 0800-1000v;

Addresses:

- (1) c/o G.A.M.T., PO Box 3, Succ. 10, I-31100 Treviso;
 - (2) Via Bitossi 18, I-00136 Roma;
 - (3) Largo San Giorgio 91, I-41100 Modena;
 - (4) c/o Promoradio, C.P. 873, I-34100 Trieste;
 - (5) c/o G.A.M.T., PO Box 3, Succ. 10, I-31100 Treviso;
 - (6) Via Turati 7, I-22036 Erba (LC);
 - (7) c/o Play-DX, Via Davanzati 8, I-20158 Milano;
 - (8) c/o Radio Scaglione, PO Box 119, Succ. 34, I-90144 Palermo;
 - (9) E-mail: word@cdc.it
- (Play-DX #904/EDXP)

**JAPAN NHK Radio Japan Gen Sce English sched-
ule for W96 season:**

0100-0200 11790 11840 11860K 13630 15475
15590 17685 17810
0300-0400 5960C 11790 11840 15230 17810
0500-0600 6110C 6150UK 11740 11910 11920K
17810
0700-0800 7230UK 11740K 11850 11910 11920K
15165G 15590 17810 17815A
0900-1000 7125 11815 11850
1100-1200 6120C 7125 11815
1400-1500 7125 7200 7225 9535 11705-C
1500-1600 7200 7225 9535 15355-G
1700-1800 6035 7200 7225 9535 11880-S 12005-
UK
1900-2000 6035K 6035 7140 7200 9535
2100-2200 6035K 9560 9825 11850
2300-2400 6180-UK 9560 9825 11850

A=Ascension Isl C=Sackville Canada F=Montsinery, Fr
Guiana G=Moyabi Gabon K=Kranji Singapore S=Ekala
Sri Lanka UK=Skelton and Woofferton, United King-
dom (20-Oct/NHK R. Japan "MediaRoundUp")

Sapporo 6005, DSB compatible mode, NHK ID
0908, //1815. Also heard on 3607.5 (Tokyo) in SSB-
USB. 600-5 quite solid, standby transmitter. (6-Oct/
Vitek/EDXP)

From 27 October, *Radio Japan* replaced 11725
and 21610 with 11910 and 15590 kHz for the 0700
program. At that same time, they also renamed the
station *Radio Japan NHK World Network, Tokyo.*
(BBCM) [Somehow now quite as catchy as "Radio Jan-
pan."-AQ]

JORDAN Radio Jordan sked:

0000-0300 Arabic 11935
0400-0600 Arabic 11810 9630
0600-0815 Arabic 15290 11835 11810 9630
0815-1100 Arabic 15455 15290 11835
1100-1300 Arabic 15355 11810-(fm 1030)
1200-1300 English 11970
1300-1600 Arabic 11810
1500-1730 English 11970
1600-1900 Arabic 6105
1900-2100 Arabic 11740 6105
2200-2400 Arabic 15435 6105

Internet website: [http://iconnect.com/jordan/
radio.html](http://iconnect.com/jordan/radio.html) (BBCM)(10-Oct/SchaayHOL/BCDX/
Bueschel)

KIRIBATI v9824.95 kHz, *Radio Kiribati*, 0826-
0858 UTC, F & M annrs talks in Kiribate-se, with
very nice Pacific islands mx, hrd ID as "Kiribati" at
0830 UTC. (21-Sep/BarreraARG/Cumbre/BCDX/Bue-
schel)

LEBANON According to a Lebanese newspaper ac-
count, there are moves afoot to license *Voice of
Lebanon*. (BBCM)

LIBERIA Radio Liberia, which identifies as Radio
Liberia shortwave service, or Radio Liberia world
service, is believed to broadcast in support of
Charles Taylor's National Patriotic Front of Liberia
(NPFL). Programs are in English. Address: c/o Kiss
FM 89.9, PO Box 1103, Monrovia, Liberia. Tel +231-
229663 Fax: +231-226003

0500-0800 5100
0800-1800 6100
1800-0200 5100
(BBCM)

LIBYA Hearing an Arab on 9700 kHz s/on at 1700
UTC; 1715 UTC pips and chimes and Qu'ran chants.
Noted 24th, located //15435 kHz. I feel it's Libya.
(25-Sep/GoonetillekeCLN/BCDX/Bueschel)

MADAGASCAR RTV Malagasy noted this evening
in vernaculars around 1550 UTC into French at 1600
UTC on new v4960.9 kHz. [also observed in Germany
by Matthias Gatzke around 1730 UTC] (6Oct/Weera-
koon & Goonetilleke-SRI/UADX/BCDX/Bueschel)

MALAYSIA No signals for many days upon check-
ing 3385 kHz from *RM Miri*. So instead RRI Kupang
coming thru ok on v3384.9 kHz around 1300 UTC
past 1500 UTC. (11-Oct/GoonetillekeSRI/UADX/
BCDX/Bueschel)

MALI CRI Beijing via Bamako relay 0000-0500 UTC:
v9709.9 and v11694.9 kHz, 0000 UTC English, 0100
Cant, 0200 Chinese, 0300 English, 0400-0457 Chi-
nese. (11Oct/Bueschel/BCDX)

MALTA VOM (formerly Voice of the Mediterranean)
is a non-commercial external radio broadcaster.
VOM's services to Europe are funded by the govern-
ments of Malta and Libya, but transmissions to oth-
er areas, which identify on the air as "Radio Melita",
are financed by the Maltese government.

Voice of the Mediterranean began broadcasting
on 1st September 1988. It broadcast via the Deut-
sche Welle relay station on Malta until the closure
of those facilities in January 1996. After a period of
inactivity VOM resumed broadcasting in June 1996
using transmitters in Russia. Address: VOM, PO Box
143, Valletta CMR 01, Malta Tel: +356248080/
240421/220950 Fax: +356-241501

0130-0230 English 17570 15550 Su
0230-0330 Maltese 17570 15550 Su
1900-2000 Arabic 7440 7390 Fr
1900-2000 English 7440 7390 Sa-Th
2000-2030 French 7440 7390 Su
2000-2100 Arabic 7440 7390 Mo-Sa
2030-2100 German 7440 7390 Su

(BBCM)[For consistency's sake, this should be listed
under CIS, but I forgot to do so and that page is done
already!-AQ]

NETHERLANDS *Radio Nederland* English schedule from Oct 27th:

0030-0125 6020B 6165B 5905D 7305A
 0130-0225 5905D 7305A 9860M 11655M
 0230-0325 9860M 11655M
 0430-0525 5995B 6165B
 0730-0825 9830B 11895B
 0830-0925 5965B 9830B 13770F
 0930-1130 5965B 7260P 9810I 9830B
 1130-1325 6045J 7190N
 1330-1525 9895M 13700F 15585M
 1530-1625 9895M 12090M
 1730-2025 6020M 9605M 11655R
 1830-2025 15315B 17605B (not announced?:
 7300F)
 2030-2126 4945K 7300F 9860M 11655B
 2330-0025 6020B 6165B

A=Almaty-KAZ, B=Bonaire-ATN, D=Dushanbe-TJK,
 F=Flevoland-HOL, I=Irkutsk-RUS, J=Jülich-D,
 K=Krasnodar-RUS, L=Luxembourg-LUX, M=Madagas-
 car-MDG, N=Nauen-D, P=Petrovavlovsk Kamchatskiy-
 RUS, R=Meyerton-RSA. (10-Oct/RNMN)

NORTHERN MARIANAS ISLANDS *KHBI* Saipan sked:

0000-0100 13840 13840
 0100-0200 13625
 0800-0900 15665
 0900-1000 9430 13840
 1000-1100 13840 9430
 1100-1200 9355 9430
 1200-1300 9355 9430
 1300-1400 9355 13840
 1400-1500 9355 9355
 1500-1600 9355 9455
 1600-1700 11550 9385
 1700-1800 11550 9385
 1800-1900 11550 9385
 1900-2000 11550 9385
 2000-2100 13840
 2100-2200 13840
 2200-2300 13840 13825
 2300-2400 13625 13825

(direct)

NORWAY The Fredrikstad transmitter will go off the air for good at the end of 1996. (29-Sep/Koie-R, Denmark/BCDX/Bueschel)

PAKISTAN *Radio Pakistan* is playing havoc with its morning Hindi sce at 0030-0130 UTC on 7352v, 7375, 7348v kHz, but mostly they are on 7352 Karachi//9516 Islamabad. (30-Sep/das Gupta/EDXP/BCDX/Bueschel)

Radio Pakistan changes from Sept 1st: E 1600-1630 new v7349.8 9485 new9903 11570 new11955. (18-Sep/Paniview-BUL/BCDX/Bueschel) Tamil 1030-1130 now via Islamabad 15565, and Karachi 13665. (9-Oct/Green-UK/BCDX/Bueschel)

Home Service sked:

0045-0435 HS 4790
 0100-0105 Urdu 7230
 0200-0215 Urdu 7230
 0230-0245 Slow EE Nx 9640
 0300-0310 English nx 9640
 0317-0324 Sindhi nx 9460
 0330-0430 Balti 7350
 0400-0404 Urdu nx 9645
 0445-0545 Sheena 7350
 0500-0504 English nx 9645
 0600-0604 Urdu nx 9645
 0600-0800 Rawalpindi 7110
 0608-0612 Sindhi nx 9645
 0612-0616 Pushto 9645
 0700-0800 Burmese 9645
 0800-1115 Islamabad 7110
 0800-1215 Rawalpindi-III 7265 (Fri from *0930)
 0900-1000 Indonesian 9645
 1230-1300 Kashmiri 9645
 1230-1330 HS 4790
 1300-1304 Urdu nx 9645
 1300-1600 HS 6070
 1311-1318 Sindhi nx 9645
 1345-1815 HS 4790
 1400-1410 English nx 9645
 1410-1420 Balti 7290
 1420-1430 Sheena 7290
 1500-1530 Urdu nx/cmtly 9645
 1600-1630 English nx 7230
 1700-1800 Turkish 7230

(9-Oct/Green-UK/BCDX/Bueschel)

PALAU "High Adventist Ministry", *Voice Of Hope* on 9965 kHz observed starting at 0700 UTC, till 1900 UTC. English Sat/Sun 0730-1030 UTC. Others a variety of Asian languages, Chinese, Vietn, Indon, Korean, Jap, Urdu, Pilipino. (22-Sep/NHK-R. Japan Media RoundUp/BCDX/Bueschel)

On at least two recent Media Roundups, Radio Japan has identified *KHBN* as an "Adventist" or "AWR" station, and several DX editors have published this info without question. It is totally wrong. *KHBN* has nothing to do with AWR and is not Adventist. The confusion arises from *KHBN* using the slogan "Voice of Hope," also the name of an AWR program; and from confusing "High Adventure" with "Adventist". The same goes for related stations in Lebanon, and KVOH Los Angeles (Hauser)

PAPUA NEW GUINEA *R. Rabaul* on 3385 kHz good signals from tune in 1931 UTC. Someone said the morning sce was off, if so they have returned with the morning sce. Alerted by Christoph Ratzer Sept 28th at the same time Port Moresby blasting in 4890 kHz. (11-Oct/GoonetillekeSRI/UADX/BCDX/Bueschel)

PERU

- 4000.49 *R. San Juan*, *1006-1019, **FINALLY** canned *R. San Juan* s/on ID by excitedsounding M. 1007-1016 LA Pop mx. 1016 canned pgm intro by W, then into usual daily morning rel. pgm w/M host. Very happy to finally get an ID on this. Low modulation is always the problem. Is this morning rel. pgm called LV de Amistad?? (1-Oct/Valko/FT Updater)
- 4419 *Radio Bambamarca* 0259 SS, Andean mx, fair signal with lots of UTE QRM, many ID's between songs, "Radio Bambamarca, frecuencia lider." (2-Oct/Mohrmann/Cumbre DX)
- 5385.3nfR. *Huarmarca* (Huarmaca, Huancabamba, Piura) 0230-0302 44444, Huayno mx, ID as "Ya son las 9 y 50 de la noche en radio Huarmaca" y estamos de este modo llegando a la parte final de nuestra programacion.. ID as "De esta forma nos despedimos hasta el dia de manana siempre por radio Huarmaca"... NOTE: I reported this station on Aug. 8 in 5485.5. (25Sep/Arrunategui/Cumbre DX)
- 5619.2 *R. Ilucan*, Cajamarca 0137-0110 44444 mx W ID as "Versiones musicales a travs de su radio Ilucan.." Tks Krueger, FL (NU 1390); I checked 5616.4 and there wasn't any other station. It's R. Ilucan that can be heard well between 5620.5 to 5620.9 and very distorted from 5616.2 to 5623.9, on Sep 22 they were on 5620.9 at 2116-2138. (21-Sep/Arrunategui/Cumbre DX)

PHILIPPINES Winter sked for *Radio Veritas Asia* Manila effective Oct 27th to March 1st, 1997:

0000-0025	Karen	9535
0000-0025	Sinhala	9670
0030-0055	Kachin	9535
0030-0055	Tamil	9670
0100-0125	Bengali	15335
0100-0125	Telugu	15530
0130-0155	Hindi	15335
0130-0225	Vietnamese	15530
0200-0225	Urdu	15335
1000-1025	Hmong	9555
1000-1055	Mandarin	9520
1030-1125	Russian	15130
1100-1125	Vietnamese	11850
1130-1155	Burmese	9670
1130-1155	Mandarin	9660
1200-1225	Indonesian	9505
1200-1225	Karen	9670
1230-1255	Kachin	9670
1230-1255	Pilipino	9505
1300-1325	Vietnamese	7265 11770
1330-1355	Sinhala	9660
1400-1425	Tamil	9520
1400-1435	Bengali	9555
1430-1455	Telugu	9520

1430-1525	Mandarin	6020
1500-1525	Pilipino	11715 (-1555* We/Fr/Su)
1530-1555	Urdu	9670
1530-1555	Zomi-Chin	9555 Mo/Sa
2100-2255	Mandarin	6190
2130-2225	Russian	9560
2230-2255	Mandarin	7105
2300-2325	Indonesian	11820 9505
2330-1355	Hindi	9555
2330-2355	Burmese	7210
2330-2355	Vietnamese	9615

(7-Oct/Padula-AUS/EDXP/BCDX/Bueschel)

RVA-Radio Veritas Asia, Manila W96 schedule until 01 March 1997:

0000-0025	Karen	9535
0000-0025	Sinhala	9670
0030-0055	Kachin	9535
0030-0055	Tamil	9670
0100-0125	Bengali	15335
0100-0125	Telugu	15530
0130-0155	Hindi	15335
0130-0225	Vietnamese	15530
0200-0225	Urdu	15335
1000-1025	Hmong	9555
1000-1055	Mandarin	9520
1030-1125	Russian	15130
1100-1125	Vietnamese	11850
1130-1155	Burmese	9670
1130-1155	Mandarin	9660
1200-1225	Indonesian	9505
1200-1225	Karen	9670
1230-1255	Kachin	9670
1230-1255	Pilipino	9505
1300-1325	Vietnamese	11770
1300-1325	Vietnamese	7265
1330-1355	Hindi	9555
1330-1355	Sinhala	9660
1400-1425	Bengali	9555
1400-1425	Tamil	9520
1430-1455	Telugu	9520
1430-1525	Mandarin	6020
1500-1525	Pilipino	11715
1525-1555	Pilipino	11715
1530-1555	Urdu	9670
1530-1555	Zomi-Chin	9555
2100-2255	Mandarin	6190
2130-2225	Russian	9560
2230-2255	Mandarin	7105
2300-2325	Indonesian	11820
2300-2325	Indonesian	9505
2330-2355	Burmese	7210
2330-2355	Vietnamese	9615

(13-Oct/Das Gupta/DXW/BCDX/Bueschel)

Here is the background on the station carrying *DZRM* progr, observed recently on 9616.6v kHz in period 1150-1235+ UTC. Their nominal freq is 9615 kHz and they are using 10 kW of power from a transmitter in Metro-Manila near the border with Bulacan province. The schedule is 2200-1400 UTC and the sce is for people in outlying provinces that can-

not pick up Manila on AM. This per Radyo Pilipinas station personnel. (17Oct/Johnson/Cumbre/BCDX/Bueschel)

POLAND *Polish Radio* Warsaw sked:

1100-1129	Czech	5995 7285
1130-1159	Polish	5995 7285
1200-1225	Polish	7270 7285
1200-1225	Russian	6095 7145 9525
1230-1255	Belorussian	5995 7285
1230-1255	German	6095 7145 9525
1300-1355	English	6095 7145 7270 9525 11815
1400-1425	Lithuanian	6095 7145
1400-1425	Russian	7270 7285 9525
1430-1455	Belorussian	6095 7270
1430-1455	Esperanto	6000 7145 7285 9525
1500-1525	Belorussian	6095 7270
1500-1525	German	6000 7145 9525
1500-1525	German	9540 Mo-Sa
1500-1525	Ukrainian	6000 7205 Su
1530-1555	Russian	6095 7270 7145
1530-1555	Ukrainian	5995 6035 7285
1600-1625	German	6000 7145 7270 9525
1600-1625	Lithuanian	6035 7180
1630-1655	Belorussian	6095 7270
1630-1725	Polish	6000 9670 7145 7285
1700-1725	Czech	7215 6095
1730-1755	German	6000 6035 6095 7270 7285 9525
1800-1825	Ukrainian	5915 7180
1800-1855	English	6000 6095 7270 7285
1900-1925	Russian	6000 7270 7285
1900-1929	Esperanto	6035
1930-1955	Ukrainian	6000 6035 7270
2000-2029	Russian	6000 6095 7270
2030-2125	English	6035 6095 7285
2130-2155	Esperanto	6035 6095 7270
2200-2255	Polish	6035 6095

(11-Oct/Schaay-HOL/BCDX/Bueschel)

PORTUGAL Obviously, *Radio Renascenca* has already left SW. They haven't been observed with it's previously unmistakable outlet for Europe on 9680. (14-Oct/Gatzke/Ludwig/EDXP)

SAUDI ARABIA Broadcasting Service of the Kingdom of Saudi Arabia

0255-0600	Arabic-1	10990U
0300-0600	Arabic-HK	17895 11820 9718.3 9618.2 9553.6 7150
0300-1700	Arabic-2	10990L 9580
0400-0500	Somali	15335
0400-0600	Turkish	15060
0500-0600	Swahili	17760
0600-0900	Arabic-1	11820 11710 10990U 9720
0600-0900	Arabic-HK	21530 17880 11785 9530
0900-1200	Arabic-1	15060 11820v 10990U
0900-1200	Arabic-HK	21529.1 17880 11785 9715
1000-1200	Indonesian	21670
1200-1400	Urdu	15345

1200-1500	Arabic-1	15380 15230 15060 10990U
1200-1600	Arabic-HK	15280v 15165
1400-1500	Bengali	15345
1400-1600	Persian	11825
1500-1600	Turkmen	9730
1500-1700	Arabic-COI	11965 11950 11780 10990U
1500-1800	Arabic-1	11965 11950 11780 10990U
1600-1700	Bambara	17775
1600-1800	Arabic-HK	11835 11710 9730
1700-2100	Arabic-2	10990L 6020
1800-2100	Arabic-HK	11935 9705
1800-2300	Arabic-1	11935 10990U 9870 9555

-1=First Program-2=Second Program-COI=Call Of Islam-HK=Holy Koran (BBCM) Tent BSKSA Riyadh Arabic HQ progr at 0300-0600 UTC on both odd 9553 and 9718 kHz. (22Sep/Bueschel/BCDX)

SEYCHELLES *FEBA* Radio Schedule of Languages. 1 Sept 1996 to 1 March 1997:

0111-0156	Tamil	6140
0158-0228	Telegu	7350
0215-0230	Sindhi	9785 We-Mo
0215-0230	Urdu	9805 Sa-Th
0215-0245	Urdu	9805 Fr
0230-0245	Baluchi	9785 Fr/Sa
0230-0245	Hindko	9785 Mo
0230-0245	Punjab	9805 Sa-We
0230-0245	Pushto	11695
0230-0245	Sir	9785 Tu-Th
0245-0300	Dari	11695
0300-0330	Farsi	11695
0315-0400	Swahili	9820 Su-Fr
0315-0415	Swahili	9820 Sa
0345-0415	Arabic	11695 We/Fr/Sa
0345-0430	Arabic	11695 Su/Mo/Tu/Th
0400-0415	Portuguese	9420 Th
0400-0430	Portuguese	9420 Fr-We
0430-0500	Dari	15555 Fr
0500-0531	Farsi	15555 Fr
0500-0558	Tagalog	15555 Su
0531-0603	Sinhala	15555 Fr
0915-0930	French	15430
0930-0945	Malagasy	15430 Sa/Su
1000-1058	Tagalog	15540 Fr
1100-1130	Arabic	15540
1130-1200	Afar	15540
1145-1200	Tibetan	15445 Mo-Fr
1145-1200	Tsangla	15445 Sa
1200-1205	Creole	11675
1200-1230	Tibetan	15445
1205-1220	French	11675
1230-1245	Nepali	15445
1245-1300	Mundari	15445 Fr-We
1245-1300	Nagpuria	15445 Th
1256-1326	Malayalam	11670
1300-1315	Bhili	15445 Fr-Sa
1300-1315	Kui	15445 Su/Tu
1300-1315	Oriya	15445 Mo/We/Th

1300-1330	Tamil	9810
1315-1330	Bhojpuri	15445
1328-1343	Gujarati	11670
1330-1345	Chattisgarhi	15445
1330-1400	Sinhala	9810
1343-1358	Punjabi	11670
1345-1400	Hindi	15445
1358-1413	Urdu	11670
1400-1443	Urdu	9810 Mo-Sa
1400-1458	Urdu	9810 Su
1415-1430	Bangla	7270 Fr
1415-1445	Bangla	7270 Sa-Th
1415-1458	Hindi	11670
1443-1458	Hindko	9810 Fr-Sa
1500-1515	Badaga	7270 Su/Mo
1500-1515	English	11870 We/Th
1500-1515	Konkani	7270 Tu-We
1500-1515	Tulu	7270 Th/Fr
1500-1530	English	11870 Mo/TuFrSa
1500-1530	Kannada	7270 Sa
1500-1545	English	11870 Su
1500-1600	English	9810 Mo-Sa
1515-1530	Kannada	7270 Su-Fr
1532-1547	Yao	9795
1600-1630	Amharic	9865 Fr/Sa/Su
1600-1630	Guraginya	9865 Mo
1605-1620	Dari	7345
1613-1658	Swahili	9810
1628-1658	Malagasy	6140
1630-1700	Amharic	9865
1700-1730	Somali	11745
1700-1730	Somali	9810
1702-1747	Arabic	9440
1802-1832	Farsi	9455
1832-1847	Azeri	9455 Fr-Mo
1833-1848	French	9500 We
1833-1903	French	9500 Th-Tu

(direct)

SINGAPORE *NHK Radio Japan* bc in Bengali at 1130 UTC, Hindi at 1200, and Urdu at 1230 is now coming from BBC Singapore relay station on 17790 kHz. (29-Sep/das Gupta/EDXP/BCDX/Bueschel) station on 17790 kHz. (29-Sep/das Gupta/EDXP/BCDX/Bueschel)

SLOVAKIA Schedule of *Radio Slovakia Int.* W96, thru March 30, '97:

0100-0130	English	5930 7300 9440
0130-0200	Slovak	5930 7300 9440
0200-0230	French	5930 7300 9440
0800-0830	German	6055 7300
0830-0900	English	11990 17550 21705
0900-0930	Slovak	11990 17550 21705
1400-1430	Russian	9440 11990 13715
1430-1500	German	6055 7345 9505
1600-1700	Slovak	6055 7345 9540
1700-1730	French	5915 6055 7345
1730-1800	English	5915 6055 7345
1800-1830	Slovak	6055 7345 9515
1830-1900	Russian	5915 7150 9485

1900-1930	German	5915 6055 7345
1930-2000	English	5915 6055 7345
2000-2030	Slovak	5915 6055 7345
2030-2100	French	5915 6055 7345

(Kubiak-FRG/WWDXC/BCDX)

SOMALIA I can confirm Valko's *VO the People* in Somalia on 969 kHz. This is what I have observed. Its not a full AM signal. There is no audio on the LSB side but only on USB. On AM mode still the station is very readable. So its like a double SB transmitter but only modulating the USB! This must be a modified transmitter. USB audio and a carrier being transmitted, so that normal broadcast receivers can hear the signal. (19-Oct/Goonetilleke-SRI/UADX/BCDX/Bueschel)

SOUTH AFRICA *Channel Africa* has been saved from closing down. The government has given a firm commitment to pay the cost of running the station until March next year. (BBCM)

Channel Africa W96 schedule till March 30th,

'97:

0300-0355	Swahili	6000
0300-0355	French	7185
0300-0355	English	3220 5955
0330-0425	Chinyanja	3955
0400-0455	English	5955 9585
0400-0455	French	9525
0400-0455	Portuguese	3345 7185
0500-0555	Portuguese	7185
0500-0555	English	5955 11900
0900-0955	Tsonga	5955
1500-1655	Swahili	11900
1500-1755	English	6100 11825
1600-1655	English	15240
1600-1655	Lozi	5955
1600-1755	Chinyanja	6120
1900-1955	Portuguese	3345
2000-2055	Portuguese	7225

Radio Sonder Grense (Afrikaans domestic service)

0300-0430	3320
0435-0655	6000
0700-1655	7185
1700-2300	3320

Radio Oranje (English & Afrikaans domestic service)

0000-0435	3230
0440-0650	5965
0655-1650	7270
1530-2400	3230

Radio 2000 (English & Afrikaans domestic service)

2300-0300	3320
-----------	------

(18-Oct/Paniview-BUL/BCDX/Bueschel)

Radio Oranje, 3230.1, with non-stop pop music t/in 0215, ID in English 0230, and continuing with

non-stop music. **Monster signal s9.** Very clear, definitely not on 3230 though. (14-Oct/Sundstrom)

This season **Radio Netherlands** uses **Meyerton** for the 1727-2026 English segment on 11655 kHz. (2-Oct/Miller-CAN/BCDX/Bueschel)

SRI LANKA DW Trincomalee relay in English at 2100-2150 UTC on 9670 kHz well heard in Europe. (10Oct/Bueschel/BCDX)

On 6035 kHz **SLBC** the former TWR transmitter (12.5kW) is currently used by SLBC 1230-1330 UTC to bc the Tamil Sca beamed towards the strife-torn north & east of the island. 1230-1330 UTC can be considered as the peak hour for listening up in the north. 6035 kHz is used in addition to 5020 kHz from Ekala. SLBC largely depends on SW to reach the Tamil populace in the north & east after Tamil separatist guerrillas attacked the MW tx station in Jaffna in northern peninsula, a few years ago. 6035 is no longer used by the Sri Lankan govt as a black clandestine. (4-Oct/Weerakoon/UADX/Cumbre/BCDX/Bueschel)

SWEDEN Radio Sweden in English:

0030-0100	6065
0130-0200	7265(or 7290)
0230-0300	6200
0330-0400	7115
1230-1300	11650(or 13740) 15240
1330-1400	15240(or 13740) 7155
1430-1500	9435(or 9485 or 11650) 15240
1930-2000	6065 7240 9655
2030-2100	6065
2130-2200	6065 7230 Sa/Su
2230-2300	6065 7325

(Bueschel/BCDX)

SWITZERLAND Swiss Radio International in English:

0100-0130	6135 9885 9905
0400-0430	6135 9885 9905
0615-0630	5840 6165
0715-0730	5840 6165
0900-0930	9885 12075 13685
1100-1130	6165 9535 9885 12075 13635
1300-1330	7230 7480 12075 13635
1300-1400	6165 9535
1500-1530	9885 12075 13635
1700-1730	5850 7410 9885 9905
2000-2030	6165 9885 9905 11640 13635

(Volk-FRG)

SYRIA Radio Damascus is heard in Russian at 1700-1800 UTC on a new frequency of v9950.2 kHz. (9-Oct/Pashkevich-RUS/BCDX/Bueschel). Damascus appears to have dropped 13610 kHz, and not returned to 15095 kHz. At 0800 UTC heard on 9950, //12085 kHz. No other // yet located in daytime. [Nick reported Damascus in Russian also on new 9950 kHz at 1700 UTC. Heard single 9950 today fr

0430-0550 in Arabic, fr 0600 back to 12085 kHz, no //]. (13-Oct/Green-UK/BCDX/Bueschel)

TAJIKISTAN The Foreign Service broadcasts from **Radio Tajikistan** now in several languages on 4975. Transmissions start at 0100, further slots are from 0200 and 0300. Current Afghanistan affairs are given extensive coverage, so these may have caused confusion with Radio Kabul. (14Oct/Gatzke/Ludwig-FRG). Furthermore, Radio Kabul programs in the past have been relayed over transmitters at the Yangi-Yul site in Tadjikistan, also on 4975. Today the five 100 kW transmitters operate alongside Radio Tadjikistan, as well as Voice of Russia and relays of Radio Netherlands programs. (18-Oct/Ludwig/EDXP)

TONGA The **Tonga BC Commission** wants to return to SW and is making plans to do so. This station, which left the air in 1993, hopes to return to the air early in 1997, according to station personnel. They hope to obtain a new transmitter from UNESCO, which was apparently the source of their last one. No word yet on their schedule, but Dave Valko informs me that they used to use 5030 kHz and were heard on the East Coast of the US from 1020 to 1100 UTC. Dave says their old transmitter had a rated power of 1 kW, but their actual power was probably less. So if they come back with 10 kW, they might be a lot easy to hear. (50Oct/Johnson/Cumbre/BCDX/Bueschel)

TURKEY Voice of Turkey. Ankara, W96 plans to use SSB as follows:

0800-1000	Turkish	13670
1400-1600	Turkish	13670
1830-1930	German	5935
1930-2030	English	5970
2030-2130	French	7150
2300-2400	English	6135

All on USB, excepting 5970 (LSB), and all from the Emirler transmitting site. (Padula/BCDX/Klink-FRG/EDXP)

UNITED KINGDOM The **BBC World Service** replacement for 15070 kHz which is beamed via three transmitters in souhtly, south-eastly, and easterly directions will be 15485 kHz to the south, and 15575 kHz to the east and south-east. (ABC DX Report/Communication/BCDX/Bueschel)

The UK Foreign Office announced that the restructuring of **BBC World Service**, plans for which have been so widely criticized both inside and outside the BBC, is to go ahead subject to a list of 20 "safeguards". Former World Service Head John Tusa, interviewed on BBC Radio 4, said these "safeguards" are meaningless and suggested that the best way forward is to "tear up" the proposals and leave World Service as it is. He suggested that the fight to stop the changes will continue. (Sennitt)

BBC World Service announced Sept 27 how it will respond to its cut in Grant in Aid from the British Foreign office. BBC's Russian service will move more of its broadcast operations in Moscow to save money, the Japanese service will reduce its daily output by 30 minutes while starting a new service on the Internet. For Africa, French will be reduced by an hour a day, Portuguese by half and hour. And English will be transmitted worldwide in three streams, rather than the present five. BBC Managing Director says he hopes the Government will look again at its planning figures for the World Service. If it doesn't change its view, BBC's only option would be to close down some languages entirely. (28-Sep/Elliott/VoA Communications World/Ogrizek/MOG-DX/BCDX/Bueschel)

USA some cutbacks (73.5 hours worth) at VOA: gone now are 1100-1200 UTC to Caribbean, Sun+Mon 0000-0200 to Carib & Latin AM, weekday night 0200-0300 UTC on MW Belize 1530 & 1580 kHz. Further cuts include 1530-1600 Croatian, 2300-2400 Polish, 1700-1730 & 2200-2230 Serbian. 0300-0400 Arabic, 1200-1300 Spanish weekdays, and 2300-2400 Thurs night. 0200-0300 Mandarin Chinese. (19-Oct/VoA Communications World/Elliott/BCDX/Bueschel)

VOA's use of SSB feeders officially ended on 26 October. The HF [high frequency] feeders had remained on the air even in this satellite age because of the VOA relay in Kavala, Greece. It did not have an agreement with the Greek government for its satellite interconnect system. Now Kavala does have the agreement so the HF feeds are no longer needed as a backup.

At the end of October, VOA was also experimenting with digital transmissions, from its Delano site. You might check to see if they're still in progress. Sked was 0000-0230 on 5902.5 kHz and 1900-2000 on 15235. They tested various transmission modes including a digital mode binary phased shift keying at 8 kb per second (which sounds "like an electric razor"). Monitoring stations in Washington, Texas and Spain tested reception. (BBCM)

"For some weeks I have been trying to persuade WEWN frequency manager Stanley Leinwoll to abandon 9580 at 1300-1600 where it has been blocking R. Australia; and 7395 at 2200-0300, where it has been splattering RFPI on 7385. While he seemed to resist such changes, the WEWN final W-96 schedule shows the station not using either frequency at any time. Thank you!" (Hauser)

One change in WHRI sked [LN September]: "Angel 1" now using 9495 from 1800-2400. 9495 1800-0000. (4-Oct/Brashier-WHRI/BCDX/Bueschel)

WGTG just opened 5085 kHz from 2100-around 0500. (Perkins)

VIETNAM VO Vietnam now using 12020 (ex-15010) for English at 0000. (BBCM)

YEMEN Republic of Yemen Radio (English Service) sked:

0600-0700	English	9780
1800-1900	English	9780

(BBCM)

Observations since 12th September have revealed that Republic of Yemen Radio, San'a, appears to have dropped its "Voice of Palestine" service which was previously broadcast at 1800-1900. At this time the shortwave 9780 kHz and mediumwave 837 kHz channels separate from the main program to carry the English service; other San'a radio channels (including 760 kHz mediumwave) continue with their normal programs in Arabic without being interrupted to relay "Voice of Palestine." (BBCM)

ZAIRE Radio Agatashya is a humanitarian station aimed at victims of the conflict in the Great Lakes region—Rwanda, Zaire, Burundi. Agatashya means "Swallow of Hope" in the Kinyarwanda language. It is operated by the Swiss-based Hirondele (Swallow) Foundation which is sponsored by the Swiss government, European Community (ECHO) and UNHCR. The transmitters are located in Zaire. There are also studios in Kigali (Icyali) and Bujumbura (Ijambo). Broadcasts are in Kinyarwanda, Kirundi, French, Swahili and English. Shortwave transmitter is based in Bukavu.

0600-1000	Multilingual	6125
1300-1400	Multilingual	6125 Mo/We/Fr
1400-1800	Multilingual	6125
1800-1900	Multilingual	6125 Sa/Su

(BBCM)

On v15244.5 kHz, La Voix du Zaire at 1742 UTC. Presumed this one with man declaiming in African-accented French past 1800 UTC, with occasional brief interludes of military drums; no break at top of hour. Weak, with deep fades and low audio (although it seemed reasonably clean, despite reports of severe distortion). (7-Oct/Hill/BCDX/Bueschel) sked 0500-1850 (7-Oct/Conradie/DXW/BCDX/Bueschel)

RADIO FREE ASIA Asia Pacific Network has been renamed to Radio Free Asia, and has taken to the air. Radio Free Asia is a US government service aimed at Burma, Cambodia, China, North Korea, Laos, Tibet and Vietnam. It is overseen by the Broadcasting Board of Governors. It began broadcasting at 2300 on 30th September 1996, using hired transmitters in Armenia, Kazakhstan, Saipan (Mariana Islands) and Tajikistan.

Address: 1201 Connecticut Avenue NW, Suite 400, Washington DC 20036, USA. Tel+1-202-530-4900 Fax: +1-202-457-6996

Latest known sked:

0100-0200	Laotian*	13625S
1500-1600	Chinese	5865K 6240A 7355T 7530T 7550K 9455S
2100-2200	Chinese*	
2200-2300	Korean*	13825S
2300-2400	Chinese	5865K 6240A 7495T 7530T 13800S

*Future planned broadcast

A=via Armenia
K=via Kazakhstan
S=via Saipan
T=via Tajikistan

THE OFFICIAL MISSION STATEMENT: "Radio Free Asia is a private corporation which is funded by grants authorized by Congress to broadcast to China, Burma, Laos, Cambodia, Tibet, Vietnam and North Korea. Its mission, as defined by Section 309 of the 1994 International Broadcasting Act, is "to provide accurate and timely information, news and commentary about events in the respective countries of Asia and elsewhere; and to be a forum for a variety of opinions and voices from within Asian nations whose people do not fully enjoy freedom of expression."

The station tried, unsuccessfully, to keep its frequencies and transmission sites secret, hoping potential listeners would somehow just magically find them on the dial. The full schedule—sites and all—was revealed on Radio Nederland's "Media Network program, and subsequently reproduced by BBCM, much to RFA's consternation.

VOA's Mandarin service will alter its schedule in deference to Radio Free Asia, while simultaneously professing not to promote the new propaganda venture. Says VOA, "It's a good bet that VOA and Radio Free Asia will become arch rivals as they compete for audiences, for US government funding and for talent." [Sure they will—AQ]

It should come as no surprise that China's foreign ministry promptly demanded "the United States not to interfere further in other countries' internal affairs by using the excuse of freedom of speech." Shen Guofang continued, "The new Radio Free Asia's main spearhead is pointed at China and other Asian countries, and its real nature is to interfere in other countries' internal affairs through journalistic means. He said: China maintains that this move of the United States has seriously violated the norms guiding international relations and the principles enshrined in the three Sino-US joint communiques, and it is not favorable for the improvement and development of Sino-US relations."

Hanoi hopped on the bandwagon, calling RFA "a tool of psychological war, a typical tool of the Cold War period, and at the same time a direct interference in the internal affairs of Asian nations."

On Oct. 17 I took a look at the new R. Free Asia website, (<http://www.rfa.org>) You get a mission statement asserting that it is not a US government station that it is totally objective and will not criticize any government [then, why bother?]. And a map of China and neighboring countries with spots to click on each language service. It's still under construction so for Mandarin, only got message in English explaining software necessary to access Mandarin text. Apparently there will be a lot of text and audio in all its languages, not relying on SW alone for penetration. Promised schedule of broadcasts but not yet included either, not even the times, let alone secret frequencies (Hauser)

(summarized by AQ from info provided by station press release, Bueschel, Shepard, R. Nederland, Hauser and BBCM)

[Just for the record, your editor considers RFA a very silly idea with the bonus of very poor timing.—AQ] 

FOR SALE: Some fine SW receivers from my shack: Lowe HF-225 Europa with NiCads, case, and service manual, \$795.00. Lowe HF-150 with KPAD-1, IF-150, AK-150, and service manual, \$595.00. Grundig Satellit 700, \$295.00. Panasonic RF-B600, \$245.00. Also Lowe PR-150 preselector, \$195.00, and Hewlett Packard HP-48SX calculator with 32K RAM, \$145.00. All O.B.O. and like or about as new with original carton and manuals and all plus shipping. Christopher Downie, PO Box 274, Johnstown, PA 15907. Phone (814) 532-4750.

WANTED: Radio Shack made a small "Statue of Liberty" transistor radio sometime in the 1980's. Does anyone have one he's willing to sell? Does anyone have a "Coco-Cola" pop bottle transistor radio for sale? S.J. Price, 1351 Oliver Avenue, Johnstown, PA 15909.

Pirate Radio Report

Chris Lobdell

PO Box 146

Stoneham, MA 02180-0146

CompuServe: 75720.253

Internet: piradio@usa1.com

In this month's PIRATE RADIO REPORT we have news about another popular pirate station that has shut down, an update on the Radioship Electra, and more news on the South American pirate RADIO PIRANA INTERNATIONAL.

Radioship Electra Project Update

Allan Weiner is in charge of outfitting the Radioship Electra for Scott Becker of Lightwave Mission Broadcasting. I recently talked to Allan on the phone and received an update on the project.

The ship, an ocean going tug, recently passed its sea trials with flying colors. The maximum speed of the Electra is 12 knots but its actual cruising speed is 7 knots which it can do with very little effort. Because the ship will be going to an ocean location (still secret) it was decided to dry dock the boat to repair some soft spots in the hull and to give her a paint job. This will cost about \$25,000, according to Weiner.

The transmitters have not yet been installed on the ship, but should be ready in early December. Allan plans to run on shortwave only with two frequencies at once radiating a minimum power of 10 kw. No medium wave operation is planned. Weiner feels that the 10 kw rigs may equal the output of a 100 kw land based transmitter because the ocean will act as a giant reflector!

The current location of the ship and its final ocean destination are still being kept secret for security reasons. Allan predicts the launching of the ship will now occur in early January 1997 depending on weather conditions.

The PIRATE RADIO REPORT will check back with Allan in December to get another update on this interesting project.

N.A.P.R.S. Closes Down

The NORTH AMERICAN PIRATE RELAY SERVICE, one of the most active pirates over the past few years has decided to close down. Here is what we have learned from Dick Pistek.

"The NAPRS has decided to close down after 4 years of serving the pirate listening public throughout North America. Our last broadcast will be our Fourth Anniversary Farewell Broadcast to be aired a number of times during the last two weekends in October.

The reasons we have decided to close are many. Changing hobby interests, equipment that is getting to be unreliable and the overcrowding of the pirate frequencies by the likes of WARR and WPRS.

During the 4 years that we were on the air, we relayed more Europirates and any other North American station and most likely were the most active pirate in the history of North American shortwave piracy. All good things must come to an end and so we come to an end of our broadcasting career.

Those who sent in a reception report on our Fourth Anniversary Farewell Broadcast will receive a nice certificate sized QSL, suitable for framing. The good news for those who like to listen to Europirate Relays is that RADIO FREE SPEECH has volunteered to pick up the slack and relay Europirates here in North America".

Thanks for the info Dick! I for one will miss those NAPRS relays. If you'd like to drop NAPRS a line, their address is: Box 1, Belfast, NY 14711 or via email: NAPRS@srs.pp.se.

Radio Pirana International Update

Last month we mentioned that Jorge Garcia's pirate station had taken to the air in South

America, using the 43 meter band frequency of 6925 kHz. Although there we no confirmed loggings here in North America, RPI was well heard throughout Argentina, Uruguay and Chile. Jorge also received a reception report from South Africa. Gabriel Ivan Barrera of Argentina heard RADIO PIRANA INTERNATIONAL with a test transmission on September 20th at 0154 UTC on 6925 kHz with station IDs in English and Spanish.

Updated information just received from the station says that they plan to use a new frequency of 11415 or 11420 kHz in addition to the 6925 frequency. I would suggest trying this new frequency as well during weekend evenings between 2200-0200 UTC.

RADIO PIRANA INTERNATIONAL can be reached at Box 109, Blue Ridge Summit, PA 17214, Box 220342, D-42373 Wuppertal, Germany or through email: pirana@srs.pp.se.

Radio Marabu's November Schedule

Our schedule for November is as follows for our 24 hour overnight broadcasts:

November 1-2 1800-1800 UTC 6275

November 9-10 1800-1800 UTC 6275

The broadcasts start at 1800 UTC the first day and run until 1800 UTC the second day.

This month the programme will be a joint broadcast with the local German FM PIRATE CITY FM. This relay will be the first program of CITY FM on shortwave ever. The address for PIRATE CITY FM is Box 220342, D-42373 Wuppertal, Germany. You can write to RADIO MARABU though the same address or via email at: RadioMarabu@t-online.de

By the way, Radio Marabu's October transmissions on October 12-13th were heard by a couple of people on the East Coast Of North America.

Radio Resistor's Bulletin

The Radio Resistor's Bulletin is now available from Michael Braunstein via email. For information, drop him a request at: mbraunsl@passage.net. The website URL is: www.rootsworld.com/rw/feature/rrb.html.

The publication is a compendium of articles and news dealing mostly with FM pirates and microcasting in North America. If this is your cup of tea, why not check it out?

November Conditions

With the shorter days and sharply falling MUFs, many stations have started operating during the daylight hours. For those in the Eastern USA the time period between 1400-2000 UTC on Saturday and especially Sunday will be quite active throughout the winter. Most nighttime pirate activity will be heard best between 2200-0200. After that, the band will most likely be dead, except for long distance reception and the occasional propagational "blip" which will open the band. The most active frequencies will be 6950, 6955 but I have it from a good source that the range of 6965-6990 kHz will see some activity this month as well!

Be sure to report all those logs heard over the Halloween holiday to us here! Remember, Fred Kohlbrenner will handle your pirate logs too! By the way, I'm all out of pirate station profiles, so if there are any pirate ops reading this, please send in a few paragraphs about your station.

Logs

UP YOUR RADIO SHORTWAVE likes to poke fun at our political system. They were noted here with a pre-election special at 1510 UTC on October 20th with sound bites from a Dole speech and playing a parody song "Beautiful Teamsters". Good signals were noted on 6955 USB. Address: BRS.

VOICE OF BIZZARO WORLD does everything backwards. They sign on with a goodbye and end the show with a hello! Send them a QSL and they'll send you a reception report! This bizare station was heard on October 11th at 0030 UTC on 6956.4 in the LSB mode. Address: unknown.

WAMP is a time signal pirate! Noted at 1500 with time pips borrowed from WWV, announcing time as "Co-ordinated Alan P. Masyga Time" on 6955 USB on October 6th. They gave Box 293, Merlin, Ontario NOP 1W0 as the address.

So, until next month, happy pirate hunting! 

English Schedules

Tom Sundstrom

PO Box 2275

Vincentown, NJ 08088-2275

Fax 609-859-3226

trs@trsc.com

Prepared October 24.

We'll have a full listing next month. As we put this column to the printer, we are still missing data from the BBC, the VOA and Moscow (among others). There is no point in distributing misinformation.

Botswana: Radio Botswana has been heard on new 9640 with English news at 1917-1922, Oct. 13, first noted Oct. 11 with a big signal, signing off after choral anthem until 2202* (Jay Novello, North Carolina, World of Radio).

Denmark via Kaliningrad: "GOODBYE 7570!!! As of 15/10, I am no longer working with Radio ABC, and so the new management has, decided to stop broadcasting on short wave. The final transmission (if there'll be one) is believed to be the one on Sunday 20/10 1996 at 0800-1200 on 7570 (it'll be a repeat of the previous week's program). I hope QSL's (which HAVE been printed) will be sent out to everyone - but please be patient! I am taking up a new job - due to be announced within a couple of days - which is VERY exciting and challenging for me, but unfortunately I can't reveal anything yet. Best of 73's. Stig Hartvig Nielsen". (rec.radio.short-wave)

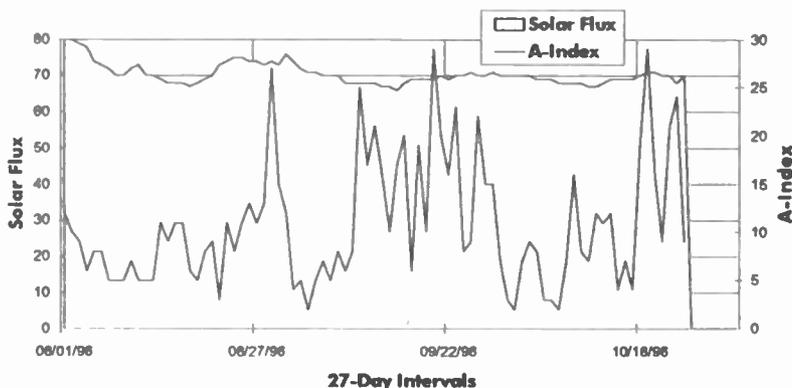
Sudan: R Omdurman is on new 9200, heard on October 12. News and features read mostly by a woman announcer from t/in 1815, "You are listening to the English service of Radio Omdurman..." heard at 1850 UT, then mixed into a 10-minute musical theme there were news headlines and a series of frequency schedule announcements spaced every 2-3 minutes to time pips at 1900, then off to another language (Arabic?). Signal built from s2-3 to s6-8 during the 45 minutes I listened. Much better here than on 9024, where it conflicted with Iran on 9022. An edited 2-min clip is on our Web site on the "Shortwave Sound Bytes" page.

USA: WWCR moved from 5065 to 5070 from the 16th of October. In case you haven't heard, the VOA cuts for the new fiscal year include the weekend English time slot that carried Communications World at 0030 Sunday, but other CW times remain intact.



The 1997 World Radio TV Handbook production deadlines were moved up a bit this year. If all goes as planned, the book should be available mid- to late-December.

SOLAR FLUX & A-INDEX: Aug-Oct '96



TRS Consultants
<http://www.trsc.com>

<http://www.trsc.com>



QSL Report

Sam Barto
47 Prospect Place
Bristol, CT 06010



STATE OF BAHRAIN
MINISTRY OF INFORMATION
RADIO & TELEVISION

Dear Sir / Monsieur, via Aspinall

Thank you very much for your reception report and enclosures. The programme details "on" mentions confirms to our Broadcast schedule.

The information provided by you gives us important feed back, to improve our service.

With best wishes from all at Radio Bahrain

Date: 27.10.1995

A. Sulaiman
DIRECTOR OF RADIO
P.O. Box 702, Manama
BAHRAIN

Hi Folks: Looks like we have another great QSL Column so lets get into the reports.....Sam.

ALASKA: KNLS 7365 f/d limited cd. w/ a personal itr. and stamps in 21 ds. for 1 ms. (Griffin-IA). 9615 f/d cd. w/ newsitr. in 6 wks. for \$1.00. (Myers-VA).

ALGERIA: Radiodiffusion Algerienne 15205 f/d "Camel" cd. w/ schedule in 191 ds. for \$1.00. (Pierce-MA).

ARMENIA: Voice of Armenia 9965 f/d new blue "50th Anni-

versary" cd. w/ logo folder and a personal itr. in 3 mo. Sure beats the plain white cd! (Loudell-DE).

ASCENSION ISLAND: Voice of America 11855 f/d cd. w/ sticker, pennant and newsitr. in 1 mo. (Shepard-CT). 6145 f/d "Grand River" cd, in 24 ds. (Weissborn-TX). **BBC** 21660 f/d itr. w/ info. sheet in 6 wks. for \$1.00. (Myers-VA).

RCI RADIO CANADA INTERNATIONAL



BANGLADESH: Radio Bangladesh 9568 f/d "Sunset" cd. w/ personal itr. in 11

SPECIAL OFFER: So far we have had several dozen orders for the Special Offer on postage stamps. Most of you are using them as enclosures or gifts with your reception reports. Several QSLers have reordered! The offer still stands at \$5.00 for 600 stamps; \$10.00 for 1,300 stamps and \$15.00 for 2,000 stamps. Most are mounted for your selection purposes and the majority are large foreign beauties! Please encloses \$1.00 postage for each \$5.00 order.



Supplies are Unlimited!

Send your orders to your NASWA QSL Editor. I guarantee you will be extremely pleased....Sam.

wks. w/ schedule. v/s Serajul Islam Khan, Senior Engineer. (Loudell-DE).

BELGIUM: Radio Vlaanderen International 9925 f/d "St. Rombaut Cathedral" cd. in 68 ds. (Glockner-PA).

BOLIVIA: Radio Santa Cruz 6135 very nice f/d itr. w/ pennant and FM sticker in 23 ds. for a taped rpt. local postcard and \$1.00. v/s Ma. Yolanda Marco E., Secretaria. (Mohrmann).

BONAIRE: Radio Nederlands 6165 f/d "Link Up Burum, Holland" cd. w/ stickers and postcard in 42 ds. (Pasquale-PA).

BOTSWANA: Radio Botswana 3356 f/d "stork Sanelliac-breasted Roller" cd. in 67 ds. for \$1.00. (Comeau).

Radiodiffusion
Algérienne

21, Bd des Martyrs
ALGER



الإذاعة الجزائرية
.....
21, شارع الشهداء,
الجزائر

QSL



Rapport du *2031/95*
Fréquence *15205 kHz*
Heure GMT *18h ou 19h30*

Mr Robert K. Pierce



KOL ISRAEL
 External Service
 P.O.B. 1082 via Vaghjee
 91 010 Jerusalem, Israel

QSL

THANK YOU FOR YOUR RECEPTION REPORT
 VOUS VOUS REMERCIONS POUR VOTRE RAPPORT D'ECOUTE
 AGRADECIMOS SU INFORME DE RECEPCION

1st Bst. kHz Date/dia 86156 / 14th UTC

YOUR REPORT HAS BEEN CHECKED AND AGREES WITH OUR LOG
 VOTRE RAPPORT A ETE VERIFIE ET TROUVE CONFORME A NOS SPECIFICATIONS
 SU INFORME HA SIDO VERIFICADO Y TROUVE CONFORME A NOSTROS

BRASIL: Radio Gaucha 6020 n/d fold-
 er cd. in 43 ds. for a PT rpt.
 (Glockner-PA).

BULGARIA: Radio Sofia 9700 f/d cd.
 in 70 ds. for 1 IRC. Also rcvd.
 schedule. (Weissborn-TX).

CANADA: Radio Canada International

15325 via **Sackville** f/d cd. in
 18 ds. v/s Bill Westenhaber.
 (Weissborn). 11855 f/d cd. w/ 2
 stickers in 9 ds. (Griffin-IA).
China Radio International 9560
 f/d "Terracotta Warriors" cd.
 in 33 ds. (Weissborn-TX).

CHILE: Radio Esperanza 6090 f/d "Folder bird/micropho" cd. in 7 wks.
 for a SP rpt. and \$1.00. v/s Eleazar H. Jara. (Loudell-DE). f/d "Cer-
 tificado de Sintonia" in 87 ds. for a SP rpt.
 and 1 IRC. (Weissborn-TX). f/d folder cd. w/
 info. ltr. in 2 mo. for \$1.00 and a local post-
 card. (Mohrmann).

CHINA, PEOPLES REPUBLIC OF: Hulun Buir-ch PBS

* 3900 rcvd. ltr. in CH in 139 ds. w/ EG greet-
 ings. This was direct from station. (D'Angelo)

COSTA RICA: United Nations Radio 7385 via **Radio**
For Peace International f/d "UN Building"
 cd. in 30 ds. (Weissborn). **RPTI** 15050 f/d
 cd. w/ schedule in 38 ds. for \$1.00. (Glock-
 ner-PA). **Radio Reloi** 4832 p/d cd. in 1 mo.
 for a SP rpt. and \$1.00. v/s Francisco
 Barahona G. (Myers-VA).

CUBA: Radio Rebelde 5025 n/d "Comical Fold-
 er" cd. w/ p/d personal ltr. in 9 wks.
 for \$1.00. v/s Marisel Ramos Soca, Dpto.
 Relaciones Publicas. (Loudell-DE).

DOMINICAN REPUBLIC: Radio Cristal International 5012

* rcvd. FAXed ltr. from Dario Badia, Director General. This
 was in 3 mo. after my original rpt. and immediately after I sent
 a f/up FAX. (Berg-MA).

ECUADOR: HCJB 9745 f/d "Quito" cd. in 26 ds. for ms. (Dacus). same in 3
 wks. for ms. (Loudell-DE). 9415 f/d cd. in 21 ds. w/ JP newsltr. (Hos-
 oya-JPN). **Radio Bahai** 4950 f/d cd. w/ ltr. and pennant in 3 wks. for
 a SP rpt. and \$1.00. (Myers-VA).



OPTIONAL READING: Just to see if
 anyone is reading this Column I
 am offering for the month of Oc-
 tober only an additional 200
 stamps for each order of the
 Special Offer from the first
 page of the QSL Column..Sam.

ENGLAND: Midwest Radio

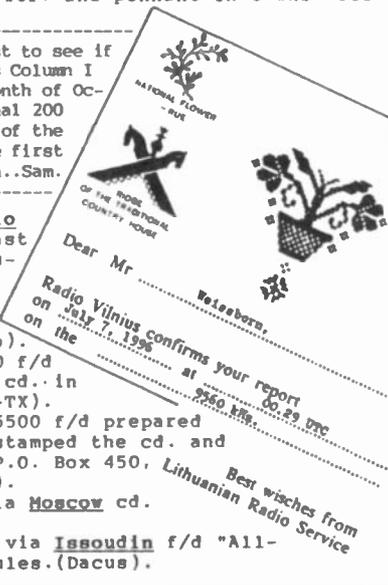
7325 f/d "Mayo Coast
 line" cd. w/ compu-
 ter ltr. in 127
 ds. v/s Michael
 Commins, Program
 Producer. (D'Angelo).

VOA Woolferton 7170 f/d
 "LeConte Glacier" cd. in
 20 ds. (Weissborn-TX).

ETHIOPIA: Voice of the Tigray Revolution 5500 f/d prepared
 * cd. in 23 ds. The station signed and stamped the cd. and
 sent a short confirmation ltr. Addr: P.O. Box 450, Mekelle, Tigray, Ethiopia. (D'Angelo-PA).

EUROPEAN RUSSIA: Voice of Russia 11675 via **Moscow** cd.
 in 45 ds. w/ personal ltr. (name?)

FRANCE: Radio France International 15460 via **Issoudin** f/d "All-
 iss" cd. in 94 ds. Also rcvd. 2 schedules. (Dacus).



GABON: Radio France International 12015 via Moyabi f/d "Alliss" cd. w/ schedule in 99 ds. (Dacus).

GERMANY: VOA Lampertheim 11875 f/d "Grand River" cd. in 17 ds. (Weissborn).

GUATEMALA: TGNA Radio Cultura 3300 f/d "Quetzal" cd. in 103 ds. for a SP rpt. and \$1.00. v/s Wayne Berger, Chief Engineer. (Weissborn-TX).

GUYANA: Voice of Guyana 3290 p/d form ltr. in 3 wks. for \$1.00. v/s S. Goodman, Chief Engineer (Loudell-DE). f/d ltr. in 3 wks. for \$1.00. v/s Indira Anandjit. (Shepard-CT).

ISRAEL: Kol Israel 9388 f/d cd. in 1 mo. (Loudell).

KAZAKHSTAN: Radio Almaty International 11705 f/d * personal ltr. from the Embassy of Kazakhstan in DC in 2 wks. v/s Daurem Myrzagaliev, Press Attache. Not



sure if this trans - mission was from a Ukrainian site. (Loudell-DE).

KOREA, REPUBLIC OF: Radio Korea International 7275 "96 The Year of Literature" cd. w/ schedule, sticker and newsitr. in 1 mo. (Hosoya)

NOTES: Benton Owsley says that the QSLs have been few and far between. The summer has been nice but very hot. Thanks for the pirate QSL illustration of Rock It Radio. Its in this Column... Sam. Allan Loudell says he spent his summer at the beach and DXing. He also sent several f/up reports - even to a few embassies. Two embassies replied with precise QSL wording. At least someone is getting the



message... Sam. Greg Myers sent in some nice QSLs. He hopes everyone had a great summer. It appears that Radio Democratic International is not verifying as quickly. We'll see... Sam. Mark Mohrman says the advent of e-mail is wonderful but it sure makes it hard to keep track of all my loggings.

LESOTHO: BBC 3255 f/d ltr. from Martin J. Rigby. (Gaharan-LA).

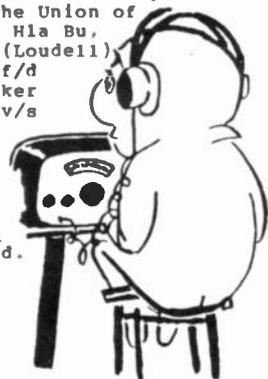
MALAWI: Malawi Broadcasting Corporation 3380 f/d ltr. in 1 mo. v/s J.O. Mndeke. (Lare-MT).

MAURITANIA: Radio Mauritanie 4845 p/d ltr. from the Embassy of Mauritania in DC in 2½ wks. v/s Bibal Ould Werzeg, Ambassador. (Loudell-DE).

MOROCCO: VOA 15445 f/d "Poudre River" cd. in 21 ds. (Weissborn-TX).

MYANMAR: Radio Myanmar 4725 f/d personal ltr. in 2½ mo. for a 92 reception from the Embassy of The Union of Myanmar. v/s Aye Hla Bu, Third Secretary. (Loudell)

NORWAY: Radio Norway 7520 f/d "Hardanger" cd. w/ sticker and schedule in 24 ds. v/s



UN Radio

الاتحاد الدولي للإذاعة
United Nations Radio - La Radio des Nations Unies
Pagos Observadores Mundi
Le Radio de los Observadores Unidos

Thanks

Henry Weissborn

For the report on a United Nations broadcast

at 0501-0523 UTC - 10 August 1996

on 7385 kHz

via EFTL, Costa Rica

G. Breie. (Griffin-IA).

PALAU: KHBN 9965 f/d "World Map" cd. in 20 ds. for 1 IRC. (Neal-TX).

PERU: Radio Cora 4915 f/d personal ltr. in 228 ds. for a SP rpt. and \$1.00. (D'Angelo-PA).

PORTUGAL: Radio Canada International 15325 via Sines f/d "50th Anniversary" cd. in 15 ds. Stickers rcvd. (Weissborn-TX).

ROMANIA: Radio Romania International 9510 f/d "Woman's Costume from Vlasca" cd. w/ stickers and schedule in 5 wks. (Loudell).

RUSSIA: Voice of the Mediterranean 12060 and 9765 f/d cd. in 16 ds. w/ sticker. (D'Angelo-PA).

Contributors' Page

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

LOGGINGS CONTRIBUTORS-NEXT DEADLINE 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
Charles BOLLAND, Lake Worth, FL	NRD-535D NRD-525 LW dipole
Rich A. D'ANGELO, Wyomissing, PA	R8 HF150 AD-DX/SWL Sloper 100' LW
Ralph FAMULARO, Hyugo-ken, JAPAN	ICF-SW55 ATS-803A R5000 LW
Marlin A. FIELD, Hillsdale, MI	
John FISHER, Calgary, ALBERTA	R71-A Sloper dipole
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Bob HILL, Holliston, MA	Sony 2010w/ whip & KIWA filters, Sony AN-1
Hans JOHNSON, Englewood, CO	R8 2-500' LW's
Ben KREPP, Chamberlain, ME	R8-A 2010 60m dipole beverages
Marie LAMB, Brewertown, NY	HF-150 DX-392 MFJ-16010 60m LW Loop
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
John LYON, White Bear Lakes, MN	
William McGUIRE, Cheverly, MD	DX-380
Mark MOHRMANN, Coventry, NY	NRD-535D Vertical beam
Bob MONTGOMERY, Levittown, PA	R390-A NRD-525 FL-3 ARA60
Kevin MURRAY, Holliston, MA	R8 AOR 7030 Beverage and loop antennas
Gary NEAL, Sugarland, TX	DX-350
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Benton OWSLEY, Ventura CA	NRD-525 100' LW
Denis PASQUALE, New Brighton, PA	DX-440 10m LW
Sheryl PASZKJEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Stephen PITTS, Minnetonka, MN	NRD-535D FRG-7 Eavesdropper RW Loop
Chuck RIPPEL, Cornland, VA	R8A Lowe Europa R390A LW's
Mike RYAN, Bangkok, THAILAND	
Giovanni SERRA, Anzio, ITALY	NRD-525 AD Sloper
Mahendra VAGHJEE, Rose Hill, MAURITIUS	Sony ICF-2010 ARA-60
Henry WEISSBORN, Houston, TX	Grundig YB500
Dan ZIOLKOWSKI, South Buffalo, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

Thanks go out to our members who sent in contributions this month. Gabriel Ivan Barrera's logs were made while at a DX camp to a country farm in Coronel Vidal, Argentina. Anyone needing log or QSL report forms can get them by sending an SASE to the address above.

73's till next month,



Tropical Band Loggings

Sheryl Paszkiewicz
PO Box 152
Manitowoc, WI 54221-0152

2310 AUSTRALIA VL8A 9/16 1940 mx, interview (Vagh-MAUR) 9/29 0850
lite mx, EG tlks, weak (Alex-PA)

2325 AUSTRALIA VL8T 9/16 1940 mx, interview (Vagh-MAUR)

2410 PAPUA R Enga 10/5 1043 tlks, mx, ment PNG (Murr-MA) 10/4 tent
1105 mx in & out at threshold lvls (Ripp-VA)

2485 AUSTRALIA VL8K 9/16 1940 mx, interview (Vagh-MAUR)

2850 NORTH KOREA KCBS 10/6 1402 usual depressing anthems (Fish-MA)

2920th COLOMBIA Unid 10/2 0410 R Uno IDs, RCN, ment Barranquilla,
1460x2? (Mohr-VT)

3205 NEW GUINEA R Sandaun 10/6 1130 lang tribal mx, tlks, nx, ID
(Lyon-MN)

3205 SUMATRA RRI Bandung 9/16 1525 tlk, ID, mx, nx 1600 (Vagh-MAUR)

3210 COSTA RICA REE 10/3 1105 nx, IDs (Lyon-MN)

3210 USA unid 9/6 0825 EG rel pgm (Levi-PA) WWCR?

3214.8 SULAWESI RRI Manado 10/6 1409* pop, IS, nx, anthem, ID (Fish-MA)

3220 CHINA CNR 10/3 2207 CH tlks //4460, 5320 (Hill-MA)

3220 SOUTH AFRICA Channel Afr 9/16 1601 EG nx, rpt (Vagh-MAUR)
10/3 0308 EG nx, interviews //5955 (Lyon-MN)

3223 INDIA AIR Simla 9/25 *0045 3 IS, rest unreadable (Hill-MA)

3230 SOUTH AFRICA SABC 9/16 1620 mx, 1630 EG nx, AK tlk (Vagh-MAUR)

3245 INDIA AIR Lucknow 9/16 1705 mx, ID, TC, EG nx 1730 (Vagh-MAUR)

3245.2 BRAZIL R Clube 9/21 2232 echo ads, tlk, pops (Hill-MA)

3255 LESOTHO BBC 9/22 before 0300 mx, ID, TC, nx poor (D'Ang-PA)

3264.7 SULAWESI RRI Gorontalo 9/25 1227 pop mx, ID 1227 (John-CO)

3270 NAMIBIA NBC 9/16 1735 tlk in lang (Vagh-MAUR)

3280 CHINA Vo Pujiang 10/5 1205 CH pop, tlks, ads? flute (Lyon-MN)

3280 ECUADOR LV del Napo 9/22 0934 Quechua/SP mx, TCs, greet (Mohr)

3280 S AFR BBC 9/16 1755 sport roundup, 1800 nx, site? (Vagh-MAUR)
9/22 2140 technopop, nx (Hill-MA)

3289.8 ECUADOR R Centro 9/22 0915 Andean mx, ID 0930, phone tlk (Mohr)

3290 NAMIBIA NBC 9/16 1811 lang tlk, C&W mx, lcl mx (Vagh-MAUR)

3306 ZIMBABWE ZBC 9/16 1825 tlks in lang (Vagh-MAUR)

3315 ADM ISL 10/6 R Manu 1145 EG chor, tlks, IS, NA (Lyon-MN)

3320 SOUTH AFRICA Afrikaans Stereo 9/16 1847 mx, AK tlk, ID (Vagh)

3335t TAIWAN CBS 9/10 1744 tlk, pops, ID 1800?, RTTY QRM (Serr-IT)

3340 PERU R Altura 10/6 1030 ID, ads, folk mx (Lyon-MN)

3345 SOUTH AFRICA Channel Afr 9/16 1902 PT nx, ID, Afr mx (Vagh)

3355 BOTSWANA RB 9/16 1715 EG nx abt Mother Theresa (Vagh-MAUR)

3370 MOZAMBIQUE? 9/16 1933 PT tlks, mx, weak (Vagh-MAUR)

3385 NEW BRITAIN RENB 10/5 1100 TC, nx //4890, good (Hill-MA)

3910 IRELAND 10/6 2103 Reflections Europe gospel pgm, addr, ham
QRM, better on //6295 (Hill-MA)

3935 NEW ZEALAND ZLXA 9/14 0800 EG ID by YL, heavy fade (Owsl-CA)

3945 JAPAN R Tampa 9/20 1230 excited tlks, sports (Owsl-CA)

3976 KALIMANTAN RRI Pontianek 9/16 1505 nx, ID, sports (Vagh-MAUR)
9/20 1222 tlk, island mx, undermod (Owsl-CA)

4002 SULAWESI RRI Kendari 9/16 2035 prayer, pop mx, tlk (Vagh-MAUR)

4070 CLAND Vo Iraqi Kurdistan 9/16 0319 interview, ment Iran, ME
vcl, anmt, ID per Goonetilleke (Hill-MA)

*4419 PERU R Bambamarca 10/2 0259 Andean mx, sev IDs, (Mohr-VT)

4461 PERU R Norandina 9/22 0350* anmts, folk mx, NA (Alex-PA) 10/1
1001 Andean ballads, ID, weak (Mohr-VT)

4485.2 PERU LV de Celendin 9/27 0325* tlk, folk mx, NA (Alex-PA)

4660.lv CLAND Vo Mojahed? 9/14 0245 tlk, ME mx, march mx, jumping
around in freq, bubble jammer (Alex-PA)

4679.8h ARGENTINA R Castanares 9/19 1023 ID, FC 1560x3 (Barr-ARG)

4725 MYANMAR VoM 9/30 1240 group singing, tlks, fade (Pitts-MN)

4735 CHINA Xinjiang PBS 10/4 1209 lang tlks, orch mx (Pitts-MN)

4750 CAMEROON CRTV Bertoua 10/4 0540 FR nx, pops (Lyon-MN)

4753.3 SULAWESI RRI U-P 9/30 1201 Pgm Nasional, ID //others (Pitts-MN)
 10/5 1355 pops, nx, anthem, ID, pop mx, tlk, SCI (Fish-MA)
 4760 SWAZILAND TWR 10/14 0330* SH rel, choir, ID, IS (Lamb-NY)
 4770.1 ECUADOR R Centinela del Sur 9/25 0229 ballads, ID (Mohr-VT)
 *4775 BRAZIL R Liberal 10/14 0238 pops, anmts, echo ID, prayer (Lamb)
 4775 SWAZILAND TWR 9/8 0400 EG ID, IS, lang pgm, good (Boll-FL)
 4777 GABON RTG 9/19 FR tlk ment Libreville (Barr-ARG) 9/17 2131
 Afropops, tam tam, ID, nx (Serr-IT)
 4777.7 BOLIVIA R Andes 9/21 1005 flute mx, ID, folk mx (Barr-ARG)
 4779.8 GUATEMALA R Cult Coatan 9/27 *1100 anmts, ID, rancheras (Alex)
 4779.9 ECUADOR R Oriental 9/27 1014 anmts, ID, mx, ads (Alex-PA) 9/22
 1028 ment Tena, ID, Andean mx (Mohr-VT) 10/6 1040 ad, ID,
 folk mx (Lyon-MN) 9/10 1100 ID, orch mx (Robi-TN)
 4782.5 MALI RTM 9/14 2359 FR hilife, orch NA, fair (D'Ang-PA)
 4784.4 MALI RTM 9/9 1941 lang tlk, IS, ID, guitar, nx (Serr-IT)
 4790.5t PAKISTAN 0057 Azad Kashmir R lang tlk, mx (Barr-ARG)
 4800ht ARGENTINA R Armonia 9/16 0827 LA mx, nx from Buenos Aires
 1600x3 (Mohr-VT)
 4800 LESOTHO RL 10/10 0312 rel pgm ment Bible College, choir, nx
 Zamfir mx (Lamb-NY)
 4815 BURKINA FASO RTB 10/1 2040 hilife, FR tlk, good (Hill-MA)
 4815p ECUADOR R Buen Pastor 10/6 0037 rel mx, TCs, NA 0108* (Berg-MA)
 4820t ANGOLA EP Huila 9/8 0405 Afr choral mx, cmtry (Boll-FL)
 4820 BOTSWANA RB 10/10 *0246 IS, NA //7255 (Lamb-NY)
 4824.3 PERU LV de la Selva 9/17 1045 LA mx, anmts 1100 (Newb-NE) 9/27
 0955 ID, US pops, slight fade (Mont-PA)
 4826.5v MAURITANIA ORTM 9/26 2300-0100* drifting AR tlk, mx, Koran
 Also 9/27 0604 on 4834.9 w/Koran (Alex-PA)
 4830 VENEZUELA R Tachira 9/7 0110 mx, promos, anmts (Newb-NE)
 9/19 1022 llaneras, ID, fair (Barr-ARG) 10/14 0310 tlks, ads
 IDs, Besame Mucho (Lamb-NY)
 4835 MALI RTM 9/15 2050 Afropops, chant //4782.4 (Serr-IT)
 4835.1 GUATEMALA R Tezulutlan 9/7 0125 Indian tlk, exc (Newb-NE)
 4855.6t PERU R La Hora 10/14 1020 mx pgm, no ID hrd (Fiel-MI)
 4856 PERU R La Hora 10/5 1010 IDs, OA mx, RTTY QRM (Mont-PA)
 4870 BENIN ORTB 9/19 2300* FR tlk, Afropops, NA (Alex-PA)
 4874.6 IRIAN JAYA RRI Sorong 10/6 1109 ballads, YL anmts (Murr-MA)
 10/6 1453* oldies, ID 1429, gamelan mx (Fish-MA) 9/25 1278
 ID, EG pgm on a Wednesday (John-CO)
 4879.6 ECUADOR RN Espejo 9/25 0215 ads, ID (Mohr-VT)
 4890 PAPUA NBC 9/17 1105 C6W mx, W anmts, poor mod (Newb-NE) 10/3
 2040 peaking w/island mx (Ripp-VA) 9/25 2030 ad, wx, ID for
 Karai Nat R, pop mx (Hill-MA) 1100 EG ID, nx, phone tlks,
 good (Robi-TN) Hi Betsy--sp
 4895 BRAZIL R Bare 10/12 0255 ballads, sev IDs, ment onda tropical
 ment Manaus, Brazil (Pasz-WI)
 4895 COLOMBIA LV del Rio Arauca 9/16 1000 mx, ID, weak (Ziol-NY)
 4904.6 CHAD RNT 9/14 0600 FR ID, TC, FR pops (Owsl-CA)
 4905 CHINA CNR 9/19 2145 EG lang lesson, fair (Hill-MA)
 4910 ZAMBIA ZNBC 9/17 0405 Afr lang tlk, bird call (Vagh-MAUR)
 9/8 0415 drums, long tlk in lang, good (Boll-FL) 9/22 0414
 lang tlks, fair (Barr-ARG) 10/14 0411 nx in sev langs, IS
 IDs, TCs, Afropops (Lamb-NY)
 4914.4 PERU R Cora 9/24 0854 anmts, ID, ballads (Mohr-VT)
 4915 BRAZIL RN Macapa 9/9 0859 ID, tlks, ment RN a lot (Ziol-NY)
 4915 GHANA GBC 9/17 2205 EG nx, ID, TC (Serr-IT)
 4919 ECUADOR R Quito 9/21 boleros, ID (Barr-ARG)
 4920 INDIA AIR Madras 10/2 1215 interview, TP, EG ID, nx (Pitts-MN)
 4935 PERU R Tropical 10/5 1037 tent ID, mx, tlks, fades (Mont-PA)
 4940 CHINA Vo Strait 9/8 1120 CH tlk, mx, poor (Ziol-NY)
 4949.8 ECUADOR R Bahai 9/27 1025 tlk, mx, rooster, ID (Alex-PA) 9/20
 0901 mx, NA 0912, ID, Quechua ID, folk mx (Barr-ARG) 9/12
 0933 distorted tlk, mx, flutes, ID 0957 (Ziol-NY)
 4950 ANGOLA RN 9/21 0434 PT pgm, mx (Barr-ARG) 9/17 2107 choral
 chant, anmts, mx (Serr-IT)
 4950 SAO TOME VOA tent 9/17 PT tlk, weak (Vagh-MAUR) 9/15 2020 ltr
 pgm, nx, ID (Serr-IT)
 4960 INDIA AIR Delhi 10/4 1230 EG ID, nx, Hindi anmt (Pitts-MN)
 you also ment 4860 which is what I think you meant--sp
 4960.9 UNID 9/22 2037 Afr mx, hilife, march & off (Hill-MA)
 4965.8 PERU R San Miguel 9/22 0945 TCs, saludos, mx, ID (Mohr-VT)
 4980 VENEZUELA Ecos del Torbes 9/7 0135 tlks, good (Newb-NE)

4985 BRAZIL R Brasil Central 9/7 0141 C&W mx (Newb-NE)
 4990 ARMENIA Vo Armenia 9/16 1751 EG speech, anthem (Serr-IT)
 4991 PERU R Ancash 9/18 0851 mx, ID 0902, mx (Ziol-NY) 9/10 1030
 ID, nx, trad mx (Robi-TN)
 5005.6 PERU R Jaen 9/27 1032 tlk sounding mad abt something (Alex)
 1001 strong s/on, full ID, instl (Mohr-VT)
 5013 DOM REP R Cristal 9/15 0103* SP, jazz, LA mx, ID, NA (D'Ang)
 9/15 0050 mx, tlk, ID 0058, NA to 0104*, low mod (Ziol-NY)
 5015 RUSSIA R Tikhii Okean 9/20 1215 RS ment Vlad, big band mx(Owsl)
 5020 COLOMBIA Ecos del Atrato 10/14 0415 mx, ID & Caracol (Fiel-MI)
 9/27 *1006 NA, anmts, ID, distorted (Alex-PA) 9/17 1012 ment
 Colombia, IDs, Caracol IDs, promo, mx (Ziol-NY) 10/4 0430
 ads, IDs (Lyon-MN) welcome back--sp
 5020 SOL ISL SIBC 9/15 0700 ID, island nx, trade nx (Owsl-CA)
 10/6 1105 EG nx, American pops (Lyon-MN)
 5025t BENIN Parakou 9/16 2105 FR tlk, mx, Afr mx, weak (Vagh-MAUR)
 5025 CUBA R Rebelde 9/15 1209 ID, tlk abt revolucion (Owsl-CA)
 5033.9 CENT AFR REP 9/10 1737 Afropops, FR anmts, nx? (Serr-IT)
 5035 BRAZIL R Educ Rural 9/23 0937 tlk, mx, ID 1000 (Ziol-NY)
 5035 UZBEKISTAN Tashkent 9/15 2007 GM mx, anmts, ment Uzbek (Serr)
 5047 TOGO RTT 9/16 0545 FR tlk, Afr & FR pops, fair (Owsl-CA)
 5050 CHINA Vo Strait 9/15 1215 CH tlks, opera, good (Owsl-CA)
 5075 COLOMBIA Caracol 9/14 0630 ID, TC, nx (Owsl-CA)
 5076.8 COLOMBIA Caracol 9/29 0215 promos, phone in, pop mx (Newb-NE)
 5085nf USA WGTG 10/14 0205 EG Old Style Baptist Hour, ID, tnx Mc-
 Donough & Mohrmann (Lamb-NY)
 5100 LIBERIA R' Liberia 9/21 *0614 EG pol cmt, IDs, Afr mx (Alex-PA)
 9/1 1843 chants, ID, TC, instl (Serr-IT)
 5139.8 PERU R Amauta 9/19 0137 greetings, IDs, poor (Barr-ARG)
 5260 KAZAKHSTAN KR 9/17 1737 chants, anmt, mx, IS, nx (Serr-IT)
 5295 CHINA CNR 10/8 2056 Gershwin, TP, CH nx //5320, 6840 (Hill-MA)
 5385 PERU 10/2 0100-0305* R Huarmaca IDs (Fiel-MI)
 10/1 0008 Andean mx, tlk, TCs (Hill-MA)
 5470.6 PERU R San Nicolas 9/22 0210* anmts, tent ID, NA, weak (Alex)
 10/6 0105 mx, YL anmts, 0140* NA (Fiel-MI)
 5485.5 PERU R Huarmaca 9/21 0010 anmts, pops, RTTY QRM (Alex-PA)
 5500 ETHIOPIA Vo Tigray Rev 9/20 0326 lang IS, tlks, mx (Barr-ARG)
 10/10 0407 ment Bosnia, US, instl, Afropop, birds, phone tlk
 tnx D'Angelo (Lamb-NY)
 5522t PERU R Sudamerica? 9/27 2355 weak tlks (Fiel-MI)
 5619.2 PERU R Ilucan 9/21 0225* SP tlk, OA mx, IDs, no NA (Alex-PA)
 5765.1 UNID 9/18 0153 SP tlk over march, 0201* Miskut? (Hill-MA)
 5770 NICARAGUA R Miskut 9/27 2331* mx, anmts, ID, NA (Alex-PA)
 5895 CROATIA CR 10/10 0304 EG nx, ID, IS, into CR (Lamb-NY)

As Rich D says, this is another good one. A real nice turnout this month. I especially want to thank MAHENDRA VAGHJEE and BENTON OWSLEY for their nice batch of loggings from their respective locations.

This month loggings from 13 states & 2 countries. Next deadline is November 22. Happy Thanksgiving and a belated one to our Canadian subscribers.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to more than 480 WRTH transmitter sites including new Russian republics. ITU Country Codes included. Send your location or coordinates, \$7.50. NASWA Journals '95 complete, \$15.00. WRTH '91, \$6.00; '93, \$7.00; '94, \$10.00 or \$20.00 for all three. "Passport to World Band Radio" '94, \$9.00; '95, \$10.00; '96, \$13.00 or \$30.00 for all three. All items include shipping (overseas shipping extra). Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398 (not collect).

FOR SALE: Eight issues of WRTH 1987 to 1994 inclusive. \$5.00 each or \$35.00 for the complete set. Also seven issues of "Passport to World Band Radio" 1988 to 1994 inclusive. \$5.00 each or \$30.00 for the complete set. Buyer pays shipping. Nick Terrence, 12 Eleanor Place, Huntington, NY 11743. Phone (516) 951-5477.

International Band Loggings

Wallace C. Trelbel
35/ N E 149th Street
Seattle, WA 98150

- 5920 FRENCH GUIANA R France Int relay in FR 0420, ID, TC, news headlines (Vaghjee MAURITIUS)
- 5950 USA VOFC Taiwan relay by WYFR in EG 0200, anthem, ID, nx summary, g (McGuire MD 10/5)
- 5955 SOUTH AFRICA Chan Africa in EG 0354, nx re Burundi, ID, TC, sked, pop mx (Lamb NY 10/10)
- 5960 CANADA R Japan relay in EG 0105, political nx, N Korean spying (Newbury NE, McGuire MI)
- 5965 CANADA BBC relay in EG 1030, Beethoven "Composer of the Month", g (Fraser MA 9/9)
- 5970 SAOTOME VOA relay in PT 0444, country mx, ID, off 0500 w/ ID in EG (Vaghjee MAURITIUS)
- 59812 GUATEMALA "Union R" AWR in SP 0145, tlk re the heart, ID, hymn, f (Paszkievicz WI 9/12)
- 5985nf7 TANZANIA RT Gen Service in Vem 2102*, tlk, ID, dissonant anthem at s/off (Hill MA 9/30)
- 60181 PERU R Victoria in SP 0501, relig pgm, ID, f (GIB 9/22) in SP 0945, relig tlk, long fervent tlk re upcoming event at National Stadium in Lima, p, buried under R Nederland *1000 (Mohrman VT)
- 6025 DOMINICAN REPUBLIC R Amancer in SP 0150, relig pgm (Paszkievicz WI 9/12) in SP 0151, SP version of Beethoven's "Ode to Joy", relig tlk, Christian mx, ID, fqys (Lamb NY 10/14)
- 6030 USA R Marti beamed to Cuba in SP 0920, fiery orator, LA mx, bubble jammer (Newbury NE 9/11)
- 6035 SAOTOME VOA relay in EG 2200, ID, "Country Music USA", f (Lyon MN 9/6)
- 6090 BRAZIL R Bandeirantes in PT 0843, taped rpts, ad string, ID 0900, //11925 (Mohrman VT 9/21)
- 6100 NEW ZEALAND RNZi in EG 0915, relig pgm, feature on archeology (Fraser MA, Newbury NE)
- 6100 YUGOSLAVIA RY in langs 1659, ID, nx in Albanian 1708, in BG 1715 (Vaghjee MAURITIUS)
- 6110 GERMANY R Alpha & Omega in EG 1900-2000*, relig mx, sermon, tape offer, QTH Reykjavik, Iceland, Sun only, classical mx, weak sig (Alexander PA 9/22, Serra ITALY 9/1, Field MI 10/6)
- 6115 SWAZILAND TWR in PT/Vem 1943, relig pgm, QTH's, ID's, ex-6035? (Hill MA 9/27)
- 6120 GERMANY R Vilnius relay in EG 0033, continuing fear of Russian takeover, f (Pasquale PA 10/1)
- 6135 BOLIVIA R Santa Cruz in SP 1000, "Buenas dias Bolivia . . .", rustic vocals (D'Angelo PA 9/22)
- 6150 COSTA RICA AWR in SP 0200, tlk in SP, theme mx, //9725 (Paszkievicz WI 9/12)
- 6185 MEXICO R Educacion in SP 0613, ID, request reception rpts, ID's in EG & FR (GIB 9/22)
- 61999 COSTA RICA RFPI in SP 0000, all SP pgm, co-chan Prague 0100, //73847 (Alexander PA 9/27)
- 62037 PERU R Cusco in SP 0301*, tlk in SP, ID, LA mx, OA folk mx, NA, f (Alexander PA 9/27)
- 6205 SOUTH AFRICA R Democrat Intl relay in EG *2058-2200*, clandestine anti-Nigerian govt xmsn, ID/ TC at s/on, mx, tlks re liberation from dictatorship (D'Angelo PA 9/14, Montgomery PA 9/29)
- 6230 UZBEKISTAN R Tashkent in GM 1947, ID, tlks, M East vcls, //9540 but poorer (Hill MA 9/22)
- 6280v LEBANON V of Hope in FR/EG 1543, tlk, ID's, QTH, relig mx, sermon (Serra ITALY 9/9)
- 6290nf7 IRAQ Rep of Iraq R? in AR 1725, tlk, songs, cmntry, ID "Hazrat Iraq" (Vaghjee MAURITIUS 9/7)
- 63021v IRAQ V of the People of Kurdistan in lang 0236, M East mx, tlk, Koran, //41051, both clandestine stations, logged this fqy 9/7 but 6290 on 9/8 (Alexander PA)
- 6400v NORTH KOREA Pyongyang BC Station in KR 1201, long excited tlks in KR, g (Owsley CA 9/19)
- 64798 PERU R Altura in SP 0000-0452*, OA mx, jingles, tlks, echo anmcs, ID's, Andean vcls, earlier off on some days (Alexander PA 9/22, Hill MA 9/18, Bolland CA 9/22, D'Angelo PA 9/23)
- 65602 IRAQ Rep of Iraq R in Kurdish/AR 0158, NA, tlk, AR mx, Koran (Alexander PA, Hill MA 9/22)
- 6575 NORTH KOREA R Pyongyang in EG 1151, YL w/ID, sked, march mx, exc (Owsley CA 9/19)
- 67532v PERU R San Ignacio in SP 0258*, OA folk mx, ID's, tlks, NA (Alexander 9/22, Field MI 10/6)
- 68028 PERU Ondas del Rio Mayo in SP 0202*, tlk, OA mx, ID, NA (Alexander 9/22, Field MI 9/29)
- 6969usb SOMALIA R Mogadishu in lang 2035-2100*, exotic horn vocals, tlk, distorted phone-quality audio, military mx, s/off after anthem but no anmct preceding it, p (Hill MA 9/19, Berg MA)
- 7085 ERITREA Voice of the Broad Masses of Eritrea in lang *0325, guitar IS, ID, tlk (Alexander 9/14)
- 7110 ETHIOPIA R Ethiopia Gedja in Amharic *0328, IS s/on, tlks, local songs, f (GIB 9/22)
- 7110 SINGAPORE BBC relay in EG 2305, world nx, ID, pgm promos, g (Lyon MN 10/5)
- 7135 SINGAPORE BBC relay in EG 1200, tlk on collecting antiques, ID, exc (Owsley CA 9/18)
- 7155 SOUTH AFRICA Ch Africa in EG 1713, "Africa Alive", travel in S Africa (Vaghjee MAURITIUS)
- 7160 INDIA AIR Chennai in EG 1125, subcont mx w/sitar, tabla, tampura, ID, choppy sig (Hill MA 9/25)
- 7160 ALBANIA R Tirana in EG 0231, nx, cmntry on Albanian foreign policy, ID (Newbury NE 9/2)
- 7170 ALBANIA R Tirana in IT 1647, political cmntry re Kosovo, ID, mx breaks (Serra ITALY 9/6)
- 7175nf CHINA China R Int in EG 2200, anmcs, ID, nx, ex-9880, poss Russia relay? (Alexander PA 9/20)
- 71951 EQUATORIAL GUINEA R Africa in EG 2240, gospel pgm, //151858 stronger sig (Hill MA 9/29)
- 7200v SUDAN Rep of Sudan R in AR *0246, IS to 0300, NA, pips, ID, Koran, //9200 (Alexander 9/21)
- 7200 YUGOSLAVIA RTV Srbije HS in SB 1013, pop mx, IS, ID, nx, wx (Sera ITALY 9/16)
- 7210v BENIN ORTB Cotonou in FR 2304*, soft pop mx, ID, anmcs, orch NA, f (D'Angelo PA 9/16)
- 7215 THAILAND VOA relay in EG 1443, Jerry Molygan mx, editorial cmntry (Vaghjee MAURITIUS)
- 7215 IVORY COAST RTVI in FR 0002*, mixture of mx types, nx 2355, ID, NA (D'Angelo PA 9/16)
- 7215 in FR 2218, jazz festival (Lyon MN 9/26) in FR 0530, choral mx, tlk (Alexander PA 9/22)
- 7215 SOUTH AFRICA TWR relay in AR *2100, new service w/IS at s/on, QRM Abidjan (Hill MA 9/9)

- 7240 CAMEROON CRTV Garoua in Vern/FR *1950-2235*, abrupt s/on, nx in FR 2200 but mostly in Vern, exotic W African mx, several refs to Yaounde, nx7, QRM from co-chan Australia, s/off may run to 2250+ some days (Hill MA 9/21) in EG 2104, nx, clear ID, into FR (Ziołkowski NY 9/23)
- 7240 IRAN VOIRI in Serb/Croat *1730-1900*, apparent test xsmn in IT 1830, req rpts (Hill MA 9/18)
- 7290 SWEDEN R Sweden in EG 0130, IS, ID, fqys, sked, billboard, nx, g (McGuire MD 10/1)
- 7385v COSTA RICA RFPI in EG/SP 0009, "9th Anniversary Fiesta on the Air" (Weissborn TX 9/17)
- 7465 ISRAEL Kol Israel in EG 1900, pips, ID, TC, nx magazine, fqys, into FR 1930 (Serra ITALY 9/4)
- 75003nf ITALY R Internazionale in IT/EG 2013-2100*, experimental str7, potpourri of mx numbers, clear ID 2025 & 2053, E-mail QTH, spotty reception-fiddling w/xmtr? (Hill MA 9/15)
- 7515 ETHIOPIA V of the Tigray Revolution in lang 2023-2100*, unique Horn of Africa vcls, tlks in lang, abrupt s/off after song, no ancmt or anthem, //5500 slightly better sig (Hill MA 9/10)
- 7570 RUSSIA ABC Radio Denmark relay in EG 0817, pop mx, ID, fqys, QTH (Serra ITALY 9/8)
- 80001 ERITREA? V of Sudan in AR 0402, clandestine str w/tlks, ME mx, ID, //90253, also noted in AR 1916*, //90253, 12008 (Alexander 9/15 & 9/21, GIB 9/20) ED: PBWR lists Eritrea as xmtr but //s suggest Sudan as rptd by Alexander. GIB rpts ID as "Idhaat Saut il-Sudan"
- 9200nf SUDAN Rep of Sudan R in AR 2301*, AR tlk & mx, Koran, NA, //7200 (Alexander PA, Hill MA)
- 9370 GUAM AWR in CH/EG 2200*, relig mx segued til 2158, ID/ sked in EG at s/off (Hill MA 9/28)
- 9430 CZECH REPUBLIC R Prague in EG 2230, IS, ID, political & econ rpts, g (McGuire MD 10/8)
- 94601 TURKEY VoT in TK 1045, lcl songs, ancmts, TP 1100, ID, nx, //11955 (Serra ITALY 9/16)
- 9530 SOUTH AFRICA Chan Africa in EG 1643, sports rpt, fqys, interview, stock nx (Serra ITALY 9/17)
- 9540 SPAIN REE in EG 0011, rpts on Segovia puppet show, bird study in Majorca (Weissborn TX 9/9)
- 9548 BANGLADESH RB in EG 1259, Bengali mx, ID, f (GIB 9/20) in BN *1913, s/on with several repetitions of AIR-like IS featuring flute & subcont instrms, vcls by YL, //7185 (Hill MA 9/17)
- 9560 NORWAY R Denmark relay in EG 0242-0255*, ID, rpt on child porn, //7465 (Newbury NE 9/2)
- 9610nf IRAN VOIRI in Armenian/Serb/Croat 1726, yet another new fqy, //7240 (Hill MA 9/25)
- 9670 ITALY RAI Rome in EG 1945, nx item re electric cars manufactured in Turin (Fraser MA 9/12)
- 9750nf7 ANGOLA VORGAN in PT 0532, hilife mx, echo ID, not on listed 9755 (Hill MA 9/30)
- 97748nf7 BULGARIA R Varna in BG 2100, nx, three ID's 2112, strong but distorted sig (Hill MA 9/20)
- 9790 FRANCE RFI in FR 0430, nx to 0441, ID, "Dossier du Jour", sports nx (Vaghjee MAURITIUS)
- 9830 THAILAND RT in EG 1403, tlk on traveling in Thailand, ethnic mx, g (Lyon MN 10/5)
- 9830 SWEDEN R Sweden in EG 1333, lcl mx, "60 Degrees North", ID, //3740 (Serra ITALY 9/10)
- 9900 EGYPT R Cairo in EG 2330, "Our Social Life" - marriage customs in Egypt, f (Fraser MA 9/15)
- 9965 ARMENIA V of Armenia in EG 1930, delegation on Russ culture visits Yerevan (Pasquale PA 9/6)
- 10260 CHINA CNR-2 pgm CPBS Beijing in Mongolian 1456*, nx7, tlk, lcl pop mx (Serra ITALY 9/10)
- 11515 CHINA CRI Baoding in Persian 1526*, tlks, ID7, IS, ethnic mx, //9440 (Serra ITALY, Lyon MN)
- 11615 SWEDEN R Sweden in EG 1844, tlk on use of guns by SW police officers (Levison PA 9/3)
- 11705 CANADA R Japan relay in EG 1410, tlk re China/Taiwan/Japan rights to islands (Newbury NE)
- 11900 KAZAKHSTAN Golos Rossii relay in RS 1545, tlks, IS, ID, Moscow IS 1558, g (Lyon MN 10/5)
- 11975 SAO TOME VOA relay in EG 1944, Afro mx w/Rita Rochelle, //15580, f (Newbury NE 9/29)
- 12060nf7 RUSSIA V of the Mediterranean relay in EG *1859, chimes IS, nx re Malta, lcl pops/folk mx, f-p, //9765 (Alexander PA 9/14) in AR 2016, tlk AR songs, feature, ID7, //9765 (Serra ITALY 9/6)
- 12085v MONGOLIA R Ulan Bator in EG 1230, IS, nx, econ tlk, haunting vocal mx, f (Lyon MN 9/5)
- 13610 SYRIA R Damascus in EG 2005, nx, AR song, ID, "News and Views", f (Vaghjee MAURITIUS)
- 13635 SWITZERLAND SRI in AR 1935, AR mx, M East headlines, pop mx, ID, fqys, IS (Lyon MN 10/5) in EG 1508, cmntry on Swiss banks, prices of beef, sports results, exc (Hill MA 9/22)
- 13710nf INDIA AIR GOS in EG 1430, "Human Interest Stories", ID, ex-137507 (Levison PA 9/26)
- 152445nf7 ZAIRE LV du Zaire in FR 1742, OM in African-accented FR past 1800, brief drum interludes, no break at top of hr (Hill MA 10/7) in FR7 1650 w/Afr mx, severe QRM, weak sig (Berg MA 10/5)
- 15265 BRAZIL R Nac do Brasil in EG 1835, rpt on surge in BR econ, buying more toys (Fraser MA 9/12)
- 15295 UZBEKISTAN R Tashkent in EG 1159, IS, ID, fqys, class mx, lcl nx, promo (Serra ITALY 9/17)
- 15340 NORWAY RNI in EG 1312, rpt on lack of ethnics & morals in Nordic countries (Fraser MA 9/8)
- 15395 UNITED ARAB EMIRATES R Dubai in EG 1636, nx, wx, ID, into AR pgm 1640 (Serra ITALY)
- 15400 FINLAND YLE R Finland in EG 1230, ID, fqys, sked, wx rpt, billboard, nx, g (McGuire MD 9/26)
- 155658 PAKISTAN R Pakistan in Burmese 0709-0800*, lcl chants w/instrum mx, ID7, classical mx, nx, cmntry?, ments Pakistan, NA at s/off (Serra ITALY 9/1) ED: Good staying power, Giovanni!
- 15630nf GERMANY MidWest R Ireland relay in EG 1345-1616, xsmn came up suddenly w/o any ancmts, canned ads, then soccer for a couple hours, many acknowledgments to SWL around the world, ID, g (Bolland FL 9/29) in EG 1412-1440, spec best of All-Ireland finals, g (D'Angelo PA 9/15)
- 17780 ITALY RAI Rome in IT 1400, live coverage of futbol match-Venona vs Bologna (Fraser MA 9/8)
- 17900 PAKISTAN R Pakistan in EG 0802, nx, sports info, vcls, ancmt in Urdu?, //15470 (Serra ITALY)

What this month's loggings lack in quantity is made up in quality. However, I am still receiving many reports with next to nothing in the way of program details. Some simply say "nx, mx" or worse only "nx". There are too many quality reports to include such loggings so I again beat the drum for more program details in order to make the logging reports most meaningful to others.

Out here on the Pacific Coast, it is still a rare day when we can hear European and African stations and you have to get up early in the morning to catch the Far Eastern stuff. I hope I live long enough to see the propagation ceiling get back to the higher frequencies. Then, I suppose I'll be getting cranky over the flood of reports I'll have to sift through. It'll be worth it though. My best to all.

Ye Olde Editor

LUDO MAES
P.O. BOX 1
2310 RIJKEVORSEL
BELGIUM



TELEPHONE
+32 3 314 78 00
TELEFAX
+32 3 314 12 12

PRESS RELEASE TDP SW-96 TRANSMITTER DOCUMENTATION PROJECT

May 15, 1996.

For the third year now, detailed information is available about transmitters used by shortwave radio stations around the world.

TDP SW-96 -- the "Transmitter Documentation Project" -- has just come off the press in its third edition. TDP is the result of more than 10 years of research by Belgian DXer Ludo Maes, with the cooperation of well-known radio personalities, international organizations, publications, DX clubs and programmes, transmitter manufacturers and the radio stations themselves.

TDP has been expanded by 8 pages to a 68-page booklet listing shortwave broadcast transmitters worldwide, arranged by country. Each listing indicates the name of the station, transmitter site and geographical coordinates. It also shows the number of transmitters at the site, their power, manufacturer, type number and year of installation. This year, a lot of historical information including the first shortwave broadcast transmitters has been added thanks to historical research and a number of dedicated and specialised contributors (for example, Mr. Sydney Newman, the pioneer in Australia in the field of shortwave broadcasting and now 98 years old, is one of them).

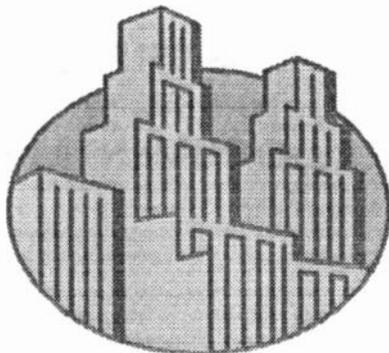
This informative publication also contains a list of shortwave transmitter manufacturers and their headquarters, plus statistical breakdowns of the number of shortwave transmitters in use around the world, grouped by power level, country and manufacturer. Articles about the history of 2 transmitter manufacturers conclude the booklet.

TDP is read year after year by radio stations, transmitter manufacturers, radio consultants and engineers, as well as by the dedicated radio hobbyist. Although TDP SW-96 has grown by a number of pages again this year, the price is still only 5 GB £, 6 IRC's, 7 US \$, 10 AUS \$, 10 CAN \$, 10 DM, 30 FIM, 35 FRF, 40 DKK, 45 NOK, 45 SEK, 200 YEN ¥, 850 ESB or 11000 IFL, including worldwide delivery (no cheques or credit cards please).

Send for your copy today, to:

Ludo Maes
P.O. Box 1
2310 Rijkevorsel
BELGIUM

ORCHID CITY SOFTWARE



VOYAGEUR V1.1 for DOS

The newest database suite from Orchid City Software has just been completed. It is the Voyager v1.1 Radio Database for DOS. The Voyager v1.1 is a comprehensive suite of database programs for Broadcasting Radio Station's information geared towards the Radio DXer and Listener. The program includes the following database programs:

- ◊ RADIO STATION DATABASE - More than 10,000 records of Radio Station schedules and frequencies plus more.
- ◊ UTILITY LOG WRITING - A program for writing log reports and printing in a number of different formats. Type it once and print multi formats.
- ◊ RADIO STATION ADDRESS - Thousands of Radio Station's Addresses and other pertinent station information. Prints mailing labels. Save time and let the program print your report addresses on a mailing label. Each record's address can be printed individually or all.
- ◊ RADIO STATION SLOGANS - Never miss an station's ID because you don't know what to expect. This database has hundreds of station slogans in Spanish, English, Indonesian, French, Portuguese and more.
- ◊ RADIO STATION DX/SWL PROGRAMS GUIDE - You want to know what's going on in the DX/SWL world? Here's a list of DX/SWL program schedules. Find any program by the day of the week, time of day, station etc.

Each of the database programs in the suite is easy to use with extensive sorting plans. The Voyager v1.1 is completely read/write and can be updated, changed or data added. Each database contains thousands of records already. To receive your copy send \$29.95 ppd to

ORCHID CITY SOFTWARE
P.O. BOX 18402
WEST PALM BEACH, FL 33416

IBM Compatible, 3.5 hd diskettes unless otherwise specified. U.S. Funds Only. Overseas orders add \$10.00 for additional Postage. Needs 14 meg on the Hard Drive.

Attention Radio Collectors!



RADIO RECEPTION: CHANCE OR CHOICE

by Chuck Dachis

Covers every known Hallicrafters model and accessory. A comprehensive history of the company is provided, repair methods are discussed, and all the units are pictured and listed in almost 700 photographs. Technical specifications are provided in detail for each model, along with dates of production, customer options, color and design variations, tube types and more. Absolutely indispensable for the Hallicrafters collector. A current price guide is included. 224 pp.

Order # S14401 GILFER PRICE: \$29.95

THE ZENITH TRANSOCEANIC

by John H. Bryant and Harold N. Cones

With access to the Zenith corporate archives and their long experience as radio enthusiasts and writers for both the popular and scholarly press, "The Radio Professors" Bryant and Cone present the fascinating stories of the development and use of the Trans-Oceanic throughout its forty year life. A wealth of never before published photographs, documents, and information concerning these fascinating radios, their collection, preservation, and restoration. 160 pp.

Order # S14400 GILFER PRICE: \$24.95



RADIO RECEIVER: CHANCE OR CHOICE

MORE RADIO RECEIVER: CHANCE OR CHOICE

by Rainer Lichte

A two-book set covering all of the great receivers from the 1970s and 1980s. Book one reviews 75 receivers from the past 20 years, including the classics: Yaesu FRG-7, JRC NRD-505 and NRD-515, Drake SW4 and R7, and more. Book two covers later receivers like the Kenwood R-5000 and JRC NRD-525.

Order # G01402 GILFER PRICE: \$12.95/pair

Special offer for NASWA members: Order the Hallicrafters and Zenith books together and receive both Chance or Choice books FREE!



S H O R T W A V E

52 Park Avenue • Park Ridge, New Jersey 07656



ORDER TOLL-FREE

1-800-GILFER-1

(In NJ 201-391-7887)



New Gilfer Internet Addresses:
E-Mail: info@gilfer.com • Web: <http://www.gilfer.com>

North American Shortwave Association
45 Wildflower Road
Levittown, Pennsylvania 19057

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

FIRST CLASS MAIL

Expiration Date 11
Fred McCormack
Box 65666
St. Paul, MN 55165-0666



The Journal of the
North American Shortwave Association

ISSN 0160-1989

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,
128 Greenoak Blvd., Middletown, NJ 07748
Shortwave Center: Hans Johnson, 8121 S.
Poplar 204D, Englewood, CO 80112
Easy Listening: Richard Cuff, 1016 Chestnut
Ridge Drive, Timonium, MD 21093-1716
NASWA Portraits: Jerry Klinck, 43 Lein Road,
West Seneca, NY 14224
Listener's Notebook: Al Quaglieri, P.O. Box
888, Albany, NY 12201-0888; Chris Lobdell, P.O.
Box 146, Stoneham, MA 02180-0146
Technical Topics: Joe Buch, N2JB, P.O. Box
1552, Ocean View, DE 19970-1552
QSL Report: Sam Barto, 47 Prospect Place,
Bristol, CT 06010
Distributing Editor: Fred S. Kohlbrenner, 2641
S. Shields St., Philadelphia, PA 19142
Tropical Band Loggings: Sheryl Paszkiewicz,
P.O. Box 152, Manitowoc, WI 54221-0152
International Band Loggings: Wallace C.
Treibel, 357 N.E. 149th St., Seattle, WA 98155

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; Al Quaglieri,
P.O. Box 888, Albany, NY 12201-0888
Equipment Reviews: Alan Johnson, N4LUS
2490 Sharon Way, Reno, NV 89509
The Company Store: Kris Field, 705 Gregory
Dr., Horsham, PA 19044
MEMBERSHIP FEES:
United States (First Class Mail) \$26.00
Canada & Mexico (First Class Mail) \$27.00
Overseas (ISAL Mail):
 Central & South America and Europe \$29.00
 Asia, Africa and Pacific \$32.00
Overseas (Air Mail):
 Central & South America and Europe \$36.00
 Asia, Africa and Pacific \$42.00

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

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



NASWA <http://www.mcs.com/~ralph/html/naswa/>