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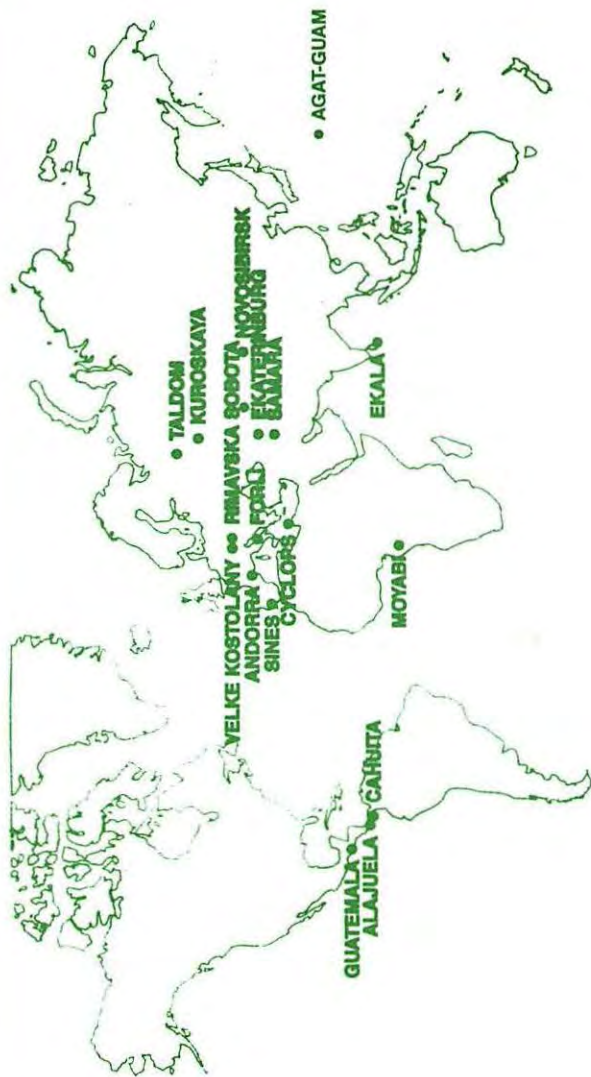
the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

VOLUME XXXVII NUMBER 6

JUNE 1997

ADVENTIST WORLD RADIO Transmitter Sites – Past & Present



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Circuit Type Dual Conv. Superhet
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Shortwave Receivers Past & Present

Communications Receivers 1945-1996



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- Printed Jan. 97
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- 400 Variants
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Chapter Titles:

Introduction: Buying A Used Receiver. Using This Book. More Information, Repair & Restoration. Allied, Ameco, AOR, Bearcat, Bharat Electronics, Cardwell, Collins, ComFocus, CPC, Cubic, Dansk Radio, Davco, Debeg, Drake, Eddystone, Eta, Eska, Galaxy, General Dynamics, Gonset, Hallicrafters, Hammarlund, Harvey-Wells, Heathkit, Icom, J.R.C., Kenwood-Tru, Knight Kit, Lafayette, Lowe, LTV Temco, Mackay, Marconi, McKay Dymek, Midland, Morrow, Mosley, Multi-Elimac, National, Norlin, Panasonic, PhaseTrack, Pierson-Holt, Plessey, Quality U.S. Tech., Rascal, R.C.A., Raytheon, Realistic, Reddon, RF Communications, RFT, RME, Rohde&Schwarz, Rosetta Labs, Sears, Siemens, Skanti, Sony, Squires-Sanders, Standard, Sunair, Swan, Taiyo, Technical Material, Telefunken, TEN-TEC, Thomson-CSF, Transworld, Videofon-Mechlabor, Vigilant, Watkins-Johnson, Yaesu, Briefly Mentioned and Receivers That Never Were

JRC

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NRD-345



Famous for its top-gun receivers, Japan Radio Company once again pioneers with a brand new model at a surprisingly affordable price. This incredibly attractive and compact radio delivers hour-after-hour of listening pleasure with high dynamic range and synchronous AM detection to help tame fading. Dual IF filters (6/2 kHz) are supplied, with a third optional position available. Tuning the radio is smooth as silk via the large indented main tuning knob. The easy-to-read LCD type display shows you the precise frequency to 10 Hz! The variable Noise Blanking is effective against pulse and ignition interference. The sophisticated memory system stores 100 channels with frequency, mode, AGC, attenuator, VFO, bandwidth and NB status parameters all stored. Both memory and frequency scanning are supported. The Clock-Timer function enables the radio to turn on and off at a specific time and the clock can be set for UTC or local time. The Tone Control, AGC and 20 dB Attenuator let you refine the signal to your personal taste. Other refinements include an analog S-Meter, Tilt-Bar, Up/Down Tuning buttons, Dual VFOs and Dial Lock. Rear panel jacks include: External Speaker, Record Jack, FAX/RTTY Line Out and DB-25 RS-232C port. Switch selectable dual antenna inputs are featured to support both wire-type or coaxial-type lead ins. A built-in RS-232C port facilitates connecting a personal computer (4800 baud, 1 start bit, 8 data bits, no parity, 1 stop bit). Exact price is unknown at press time, but is expected to be under \$1000.

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COMMUNICATIONS CATALOG

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

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Recently, **Harold Cones**, Chairman of the Administrative Committee of the North American DX Championships, announced the results of this year's contest. First place went to **Benton Owsley** of Ventura, CA with 949 points (294 stations in 125 countries); second place went to **Ed Rausch** with 653 points with **Bill Breeden** finishing in third place with 616 points. Congratulations to Benton!!! Also, nice work Ed and Bill for your fine showings in this year's NADXC. All awards and certificates are in the mail. Once again, thanks to Harold and his committee for another excellent and challenging event. Watch the pages of the Journal and the Calendar of Events for news and information about the 1998 North American DX Championships.

The May edition of the Journal was a little different. Due to the wealth of information contained in the *English Schedules* and *Listeners' Notebook* columns, a number of regular features had to be held back. All material held back last month will eventually appear in the bulletin. Also, I neglected to welcome **Mark Fine**, the new editor of our *English Schedules* column, to the editorial staff. His first column appeared in last month's Journal. Mark replaces a "retiring" **Tom Sundstrom** who prepared that column for many years.

Last month I mentioned that **Bill Oliver** had a new e-mail address <boliver@philly.infi.net> and he was looking forward to hearing from his fan club. Well, I neglected to mention that his other address <naswal@aol.com> is still active. Now you have two electronic ways to reach our publisher! Also, I understand the US Post Office still delivers mail "the old fashion way" to our headquarters address.

ANARC SWL Ham Net

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

Each year at the Winter SWL Festival a silent auction is held with the proceeds going to help struggling folks in Africa through the Christian Blind Mission International. Long time club member, **Rev. John Eckert** takes care of the arrangements. Alan Harkey, from the Mission, sent a nice thank you letter recently thanking all that made the donation possible. THANKS to all of you that participated in the auction!

The DX season is winding down. There is still some good stuff to hear on the bands during the summer months. Remember to listen and report. Thanks to the effort of our membership, Harold's hearty band of editors, Ralph's design work, and Bill's publishing talents, the Journal continues to be THE source for shortwave broadcast news and information.

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



Our Motto is - "Unity and Friendship"

Calendar Of Events

- Jun'97 Convention.** The 31st Annual **European DX Council ("EDXC") Conference** will be held on 6-9 June 1997 at the Hotel Lazne in the eastern part of the Czech Republic. It will be organized by the Czechoslovakian DX Club. Information can be obtained from Jaroslav Bohac, Jizerska 2900/11, 400 11 Usti n. L., Czech Republic; FAX +42 47 5211819, e-mail: khonzik@bbs.infima.cz.
- Jun 20 Meeting. Philadelphia Area NASWA Chapter.** Kulpville Holiday Inn, Kulpville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Jun 20 Meeting. Boston Area NASWA Chapter.** The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: 74007.3434@compuserve.com. Check the BADX Web Page: <http://www.grove.net/~badx/>.
- Jun 21 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.
- Jul 13 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
- Jul'97 Convention. IRCA Convention** will be held in Costa Mesa, CA on July 25-27 at the Holiday Inn Bristol Plaza. Registration is \$35.00 which includes the banquet. Contact Mike Sanburn, P. O. Box 1256, Bellflower, CA 90707.
- Aug'97 Convention. WTFDA Convention** has been tentatively set for August 1-3. Convention host John Broomhall is exploring two sites: North Georgia mountains (about 75 miles from Atlanta) and in or near Metropolitan Atlanta. Activities include station tours, amateur TV demonstration, FCC Regional Field Office visit, guest speaker(s) and informal Q&A panel discussion. Further details when received.
- Aug'97 Convention.** The annual DX summer meeting of the **Finnish DX Association** will be held in Oulu, in Northern Finland. The meeting is being arranged by DX-Club of Oulu, a local branch of FDXA, on 1-3 August 1997. Further information is available from Ari Kilponen, Annantie 7 G, FIN-90560, Oulu, Finland or e-mail: ark@pp.netpl.fi
- Aug'97 Convention. NRC Convention** will be held Labor Day Weekend (Aug. 29-Sep. 1) in Delaware. Further details and information will appear when received.
- Oct'97 Contest. 1997 Adventist World Radio Contest.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1997 AWR Contest, c/o Dr. Adrian Peterson, Box 29235, Indianapolis, IN 46229.
- Feb'98 Convention. New Zealand Radio DX League** will hold its 50th anniversary convention sometime in February 1998. Exact dates and venue have not been established. Information from NRZDXL, P.O. Box 2956, Wellington, New Zealand. Further details and information will appear when received.
- Mar'98 Contest. 1998 North American DX Championships.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1998 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.
- Mar'98 Convention. The 11th Annual Winter SWL Festival** will be held at the Kulpville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 13-15 March 1997. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts about 200 hobbyists each year.

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

Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are 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

We'll begin this month's collection of Musings with those items squeezed out of last month's Journal:

Eric Bueneman (N0UIH), 631 Coachway Lane, Hazelwood, MO 63042-1347 (E-mail: EricB631@juno.com)

At a hamfest on January 27, I managed to purchase an MFJ-1778 G5RV antenna. Although a G5RV antenna is designed for HF Amateur Radio operation, I wondered how such an antenna would do in an SWBC setting. So, I plunked down my \$27, and bought the antenna.

With the antenna still rolled up, I was able to pull in Radio Quito from Ecuador on 4919 kHz at near-local strength. I put up the antenna in the attic of my house a week later, and was virtually amazed at the performance of the antenna, as compared to the homebrew antenna (made of, strangely enough, a metal coathanger and speaker wire) I had been using since late 1991. For instance, tropical band stations were coming in much better and with more frequency. For example, GBC from Guyana on 3290, which had been barely heard on the homebrew antenna, had a fair signal with the G5RV. The best Radio Australia frequencies in the wee hours of the morning local time (after 0800 UTC), 9580 and 9860, were blasting in like locals. I was able to hear a lot of AM (MW) broadcast band DX on the new antenna, and heard LW beacons as low as 300 kHz with it, too. I noted local signals from the "LM" beacon on 338 kHz from St. Charles, MO and the "ST" beacon on 404 kHz from Cahokia, IL.

The new antenna has allowed another new interest...DXing pirates! The first pirate I heard was "Up Your Radio Shortwave" at 0205 UTC on March 16, heard on 6955 kHz USB. I've also heard "WARR" and Kiwi Radio, among others. I had not heard a pirate station on SW in fifteen years of Dxing prior to the abovementioned date.

73, Eric-N0UIH

Errol Urbelis, 563 Meadow Road, Kings Park, NY 11754-5009

After looking over my QSL collection many times, I always stop and look at the KJES QSL card from the Lords Ranch in Mesquite, New Mexico. You know the station, the one with the kids doing the Bible programs. The last QSL from them was on a 3 x 5 index card; boy does that stand out.

I was wondering (about 500 times), wouldn't it be nice as a courtesy gesture to have a QSL card printed up for them. I really think it would be a good will endeavor on NASWA's part being a major shortwave club worldwide.

I have spoken to several DX'ers at the Winter SWL Festival who agree with my opinion about spreading friendship as well as the good name of NASWA. I had a nice chat with Bill Plum, our ace mint stamp guy who also does some QSL card printing, who wouldn't mind doing the job at a reasonable rate. We all know what a great job he does with the FEST pennants in years gone by. Hope we can get the ball rolling on this project as I am sure it will turn out for the best.

73s, Errol

John T. Wagner, retired! < WAGNERND@AOL.COM >

Sub: SWL Mobileering

Rich, I just finished reading Alan Johnson's very accurate review of the new AKD HF-3 Portable receiver (I believe the Lowe SRX-100 to be the very same receiver). If I might I would like to add a few comments pertaining to Alan's excellent reviews & the help Alan and the entire Journal staff has been to me & my little corner of the hobby. First I would like to add that the big benefit to me for lending Alan a steady flow of new Giz Mo's for use in the Journal is a very big help to me and worth what little I have invested in postage expenses from sending Alan some of my fun hobby things. I am very well repaid by being able to read Alan's & Joe Bush's equipment reviews & tec. articles.

I am not a newbie anymore I guess, but I sure gain a lot of hobby knowledge with every edition of the Journal. I have the luxury of being retired with plenty of time to play "Radio". I am continually amazed as to how the whole Journal staff are able to work full time, write articles that really add to my hobby fun & yet still have time to do some tuning on their own. My hat is off for the entire staff & even those club members who send in their logs. Reading the equipment lists as used by the contributors is very educational as well. Good job & thanks to you all!

Back to the AKD HF3 for a moment. I have fun working with new SWL'ers. One of the most common hobbyist complaints that I hear is "I don't have enough time to tune"! How true that lament is! Hearing that as many times as I have motivated me some 8 months ago to spend some of my lucky leisure time trying to develop a useable mobile SWL system. Anyone who has ever climbed into a car with a portable hoping to steal a few extra minutes of SW listening has full knowledge as to what an amplified alternator sounds like! Until recently that was my experience.

I have been trying a lot of various portable receivers & by sheer luck, & the process of elimination, have stumbled onto a very workable mobileering method. There are a few other SW portables that also work rather quietly in the mobile environment. I have a good list for later sharing if anyone is interested. Finding a very good mobile portable such as the AKD HF3 was not the biggest challenge. To cut to the chase, the antenna was! I sure tried a lot of commonly advertised mobile antennas. Expensive ones also. I have to pat that Palomar Super Snooper on the back. Yes, I know that others have their own private & favorite mobile antennas. But, that Sooper Snooper by Palomar is a very fine mobile antenna clear across the entire SWL range, including ssb on the Ham Bands! The cost is right also. As I recall the Sooper Snooper was only \$40, very reasonable if you've checked the price of mobile antennas lately! It is also a very good base antenna for YB 400's, San. 909's ect.

The use of that antenna is not relegated to a Radio Shack window mount either. I also use a trunk mount and an adapter for very stable & full general coverage SW mobile coverage! That Sooper Snooper is a very good investment, mobile or base! Again, I whole heartedly agree with Alan's review. But for a very good & a very reasonable SWL mobileering ride that pair does do a very commendable job. No regrouping of my antenna mobile either!

Thanks very much to Alan & the whole Journal staff. The entire hobby is the better on account of you good people! 73

N4M6b

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

And now the lighter side of shortwave radio comes the following from Paul McDonough and the BAD guys. The only thing you need to know before reading the posting is that the BAD Guys meet at a health club. Hopefully, the rest is self-explanatory. —RAD

Paul V. McDonough <pmcdonou@world.std.com>, Somerville, MA

Subject: Rules For Next BADX Meeting

Hi folks,

Seeing as how out-of-control the last meeting was, I propose a new set of meeting rules based on the last meeting.

- ƒ No more belly-dancers during the meeting. It really throws peoples' concentration off. The clinking of the castanets makes it hard to hear the DX tapes.
 - ƒ Wait to tap the keg until AFTER the meeting. I didn't like it when I came back and found someone had put the keg hose into my R8. I came back from the break and there was beer shooting out of my S-meter. I hate it when that happens.
 - ƒ No more belly flops from the window into the pool during the meeting. I think we scared some of the pool occupants.
 - ƒ No more playing tape recordings under water in the pool. Although I appreciated listening to what an auroral trans-polar signal sounds like with all the fluttering and stuff, I think we scared health club members.
 - ƒ Fist fights will only be allowed in the parking lot after the meeting. (Come on guys, the R8A isn't THAT much better than the R8.)
 - ƒ I don't think the health club appreciated us hooking up the Baygen wind-up radio to the Stairmaster and making that innocent woman generate electricity for our radio.
 - ƒ The sauna is downstairs. I don't think it was funny cranking up the temperature to 90+ degrees and breaking the thermostat. I knew things were bad when the health club started distributing towels to our group.
 - ƒ Just as dwarf-tossing is bad, so is tube-rig-tossing. When I missed catching the Hallicrafters and it went through the wall, I don't think I should have been blamed for the damage. (I hope the meditation group next door recovered from the intrusion. Too bad about the acupuncture guy though. Do we have insurance?)
 - ƒ Pizza is not a toy. Throwing the slices at the ceiling and making them stick really isn't funny. I hope they don't fall down during an important health club meeting or something.
 - ƒ Sticking the new member into the VCR probably wasn't our best moment. We should work on our greeting skills. (Making him sniff the white-board markers during the whole meeting probably wasn't a good idea either. I'll make it an action item for the next meeting.)
 - ƒ Calling Port Moresby from the health club phone to ask if they have Prince Albert in a can at the radio station was not a good idea. But that's just my opinion.
- Anyway, I hope the next meeting is better than the last one.

Enjoy, Paul

P.S. For the humor-impaired, all of the above is a joke. Only 8 people showed but we still had a good meeting. Since so few showed, I thought it would be funny to make up some outrageous things that happened. Now get back to your SW radio!

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.

And now, on to the new Musings...

John Lyon, 2346 Dorothy Avenue, White Bear Lake, MN 55110

You just never know when you'll hear a rare one, or end up Dxing the darndest places. I was minding my own business, attending the 15th annual Minneapolis/St. Paul International Film Festival last week. I've occasionally seen a glimpse of a radio tower in the Third World films I prefer, but this time DX fell right into my lap. After seeing a Tunisian feminist film (no, that's not a misprint), a weird Welsh murder mystery, and a Cuban slapstick road movie, for a break the next film I chose was billed as a kind of environmental documentary. The Swedish film, *The Atlantic* (1996, 80 minutes, English subtitles), was said by its producer-director-cinematographer to be "about islands in the Atlantic." It turned out to be one person's idiosyncratic watery road movie down the Atlantic Ocean from north to south.

Interspersed with long, loving shots of the sea in different moods and lighting, were stops at Iceland, the Azores, and Cape Verde. Then to my surprise, the narrator announced that we were approaching St. Helena. The film cut to a quick shot of St. Helena's broadcast facility building with identifying sign out front. It looked similar to any small town station in this country. Then the film's director utilized a neat trick to emphasize St. Helena's isolation in the South Atlantic. Street scenes of downtown Jamestown were shown like any travelogue, but the audio track was a news broadcast from Radio St. Helena. A young lady with a lovely, winsome, British accent is saying that one of the ships, which call six times a year on the trip from the U.K. to South Africa, has arrived. She is quite specific about the details, saying how many people arrived, the nature of the cargo, and even how many sacks of incoming mail. Passengers sailing the next day are told when and where to have their luggage ready. The broadcast continues with a shot of another announcer reading local want ads and advertisements, including pet health remedies. There is even a clear ID.

I missed this year's fall broadcast of St. Helena, and here it was loud and clear. And me without a log sheet or even a tape recorder. The signal strength was S9+40, and best of all no subtitles in this segment. When I got home, I didn't say anything to my wife. She'd never believe I was Dxing, along with several hundred strangers on a Sunday afternoon, in a dark theater. And I'll have to admit as Dxpeditons go, this one was decidedly unusual.

FRENDX: Twenty Five Years Ago....

Renewing members included Ralph Perry and Ed Kusalik (4th year), Chris Lobdell (5th year), Edward Shaw (6th year), and Edward Pyatt (7th year). Awards Chairman Warren Nordgren issued the Continental Dxpert award to Al Sizer; Ron Howard received the WorldWide Dixer and Missionary Station awards. Corresponding Secretary Ed Shaw began editing a new column, called Mail Call, dealing with mail from members. In the Shortwave Center, John McNeil of Radio Vila in the New Hebrides provides an inside letter to Ralph Perry and NASWA; Don Jensen writes about his first station heard 25 years ago, HCJB. In the Open Mike column, Perry Ferrell talks about improvements to the Barlow XCR-30. A QSL from the Pathet Lao Clandestine highlighted Gregg Calkin's QSL Report column. Frendx Fotos featured Russell Lay, Dan Henderson, and Tom Gavaras.

George Maroti <curious.george@worldnet.att.net>

First, let me say that I'm very glad that I joined NASWA last October. I find the Journal very helpful in logging and verifying new countries. Also, the spirit of dedication of the editors and contributors every month has also inspired me to try to contribute to each issue. The way I see it, the quality of the Journal each month depends directly on everyone's input.

I was fortunate to pick up back issues (1989-1996 complete) of the Journal at the Kulpville silent auction. In one issue, there was an announcement for a New York metro area SWL meeting.

Does a New York metro area chapter of NASWA exist? If so, please give me the name and address of someone I can contact. If not, could you please provide me with a list of all NASWA members in the New York metro area (NYC, Westchester & Putnam counties, Long Island, northern New Jersey and Connecticut)?

I'm very interested in starting a New York chapter of NASWA. I find it very hard to believe that in such a large metropolitan area such an organization does not already exist. Have others tried and failed? If so, I'd like to be able to contact them to find out why/where things went wrong.

Any advice you might have on starting a NASWA chapter will be appreciated.

I really enjoyed many of the columns from the past Journals, such as DX'ers Forum, and the African/Asian/Latin Destinations columns. Is there any chance these columns will appear once again with new or updated topics? I'm sure the answer depends on someone taking the time to write these columns, but in case you wanted ideas, I thought a revival of these columns would be a great addition to the Journal.

Thanks in advance for your help. If I should be directing these questions to someone else, please let me know.

Keep up the good work! George Maroti

Welcome to the following new NASWA members

George A. Armanini, Mountain View, CA	Greg Harris, Park Forest, IL
John T. Arthur, Belfast, NY	Alan Kaminsky, Rochester, NY
Brian Berkes, Cherry Hill, NJ	Frank F. King, Hannibal, NV
Gene G. Buchell, La Crosse, WI	R. Maurice Myers, Elizabethtown, KY
Alez Calabrese, Buena, NJ	Denton Neisler, Bruce, WI
Charlie Carter, Huntingburg, IN	Andre Paradis, Noranda, Quebec,
Mr. Dick Caviezel, Sumner, WA	CANADA
David Chambers, Springfield, MA	Gary Readore, Houston, TX
Daniel Dresser, Palm Desert, CA	Giovanni Ricci, New Hampton, NH
Roger L. Druck, Covington, KY	Joseph Clark Roszell, Wyoming, MI
Seymour W. Duncan KD6HKO, Santa	Michael P. Shurow, Perkasio, PA
Barbara, CA	Tom Trent, Durham, NC
Kim Elliott, Arlington, VA	Earl Tunnell, Lampe, MO
Mike Erkenbrack, Wadena, MI	Robert D. Wells, Peshigo, WI
Michael Harla, Vineland, NJ	Larry E. Zefers, Denver, CO

Errol Urbelis, 563 Meadow Road, Kings Park, NY 11754-5009

I have been a DX'er since 1957 and have been a member of many SW clubs. I joined NASWA back in 1963 and then after a few years hiatus rejoined again in 1970. Really enjoy the club (the best for SWBC). I do a lot of DX'ing and of course slack off during the summer and join in on the cruise night scene with my Z-28 Camaro. I have two great hobbies, SW radio most of the year and hot rods during the summer months. After 40 years of DX'ing I have a few comments.

I personally don't enjoy receiving picture postcard QSL cards without any kind of identification on the front so I know who it is. I have a good memory but not that good for 40 years of DX'ing.

Also, why does the VOA issue those rather large QSL cards when it takes up almost a whole page in my QSL album. Miss the old standard size cards from the 50-90's.

What ever happened to "Radio Africa" from Equatorial Guinea on 15,186 kcs? I have not heard them since Oct. 29, 1996 and I listen daily for them. I did call "Pan Am Broadcasting" in Cupertino, California (1-800-726-2620), who runs the station. I talked to Terry Kramer (YL) who assured me they were still broadcasting. Maybe she is right, but that's sure a lot of days I haven't heard them.

OK here's a winner. I noted that some DX'ers have a hard time getting QSL cards from some stations. What I want to know is what is the procedure for sending reports to Embassies? Any help on this matter is most welcomed.

Fellow Long Island DX'er Nick Terrence in Huntington and I would like to be able to contact other Long Island SWLs. I know there are other guys out there because I see their names listed in the new members section. I have tried since 1970 by putting ads in NASWA but no one calls. I see there are members getting together in PA, Boston, and DXpeditions all with great success. My phone number is 516-269-5913. I'll be waiting for your call.

I have gone to the last 4 FESTs and even won an MJF clock this year. I sure hope to meet you all again in 1998.

Mindy Scheer <Mscheer@worldnet.att.net>

I have always enjoyed doing business with Gilfer in the past, but unfortunately I seemed to have been taken on a subscription to a yearly shortwave journal that I subscribed to. I called the toll free number several times and there was no answer, I sent e-mail and never got a response.

I spoke to a woman who answered the phone back in February who was aware of my problem. You would think they would have the decency to give a refund for the unshipped copies before going out of business.

Mindy

Gary Otteson <otteson@pobox.upenn.edu>

Mark Fine's email address is indecipherable in my May '97 copy of the Journal, so I thought I would write here to express my approval of his new English Schedules. It's a very nice job once you get used to the new format. Very thorough and accurate, with not a few pleasant surprises.

Thanks, Gary Otteson

Easy Listening

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

We have lots to report on this month, so let's get to it!

Lost Our Lease!

A major world event takes place at midnight on June 30—the handover of Hong Kong to China, as Britain's 99 year lease on the territory expires. **China Radio International** will air a special program on the event on July 1 in all its broadcasts. **Radio Australia**, **Radio Japan** and the **Voice of Free China** will likely have extensive reports and special programming, as well, in the days surrounding the handover. Consult Mark Fine's *English Schedules* section of May's *Journal* for times and frequencies of their transmissions.

The **BBC** will have extensive coverage, as well as several special programs, leading up to the event. In addition to programs listed in the *BBCWS Highlights* section below, listen for daily reports from Hong Kong in the week prior and three days after the handover in *Newshour* (daily 1300, 2000). John Tidmarsh of *Outlook* (Mon.-Fri. 1405, 1901*, 2305; Tue.-Sat. 0430) goes to Hong Kong to talk with local people as well as journalists and commentators about their thoughts on this historic event. *Focus on Faith* (Fri. 0230, 1130 and 1930*) will hear the views of Hong Kong's Christians, Muslims, Buddhists and Jews. *Megamix* (Tue. 1930*, 2330; Wed. 1430) will have a special program highlighting the views of Hong Kong's youth. On **Handover Day, June 30** listen to live coverage of the official ceremonies between 1600 and 1730 and hear special editions of *Newsdesk* at 1030 and 1800.

BBC World Service Highlights

Listings are for the Americas/Europe stream. Days and times are in UTC. Frequencies for North America include 5965, 5975, 6175, 6195, 9515, 9590, 9895, 11750, 11865, 15220

and 17840. In a few cases, programs can be heard via the Americas/Europe stream only on frequencies intended for Europe. These are denoted with an * and these frequencies usually are listenable in parts of North America: 15485, 12095 and 9410. Times marked with an # means that the program also can be heard in western North America via the Asia stream on 9740.

Several series that began during May continue into and through the month of June. Consult May's EL for details.

Classical Music

The Composer of the Month (Thu. 0730, 1530#) is Benjamin Britten. *Performance* (Wed. 1515) focuses on the life of conductor George Szell, who was Music Director of the Cleveland Orchestra from 1946-1970. *Dying Notes* (Tue. starting the 17th 0145, repeated Thu. 0530) is a 6 part series which looks, tongue-in-cheek, at the often bizarre methods used to dispatch opera singers. *Schubert and Friends* (Sun. starting the 8th 1515) invites you to four modern day "Schubertiads"—informal musical gatherings held at homes in London and the surrounding countryside.

Drama and Readings

Here are the *Plays of the Week* (Sat. 2230; repeated Sun. 0530, 1830*) for June:

Aman, presented in two parts, (31st/June 1st; June 7/8th) is an intimately personal story of a young Muslim girl's coming of age in the 1950's and 60's. In *Way Upstream* (14th/15th), when two couples run into trouble on a boating trip through Britain's scenic waterways, handsome and capable Vince comes to their rescue. But, Vince is not all what he seems. *The Monkey King* (21st/22nd and 28th/29th) is a two-part dramatization of a richly comic novel by Timothy Mo set in 1950's Hong Kong.

A four part drama, *The Hong Kong Holding Company* (Sat. beginning 14th 1901*, repeated Mon. 0330), will be unique for a couple of reasons. First, because it follows the lives of a Hong Kong Chinese family in both London and Hong Kong documentary style with real historical events as a backdrop, including the handover of Hong Kong to China. And, second, because each program will be completed only minutes before broadcast to ensure topicality.

Off the Shelf (Mon.-Fri. 0715; Tue.-Sat. 0345) presents a thirteen part reading of *The Last Time I Saw Jane* (begins 9th) by Kate Pullinger about a Canadian journalist working in London, who begins to reconsider her past and Canadian identity.

This month's *Short Stories* (Sat. 1245; repeated Mon. 0030) come from Ireland, Austria, Australia and Kenya.

Education

Learning Zone begins two new six-part series this month. *Body of Knowledge* (Fri. starting 27th 1230) examines the major organs of the body and outlines ways of keeping them healthy. *The World of Television* (Sun. starting 22nd 2310) looks at the growth of the medium and its implications for national cultures and values.

Entertainment

Brain of Britain, the annual quest to find the general knowledge champion of the UK, returns for a 17 week run. Incredibly the BBC has managed to schedule this popular program only at times wholly inconvenient to nearly every Western Hemisphere listener (Sat. starting 28th 0730; repeated Mon. 1830*). *Masterbrain*, a contest between the previous year's radio and tv winners and runners-up, acts as the annual curtain raiser and airs the week prior.

Features and Documentaries

In *Encyclopaedia Historica* (a 13 part series Sun. starting 29th 0130, repeated Mon. 1515), writer Edmund Hall presents an alphabetical selection of entries from different encyclopedias of varying ages, highlighting the way in which thoughts have changed. *It's Your Verdict* (5 weeks, starting Sun. 8th 1401)

gives listeners the opportunity to render their judgments, once they have heard the facts about particular human issues in the news and two experts discuss the contrasting views surrounding them. *Red Hills of Home* (Tue. starting 17th 0030, repeated 1515) offers us four people of different backgrounds who lived through the Zimbabwean war of independence and reflect on changes there since that time. In two half-hour programs, *Stories for Life* (Sun. starting 29th 1701, repeated Tue. 0630 and 1130) features Dr. Augustus Casely-Hayford using 1,000 year old oral histories to explain life in one of Africa's great ancient empires—that of Ghana. *Assignment* (Thu. 1830*, Fri. 0530 and 1030) has a special Hong Kong edition (25th and 26th). The series *Hong Kong: Imperial Orphan* continues from May. (Consult May's *EL* for schedule.)

Religion

The Four Caliphs (Sat. beginning 21st 0130, repeated Mon. 0615 and Fri. 1515) tells, over four weeks, the story of the early Muslim community after the death of Mohammed, including the historical basis of the split between Sunni and Shia Islam.

In Praise of God (Sun. 1215, 2230) will originate from St. Andrew's Church, Kowloon in Hong Kong the day before the handover to China (29th).

Sport

Wimbledon Live offers special live daily coverage of one of Britain's major sporting events (90 min. daily starting 23rd 1630).

Youth

Beginning on June 1, the World Service will present, on a monthly basis, a *Youth Debate* (first Sun. of each month 1401) providing an opportunity for young people around the world to discuss with each other issues of importance to them.

Radio Netherlands Highlights

Documentaries

During June, RN's 50th Anniversary celebrations continue when Ginger daSilva interviews Dutch Prime Minister Wim Kok (5th/6th) in part to compare his views today

with those he expressed twenty years previous to RN in another interview when he was a labor union leader. In the subsequent three weeks (12th/13th; 19th/20th; 26th/27th), a three-part series entitled *Cities* will air. A co-production with Ireland and Scotland, *Cities* will take three capital cities (Amsterdam, Glasgow and Dublin) and compare them with three cities in each country (Rotterdam, Edinburgh and Cork) who see themselves in competition with their capital and vice-versa. (Thu. 0052, 0452; Fri. 2352 on 6020, 6165, 9590 or 9845.)

Mirror Images

RN's arts and cultural program visits the prestigious *Holland Festival* which celebrates its 50th anniversary in June as well as the alternative *Oeral Festival* on the island of Terschelling with its unusual performances celebrating the theme "Gone with the Wind". (Wed. 0052 and 0452 on frequencies listed above.)

China Radio International Highlights

Listeners' Letterbox answers questions about China's educational system (22nd/24th). *Chinese Folktales* highlights a legend of the Dong ethnic group of southwestern China which involves the White Hair Waterfall and The Long-Haired Girl (14th). *Music from China* (21st) features the prize-winning music of composer Wang Yougui from Guangdong Province. Wang's "Spring Story" dedicated to Deng Xiaoping has made him especially famous. *Song of the Week* (29th) brings "The Year of 1997" which celebrates Hong Kong's return to the Chinese motherland. CRI's broadcasts are one hour long and these programs will be heard during the second half-hour of each transmission on the days listed (one day later UTC in transmissions to North America and the Pacific between 0000 and 1200 UTC). Consult Mark Fine's English Schedules section in May's Journal for times and frequencies.

Deutsche Welle Highlight

On the 23rd, *Arts on the Air* (Mon. 0132, 0332, 0532) will have a special edition look-

ing at why musicals have taken off in Germany to the extent they have over the last decade, when ten years ago they were virtually non-existent.

European Summer Music Festivals

This month begins the annual summer season of historic European festivals of music. Coverage of these prestigious events should be prominent in the shortwave broadcasts of the host nation. Music and reports will likely be offered in programs highlighting domestic events and in regular arts and cultural or music programs. The BBC's *Meridian* arts program (see April EL for schedule) may also feature some of the larger and more well-known events. Here are the places and dates for June's festivals:

Austria: Vienna Festival (through June 22); Styrian Festival (in Graz June 21-July 20). *Belgium*: Flanders International Festival (month-long). *Britain*: Glyndebourne Festival Opera (month-long); Aldeburgh Festival of Music (13th to 29th). *Germany*: Schwetzingen Festival (through June 11), Ludwigsburg Castle Festival (month-long), Munich Opera Festival (from June 29). *Italy*: Maggio Musicale, Florence (through June 30); Ravenna Festival (from June 19); Festival of Two Worlds, Spoleto (from June 25); *Luxembourg*: Festival International Echternach (month-long). *Netherlands*: Holland Festival (month-long) [see *Radio Netherlands Highlights*, above]. *Russia*: White Nights Festival in St. Petersburg (June 18-30). *Spain*: Granada International Festival (from June 20). *Sweden*: Drottningholm Court Theater (month-long). *Turkey*: Istanbul International Festival (from June 15). (source: New York Times Travel section, March 16, 1997)

Potpourri

There are several important elections this month. The second round of the French parliamentary elections takes place on the 1st, Canada votes on the 2nd and Croatia votes on the 15th. Expect RFI, RCI and Croatian Radio (and their neighbors) to

have special coverage and analysis. In past elections, RCI has broadcast continuous coverage throughout the North American evening, alternating with a half hour in English followed by 30 minutes in French...On May 16's *Feedback* program, Roger Broadbent of **Radio Australia** reported that the major cutbacks to RA's budget (see previous months' EL and *Listeners' Notebook*) will likely result in greater reliance on the ABC domestic services for programming and abandonment of the 24 hour English service in favor of an 18 hour service. At least some changes should become apparent by July 1...Speaking of changes, RCI's schedule will start to undergo an extensive retrofit with the end of several domestic network programs that have been a staple of the international broadcaster's schedule for some time. *Morningside* had its last broadcast on May 30 and others will bow out during June...*Pete Myers*, one of **Radio Netherlands'** prominent and accomplished announcers, has not been heard on the listener contact program *Sincerely Yours* for some time now due to a serious illness, according to RN's *On Target* biannual magazine. Here's hoping Pete a complete recovery and early return to the radio microphone. He is sorely missed.

International Calendar for June

(special programs may be broadcast)

1-Children's Day (China), National Day (Tunisia); 2-Anniversary of the Republic (Italy), Coronation Day (Britain), Bank Holiday (Ireland), Queen's Birthday (Australia and New Zealand); 4-Flag Day (Finland); 5-Constitution Day (Denmark), Liberation Day (Seychelles), Ascension Day (Orthodox Christian); 6-Memorial Day (South Korea),

National Holiday (Sweden), King's Birthday (Malaysia), Hindu Holyday; 7-Independence Day (Norway), National Day (Chad); 8-Queen's Official Birthday (Britain), Children's Day (USA); 9-Sikh Holiday, Dragon Boat Festival (Hong Kong, Singapore); 10-National Holiday (Portugal),

Prince Philip's Birthday (UK); 11-Shavuot (Israel), Kamahamieha Day (Hawaii); 12-Independence Day (Philippines,

Russia); 13-Corrective Movement Day (Yemen); 14-Flag Day (USA), Day of Grief and Hope (Lithuania); 15-Pentecost (Orthodox Christian), Fathers' Day (USA);

16-Soweto Day and Youth Day (South Africa); 17-Republic Day (Iceland), Unity Day (Germany); 18-Evacuation Day (Egypt); 19-Revolution Day (Algeria); 20-Flag Day (Argentina); 21-Viking Day (Denmark); 22-Midsummer Eve (Denmark and Sweden); National Sovereignty Day (Haiti), Uprising Day (Croatia); 23-National Holiday (Luxembourg), Midsummer Day (Sweden, Denmark, Estonia, Latvia); 24-Peasants' Day (Peru), King's Day (Spain), St. Jean Baptiste Day (Canada [Quebec]); 25-National Day (Mozambique), National Holiday (Slovenia); 26-Independence Day (Madagascar and Somalia); 27-National Day (Djibouti); 28-St. Paul Day (Cyprus); 29-Independence Day (Seychelles), St. Peter and Paul Day (Malta, Chile, Peru); 30-Independence Day (Zaire, now Congo).

Cutbacks to Radio Australia's budget...will likely result in greater reliance on the ABC domestic services for programming and abandonment of the 24 hour English service in favor of an 18 hour service

Yes, I know, know! I've been threatening to air some personal views on all the shortwave service downsizing that has been taking place of late. But, as you can see, copious amounts of program news have left little space for these musings. I'm assuming you'd rather have this hard information rather than listen to my rantings! (We'll see if we can find the space next month.) Until July, then, good listening!

SW

This article first appeared in Communication of the British Dx Club and is via Rich D'Angelo

Listening to the Spanish Civil War 1936 to 1939

by Alan Davies

In the mid 1930's Spain did not arouse much interest among listeners. True, each Spring EAQ on 30.4 meters ran a special program for the London chapter of the International Short Wave Club, and EAJ-1 in Barcelona had a ventriloquist for its announcer squeezing boot polish advertisements in between the records of dance music.

Then on July 18th 1936 the army generals launched a revolt against the recently-elected left wing Popular Front government, and for the first time listeners overseas could actually hear what was happening in a war. True it helped if you understood Spanish, but as the Government tried to enlist help from the democracies, and the Insurgents from the Catholic countries, the airwaves were full of programs in English, French, German and even Esperanto. Eventually it was the totalitarian powers who became involved, in spite of all signing a "non intervention treaty". Italian and German soldiers, sailors and airmen fought for Franco. Soviet experts helped the Republic and volunteers from around the globe fought with the International Brigades.

It was not always clear who you were listening to. Transmissions that closed with Viva la Republica and the playing of the Marseilles and the Internationale (confusing, as they were the national anthems of France and the USSR) along with the jaunty Hymno Riego (the anthem of the 2nd Spanish Republic) indicated Loyalist stations. The rebels, soon called the Nationalists, closed with Viva

Espana, Viva Franco and a series of marches, including the Marche Real (the current Royal Spanish anthem) and sometimes the Italian Fascist Giavanezza and the Nazi Horst Vessel Leid. Yet Radio Verdad (Truth) pretended to be in Spain, but used Italian broadcast stations after their domestic transmissions had finished, while the EAQ transmitters radiated the Deutsche Freiheit Sender for the illegal German Communist Party, supposedly in Germany.

In the confused opening days of the war, the 40 meter amateur band was full of humanitarian traffic, hams handling inquires and messages for friends and relatives trapped on the other side of the lines. No call signs were given, just the name of the town, and the procedure was roughly as follows: Hello Madrid, Hello Madrid. Here is Tetuan Juan Gomez, Juan Gomez, please inform his wife of XXXX street, Madrid, that he is safe. However this soon stopped as death squads in both zones carried out summary executions of suspected enemies and spies. Many hams were killed at this time.

The amateurs also transmitted war news and opinions. In Nationalist Spain they relayed Radio Nacional and it was possible to hear General Queipo de Llano's 2300 hour chat repeated on channels right across 40 meters. Competing on the same band from Republica Spain were stations representing the various political factions. Radio CNT and Radio FAI for the Anarchists, PSU-1 for the Socialists and ECP-1 and ECP-2 for the ill-fated POUM, familiar to readers of George

Orwell's Homage to Catalonia. It became possible to plot the war's progress as Republican stations disappeared to be replaced by Nationalist ones. In the absence of real news both sides invented it, as when Lisbon radio, supporting the Nationalists, transmitted in November 1936 an entirely imaginary eyewitness report of General Franco entering Madrid on a white charger, a full 18 months before the city finally surrendered in March 1939. Yet Spanish speakers did hear in March 1938, FR-1 the naval station in Cartagena gleefully announced the destruction of the insurgents cruiser Baleares by Republican destroyers.

EA7AI operated EARR to call CQ USA on

This article first appeared in the Danish Shortwave Club's Shortwave News

Toys for the Boys

by Barbara Lodge, England

-that was the title of an article in the WRTH in 1991. Despite not being "one of the boys" I allowed myself to read it, with no lasting effects. Except that I was left with the query, as a short-wave radio listener myself, why is short-wave radio apparently a male-dominated pastime? After all it is a long way from the traditional rough-tough contest sport image of men's acceptable interests. And I had a further query: do men and women listen to the short-waves in different ways? To which the answer is a qualified Yes.

The strict DX-breed, involved in chasing logging obscure stations appears exclusively male. I know no true women Dxers. I do know, however, some female listeners to shortwave radio programs.

The words used by male DX-ers to describe their activities are a start to explaining the divide. They speak of a "good catch" and "digging out" a station; They spend long anti-social hours crouched over their receivers waiting for their exotic prey to "come through" before it is bagged by the click of a tape recorder. The advice to clandestine radio enthusiasts is to "search the area" for the station, as it "roams out" to avoid the jam-

14140 khz and gave regular phone contacts and war news to radio amateurs across the world after relaying news from Radio Nacional. The station was on the Madrid front and in March 1939 as the war ended, could be heard giving coded messages to the Nationalist fifth column in Republican Madrid.

Though peace came in March 1939 it proved short lived as 40 meters lost its amateurs at the start of World War II. In September the only phone station to be heard was the anguished news bulletins from beleaguered Warsaw, and the plaintive playing of the Polish national anthem to assure the world that resistance was continuing.

mers. The picture is of Dxers displaying the skills of ancient hunters, who had to log the strength, whereabouts and distinguishing features of their quarry, and note the weak member of a herd, which could provide the next meal. And all this information is changed with the seasons, as indeed does DX data. So perhaps DX-ing is not that far from the sweat and struggle of original male combat- it is simply that as in many areas of lifetechnology has cleaned up and distanced us from what is really going on. And the ignoble scanner receiver is surely the radio equivalent of the machine gun.

To return to the hunter bearing the trussed-up version or boar home: it was here that the wider, more social use of the carcass fell to the women in the cooking, preserving, production of clothing and so on. And to push the hunting/settlement analogy further, this is the way with shortwave radio - women tend to use the contents of the broadcasts; men, that is Dxers, and interested only in that sound-bite which allows them to identify the station and claim the QSL trophy.

If there is such a thing as "female listening", what might it entail? Well, of course, some of the international broadcasters, such as Radio Bulgaria, produce "women's programming",

of old-fashioned, stereotypical format. Even the BBC's internal broadcast, the nearly fifty-years-old "Woman's Hour", adopts a stance which attracts people as listeners, rather than a specific sex - the "woman" tending now to refer to the producers and contributors. In any event, women short-wave listeners are grown-up enough, not to require a tiny part of the output to be devoted to their presumed minority interests. Only Radio for Peace International attempts to deal with broader women's issues in an analytical way.

So is the conclusion that the radio subjects attracting women listeners are as diverse as the women themselves? Probably. Speaking personally as a linguist, traveler and music-lover, shortwave radio is obviously a treasure-chest for me. But it has a far more serious and valuable function in the diversity of news and views available. Perhaps this is an obvious point, but it needs looking at in the context of the filtered and limited information all countries receive from their own press and media services. The well-known intellectual, Noam Chomsky, sees these powerful organizations as agenda setters and largely responsible for thought control in democratic societies, to the extent that sometimes it may seem that "history is what appears in the New York Times". The antidote is to review as wide a range of news sources as possible, to hunt out nuggets of information, "to compare yesterday's lies with tomorrow's leak" in order to try, at least, to build up a full, truer picture of events in the world. Shortwave broadcasts are a great tool in this search. How many radio in Britain were tuned to how many countries, for example, during the Gulf War in an effort to counteract the sanitized version of news permitted by the armed forces? Speaking personally again, I want to know what is going on because of my involvement in international human rights - but anyone and everyone needs knowledge to exercise some power in their own personal sphere, however large or small.

It is therefore of concern to me, that certain international broadcasters are considering cutting their services. No doubt some of this can be blamed on the chronic world recession and the need for cutbacks, however there is also the feeling that people are hearing the programs but not listening to the content.



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With an overemphasis on SINPO ratings or the soundbite to identify the stations (which leads Dxters to be more interested to the sixties record playing at a certain time and frequency than the words that link the program together),

broadcasters could be forgiven for feeling that it would be cheaper and easier to transmit a continuous identification signal for QSL collectors.

The ill-fated Archduke Franz Ferdinand shot hundreds of bears and boars and deers, until he was shot himself, his assassination sparking off the First World War. The wall of his hunting lodge in the mountains beyond Prague are fur-lined with the rows of stuffed animal heads. The archduke may have had a gargantuan appetite, but it seems impossible that he could have consumed more than the tiniest fraction of what he hunted. He is an example of distortion of the atavistic hunting instinct - of the kill without the social use. And some aspects of straight Dxing, dare I say it, have that same sterile feel. It seems to me, that if we do not "use" the content of the broadcasts, we risk losing them altogether. Yes, we would be left with local stations to dig out, and the fascination of clandestines and jammers, but the world picture would be smaller and poorer. So let us delight in the electronic magic of the being able to hear a small voice from afar, yet at the same time nurture the radio programs. Let us treat the radio programs how the program makers intended them, by listening to them, understanding them and if appropriate by giving feedback. If we don't they may die. And nurturing is not, after all, an exclusively female quality, is it?

A Short But Very Efficient 60 Meterband Antenna

Neal A. Perdue

A pet project of mine through the years has been to try to develop short antennas for use on the Tropical bands by those dxers with limited space. Many base-loaded and helically-wound vertical designs have been tried, some pretty decent, but I have never found a vertical which really approached the performance of a full size inverted-V or dipole on those bands.

Originally, when I came upon this antenna, I was trying out a 1/10 wave design which I had reason to believe might work. It didn't. In the course of the experiment, I disconnected the GND side of the antennas and there was an immediate and dramatic increase in signal strength. Using only one side of the inverted-V antenna, which is only 9.5 ft long for 60 meterband operation, signal strength was within 1 S-unit of that of the full size 96 ft. inverted-V. An added bonus was significant noise-reduction properties.

I frankly do not understand exactly why this antenna performs so well in a region of the RF spectrum where "plenty of wire" has always been the accepted rule of thumb. But, it stands to reason that if you can't get 7 wave of wire up (two 7 wave sections for a dipole or inverted-V) some length of wire must be better than some other length. "Get as much wire up as possible" is not a viable theory, especially now that most receivers have 50 ohm antenna impedance networks. Too much wire can actually hurt your reception. My 90 meterband inverted-V is pathetic, without a tuner, on 60mb.

This antenna is non-directional. It can be used, on the band it is cut for, without a tuner, but an inexpensive random wire tuner is recommended for optimum performance. Only the center-conductor of the coax is connected at the receiver or at the antenna switch, so the more expensive coax-tuner is not required. This antenna is not recom-

mended for image prone receivers. It is definitely recommended for receivers with 50-ohms antenna input circuits, although the impedance of the antenna is not 50 ohms. Image prone receivers need resonant antennas to help them out. This antenna is not resonant, but provides the best performance of any antenna I've ever tried out which is not resonant. It is truly a remarkable performer, considering it's size. Typically, a loss of about 1 S-unit will be observed compared to a full size dipole. This is certainly negligible to Dxers with limited space. Excellent results have been obtained here with a height of only 25 feet at the feed point. With a 90-degree included angle at the apex, at this height, only 55 feet of ground space is needed for the inverted-V, with rope coming right down to takes at GND level.

Regardless of location of the antenna, I would suggest 40 feet of RG-58/U coax since that is the length used successfully here. It is questionable whether or not this section acts as part of the antenna when used as a "floating GND" as it is in this design. Actually, it's more like a shielded downlead. The shield of the coax is connected at the feedpoint as with a dipole to one leg of the antenna. The center conductor is connected to the other leg. The difference is that only the center conductor is connected to the receiver. For 60mb operations, each leg is 10 ft long, with 6 inches folded back on the insulator. For 90mb, use 14 ft, 9 inches on each side also with 6 inches of it folded back. A difference of an inch or two is no big deal.

I see no reason why this antenna could not be used indoors, in either a dipole or inverted-V configuration. Don't coil the coax, though as this will effectively load the antenna to a different resonance. Yes, it will, even though it's shielded! If space limitations are all that are keeping you from Tropical band DX, don't pass this up. I've worked 12 years to come up with this one. It's a good one. Please use it, someone.



Listener's Library

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As things go, this is my "Back from Kulpville" edition of Listener's Library. There were quite a few interesting books for sale and on the silent auction tables. But this year what caught my eye was a series of books from one of our fellow ANARC clubs The National Radio Club. As most of you know, the NRC is a Medium Wave club. Their journal *DX News* has had some remarkably professional technical articles over the years, particularly in the area of antennas. Many of these medium wave designs have potential for Tropical Band listeners so they are worth a look by shortwave folks as well. All of the books we will examine here can be ordered from the

National Radio Club Publications Center
PO Box 164
Mannsville, NY 13661-0164

All the prices listed are for non-members. You get a better deal if you join the NRC.

THE NRC ANTENNA REFERENCE MANUAL—Volume One

50 Pages

\$9.95

ISBN 1-878994-01-8

First printed in 1975 and update in 1995. The manual is a serious collection of articles published in *DX News* prior to 1974. This volume mainly concentrates on basic medium wave antenna construction including loop and longwire designs. Additionally there are a series of antenna amplification systems. All of the designs and electronics work are within the scope of the average hobbyist. Each design includes helpful illustrations. While many of the drawings are crude in appearance, they are complete and easy to follow. Included is the classic design for an

Altazimuth Loop. In past years at Kulpville you may have seen Dave Schmidt's display of this loop antenna. It measures about four feet per side. Relax, there are also designs for a two foot loop that is easier to manage. You will also find basic information on classic Beverage design as well as tuned longwires. Remember folks, next time you plan to put up a "wave" antenna for shortwave, remember just how long one of these beasts needs to be to work efficiently on medium wave. In amongst the construction articles you will



*Many of these
medium wave designs
have potential
for Tropical Band listeners
so they are
worth a look
by shortwave folks as well.*



find a lot of solid antenna theory that is widely applicable in the general monitoring hobby. Over the years I've built quite a few of the designs out of this book. (I'm a DC to Daylight guy, remember?) Loop antennas are great at busting through the noise and getting at the signal. If you are good with woodworking you can make some of these designs into beautiful pieces of furniture that you would be proud to show even you non-hobby friends. If you're not good at woodworking (like me) you can just use the designs to scare people with. A four foot loop has a "Mad Scientist" look about it.

Mobile SW Listening (Part 3)

This month I will give you some antenna tips for mobile SW listening.

The one rule of thumb you should observe is that the longer and higher a mobile antenna is, the better it will work. You should limit your antenna height to 13 feet above ground to avoid hitting overpasses and tunnels.

Placement of the antenna on the vehicle is important. The farther away the antenna is from the engine, the less the pickup of radiated ignition noise. Experiment with grounding the coax at the antenna or leaving it floating. Select the option that results in less ignition noise. If you mount your antenna on the trunk lid, make sure you install a grounding strap from the lid to the frame. Also bond the tailpipe to the frame in several places to prevent the tailpipe from acting as an antenna to radiate ignition noise. Use a short piece of coax braid from large diameter coax like RG-8 for the braid.

SWLs are lucky to have CB and amateur radio antennas available at reasonable prices. Antennas designed for these services can also work well for SWLing.

A good choice for general daytime listening is the stainless steel CB whip marketed by Radio Shack (catalog 21-903 at \$15.00 US). This antenna is rugged. I have one mounted on the roof of my Ford Ranger pickup truck. The tip reaches a height of about 14 feet. I use a short piece of nylon fishing line tied to the tip of the antenna to pull it back slightly to keep it legal. The full size CB whip antenna also performs a community service by automatically pruning low-hanging tree branches as you meander down the road.

Antennas mounted on the vehicle roof are essentially nondirectional. If you mount the antenna near the rear of the vehicle, the directivity will favor signals arriving from the front by a few dB. I use a magnetic mount on the roof of the truck to hold my antennas. The mount has three circular magnets, each about 5 inches in diameter. A T-shaped aluminum structure connects the magnets. This mount has successfully held my unguied helical whip at speeds of 65 MPH.

If you do not mind drilling holes in your vehicle, you can use a standard ball mount sold by Radio Shack (catalog 21-1115). Do not waste your money on a spring. They are lossy and cause your antenna to lean and whip around in the wind.

The stainless steel whip offers broad frequency response compared to shorter loaded antennas. My CB whip performs well from 9 to 30 MHz for receive-only use. For lower frequencies, a loaded antenna starts to work better. The lower you go, the bigger the advantage is for the loaded antenna.

A loaded antenna is one that has a short physical length compared to a 1/4 wavelength. The inductive reactance of a coil of wire cancels the capacitive reactance of the short antenna so the antenna becomes resonant. Loaded antennas tend to be narrow bandwidth devices. Efficient coils narrow the antenna bandwidth. So maximum performance at the lower frequencies is a compromise between gain and bandwidth. You either need a lossy loading coil, several antennas, or a base matching unit.

I use a fiberglass helical whip resonant at 7 MHz to cover 4.8 to 9 MHz. The antenna is a fiberglass rod with a wire wound around it. The coil makes the antenna resonant at 7 MHz. The small coil diameter and long coil length make the antenna more lossy and thus broader than more efficient designs preferred by hams. The fiberglass whip is only about 7 feet long so it does not need to be pulled back to be street legal. Fiberglass is more fragile than the stainless steel CB whip so I do not recommend it for public service tree pruning.

There are several brands of helical antennas. They are all essentially the same and sell for about \$20. I bought mine from Lakeview Company, Inc. 3620-9A Whitehall Rd, Anderson, SC 29624. They charge \$7 per order shipping and handling so you may also want to order a Model 375 magnetic mount at \$37.95 US. It is the one I have used for 5 years. Just be sure you stick it where you want it the first time because it will be hard to remove once it sucks onto your vehicle.

Amateur radio and CB mobile antenna mounts use 3/8 inch, 24 tpi female receptacles. The antennas can be fitted with quick disconnect fittings to permit quick removal. The mating base mount provides a transition from the 3/8 inch 24 tpi male screw threads to the quick disconnect. Radio Works, Box 6159, Portsmouth, VA 23703 sells a transition and 5 antenna adapters for \$23.75 US. Phone: 800-280-8327. Ask for their model 103S. They also sell fiberglass helical whips.

John Wagner, a NASWA member in Pickerington, Ohio, reports success using a Palomar 36 inch whip antenna called the Super Snooper mounted on a window mount sold by Radio Shack (catalog 20-023 at \$15.00 US). John has been experimenting for the last two years trying to develop the most cost-effective combination of receiver and antenna for mobile listening. He uses his Super Snooper with a Sangean 909 portable radio. He powers it from a separate battery. The battery isolates the radio from the car's

electrical system to keep noise to a minimum. The battery is a sealed lead-acid type sold by Radio Shack for camcorder use. If you use an external battery, make sure the voltage matches your radio. You could fry all the semiconductors in your radio if you connect the wrong battery or if you connect it backwards. I will have more on using your portable in the car in a later installment of this series.

For the purist there is also the screwdriver antenna, so named because it uses an electric screwdriver to turn a threaded nylon rod to raise and lower the loading coil within a tube. Finger stock at the top of the tube connects to the coil. The number of turns above the top of the tube determines the loading inductance. This antenna offers continuous operation from 3.5 MHz to 30 MHz. You can peak the antenna at any frequency within the range by switching the motor on and off. The hitch is cost. In my opinion the use of a screwdriver antenna is not cost effective for receive applications. If you think you might want one, High Sierra Antennas, PO Box 2389, Nevada City, CA 95959 sells one for \$275 US. You can check out their catalog on the web at <<http://www.hsantannas.com/info>>.

Use good quality coax between any of these antennas and your receiver. Double shielded cable like RG-213 or RG-6 will minimize noise pickup on the lead-in. Be sure to route the lead-in so it does not pass near the electric fuel pump wiring, the engine ignition wires, or the car's computer to minimize noise pickup from these sources.

If you decide to run a converter ahead of your car radio the simplest approach is to use the antenna that came with your car. On some vehicles, however, the factory antennas have a preamp at the base which will not work on SW because power is needed from the radio and the converter cannot pass the current.

That's it for this month. Until next time, stay tuned.



Equipment Reviews

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The Becker Mexico Car Radio

Good shortwave reception in the car has been a dream for many of us who spend any appreciable amount of time behind the wheel. There have been various approaches to the problem in the past, such as using a portable radio in the car with an external antenna or converters, which shift segments of the SW bands in frequency so that they can be received on the car's AM radio. There have intermittently been radios which can be mounted in a car's dash which provide SW coverage. This is the ideal solution, in my mind, as it provides a secure location which is usually easily accessible by the driver. Models have occasionally been imported from Europe over the years, usually with limited shortwave coverage. A few years ago, the Phillips DC-777 in-dash receiver was available. It did an admirable job of receiving SW signals and provided a wide range of coverage, but many units had premature display and keypad failures.

A New Option

The German firm, Becker Automotive Systems, which has provided the radios used in Mercedes-Benz automobiles, is now promoting and distributing the Mexico 2340 car radio. It is an in-dash AM/FM/SW radio and stereo cassette tape player. An optional CD changer can also be added to the system. The amount of shortwave coverage that it provides is limited to the major international broadcasting bands (and not all of those), but it is well built and sounds great.

The Specs

The Mexico is manufactured in Germany and is designed for mounting in a DIN stan-

dard dash cut-out (approximately 7 inches wide and 2 inches high—the radio requires 6 3/8 inches of mounting depth). It is designed for four channel installations and provides 15 watts of continuous power (25 watts peak) per channel. In addition, there are pre-amplifier outputs available for use with higher power amplifiers in custom installations. The frequency coverage of the radio is LW: 152–282 kHz, MW: 531–1602 kHz, SW: 5900–15700 kHz and FM: 87.5–108 MHz. The shortwave coverage is continuous, between the limits of 5900 kHz and 15700 kHz, when using keypad tuning. The band limits when the unit is being tuned in Search mode are: 49 mtrs/5900–6250 kHz, 41 mtrs/7100–7550 kHz, 31 mtrs/9300–10000 kHz, 25 mtrs/115000–12100 kHz, 22 mtrs/13600–13800 kHz and 19 mtrs/15000–15700 kHz. There are a variety of tuning methods—manual tuning in one kilohertz steps on LW, MW and SW, search tuning in five kilohertz steps (10 kHz on MW and 3 KHz on LW), direct keypad tuning and memory presets—10 each on LW, MW and SW, 30 on FM and an additional 10 Autostore FM memories. The cassette player is auto reverse and has both Dolby B and C noise reduction (a feature that was missing on the Phillips unit), as well as program scan and search features. There is an infrared remote control pad and the radio has a security code feature which inactivates the radio when power is removed, until the correct code number is entered. The lower half of the front panel, which contains the LCD display and keypad buttons can be detached from the main unit for additional security. The color of the LCD display can be adjusted in 15 gradations from red to green to match the car's lighting scheme. I presume that the unit is single-conversion and no

selectivity figures are given, other than the audio frequency response, which is listed as 50–3,000 Hertz in AM mode and 20–15,000 Hertz in FM.

Installation


Unless you have had previous experience with autosound equipment installation, it is probably best to have the Mexico installed by a professional. There is no standard for the way that the connectors that plug into car radios are wired and installation involves tracking down which wires are positive or ground and whether they are switched by the ignition key or not. Then there are the speaker leads, which are usually straight forward. However, my car system uses a separate tuner/amplifier system, so I also had to figure out the control line that turns on the amplifier when the radio is switched on. Since the review radio was loaned to me, I didn't do a full installation—doing it properly would have involved cutting up the Becker's wiring harness to make proper connections. In this case I used in-line tap connectors from Radio Shack to wire up the radio. Since room was tight, I only connected two audio channels and left the rear inputs on my car's amp system floating. These tap connectors work fairly well, but I wouldn't recommend them for a permanent installation, as the connection can be intermittent, especially with smaller gauge wires. The best method would be to solder the connections or to use the appropriate size "wire nut" type of connector. I used the car's standard antenna.

Operation

I would have liked to have been able to have done a review based on several weeks listening to the Becker Mexico at various times of day. However, due to the installation—wires hanging out of the dash with the radio bal-

anced precariously on the console, I couldn't. My impressions are based on a couple of hours use on a Saturday afternoon, with the car parked in the garage. I must say, that in spite of the inadequate test conditions, I was favorably impressed. The sensitivity seemed quite adequate and the search tuning mode stopped right on the carrier frequency of the detected stations. The sound was very pleasing, both on shortwave and FM. There was some whining noise (not from the alternator as the engine was off), but I suspect that it was due to the fact that I had left the rear inputs of the car's amp unconnected, rather than a fault of the radio itself. Due to the relative lack of stations in the daytime, I wasn't able to make a judgement concerning the set's selectivity.

Summary

If you're looking for an in-dash car radio that provides shortwave coverage, this is your only choice, as far as I know. The frequency range is somewhat limited—although there is some possibility of future models having additional coverage of the 16 and 13 meter bands, but the range is certainly acceptable for listening to the major (and some not so major) international broadcasters. I don't think that the car environment is very conducive to DX'ing anyway, due to wind and road noise, as well as the need to pay attention to the road instead of ID's buried in the noise. The unit is somewhat expensive at less than \$600, but Becker has a reputation for quality and durability. After the initial installation, an in-dash unit such as the Mexico is certainly the most convenient way to get shortwave reception in a car. The unit is distributed in the US by Becker of North America, 16 Park Way, Upper Saddle River, NJ 07458, (201) 327-3434. Contact them for a list of dealers. Thank you Bill Crookham for providing the review unit. 

FOR SALE: DXtreme(tm) SWRL. The Shortwave Reception Log V2.0. Lets you log the stations you've heard, create reception reports automatically from customized templates and scripts, and track your monitoring station performance. SWRL(tm) features integration with Microsoft applications for the creation of reception reports, a full range of inquiries, and an extensive on-line help system. Runs on 486S+ PCs running Windows 3.1 or 95. Regularly \$26.95, only \$19.95 for NASWA members. Demo is available. Write for data sheet or visit us on the web at [HTTP://www.dxtreme.com/dxtreme/](http://www.dxtreme.com/dxtreme/). DXtreme Software, 26 Langholm Drive, Nashua, NH 03062. E-mail <dxtreme@ix.netcom.com>.

Listener's Notebook

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AH, THE LIFE of an editor...it's one of Albany's three true Springtime days (sunny and mild), and here I am banging away at my computer! The only consolation is that it took the contributions of a whole bunch of other shut-ins (i.e. you boys and girls) to make this, our biggest June column ever, a reality. So hats off to all you paleface moles...now go out there and get some sun before your family throws a shroud over you!

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ALBANIA *TWR-Albania* observed on new 7385 with Albanian 0525, QRMinig co-channel RFPI. (10-May/Padula-AUS/EDXP)

RTV Shqiptar, Cerrik, 6099.82, 0800 advertisement for company in Tirana, news mentioning Vranitzky, Phil Collins ballad. (23-May/Schaay-HOL)

ALGERIA *Radio Algiers International*:

1600-1700 English 15160 11715
1700-1800 Spanish 15160 11715
1900-2000 Spanish 11715
2000-2100 English 11715

(BBCM)

ANGOLA *A Voz da Resistencia de Galo Negro* (VORGAN) was noted at 1945 in PP on 6095 kHz. (Vaghjee-MAURITIUS)

ARGENTINA 8098L *Radio Rivadavia*; 1005-1030 light talk and weather information. ID was given at 1030. fair (18-May/Nozaki-JPN/Relampago DX)

AUSTRALIA complete *Radio Australia* sked:

0000-0030 English 17750 17715 15510 15415 13605
0000-0030 French 17880U 17860 17795 15365 13755 12080 9660
0030-0200 English 17860 17795 17750 17715 15510 15415 15365 13755 13605 12080 9660
0200-0400 English 17880Ux 17795 17750 17715x 15510 15415 15365x 15240x 13755 13605 12080x 9660x
0400-0430 Chinese 17715 15510 Mo-Fr
0400-0500 English 17880Ux 17795 17750 17715x 15415 15365x 15240x 13605 12080x 11880 9660x
0430-0500 Indonesian 15510 Mo-Fr

0430-0500 Thai 17715 Mo-Fr
0500-0600 Cambodian 15530 15510
0500-0600 English 17880Ux 17795 17715x 15415 15365x 15240x 13605 12080x 11880 9660x
0600-0630 English 17880Ux 17750 17715x 15530 15415 15365x 15240x 13605 12080x 11880 660x
0630-0700 English 17880Ux 17750 17715x 15530 15415 15365x 15240x 13605 12080x 9860 9660x 9580
0700-0730 English 17880Ux 17750 17715x 15530 15415 15365x 15240x 13605 12080x 9860 9660x 9580
0730-0800 English 17880U 17750 17715x 15530 15415 15365x 15240x 13605 12080x 9860 9660x 9580
0800-0830 English 21725 17880U 17715 15415 13605 12080 9860 9710 9580 6080 6020 5995
0830-0900 English 21725 13605 12080 9860 9710 9580 6080 6020 5995
0830-1100 Indonesian 11640 9770 9560
0900-1100 English 21725 13605 9860 9580
0900-1200 Tok Pisin 9710 6080 6020 5995
1100-1130 English 11660 11640 9860 9770 9580
1100-1200 Chinese 13605 9560
1130-1200 English 11660 9860 9770 9580
1130-1230 Cambodian 7150
1200-1230 English 11660 9860 9770 9710 9580 5995
1200-1330 Chinese 13605 9560 6080 6060
1230-1300 English 11660 9860 9770 9710 9580 7150(Mo-Fr) 5995
1230-1300 Vietnamese 7150 Sa-Su
1300-1430 English 11800 9770 9580 5995

1300-1430	Vietnamese	11660 7150
1330-1430	Cantonese	9850 9560 6080 6060
1430-1500	English	12080 11800 11660 9850 9615 7380 6080 6060 5995
1500-1600	English	12080 11800 9860 9850 9615 9580 7380 6080 6060 5995
1600-1700	English	15510 12080 11800 9615 9580 6090 6080 6060 5995
1700-1800	English	12080 11880 9860 9615 9580 6090 6080 6060
1800-1900	English	12080 11880 9860 9615 9580 7330 7240 6090 6080
1900-2000	English	12080 11880 9860 9615 9580 7330 7240 6090 6080 7240 6080
2000-2100	Tok Pisin	12080 11880 9860 9850
2000-2100	English	9580 7330 6090
2100-2130	English	13605 12080 11880 11855 11695 11640 9860 9850 9660 7240 6090 6080
2130-0000	Indonesian	15415 11640
2130-2200	English	17860 17795 13755 13605 12080 11855 11695 9850 9660 7240 6090
2200-2300	English	17860 17795 15365 13755 11855 11695 6090
2200-2330	Chinese	13605 9850
2300-2330	English	17860 17795 15365 13755 12080 11855 11695 9660
2330-2400	English	17880U 17860 17795 15365 13755 13605 12080 11855 11695 9660

Frequencies marked "x" carry "Grandstand", a separate sports service, at 0200-0800 on Saturday and 0300-0800 on Sunday. (BBCM)

Radio Australia has announced special frequencies for coverage of the Australian cricket tour of the UK: Coverage of all one-day internationals (from 22nd May) and tests (beginning 5th June) will be from 0910-1300 and from 1430-1800; for Asia, 15510 kHz for the entire coverage period and 9580 kHz from 1600; for the PAC and PNG (hours not specified), 9860 kHz. (11-May/Radio Australia/BBCM/WWDXC TopNews/Bueschel-FRG)

Radio Australia's Crisis:

The final Budget breakdown for RA shows future funding arrangements as such: Department of Foreign Affairs and Trade to contribute A\$4m, and the Department of Communications and the Arts to contribute A\$3.2m for a shortwave and satellite service to PNG and the South Pacific. ABC will add to this funding to provide Indonesian, Mandarin, Khmer and Vietnamese programming estimated at A\$4.7m—meaning total funding of A\$11.9m for Radio Australia in 1997/98. The National Transmission Agency will receive funding of A\$2.5m for short-wave transmission costs from Brandon, Queensland and Shepparton, Victoria. The Darwin facility will no

longer be used for RA shortwave, and the NTA will explore possible future uses of the Cox Peninsula site. (13-May/Francis/EDXP). (What happens to the Northern Territory Shortwave Service, running 50 kW from Alice Springs, Tennant Creek, and Katherine? !!! Padula-EDXP) Seems the fate of Darwin is hotly contested: Radio Australia general manager Derek White told an interviewer the need for the Darwin transmitter was more important now that the Australian Broadcasting Corporation (ABC) board had decided to retain services in Mandarin (Standard Chinese), Indonesian, Vietnamese and Khmer. "We are doing our best to reach our audience in Asia from our transmitters in Shepparton [Victoria], but it's a great distance further away and that station is primarily designed to reach a Pacific audience... The fact is that Darwin was our most powerful set of vocal cords into Asia and it is a decision of the government that we have not been funded for that transmission. That transmission is operated by the National Transmission Agency—it is not ABC funds that pay for the transmission, it is entirely a government decision that that transmitter would not be available to us."

So, to recap: Languages staying: English, Tok Pisin, Bahasa Indonesian, Mandarin, Khmer and Vietnamese.

Getting the axe: Cantonese, Thai and French.

Losing: more than half the current staff (from 144 down to 67) (various BBCM reports)

BANGLADESH *Bangladesh Betar*, Dhaka, External Service:

1230-1300	English	7185 9550
1315-1345	Nepali	7185 9550
1400-1430	Urdu	7185 9550
1515-1545	Hindi	7185 9550
1745-1815	English	7190 9570 15520(VolIslam)
1815-1900	English	7190 9570 15520

Home Service in English:

0200-0210	4880
1530-1540	4880 15520

(Goonetilleke-SRI/UADX)

Current Affairs in English 1545-1600 SUN, THU 4880 15520 (Das Gupta-IND/Goonetilleke-SRI/UADX)

BELGIUM Sorry for the incomplete *Radio Vlaanderen Internationaal* schedule in last month's LN...thought it was odd no freqs above 31m listed, and sure enough, it (like your editor) wasn't all there. The real thing:

0500-0600	Dutch	5980 11640
0600-0630	Dutch	6035 9925 9940
0630-0700	English	6035 9925 9940
0700-0730	French	15545 6035 9925
0730-0830	Dutch	6035 7190 9925

0830-0900	German	6035 7190
0900-0930	English	6035 7190
0930-1000	French	17690 15545 9925(Su only)
1000-1100	Dutch	17690 15545(Su only) 6035
1100-1130	Dutch	6035 9925 17690
1130-1200	Spanish	9925 13785
1200-1230	Dutch	13785 15535
1230-1300	Dutch	13785 15535 Mo-Sa
1230-1300	English	13785 15535 Su
1300-1330	English	13785 15535 Mo-Sa
1300-1600	Dutch	9925 11995 17655 Su
1600-1630	Dutch	5910 13795 17655
1700-1730	Dutch	5910 9925 13795
1730-1800	German	5910 9925
1800-1830	English	5910 13645(exc. Sa)
1800-2000	Dutch	13645 Sa
1830-1900	French	5910 13645(exc. Sa)
1900-2000	Dutch	5910 9925 13645(exc. Sa)
2000-2030	Dutch	5910 9925
2030-2100	Spanish	5910 9925
2100-2130	English	5910
2130-2200	French	9925 11690
2200-2300	Dutch	9925 11690
2300-2330	Spanish	9925 11690
2330-2400	English	9925 11690

(Direct/BDXC/Nieuwenhuis-HOL)

BOLIVIA 4449.97 *R. Frontera*, Cobija, Pando 0120
Gorgeous music featuring harmony female vocals, syncopated guitar and percussion. Ads and announcements mentioning Pando—one used Blondie's "Call Me" as background music. Well-modulated, room-filling audio at peaks, though troubled by thunderstorm QRN. 0155 canned ID with echo effect. (6-May/Novello)

4599.92 *R. Perla del Acre*, Cobija, Pando 0150
SS pop and dance music, pre-pubescent-sounding female DJ between songs, but no ads, promos, or jingles of any kind. 0225 man: "Bienvenido, el mensajero de Perla del Acre..." and mensajes punctuated by flute music. Some ads during this program, too. 0245 turned it back over to the young woman who said a few words ending with "...la misma hora. Bye bye." and off. (8-May/Novello)

4599.95 *R. Emisora Villamontes*, 0258-0307*
music, talk M anncr, s/off at 0307. (25-May/Barrera-ARG)

4649.03 *R. Santa Ana*, 2335-2359 May 24, hrd a program with messages, at 2356 typical bands music, ID hrd at 2359 as "Radio Santa Ana." (24-May/Barrera-ARG)

4926.51 *R. San Miguel*, 0308-0323 salutations by the Mother's Day in Bolivia, mx, ID at 0319 as "...Radio San Miguel, el programa de las multitudes." (25-May/Barrera-ARG)

4945.02 *R. Illimani*, La Paz; 0912-0920 weak signal. (27-Apr/Nozaki-JPN)

5952.32 *Emisoras Pio XII*, Siglo XX; 1104-1108 program "Encuentro Nacional." (27-Apr/Nozaki-JPN)

5964.73 *R. Nacional de Huanuni*; reactivated its morning transmission. Noted at 0903, poor. (27-Apr/Nozaki-JPN)

6085.36 *R. San Gabriel*, 2201-2230, News and ads in Aymara, at 2207 messages, at 2208 heard "Radio San Gabriel" within a message, at 2229 again hrd "San Gabriel", ads. (2-May/Barrera-ARG)

6194.60 *R. Metropolitana*, La Paz; 0900-0906 fair w/folklore of Altiplano, M&W talk in Aymara. (4-May/Nozaki-JPN/Relampago DX)

6556.98 *R. Television Colonia* has been reactivated. I heard the station between 0005-0155, when it closed down. It was all-religious programming. ID at 0026 and at 0059 as: "La Radio que escuchas es Colonia, transmite desde Yapacani, St.Cruz, Bolivia, America Latina." Lo & distorted modulation, strong carrier with hum. (30-Apr/Iverson/Nordic Shortwave Center/DSWCI)

9717.1 *R. La Plata* first heard with weak signals 2110 with a special program about Colombia, its politics, economy, radiostations (even played a short ID of Radio Caracol), peaked 2120-2140 when the signal was fair! Fine ID at 2111 and again at 2126. I think this is a first for me, so extremely pleased to hear it. Has it been off for some months? I seem to have it last reported anywhere late November 1996. (21-Apr/Krone-DEN/DX Window/DSWCI)

Eleven mining, popular and community radio stations in the provinces of Oruro and Potosi have reached an agreement to further development. Yesterday they created a major radio network aimed at improving living conditions in their districts. The meeting, organized by *Radio Pio XII*, opened on Monday [14th April] and gathered staff from *Radio Eucalipto* of Eucalipto, *Radio Challapata* of Challapata, *Radio Cooperativa Minera* of Poopo, *Radio Fantastico* of Pasma, *Radio 16 de Marzo* of Mina Bolivar, *Radio Horizontes* of Huanuni, *Radio Amanecer* of Huari, all of them in Oruro Department. Other members of the network include *Radio Reflejos* of Llallagua, *Radio La Voz de Minero* of Siglo Veinte, *Radio Uncia* of Uncia and *Radio Pio XII* of Siglo Veinte. The great radio network will become effective on 3rd May, when each of these radio stations will pick up the demands and needs of Oruro and Potosi Provinces. One of the network's main objectives is to open up prefectures and the central government so they can listen and attend to the communities' demands, strictly supervise management of the people's money, keep the network members updated and have the western provinces listened to throughout the country. (16-Apr/R. Nacional de Bolivia/BBCM/Krone-DEN/DX Window/DSWCI)

Ref May LN and the mystery of the meaning of "Radio A.N.D.E.S.": While reading the Spanish portion of the bilingual newspaper sent to me by the station, I ran across an article which disclosed the meaning of the name of the station. The station serves a union which has members in five provinces in Potosi, and the initials making up the station name stand for the first letter of each of the five provinces:

[A]ntonio Quijarro
[N]or Lipez
[D]aniel Campos
[E]nrique Valdivieso
[S]ud Lipez

As the article says, "Estas 5 provincias forman radio A.N.D.E.S.", that is, "These 5 provinces form Radio A.N.D.E.S." (Lazarus)

BOSNIA-HERCEGOVINA RTV Sarajevo replaced 7108U by 7102.5U+carrier. Observed being football nx at 1530-1600. QRM by Budapest on nearby 7105 kHz, 1530 Romanian, 1600 Ukrainian. (18-May/Bueschel-FRG/WWDXC TopNews) [Heard well here too evenings-AQ]

BULGARIA Radio Bulgaria noted on NFs for Z97: 9700 Serbo Croatian *0530 16 May; 5850 Bulgarian to Balkans 2110, // 5860 17 May (Padula-AUS/EDXP)

CANADA 4877.5 RCI 2340 Another 90-meter RCI subharmonic (along with 4812.5) showing very weakly here carrying an interview with woman reminiscing about her childhood. Fair on 9755 fundamental. (11-May/Hill)

CHILE 3180.84(H) Emisora Tepual, Puerto Montt 0334-0349 folk mx (cueca chilota), umbias and ID hrd at 0347 as "Radio Tepual" and "En su sintonia CD159 Emisora Tepual, en amplitud modulada, desde Puerto Montt." Very weak signal. (25-May/Barrera-ARG)

5824.90 R. **Triunfal Evangelica**, 2233-2304, lot of gospel music, then praises by the Bishop and Director of the station, Fernando Gonzalez Segura, non stop gospel music. On May 3, heard the s/on at 2200 w/ID as "Esta es Radio Triunfal Evangelica....", on this day heard on 5824.94 khz (2-May/Barrera-ARG)

CHINA RFI uses Xian for EE to India 1400-1500 now on 11910 (ex 7110). (Padula/EDXP)

CLANDESTINE-AFRICA 7999.6 V.O.Sudan 1603-1655+ Arabic with Salem Aleikum and ID 1603, fair. Later, 1650, 12008 was audible in parallel, but extremely weak. (27-Apr/Krone-DEN/DX Window/DSWCI)

CLANDESTINE-ASIA 5407 Radio of the Provisional Government of National Union and Salvation of Cambodia is on the air on this freq from 2330-0130 and from 1130-1330. (Lohuis/DX Window/DSWCI)

4116 **V.O.Independent Kashmir** weak in (pres) Kashmiri 1645 // 5300 (fair) (27-Apr/Krone-DEN/DX Window/DSWCI)

CLANDESTINE-LATIN AMERICA (Colombia) 6250 R. **Patria Libre** announced schedule 1 pm and 5 pm, the latter segment is on the air almost daily now. In addition to their usual prgr now also running political "PSA's". Very good signal. (Klemetz-COL)

CLANDESTINE-MIDEAST Democratic Voice of Iran began transmissions to Iran in Farsi on the 12th of May from 1730-1759 on 5900 kHz. Sigs are strong here in Sri Lanka. This is an attempt by Iranians abroad to present a balanced picture of what is happening. The timing suggests that they wanted a service to get into Iran before the elections on Friday the 23rd May. (24-Apr/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-FRG)

Radio of Kurdistan, Voice of the Kurdistan Socialist Democratic Party (Arabic: huna ida'at kurdistan, sawt al-hizb al-ishtiraki al-dimuqrati al-kurdistan; Kurdish: era radioy kurdistana, dangi hizbi socialisti demokrati kurdistan) is scheduled: 1400-1700 Arabic/Kurdish 4230v (BBCM)

Voice of Free Azerbaijan is now on 12070 kHz 1530-1630 having moved from 7093 kHz for summer. Last summer they started up by using 12085 kHz then moving down to 9930. Usual Azeri etc. (24-Apr/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-FRG)

Voice of Independence, Radio of the Conservative Party of Kurdistan (Kurdish: era dangi sarkhoyi, izgay parti parezgarani kurdestani; Arabic: sawt al-istiqlal, idha'at hizb al-muhafizin al-kurdistani). 1500-1700 Kurdish/Arabic 4190v
1500-1700 Kurdish/Arabic 4190v (BBCM)

Voice of Islam, Voice of the Islamic Movement in Iraqi Kurdistan (Arabic: Sawt al-Islam, Sawt al-Harakah al-Islamiyah fi Kurdistan al-Iraq) schedule: 0200-0330 Kurdish 6305v 4400v 4135v
1430-1600 Kurdish 6305v 4400v 4135v
1600-1700 Arabic 6305 4400 4135 (BBCM)

Voice of Southern Azerbaijan (Azeri: Bura Janubi Azerbaijan Sasi): 0515-0615 Azeri 11935

1530-1630 Azeri 7093
(BBCM)

CLANDESTINE-RADIO FREE ASIA schedule changes:

Vietnamese	1400-1500	11540 (x11600), and two spurs 35 kHz away on 11505 & 11575 kHz.
Burmese	1500-1600	11530 (x11600), and two spurs 35 kHz away on 11495 & 11565 kHz.
Korean	2200-2300	still on 7460 kHz.

(1-May/Bueschel-FRG/WWDXC TopNews)

For those who have been hunting for *RFA's* schedule, here is what we have been able to put together from various sources and our own monitoring here in Colombo, Sri Lanka. (1-May/Goonetilleke-SRI/UADX)

0030-0130	Burmese	11580 11590 11600 13710 13820
1300-1400	Tibetan	11575 11590
1400-1500	Vietnamese	9455 9910 9930 11590 11600 13825 15660
1500-1600	Burmese	11590 11605 13820
1500-1600	Mandarin	9455 9805 9910 11565 11615
1530-1630	Korean	5855 9980 13810 15660
2100-2200	Mandarin	9395 9420 9455 9910 11765 15115
2200-2300	Korean	7470 9365 9420 9455 11590 11785
2300-2400	Mandarin	9395 9420 9910 11785 13800 15515
2300-2400	Tibetan	7410 9365
2330-2400	Vietnamese	9920 11580 13710

(1-May/Goonetilleke-SRI/UADX)

COLOMBIA H2460.4 *R. Viva*, Pasto, fundamental anncd 1230, good during local darkness. Carries lots of local adverts and some Sistema Super hook ups (Bogota 970 kHz), but even in the course of their local prgr they use the slogan "La Superestacion". Mentions phone as 219366 and 219368. (18-May/Klemetz-COL) 0301 zd string with plenty of echo on anncs, big "Radio Viva" ID by M, and into modern tropical music with serious dance beats and SS ragamuffin rap. M DJ generous with IDs. (24-May/Novello)

H3126.3 *La V de Pradera*, Pradera, Valle, 2315 with program "Destapando colas", anncing 1600 kHz. S/off 2359 with NA. Poor signal and distorted audio. (18-May/Klemetz-COL)

6063.8 *Colmundo Bogota*, noted with their new 5 kW @2155. (17-May/Klemetz-COL)

CONGO-DEM. REPUBLIC (ex-ZAIRE) From late April through mid-May, a station supporting the rebel Alliance of Democratic Forces for the Libera-

tion of Congo-Zaire and calling itself "Radio Butembo, Radio of the People," was heard broadcasting in Swahili and French on 7060 kHz. Station was located in the town of Butembo, in the eastern Zairean province of North Kivu, and was monitored from around 0500-0730*.

With the shift in government, the former OZRT [Office Zairois de Radio et Television—Zairean state broadcasting organization] has been re-christened Radio-Television Congolaise]. Former Voix du Zaire, 15245 kHz, is called *Voix du Congo* as of 17-May. (BBCM)

The former Radio CANDIP [Centre d'Animation et de Diffusion Pedagogique], Bunia, 5066 kHz, is now *Voice of the People*. Schedule is 0400-0800 and 1000-1700. (BBCM)

CUBA *Radio Havana Cuba* noted on new 13680 with SS 2130 (10-May/Padula-AUS/EDXP) Noted on new 13715 with EE 2030-2130 // 13725-SSB (15-May/Hambly/EDXP/Padula-AUS)

DENMARK updated *Radio Denmark* schedule thru 26-October, all programs in Danish:

0030-0055	7465 9560 9965
0130-0155	7465 9560 9985
0230-0255	7465 9560
0330-0355	7485 9565
0430-0455	7485 7570 9980
0530-0555	7485 13805
0630-0655	7180 7295 9590 13805
0730-0755	7180 9590 13805 15245
0830-0855	13800 15625
0930-0955	13800 15625
1030-1055	9480 15625
1130-1155	7295 15625
1230-1255	9590 13800 13805 15605
1330-1355	9590 13800 13805 15650
1430-1455	13800 13805
1530-1555	9980 11840 15230
1630-1655	9980 9985 13805 15600
1730-1755	7485 9985 15220 15340
1830-1855	7485 9590 15220
1930-1955	7485 13805 15340
2030-2055	7485 7540 9590 15340
2130-2155	7540 11675
2230-2255	9965
2330-2355	7275 9530 9980

(27-Apr/Koie-R. Denmark/BDXC/Nieuwenhuis-HOL)

ECUADOR In compliance with a government request, *HCJB* World Radio plans to relocate its international transmitter site at Pifo, Ecuador, just east of Quito. Ecuador's Civil Aviation headquarters recently announced that a new Quito airport will be constructed near Pifo. HCJB has owned the 110-acre transmitter site for which the station is negotiating for government compensation. The site houses 11 transmitters, as well as 32 antenna systems and

towers. HCJB President Ron Cline calls the relocation is a huge job of up to four years, but says the government's decision is no disaster for HCJB. He says, "God has a great plan for us." He says HCJB will study how to best continue gospel radio broadcasts worldwide, and that relocation will allow ministry reorganization in light of new opportunities worldwide. (HCJB/Simpson/EDXP/Padula-AUS) This means HCJB will no longer attempt to broadcast direct from Ecuador to Europe (they're already seeking a relay), and may also have to use a South American relay to reach North America. The whole shebang could take up to 4 years to pass, but at the end of that time we may no longer be able to hear HCJB direct from Ecuador. (HCJB DXPL/Hauser/WOR)

3568.7 new station *Radiodifusora Luciernaga del Condor*, Yanzata, Zamora Chinchipe, nightly from before 2300; announces 1100 and "3.57 onda corta" saying "dos frecuencias al servicio de la comunidad chinchipense, Luciernaga del Condor." Signoff was at 0230 (without NA or anct, just petering out after a pasillo). (18-May/Klemetz-COL)

4850.7 *Emisora Luz y Vida* reactivated, usually not on the air before 2300. (Klemetz/DatelineBogota) presumed the one here 0115 time check, romantic songs. Gone or f/out 0141 (4-May/Krone-DEN/DX Window/DSWCI)

4918.97 R. *Quito*, 0653-0658 boleros music, ID at 0658 w/jingle "Radio Quito...La Voz de la Capital desde la mitad del mundo...escuchan Radio Quito, La Voz de la Capital..." then ads. (25-May/Barrera-ARG)

EGYPT *Radio Cairo* noted this afternoon (2200-) on 9900 kHz with much-improved audio. It's obvious they've been doing some major work on their audio link to the transmitter, and it's about time. With the distortion gone, now you notice annoying level discrepancies between announcers (very low) and music (solid). Plus, now that you can hear the programming, you realize we haven't been missing much—today was a snoozefest talk on tourism followed by a program of rap music). (27-Apr/Quaglieri) I bet this is the new 500kW transmitter that has been installed at Abis. Obviously they're not using audio compression. Without it, most SW broadcasters would sound like that. (Sennitt)

Radio Cairo, Z97: AA to Australia 2000-2200 on 11990; EE: 1215-1315 to S. Asia 17595, 1630-1830 to C&S Africa on 15255, 2030-2200 on 15375 to W. Africa, 2115-2245 to Europe on 9900, 2300-0030 to EC N. America on 9900. (Bob Padula/EDXP)

EQUATORIAL GUINEA 5003.46 R. *Nacional Bata*, 2146-2200*, local folk music in Vernacular, at 2157 National Anthem, then s/off at 2200. (2-May/Barrera-ARG)

ETHIOPIA 9704 1459 R. *Ethiopia* signing on in V with good signal and clear "Radio Ethiopia". Although not in EE quite easy to discern. They use a long chime rather than the BBC type pips for a time signal. (6-May/Norrie/DX Window/DSWCI)

VO *Tigre Revolution* in Tigrignian 1500-1600 new 6315, and 5500 kHz (x7515). Also noted at 0330, 0400-0500, Sat/Sun til 0800. (8-May/PanI-view-BUL/WWDXC TopNews/Bueschel-FRG)

FRANCE French from *RFI* Issoudin to India and SEA 1500-1600 on new 15405 (ex 12030). (Padula/EDXP)

GEORGIA Georgian Radio's external service identifies itself in Russia as "Radiostantsiya Gruziya"; the English service announces itself as "Program Georgia." This schedule has been compiled from monitoring observations and station announcements. Broadcasts are irregular and not all transmissions have been confirmed.

0500-0600	Georgian	6080 Tu/Th
0600-0630	Russian	11805
0630-0700	English	11805
0700-0730	German	11805
0800-0830	Georgian	11910
0830-0900	English	11910
0930-1000	English	11910
1600-1700	Georgian	6080 Sa/Su
1700-1730	Georgian	6080
1730-1800	English	6080
1800-1830	German	11910
1830-1900	English	11910
1930-2000	English	11760
2000-2030	German	11760
2030-2100	Russian	11760

(BBCM)

Voice of Hope via Georgia:

1800-2000 English 9310

(BBCM)

Tests from High Adventure Ministry *VoHope* 15/16 May on 12120 kHz from Tbilisi were very successful. Regular service to begin June 4th. Good signals in SoAS. Progr consisted of the service meant for 9310 kHz as indicated in the announcements. Gave the UK address. (15-May/Goonetilleke-SRI/UADX/RN/WWDXC TopNews/Bueschel-FRG)

GERMANY On 25 April, *Deutsche Welle* officially inaugurated its new Nauen transmitting site, placing four new 500-kW transmitters online. A state-of-the-art antenna system will enable pinpoint signal targeting, and the facility is already capable of digital shortwave transmission. (BBCM)

GUATEMALA An unidentified station was heard with marimba music on 6180 kHz at around 2300. Possibly a Guatemalan? Radio Nacional? (Hauser/WOR)

HUNGARY *Radio Budapest* observed on new 11685 with Hungarian 0030-0100 (16-May/Padula/EDXP)

ICELAND 13860, *Rikisutvarpid*, (probably), 1913-1930*, talks M&W annrcs with news and comments, probably in Icelandic. (2-May/Barrera-ARG) Last sked I have for them shows:

1215-1300	11402 13860
1410-1440	11402 13860
1855-1930	7735 9275
1935-2010	11402 13860
2300-2335	9275 11402

Frequencies station is known to use: 3242, 3295, 7870, 9275, 9282, 11402, 13835, 13855, 13860, 15770 and 15790 kHz. (direct)

INDIA 4790 *AIR* External Service *0000-0030* I've been hearing the morning Tamil service--a fixture on 4990 for many years--on new 4790 // 13795 and 9910 several evenings since May 5. Most days it mixes at equal strength with co-channel Peru--except for May 6, when it was astoundingly powerful, totally burying the OA and by far the strongest AIR signal I've ever heard on 60 meters! Not sure if this is still the Chennai transmitter--but wherever it is, it must be running at least 250 kw. Even more perplexing, where does this leave AIR's regional transmission from Itanagar, which is also supposed to be operating here from *0025? (Hill)

Here is the answer: *AIR Itanagar* is now on 4990 kHz moving out of 4790 kHz making *Azad Kashmir Radio* clear. *AIR Madras* moved in to 4790 kHz replacing and making way for Itanagar from 4990 0000-0115, both morning and evening transmitters. (24-May/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-FRG)

4800 *AIR Hyderabad* *0020 Usual AIR regional s/on format of test tone, IS, "Vande Mataram," talk in Indian language; quite strong. Hyderabad isn't a regular even when several other 60M AIR outlets are coming in well, which they were this evening. Probably Guatemala QRM is the main reason this one doesn't make it very often. (12-May/Hill)

All India Radio is negotiating for a relay station in either West Africa or the West Indies. This will enable AIR to reach the Americas where there is a large concentration of Indians. Meanwhile, in Doddaballapur (45 km from Bangalore), All India radio has installed six 500 kw SW transmitters. The area of the antenna farm is 260 hectares and has 35 remote controlled antennae using 21 towers. Using them, programs can be beamed in eight different

directions. Programs are fed via satellite link from Delhi, but in case of failure a local studio will step in with "canned" programs which will be updated every week. (19-May/Ghose-IND/WRTH/DXW/WWDXC TopNews/Bueschel-FRG)

The following *AIR* stations were on extended hours for the Indian election period (8-10 May), all monitored in Mauritius: 5050, 5005, 4972, 4850, 4840, 4820, 4775, 3945, 3915, 3347, 3247kHz. (Vaghjee-MAURITIUS)

INDONESIA 2580.5 Unidentified. First realized it was an Indo when it relayed Jakarta at barely perceptible level at 1200 Own prgr from 1229 -mx relatively clear but speech astoundingly weak. Could be RSPDT2 Timor Tengah Selatan reactivated & down from 2582. (5-May/Foster/OZDX/Yamada-JPN/Jembatan DX)

2695 *RPDT2 Ende*. 1459* after brief rendition of the old Hawaiian theme (12-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

2899.3 *RPDT2 Ngada*, Bajawa. 1420 Lagu-lagu pop and kontak pendengar 1457 signed off after wavelength and morning s/on time. A shift down from 2904. Can be a very good clear signal some days. (12-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

2960 *RPDT2 Manggarai*, Ruteng. S/off between 1420 and 1430, (12-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

3190v *RRI Bandung* (presumed). Certainly an Indonesian station, w/impossible FM'ing signal and ending Jakarta relay at 1522 Could be Bandung which has had transmitter problems in the past and ended up near here, e.g. 3181. (2-May/Foster/OZDX/Yamada-JPN/Jembatan DX)

3214.8 *RRI Manado*. 1245 Local pops. 1259 RPK. 1300 Jakarta nx relay. 1313 Local pops. Fair to poor. (18-May/Yamada-JPN/Jembatan DX)

3223 *RRI Mataram* 1012 Islamic recitation, weak but improving Also past 1532 on Apr 23 with bad modulation. Irregularly on air in April/May. (16-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

3231.8 *RRI Bukittinggi*. 1502 RPK (Other station had already connected to Jakarta nx). 1503 Suddenly Jakarta nx relay. 1520 Local pops. Poor. (17-May/Yamada-JPN/Jembatan DX)

3250 *RRI Banjarmasin* 1317-1400, local pop music program with relaxed DJ. Tentative ID at 1329, but clear ID 1358, transmitter off air for a minute at 1339. (20-Apr/Boogert-SIN/DX Window/Yamada-JPN/Jembatan DX)

3277 UNID noted 2205 at DX-Camp of the AGM of DSWCI in Lohals/Langeland. *RRI* Jakarta reactivated? At same time *RRI* Jambi could be observed

very well on 4925 kHz. (16-May/Helmbold-FRG/WWDXC TopNews/Bueschel-FRG)

3325 **RRI Palangkaraya** 1317-1400. I checked this one frequently while listening to RRI Banjarmasin. Dull program with a lecture and some strange music. ID at 1359. 45444 (20-Apr/Boogert-SIN/DX Window/DSWCI)

3344.8 **RRI Ternate** 1948 IS, 1950 opening mx & opening anmt by M, then reading of Holy Koran. Fair. (10-Apr/Yamada-JPN/Jembatan DX)

3355.3 **RRI Sumenep** 2000 Jakarta relay, inaudible by 2010. Now reactivated, have detected the carrier (usually all you get) from around 1600. (Foster/OZDX/Yamada-JPN/Jembatan DX) RRI Sumenep? RPK was only heard at 1859. Very weak. (10-Apr/Yamada-JPN/Jembatan DX) 1732 RRI Sumenep (presumed) with phone in, the phone ringing was not bad signal but the voices a bit low in audio to discern a great deal. It seemed to be a request show, music but not really western style was played. It was a busy line. Positive BI language and SCI at 17.59 confirmed that it was an Indonesian. I would love to get an ID on this one. Thanks to Dx-Window contributor who alerted us to this station. If WMR comes on earlier than they predict it may be my last chance to ID this RRI station. (5-May/Norrie/DX Window/DSWCI)

3904.8v **RRI Banda Aceh** 2328 Faintly audible several days since May 4 with short announcement by pleasant-voiced female announcer in Indo, then some kind of IS (not "SCI") and woman back for nonstop talk till 2345 or so. After brief musical interlude, woman takes the mike again. Begins to weaken around 2350 and is essentially gone by 2355. Some days, the freq reading is down closer to 3904.7. Weak signal and ham QRM combine to make copy exceedingly difficult at best. (Hill)

3905.0 **RRI Merauke** 1245 "Angkatan Bersenjata," 1300 Jakarta nx relay, 1306 tkl by M, 1308 EE pops, 1328 IS, 1329 local nx entitled "Warta Berita," 1341 local instrumental mx, 1359 closing anmt & closing mx. S/off at 1359. (19-Apr/Yamada-JPN/Jembatan DX)

3934 **RRI Semarang** 1910 Not a real log, because all we can get these days is a not so strong carrier. Running late 8/3 though usual s/off is 1705". ZLXA 3935 is an everpresent pest. (Foster/OZDX/Yamada-JPN/Jembatan DX)

3959.7 **RRI Padang**. After Jakarta nx at 2108 it continued w/relay of Jakarta's Programa Nasional 1 until approx 2200 signed off. (12-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

3959.8 **RRI Palu** 1359-1410+, unfamiliar piano IS at 1359, with 4+1 TP's at 1400. W ID as "Inilah Radio Republik Indonesia Palu;" same W ancr with local nx until 1410. Station has been very regular

here, and today was in the clear with an excellent s9+ signal. (14-Apr/Martin/Cumbre DX/Yamada-JPN/Jembatan DX)

3960 **RRI Palu** 1559 ID, 1600 Jakarta relay 1/4. However, by 1604 recheck it had already gone off before the relay concluded. (Foster/OZDX/Yamada-JPN/Jembatan DX)

3976.0 **RRI Pontianak**. 1502 All night wayang kulit which was not relayed Jakarta nx on the hour. Still heard at 1900. Fair. (10-May/Yamada-JPN/Jembatan DX)

3996.2 **RRI Kendari**. 1530 Local nx w/mements of Kendari Usually on 4000 at this hour. 1600 warta berita ASEAN from Jakarta and 1607 back to own prgrs. I'd expected it would close before 1600. And what of RRI Pontianak 3996 ?! (2-May/Foster/OZDX/Yamada-JPN/Jembatan DX)

4000.0 **RRI Padang** 1552 Local pops, 1559 M ID "Radio Republik Indonesia Padang," then RPK. 1600 Jakarta nx relay. Fair. (1-May/Yamada-JPN/Jembatan DX)

4606.3 **RRI Serui** 1402 EE pops including mx by Beatles, 1419 local pops, 1458 RPK, 1500 Jakarta nx relay. Fair to poor. 0.1kHz down from usual frequency. (29-Apr/Yamada-JPN/Jembatan DX)

4750 **RRI Ujung Pandang**. 2150 Conversation with doves cooing in the background. Additional freq, significantly stronger than //4753.4 on 4/4. First noted it on 1/4 past 2230. (Foster/OZDX/Yamada-JPN/Jembatan DX)

4753.3 **RRI Ujung Pandang**, 1220 Jakarta nx relay. 1230 W ID "Kembali...Programa Satu, Radio Republik Indonesia Nusanantara Empat Ujung Pandang," then "Berita Keluarga" by W. 1235 Local mx. Fair. (3-May/Yamada-JPN/Jembatan DX)

4790 **RRI Fak Fak** 2113-2117 2 M tkl, long speech by W, flute mx./Ujung Pandang. (25-Apr 25/Gornati-ITA/Yamada-JPN/Jembatan DX)

4845 **RRI Ambon** 2123-2126 in // to my logging on 4790. (25-Apr/Gornati-ITA/Yamada-JPN/Jembatan DX)

4925.0 **RRI Jambi** 1129 IS, 1130 Local nx entitled "Warta Berita Daerah". Fair. (2-May/Yamada-JPN/Jembatan DX)

4931.6 **RRI Surakarta** (p) 1559 RPK, 1600 Jakarta nx relay, 1606 Wayang kulit. Very weak. (4-May/Yamada-JPN/Jembatan DX)

5040.0 **RRI Pekanbaru** 1705 telephone conversations. Fair to poor. Usually s/off at 1705. (28-Apr/Yamada-JPN/Jembatan DX)

5059 **RRI Yogyakarta** 1324 local pops, 1329 IS, 1330 local nx by M&W. Poor. (27-Apr/Yamada-JPN/Jembatan DX)

6024.7 **RRI Banjarmasin** 1650 Indopops, QRM'ing Kuala Lumpur's CC service 1/4. However, next day it was on alternate 6031.0. (Foster/OZDX/Yamada-JPN/Jembatan DX)

6071 **RRI Jayapura**. Noted at *1157 swapping from 6070 (1156*) and continuing past 1400. Could replace long unheard 9612. (24-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX) 1450 Local pops. 1459 RPK. 1500 Jakarta nx relay. Poor. Thanks David Foster for this information. (17-May/Yamada-JPN/Jembatan DX)

6154.2 **RRI Biak**. 0740 Old-style mx, on earlier than previously hrd 0800 signed on. ID 0759. Drifted up a little too. (16-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

6188.9 **RRI Manokwari**. 0944 Country mx a la PNG. As usual weak to very weak. (16-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

7098.5 **RRI Yogyakarta**. 2316 Still taking Jakarta relay with report from Department of Religion. Returned to own studio 2319. (14-Apr/Foster/OZDX/Yamada-JPN/Jembatan DX)

7173.2 **RRI Serui** 0735 tlk by M & W. Poor. (2-May/Yamada-JPN/Jembatan DX)

9525.00 **RRI Jakarta** 1208-1220 In here with Jak news until 1209 then ID followed by more comments. Signal was fair but had plenty of long path fading. (9-Apr/Bolland/Cumbre DX/Yamada-JPN/Jembatan DX)

9679.9 **RRI Jakarta** 1240 dangdut mx, 1259 RPK, 1300 S/off. Fair to poor. (1-May/Yamada-JPN/Jembatan DX)

9705.0 **RRI Pontianak** 0618 drama, 0635 local pops, 0654 s/off. Fair. (2-May/Yamada-JPN/Jembatan DX)

15125.0 **RRI Jakarta**. 0655 "Angkatan Bersenjata" which is usually heard at 0710-0800. 0700 "Fokus Berita" including "Informasi Haji." 0731 W ID "Inilah Radio Republik Indonesia Stasiun Nasional Jakarta," then local pops. Fair. (2-May/Yamada-JPN/Jembatan DX)

RRI Sorong 4874.3 (ex-4874.6), reactive since late April, now signs off at 1340 after local news, entitled "Berita Terakhir" at 1330. (Yamada-JPN/Jembatan DX)

RRI Banda Aceh on 3904.8kHz reactivated in the beginning of May, but was inactive again since May 12. Sign off time was 1350. (Yamada-JPN/Jembatan DX) **RRI Samarinda** on 3295.3kHz reactivated on May 13, after 11 days absence. Signoff time is still 1515. (Yamada-JPN/Jembatan DX)

RRI Jakarta on 15150kHz is inactive since the beginning of May. Evening program is heard on 15125kHz instead of it. But 15125kHz is "Programa Nasional Satu". Its sign off time is 1300. (Yamada-JPN/Jembatan DX)

RRI Medan on 4766kHz is inactive since April 7. (Yamada-JPN/Jembatan DX)

V.O. Indonesia 9525 reactivated on 4 May. (Yamada-JPN/Jembatan DX)

The local news title at 0530 of **RRI Pontianak** on 9705kHz is "Warta Berita Daerah." (Yamada-JPN/Jembatan DX)

RRI Ujung Pandang on 9552kHz now airs local news at 0630. (Yamada-JPN/Jembatan DX)

RRI Serui now uses 7173.2 local evenings and 4606.4 local nights. (Yamada-JPN/Jembatan DX)

RRI Padang again using 4000.0 as alternative frequency to 4003.2. (Yamada-JPN/Jembatan DX)

RRI Samarinda 3295.3 unheard since May 2. (Yamada-JPN/Jembatan DX)

According to the station, **RRI Tanjungkarang** 3395 is using a 1976 Harris transmitter and a multi-trap dipole antenna. (Yamada-JPN/Jembatan DX)

Corrections to Finn Krone's extensive Indo monitoring lists in last month's LN: 3976kHz is apparently **Pontianak**. 4697kHz is **RKIP Suranaya**, not **RRI Surabaya**. (Yamada-JPN/Jembatan DX)

IRAN 7215 **VOIRI** 0027* Ending broadcast in Chinese; IS and into Middle Eastern language at 0030, but cut off at 0034. According to the Z97 schedule, Chinese isn't aired at this time or on this freq. Wow, Teheran departing from a published schedule? (29-Apr/Hill)[who'd have thought???-AQ]

IRIB in Arabic 1330-1700 add 9650 to // 11995 kHz. (8-May/FanIview-BUL/WWDXC TopNews/Bueschel-FRG)

ISRAEL KOL Israel has added three more English broadcast. The new transmissions are: 1000-1015 or 1015-1030 on 15640 (Northern Europe)--- 1500-1525 on 9435 (Middle East / Eastern Europe) and on 11695 15640 (Western Europe)—1545-1555 on 12080 and 15650 (Western Europe). (Hanlon/Four Winds/Serra-IT)

ITALY AWR Forli replaced 11610 by 11795 kHz for Arabic at 1000-1100. (19-May/AWR Wavescan/WWDXC TopNews/Bueschel-FRG)

JAPAN Radio Japan schedule:

0000-0030	English	13650
0000-0100	English	6180uk 6155uk
0100-0200	English	21610 17810 15500 13630
		11890s 11860k 11840
		11790 5960
0200-0230	Bengali	11890s
0200-0300	Japanese	21610 15590 15500 13630
		11860s 11840 5960c
0230-0300	Hindi	11890s
0230-0300	Persian	11760 6150g

0300-0330	Urdu	11890s	1115-1130	Italian	17630g
0300-0400	English	17685	1130-1200	Bengali	12045s
0300-0400	Japanese*	21610 17810 15590 15230 13700(to 0330) 13630 11895f 11840 11760 9660f 9515g	1130-1200	Burmese	9695
0315-0415	Korean	15475 11910	1130-1200	Thai	11740k
0330-0400	Swahili	13700 6135a	1130-1230	Chinese	6190
0400-0430	Arabic	9515g	1200-1230	Hindi	12045s
0400-0500	Japanese	17820s 17810 15230(to 0430) 11840 9660f(to 0430) 7230uk 6110c 5960uk	1200-1300	Chinese	9695
0415-0515	Chinese	15475 11910	1200-1300	English	11815 7125
0430-0500	Spanish	15230 13630 11895f 9660f	1230-1300	Urdu	12045s
0430-0515	Russian	11760g	1300-1330	Thai	9695
0430-0530	Chinese	17685 15120	1300-1400	Russian	6090
0500-0530	English	12000 11895f 9635	1330-1400	Vietnamese	9695
0500-0600	English	15230(to 0530) 13630(to 0530) 11920k 11895f(to 0530) 11840 7230uk 6110c 12030	1345-1415	Burmese	7260
0500-0600	Russian	12030	1400-1430	Malay	9695
0515-0545	Swedish	12030g 11760g	1400-1500	English	7200
0545-0600	Italian	12030g 11760g	1400-1500	Korean	6090
0600-0630	Arabic	17770s	1500-1600	Chinese	9855 6090
0600-0630	German	12030g	1500-1600	English	15355g 11730 9750 9535 7200
0600-0700	English	17810 15550 15230 12030 11920k 11910 11840 11740 9835 7230uk 5975uk	1600-1700	Japanese	9835 9535 7200 6035
0630-0700	French	17770s	1700-1800	English	11880s 11730 9835 9535 7200 7110 6035
0630-0700	Spanish	12030g	1800-1900	Japanese	11880s 9535 7200 7140 7110 6035
0700-0800	English	17815 17810 15230g 15220a 11850 11850 11840 11740 7230uk 6165 6145	1900-2000	Japanese	9535 7200 7110 6035k
0745-0845	Russian	6165 6145	2000-2100	Japanese*	60355k 13630 9825 7210uk 7200 7110 6090
0800-0900	Japanese	17815 17810 15590 15230g 15220a 11920 11850 11815 11740k 9835 9750 9685 7125 6070f 15230g 11850 11815 11740 9835 9685(to 0930) 7125 6070f(to 0930)	2100-2200	English	13630 9560 6090(to 2130) 6035k
0900-1000	Japanese	15230g 11850 11815 11740 9835 9685(to 0930) 7125 6070f(to 0930)	2100-2200	Japanese*	11850 11665 9825
0900-1500	Japanese*	21490a(1300-1400) 15400a(1300-1400) 12045s(from 1300) 11705c(from 1300) 9855 9750	2130-2200	Korean	6090
0915-1015	Indonesian	15590 11690	2200-2300	Japanese*	11850 11665 9825 9685f 6140uk 6115 6055uk
0930-1000	French	17815a 15120a 9600uk	2230-2330	Chinese	13650
0930-1000	Portuguese	9685 6070f	2230-2330	Indonesian	13630
1000-1030	Spanish	9685 9530f	2300-0000	Japanese*	11665 9825 9560 6180uk
1000-1100	Japanese	17780g 11815 9530f 7125 6120c	2330-2345	Malay	13650
1000-1100	Russian	11710uk	2330-2345	Vietnamese	13630
1030-1130	Indonesian	9695	2345-2400	Burmese	13630
1030-1130	Korean	6190	2345-2400	Thai	13650
1100-1115	Swedish	17630g	* = relay of domestic service (BBCM)		
1100-1130	German	11710uk 9600uk	JORDAN Noted today at 1400-1600 hrs on 11690 kHz (s/on and s/off timings may be different). (Goonetilleke-SRI/UADX)		
1100-1200	English	11815 7125 6120c	97 assignments notified to the IFRB from <i>Jor- dan Radio and TV Corp.</i> Amman, are:		
			6035	1400-0130	
			6105	1500-0215	
			7155	1500-1830	
			7180	2000-0200	
			9560	1100-1300, 1400-1630	
			9610	1500-2100	
			9630	0300-0600	
			9785	1100-1300, 2100-2300	
			9830	1000-1500, 1700-2200	
			11690	1400-1730, 1230-1430, 1800-2200, 1100- 1300	
			11705	1800-2200	

11740 1800-2200
 11780 1200-1600
 11805 1200-1600, 2100-0200
 11810 0300-1500
 11820 1000-1230
 11835 0500-0900
 11860 0700-1000
 11935 2100-0200
 11945 1500-1800
 11960 0300-0530
 13630 1200-1500
 13645 1100-1300
 13655 1000-2300
 15170 1100-1300
 15215 1100-1500
 15270 1400-1700
 15340 2100-2300
 15355 0300-0900
 15355 1000-1300
 15435 2000-0200, 0300-0900
 17855 2000-0200

All with 500 kW from Al Karanah. (Padula/EDXP)

KAZAKHSTAN R. Aلماتy in English at 1530-1600 on 6230 kHz. (8-May/PanView-BUL/WWDXC Top-News/Bueschel-FRG)

KIRIBATI 9809.96 Radio Kiribati, 0505+ already on air with news in local language to 0516, anmts by man and into variety music pgme, station theme to the tune of 'Waltzing Matilda' at 0554 and woman opening the English program period at 0558 with "Hello everybody and welcome...stay tuned and relax" and anmt of upcoming R. Australia news which was aired, directly off-air, at 0600, // and good on 15240 & 15365, fair on 17795 to 0610. Then back to local English pgm with "national and Pacific news" to 0615. ID by man at 0655 and "goodbye" at 0659, after which talk by man, again in local language. Best-ever archival signal in USB mode, peaking S6-7 from initial tune-in past 0630, then moderately weaker. (29-Apr/Clark-CAN)

KOREA-NORTH Radio for Soldiers at the Frontline (Korean: Chonyon Chobyongdurul Wihan Pang-song), has been observed for several years and is believed to be operated by the North Korean authorities. [I called it "Young Soldiers Broadcasting Station" last issue-AQ]

1400-2000 Korean 3025 2625

(BBCM)

KOREA-SOUTH R. Korea International complete sked:

0000-0100 Japanese 9640 11810
 0000-0100 Korean 5975 15575
 0100-0200 Korean 7275
 0100-0200 Spanish 11725 11810 15575
 0200-0300 English 7275 11725 11810 15575
 0300-0400 Korean 7275 11725 11810 15575

0700-0800 Korean 7550 9555
 0800-0900 English 9570 13670
 0800-0900 Japanese 5975 7275 9640
 0900-1000 Korean 5975 7275 7550 9570 13670
 1000-1030 Spanish 7550 11715 11725
 1000-1100 Korean 5975 6135 7275 9570 13670

1030-1100 English 11715
 1030-1100 Spanish 7550 11725
 1100-1130 Korean-nx 6145 9640 9650 11725
 1100-1200 Russian 5975 6135 7275
 1130-1230 Indonesian 9570 13670
 1130-1230 Mandarin 9640
 1200-1230 English 7285
 1200-1300 Japanese 5975 6135 7275
 1230-1300 English 7285 9570 9640 13670
 1300-1400 Chinese 5975 6135 7285
 1300-1400 French 9570
 1300-1400 Korean 9640 13670
 1400-1500 Indonesian 13670
 1400-1500 Japanese 5975

1600-1700 Arabic 6480 7275 15575
 1600-1700 English 5975 9515 9870
 1700-1800 French 7275 9515 9870
 1700-1800 Russian 6480
 1700-1900 Korean 5975 7550 15575
 1800-1900 German 6480 7275
 1800-1900 Russian 9875
 1800-1900 Spanish 9515 9870
 1900-2000 Arabic 6480 7550 9515 9870 15575

1900-2000 English 5975 7275
 1900-2000 French 6145
 2000-2100 German 6145 7550 15575
 2000-2100 Russian 5975
 2000-2100 Spanish 6480 7275 9870
 2100-2130 English 3970 6480 15575
 2100-2200 French 9870
 2100-2200 Korean 5975 7275 9640
 2130-2200 English 6480 15575
 2200-2300 Chinese 5975 7275 9640
 2200-2300 Spanish 6480
 2300-2400 Indonesian 7275 9640
 2300-2400 Korean 5975 15575

(Matthews-OH)

LIBYA still testing transmitters broadcasting 1000 Hertz test tone, but retimed one hour earlier. Now approx. 0730-0945 on 6155, 9655, 9705-strongest here, 11770 kHz. But NOT on 7120 kHz. At 0845-0900 also separate opening procedure tone signal on 15415 kHz. (17-May/Bueschel-FRG/WWDXC Top-News)

LITHUANIA Radio Vilnius...sorry, but I didn't have time to confirm first two freqs:

0000-0030 Lithuanian 5910-(via Germany) now 9635 or 9875??
 0030-0100 English 5910-(via Germany) -ditto-

0800-0830 Lithuanian 9710
 0830-0900 English 9710
 (BBCM + 8-May/PanView-BUL/WWDXC TopNews/
 Bueschel-FRG)

MEXICO XERMX is currently working on its transmitters, anticipating a 10 kW unit on 11770 to hit the air in July; August has a 50 kW sender scheduled to hit 15430 kHz via a log periodic antenna. (Hansen/WOR)

MOLDOVA Radio Moldova International schedule through 26 October:

0230-0255	Spanish	9400
0300-0330	Romanian	7520
0330-0355	English	7520
0400-0425	Russian	7520
0430-0455	English	7520
1230-1300	Romanian	9400
1300-1325	Spanish	11580
1830-1855	Russian	7520
1900-1925	French	7520
1930-1955	Spanish	7520
2000-2025	French	7520
2030-2055	Spanish	7520
2200-2225	English	7520
2230-2255	English	7520

Snail mail postal service is still irregular, so suggest using fax mail service. (25-Apr/Volk/BCDX/EDXP/Padula-AUS)

MONACO TWR Monte Carlo Frequency Schedule, thru 25 October:

0645-0835	English	9755 Sa
0645-0850	English	9755 Su
0655-0820	English	9755 Mo-Fr
0830-0845	German	6230 7160 Mo-Sa
0830-0915	German	6230 7160 Su
1005-1020	German	7160 Mo-Sa
1005-1020	German	6230 Mo-Sa
1100-1145	Hungarian	9490 Su
1230-1245	Croatian	7255 Fr-We
1230-1245	Serbian	7255 Th
1245-1315	Croatian	7255 Mo-Fr
1245-1315	Macedonian	7255 Su
1245-1315	Slovenian	7255 Sa
1330-1400	German	6230 7160
1515-1530	Slovak	7355 We/Sa/Su
1515-1600	Czech	7355 Mo/Tu/Th/Fr
1530-1600	Czech	7355 We
1600-1615	Romanian	9925 Tu-Th
1600-1630	Romanian	9925 Fr-Mo
1601-1616	Hungarian	7355 Su
1601-1631	Hungarian	7355 Mo-Sa

(TWR)

MONGOLIA Voice of Mongolia
 0830-0900 Russian 15170

0900-0930	English	15170
0930-1000	Mongolian	15170
1000-1030	Chinese	15170
1030-1100	Japanese	15170
1130-1200	Mongolian	12085
1200-1230	Chinese	12085
1230-1300	English	12085
1300-1330	Russian	12085
1345-1415	Japanese	12085
1430-1500	Chinese	12085 9720
1500-1530	English	12085 9720
1900-1930	Russian	12085 9720

(BBCM)

MOZAMBIQUE 3210 1910-2210* *Em. Nacional*, Maputo reactivated after some years absence. P ann, light mx and songs, gong IS, ID, 2100 & 2200 nx and close with NA. (25-Apr/Petersen-DEN/DX Window/DSWCI)

9619 R. (Mozambique) Maputo 0900-0910 PP IS ID as R. Maputo M nx—Zairian situation followed by local nx items and mx program (6-May/Clemitson/DX Window/DSWCI)

MYANMAR 6570.00, *Defence Forces Broadcasting Unit* (t), 1113-1131 continuous musical program. (25-May/Barrera-ARG)

NEW ZEALAND updated *RNZI* schedule:

0459-0758	9795 Sa/Su
0459-0816	9795 Mo-Fr
0758-1205	6100 Sa/Su
0817-1206	6100 Mo-Fr
1206-1650	6100 occasional sport use
1650-1951	6145 Mo-Fr
1855-1951	6145 Sa/Su
1952-2051	9845 Su-Th
1952-2058	9845 Sa
1952-2106	9845 Fr
2052-2306	11735 Su-Th
2059-2306	11735 Sa
2107-2306	11735 Fr
2307-0458	15115

(Otteson)

NICARAGUA R. Miskut is waiting for MW xmtr to arrive, supposedly within 3 more months; this may signal the end of the shortwave operation, so get it while you can...check 5770U around 2330 and in mornings 1200. (Tetsuhara-JPN/Hauser/WOR)

NIGERIA Voice of Nigeria has finally resumed regular programming (i.e. talk and music instead of just continuous music) on its one shortwave frequency, 7255 kHz. schedule appears to be French 1800, English 2000, Hausa 2100-2300*, 0545 English again, with French from 0700 on. (Grishan-CAN/Hauser/WOR)

NORWAY *Radio Norway International* schedule thru 26 October:

0000-0030	7465 9560 9965
0100-0130	7465 9560 9985
0200-0230	7465* 9560*
0300-0330	7485 9565
0400-0430	7485* 7570 9980
0500-0530	7485 13805
0600-0630	7180* 7295* 9590* 13805*
0700-0730	7180 9590 13805 15245*
0800-0830	13800 15625*
0900-0930	13800 15625
1000-1030	9480 15625
1100-1130	7295 15330 15625
1200-1230	9590* 13800* 13805* 15605*
1300-1330	9590 13800 13805 15650
1400-1430	11850 13800 13805
1430-1500	11850
1500-1530	9980* 11840* 15230
1600-1630	9980 9985 13805 15600
1700-1730	7485 9985 15220 15340
1800-1830	7485* 9590* 15220*
1900-1930	7485 13805 15340
2000-2030	7485 7540 9590 15340
2100-2130	7540 11675
2200-2230	9965*
2300-2330	7275 9530 9980

*English on Sundays (Grimdalen-NRK/EDXP/Padula-AUS)

OMAN *R. Sultanate of Oman* in Arabic 2000-2132 on new 5980 7230 9735 kHz, also noted on 6120 kHz. (8-May/PanView-BUL/WWDXC TopNews/Bueschel-FRG)

PAKISTAN *Pakistan Broadcasting Corporation* frequency schedule External service til Sept 6th. They are starting new services in Chinese and Russian, but broadcasts to Myanmar have been dropped.

0030-0130	Hindi	6070 7255K
0100-0130	Mitali/Bangla	9545 11975
0100-0215	Urdu	15485 17705
0230-0245	EE(SSN)	7255 15120K 15485 17705
0315-0415	Gujarati	15555
0330-0530	Irani	9785 11820
0430-0630	Urdu	11725 15175
0645-0745	Swahili	15555
0800-1103	Urdu/EE(SSN)	15465 17865
0900-1000	Bahasa Indo.	15570K 17540
1030-1130	Tamil	13665K 15516
1105-1120	EE(SSN)	15465 17865
1200-1245	Chinese	9690 11820
1200-1300	Hindi	9550 11925K
1300-1400	Mitali/Bangla	11935 15625
1330-1530	Urdu	9485 11565
1430-1530	Turki	5055 6040
1500-1530	Russian	5055 6040

1600-1630	EE(SSN)	9485 11565 11935 15570 15595K
1700-1800	Turkish	7295K 9515K
1700-1900	Arabic	9400 11720
1700-1900	Urdu	9335 11570
1800-1900	Urdu	6190
1930-2030	French	9400 11570

K = via Karachi 50 kW, others Islamabad 100/250 kW.

Home service from Islamabad 100 kW, except API-7 10 kW.

- API-1 1300-1600 Urdu/Pushto 6060 kHz.
 API-2 0330 Balti, 0445-0545 Sheena 6060 kHz., 1410 Balti, 1420-1430 Sheena 7125 kHz.
 API-3 0612-0616 Pushto 9645 kHz.
 API-4 0600-1115 Rawalpindi progr, Urdu, Punjabi, E nx 0800-0804 & 1100-1104, 7110 kHz.
 API-7 0100-0105 & 0200-0215 Urdu nx 6070 kHz. 0230-0245 Link for EE SSN, 0300-0310 E nx, Sindhi nx, 0400 Urdu nx, 0500 E nx, 0600 Urdu nx, 0608-0612 Sindhi nx, all on 7270 kHz. 0900-1000 link for Indonesian service. 1230-1300 Kashmiri, 1300 Urdu nx, 1311 Sindhi nx. 1400-1410 E nx, 1500-1530 Urdu nx & commty, all on 9645 kHz. 1600-1630 E nx & comm, link for slow speed nx to Gulf/ME, 1700-1800 link for Turkish service, both on 7230 kHz.
 API-8 Rawalpindi III, 0045-0435, 1230-1330, 1345-1815 4790 kHz. 0800(0930Fri)-1215 7265 kHz. Quetta 10 kW 0045-0404(Fri-0345), 1230-1805 5025 kHz. 0600-1215 (exc.Fri). Fri 0400-0820 & 1000-1215 both on 7170 kHz. Peshawar 10 kW 1100-1400 6250 kHz.

(30-Apr/R. Pakistan/Green-UK/WWDXC TopNews/Bueschel-FRG)

7233 or 7237v *Radio Pakistan* playing havoc these days to BBC's Hindi service with their 0030-0130 Hindi service. Causing severe het. Announcing 7235 khz. But some days noted on their old channel on 7290 khz. <Das Gupta> This is obviously their Karachi 50kW which is notorious for being very unstable. The same transmitter probably is noted on 7280v 1600-1700 causing interference to VOA Bengali. (Das Gupta-IND + Goonetilleke-SRI/UADX)

PERU 3329.5 *R. Ondas del Huallaga*, Huanuco; 1130-1200 program Integracion de los pueblos y municipalidad. advs Ferreteria Central ID "A traves de la frecuencia familiar Ondas del Huallaga..." (14-May/Arrunategui-PRU/Chasqui DX)

3339.9 *R. Altura*, Cerro de Pasco; 1207-1235 program Noticiero de Altura nx ID "Un estilo diferente de informar, siempre con la noticia...Radio Altura..." (14-May/Arrunategui-PRU/Chasqui DX)

4050.6 *R. Cristal*, Arequipa around 1000 (4-May/HCDX/Carmona-CHILE/Hauyser/WOR)

4419.5 R. *Bambamarca*, Bambamarca, Cajamarca 0125 M long talk w/echo, many mentions of Peru and Bambamarca, but explicit ID elusive until 0212 in passing when free of QRM. Still on 0304. (5-May/Novello)

4460.86 R. *Nor Andina*, Celendin, Cajamarca 0215 M&W alternating comunicados, tc's, ID at 0250 by M, "Radio Nor Andina de Celendin." (5-May/Novello)

4624.1v R. *Solaid*, Parcoy, at 0010. They were on 4510v a couple of weeks ago. (5-May/Klemetz-COL)

4746.9 R. *Huanta 2000*, Ayacucho; 1242-1315 mx ID "Vamos con la musica por Radio Huanta 2000" advs espanol y quechua advs Pilsen Callao esta buenaza. (14-May/Arrunategui-PRU/Chasqui DX)

4790.0 R. *Atlantida*, Iquitos, Loreto; 0310-0340 advs Foto estudio magnus ID "Un saludos a todas las madrecitas que manana celebran su dia central son los deseos de su Radio Atlantida..." s/ off 0340 w/NA. (10-May/Arrunategui-PRU/Chasqui DX)

4830.63 R. *Lircay*, Lircay; 1138-1154(f/out) poor signal, rustic OA folklore and M talk in Quechua. ID was given at 1140 as "Es Radio Lircay..." I remember that this station was formerly heard on 5058VkHz several years ago. Many thanks for tip PFA. (4-May/Nozaki-JPN/Relampago DX)

4855.5 R. *La Hora*, Cusco; 1120-1210 33333 ID "Desde Radio La Hora, informando a toda la region...primera informacion..." program Noticiero Primera. (21-May/Arrunategui-PRU/Chasqui DX)

4870.11 R. *Majestad*, Huancayo; 1103-1140 p/f. Non stop OA folk or until 1133. then full ID was given. (27-Apr/Nozaki-JPN)

4890.1 R. *Chota*, Cajamarca; 2355-0033 ID "Por mio de Radio Chota" advs El naturista Loretano program Orientando tu destino. (23-May/Arrunategui-PRU/Chasqui DX)

4904.8 R. *La Oroya*, La Oroya; 1156-1230 ID "A todos ellos que han visitado Radio La Oroya" (24-May/Arrunategui-PRU/Chasqui DX)

4969.06 R. *Imagen*, Tarpoto; 0908 p. program "El Tuta Tuta Madrugador" by Harry del Castillo (27-Apr/Nozaki-JPN)

4990.92 R. *Ancash*, 0917-0942 M ancr about the birthday of Radio Ancash, ID as "la emisora mas potente del norte peruano:Radio Ancash", "hoy celebramos juntos los 13 años de Radio Ancash", then huayno music, IDs, etc. (25-May/Barrera-ARG)

4995.6 R. *Andina*, Huancayo; 1127-1129 fair. Huaynito Criollo, and TC w/ID "Son las 6 y 29 minutos de la manana en los estudios de Radio Andina desde Huancayo, Peru." (4-May/Nozaki-JPN/Relampago DX)

5019.9 R. *Horizonte*, Chachapoyas; 0036-0110 ID "Son las 7 de la noche y 40 minutos a traves de Radio Horizonte..." mx pasillo program saludos y mensajes mx chicha advs. (23-May/Arrunategui-PRU/Chasqui DX)

5030.5 R. *Los Andes*, reactivated, 0100, with full frequency announcement, readable only on USB due to AWR QRM. Otherwise good level, and well modulated. (10-May/Klemetz-COL)

5068.7 R. *Ondas del Sur Oriente*, Cusco; 0010-0105 mx tropical salsa advs Inka Kola, la diferencia es clase, libreria Carlin, la mejor de Quillabamba ID "Ahora a nivel nacional e internacional Ondas del Sur Oriente..." (20-May/Arrunategui-PRU/Chasqui DX)

5139.8 R. *Amauta*, San Pablo, Cajamarca; 0120-0145 saludos a los amigos de Pampa Verde ID "Ya son las 8 de la noche y 22 minutos en Radio Amauta del Peru..." (20-May/Arrunategui-PRU/Chasqui DX)

5236.31 UNID hrd at 0950-1038 w/programs in Spanish and Quechua, lot of times heard the word "San Borja." (25-May/Barrera-ARG)

5385.3 R. *Huamarca*, Huamarca; 0020-0100 program Una paso a la agricultura -tratan sobre la siembra de la papa- ID "Por su Radio Huamarca..." advs. (6-May/Arrunategui-PRU/Chasqui DX)

5498.0 R. *Laja*, Chota; 0126-0205 mx criolla ID "Ya son las 9 de la noche en todo el territotio nacional por su Radio Laja..." mx ID "Musica y noticia para su deleite por su Radio Laja..." (7-May/Arrunategui-PRU/Chasqui DX)

5556.2 R. *Santa Fe*, Santa Cruz, Cajamarca; 0210-0215 mx romantica LA advs Como los mejores dulces son del señor Locio en esta ciudad de San Cruz ID "Y continuamos con Radio Santa Fe..." program Momentos Adorables. (16-May/Arrunategui-PRU/Chasqui DX)

5560.64 *Radio El Sol* (p), Pucara; 1205-1220 (f/out) weak signal, huayno and M talk in SS. Seemingly, the station is using the transmitter, formerly used by Radio Pucara which had transmitted on the same frequency in August 1984. (4-May/Nozaki-JPN/Relampago DX) 1132-1217 ID "A traves de Radio El Sol de Pucara..." advs ID "Radio El Sol, su mejor compania..." program Sabado fin de semana con mx tropical ID "Radio el Sol de Pucara te acompaña con Lucho Ramirez..." (26-April/Arrunategui-PRU/Chasqui DX)

5619.2 R. *Ilucan*, Cutervo, Cajamarca; 2326-0015 ID "Por Radio Ilucan desde Cutervo..." program Saludos y Mensajes mx ID "Este mensaje sera repetido el dia de manana por su Radio Ilucan..." (6-May/Arrunategui-PRU/Chasqui DX)

5700.03 R. *Frecuencia*, San Ignacio, Cajamarca 0215 Just caught the end of W anncr with San Ignacio mentions, then into a series of tunes by a small-

time acoustic combo, just an accordion, a couple of guitars, and harmony male vocals, very enthusiastic with shouts mentioning Cajamarca and Peru. W returned 0223 with ID "Radio Frecuencia San Ignacio" and into mensajes. Great signal and entertaining listening. (24-May/Novello)

5956.81 new *Radio Selecciones*, Chuquibamba, Condesuyos, Arequipa; 1131-1134 vy weak signal w/QRN from TGNA Radio Cultural (5955.13kHz). (4-May/Nozaki-JPN/Relampago DX)

5994.3 *R. Melodia*, Arequipa; 1155-1225 advs atencion Arequipa, la feria de los incas te ofrece el mejor local para tu negocio. ID "Radio Melodia program noticiario" (17-May/Arrunategui-PRU/Chasqui DX)

6095.0 *R. Nacional del Peru*, Lima; 1116 g, talk about Mothers' Day. (4-May/Nozaki-JPN/Relampago DX)

6096.29 *R. Interoceanica* (p), Azangaro; 1058-1127 poor condx due to QRM from Radio Nacional del Peru on 6095.0kHz. Varied LA vocals including cumbia, salsa and huayno. Heard M tlk in SS, but unfortunately it was impossible to get ID because of the strong QR... (4-May/Nozaki-JPN/Relampago DX)

6173.8 *R. Tawantinsuyo* unexpectedly in the clear @0005 with "La hora estelar de los incas del Peru", sponsored by local truck dealer Diesel Andina, followed by an esoteric show, "Cosas de la vida". ID, "R Tawantinsuyo, primera en el corazon del pueblo, por sus cuatro frecuencias, onda media, tropical, corta y FM 94.6". (18-May/Klemetz-COL)

6188.1 *R. Oriente*, Yurimaguas; 2212-2250* advs Todos los dias hay accidentes de transito en Yurimaguas, maneje con cuidado program Consultorio Agrario, tratan sobre la siembra de la soya poring. s/off 2247 w/NA. (3-May/Arrunategui-PRU/Chasqui DX)

6203.72 *R. Cuzco*, 2150-2157, melodic music by Jose Luis Rodriguez, at 2157 ID as "Desde el Cuzco al mundo, esta es Radio Cuzco..." by M anncr, then music. (3-May/Barrera-ARG) 0906-0930 fair w/non-stop OA folklore. (4-May/Nozaki-JPN/Relampago DX)

6250.7 *R. La Voz*, Andahuaylas, steady on this frequency for about two weeks, fading in by 2230 and still going for another couple of hours. (Klemetz-COL)

6261.1 *JBL* (or: JVL?), nightly with fair signals, for example May 10, 0015. (Klemetz-COL). R. JVL, also identifying itself as "Frecuencia Musical (and: Frecuencia Nacional) de los 62-60". Frequent adverts for *Electronica El Futuro*, Av. Tupac Amaru 105, run by some-one by the name of Leon Villanueva, which makes me wonder if this fellow has something to do with the station. A young basketball player by the name of Ester was invited to say hello on the air. As

a student at the local Colegio Juan Velazco Alvarado (Peruvian military dictator from the 70's) she greeted "la audiencia de R. JVA", which, if a 'Freudian slip', would indicate that station name is JVL rather than JBL. (20-May/Klemetz-COL)

6329.0 *R. Estacion "C"*, Moyobamba, San Martin; 2320-0003 nx program El Patrullero 6325 ID "Por estacion "C" NOTA: A las 0000 entran en // con R. Mar de Lima y la senal la cortan." (25-Apr/Arrunategui-PRU)

6420.3 *R. Mi Frontera*, May 9, 0140, good signal, noticed thanks to phone alert from Osterholm in Finland. Not on the air same evening. (Klemetz-COL)

6479.82 *R. Los Andes*, 0212-0220, May 4, folk OA music, at 0218 "Son las 9 de la noche con 18 minutos", pgm hosted my M anncr. (3-May/Barrera-ARG)

6520.2 *R. Ondas del Rio Marañon*, Aramango, Bagua, May 10, 2250 to about 2345 s/off, w/ preview of music request sessions for moms to start May 11, 1000. Slogan: "una senal viva surcando los Andes del Peru". Fair signal. (10-May/Klemetz-COL)

6535.8 *R. Huancabamba*, Huancabamba; 2255-0010* advs ID "Huancabamba, la nueva alternativa radial, estamos difundiendo una programacion variada para todos los gustos y para diferentes edades animado por diferentes comunicadores sociales... Radio Huancabamba, transmite para todo el Per y el Mundo la emisora de las grandes mayorias, escuchada por mas peruanos..." (26-Abril/Arrunategui-PRU/Chasqui DX)

6797.73 *Radio Ondas del Rio Mayo*, Nueva Cajamarca; 1135-1138 fair w/canned ID and many local advs. (4-May/Nozaki-JPN/Relampago DX) 0012-0045 mx ID "Y estamos saludando a traves de las Ondas del Rio Mayo..." advs Botica San Juan la que cuida su salud mx chicha ID "A todos los amigos que escuchan las Ondas del Rio Mayo de esta localidad de Nuevo Cajamarca y a lo largo y ancho del Peru..." (25-Abril/Arrunategui-PRU/Chasqui DX)

6895.0 *R. San Miguel* with slogan "la onda integradora", May 9, until s/off midnight. (Klemetz-COL)

6997.6 *R. San Ignacio* "la voz de la peruanidad", reactivated and on a new frequency, around 2300, with music, and lots of dead air. Good, strong signal. (9-May/Klemetz-COL) R. San Ignacio, Av. Santa Rosa 751, San Ignacio (Jaen), has been off the air for the last few days. Station is run by Cesar Colunche, who used to run R. Huancabamba, 6281v, silent for the time being but to hit the air again soon, per Colunche, May 11, when he was entertaining studio guests such as Lucho Julca, owner of Estereo 100, and Oscar Vasquez Chacon, ex-DJ on R. Frecuencia San Ignacio, 5700, and now mgr (not the owner) of R. Peru, 7032. Colunche said he'd take

phone calls at (0)94 716238 plus two other numbers. I gave it a try, but at the other end was a chap by the name of Evaristo Campos, who wasn't even at the station but at his own car repair business at Av. Santa Rosa 701. Colunche got the message, however, and in discussing habits of "radioaficionados" on the air, he remembered his "gran amigo Takayuki" who went to see him at R. Huancabamba.- This R. San Ignacio operation seems to be totally different from the one which was on 6751 in June 1995, on 6747.2 from Aug 1995 to July 1996, when they moved to 6746.2 and, in Sept, to 6753.3 which was to be their last recorded frequency. (Klemetz-COL)

7032.0 R. Peru, San Ignacio, reactivated, and on a new frequency, ex-5926v, May 10, 2250 and later with tropical music and ads. Uses slogan "R. Peru, la frecuencia internacional." DJ says they are on FM stereo in addition to SW. Poor-to-fair; R. San Ignacio, in the same town, on 6997.6, is considerably stronger. (10-May/Klemetz-COL)

7141.96 R. Ayabaca; 1154-1200 poor. Eventually I caught its signal here in Japan after hearing it during my stay in Lima in January 1997. (4-May/Nozaki-JPN/Relampago DX)

PHILIPPINES Radio Veritas changes effective 4th May.

1430-1525 Russian 9665 (ex-9670)
0000-0025 Sinhala 11820 (ex-9670)
0030-0055 Tamil 11820 (ex-9670)
1500-1555 Filipino 9540 (ex-11715)
1540-1545 DAILY 4880 15520

Das Gupta-IND/Goonetilleke-SRI/UADX)

Radio Veritas Asia final Z97 schedule shows RR services rearranged. Now 0230-0325 on 11805 and 1430-1525 on 9670. These services replace former broadcasts 2130-2225 and 1030-1125. Tagalog (Pilipino) services also retimed: 2230-2255 6075, 1500-1525 11715, 1525-1555 (Wed, Fri, Sun) 11715. CC broadcasts have been adjusted, now 2100-2255 6190, 1000-1155 9520. (Padula/EDXP)

FEBC Manila Z97: EE 0100-0300 15450 50 kW India/SEA, 0930-1100 11635 50 kW China/New Guinea, 1300-1600 11995 100 kW India/SEA. Initial morning services are now:

2230-2330 Indonesian 9780
2230-2315 Khmer 9495
2230-2300 Lao 9875
2200-0000 CC 9405

(Padula/Valentin-FEBC/EDXP)

POLAND Polish Radio Warsaw summer English schedule:

1200-1255 11815 9525 7270 7145 6095
1700-1755 7285 6095 6000
1930-2025 7285 6095 6035

(BDXC/Nieuwenhuis-HOL)

New relay outlet of Polish Catholic assoc. **Radio Marya**, noted on SW 6255 kHz at 1900-2000. Had tremendous signal, so assume at least 100 kW, not Amateur Radio equipment in use. (8-May/Bueschel-FRG/DX Window/DSWCI) Powerful signal, S9+40db in Moscow, perhaps via a transmitter somewhere in the European part of CIS. (8-May/Pashkevich-RUS)

PORTUGAL updated **RDP Internacional** schedule:

0000-0330	Portuguese	11840 9635 9600 9570 6150
0330-0400	English	9570 6150 Tu-Sa
0330-0400	Portuguese	11840 9635 9600 9570 6150 Su-Mo
0500-0600	Portuguese	7110 Mo-Fr
0600-0645	Portuguese	9780 7110 Mo-Fr
0645-0800	Portuguese	9780 9630 7110 Mo-Fr
0700-0800	Portuguese	21655 17595 15515 9780 7110 Sa-Su
0800-0900	Portuguese	9780 7110 Mo-Fr
0800-0900	Portuguese	21655 17595 15515 9780 9615 7110 Sa-Su
0900-0930	Portuguese	21655 15515 9780 9615 7110 Sa-Su
0900-1100	Portuguese	21655 17680 15515 9780 7110 Mo-Fr
0930-2000	Portuguese	21655 15515 9780 7110 Sa-Su
1100-1200	Portuguese	9780 7110 Mo-Fr
1105-1200	Tetum	17595 Mo-Fr
1200-1300	Portuguese	21515 17595 Mo-Fr
1200-1500	Portuguese	17745 15200 Sa-Su
1300-1330	Portuguese	21515 Mo-Fr
1330-1400	English	21515 Mo-Fr
1500-1800	Portuguese	21515 17745 15200 Sa-Su
1600-1700	Portuguese	11870 9655 9815 9780 7110 Mo-Fr
1700-1900	Portuguese	21655 15515 11870 9655 9815 9780 9655 7110 Mo-Fr
1800-2000	Portuguese	17745 15200 Sa-Su
1900-2000	Portuguese	15515 11870 9655 9815 9780 7110 Mo-Fr
2000-2030	English	9815 9780 7110 6140 Mo-Fr
2000-2100	Portuguese	9655 15515 Mo-Fr
2030-2100	French	9815 9780 7110 6140 Mo-Fr
2300-2400	Portuguese	11840 9635 9600 9570 6150

(BBCM + PanView-BUL/WWDXC TopNews/Bueschel-FRG)

RUSSIA Radio Rossi—European version

0100-0300	5910M 6110M 7325S 7345K 9845P 11575UM 12175UM
0300-0330	6110m 7325S 7345K 9845P 11575UM 12175UM
0330-0400	6110m 7105M 7325S 7345K 9845P 11575UM 12175UM

0400-0430 6110M 7105M 9845P 12175UM
 0430-0500 6110M 7105M 9845P 12025K 12065S
 12175UM 16330UM
 0500-0530 7105M 9845P 12025K 12065S
 16330UM
 0530-0600 7105M 9720M 9845P 12025K 12065S
 16300UM 16330UM
 0600-0630 7105M 9720M 12025K 12065S
 16300UM 16330UM
 0630-0800 7105M 9720M 11630P 12025K 12065S
 16300UM 16330UM
 0800-0830 7105M 9720M 11630P 12065S
 16300UM 16330UM
 0830-0930 7105M 9720M 11630P 11720K 12065S
 16300UM 16330UM
 0930-1000 7105M 9720M 11630P 11720K 11750S
 16300UM 16330UM
 1000-1030 7105M 9720M 11720K 11750S
 16300UM 16330UM
 1030-1300 7105M 9720M 11720K 11750S 12045P
 16300UM 16330UM
 1300-1330 7105M 9720M 11720K 12045P
 16300UM 16330UM
 1330-1400 7105M 7355S 9720M 11720K 12045P
 16300UM 16330UM
 1400-1430 7105M 7355S 11720K 12045P
 16330UM
 1430-1500 6030M 7105M 7355S 11720K 12045P
 12175UM 16330UM
 1500-1530 6030M 7355S 12045P 12175UM
 16330UM
 1530-1600 5905M 6030M 7355S 9560K 12045P
 12175UM 16330UM
 1600-1630 5905M 6030M 7355S 9560K 12175UM
 1630-1800 5905M 6030M 7200P 7355S 9560K
 11575UM 12175UM
 1800-1830 5905M 6030M 7200P 7355S 9560K
 11575UM
 1830-2000 5905M 6030M 7200P 7355S 8005UM
 9560K 11575UM
 2000-2030 5905M 7355S 8005UM 9560K
 11575UM
 2030-2300 5905M 7355S 7380P 8005UM 9560K
 11575UM

M=via Moscow K=via Krasnodar P=via St. Petersburg
 S=via Samara UM=USB via Moscow

Radio Rossii—West Siberian version

2100-1800 7220 via Yekaterinburg

Radio Rossii—East Siberian version

1030-1700 9655I 9815N
 1900-2200 9655I 9815N
 2230-1000 9870N 15475I

I=via Irkutsk N=via Novosibirsk

Radio Odin (Radio Orbita-3)

0000-0200 6195S 7270R 9790Y
 0200-0230 7270R
 0230-0300 7270R 9605S 11695Y
 0300-0330 9605S 11695Y
 0330-0700 9605S 11695Y 11990R

0700-0730 9605S 11695Y
 0730-1000 9605S 11695Y 11940R
 1000-1030 9605S 11940R
 1030-1300 9605S 9790Y 11940R
 1300-1330 9605S
 1330-1430 9605S 9645R
 1430-1700 9645R
 2200-2400 6195S 7270R 9790Y

R=via Saransk S=via Samara Y=via Yekaterinburg

Radio Mayak

0000-0200 9670M
 0200-0400 5925P 5935P 5950A 7440R 9670M
 0400-0430 5935P 5950A 7440R 9670M
 0430-0500 5925P 5950A 9470R 9670M
 0500-0530 5925P 5950A 9470R 9670M 11985P
 0530-0600 5925P 5950A 9470R 9670M 11985P
 12005P
 0600-0630 5925P 9470R 9670M 11985P 12005P
 0630-1000 5925P 9470R 9610A 9670M 11985P
 12005P
 1000-1030 5925P 9470R 9610A 9670M 11985P
 1030-1200 5925P 9470R 9610A 9670M 11685P
 11985P
 1200-1230 5925P 9470R 9610A 11685P 11985P
 1230-1300 5925P 7240M 9470R 9610A 11685P
 1300-1400 5925P 6015L 7240M 9470R 9610A
 9885P 11685P
 1400-1430 5925P 6015L 9885P
 1430-1500 5920A 5925P 6015L 7345R 9885P
 1500-1800 5920A 6015L 7345R 9885P
 1800-2100 5920A 6015L 7240M 7345R 9885P
 2100-2200 5920A 7240M 7345R 9885P
 2230-2400 9670M

A=via Arkhangelsk (USB+carrier) L=via Kaliningrad
 M=via Komsomolsk/Amur P=via St. Petersburg R=via
 Saransk Volgograd transmitter is off.

Radio Islamskaya Volna (Islamic Wave) (in RR/
 AA/Tatar)

1500-1530 9730S 9880M Tu-Fr
 1530-1600 7325K 9730S 9880M Tu-Fr

K=Krasnodar M=via Moscow S=via Samara

Radio Kala Aturaya (Voice of the Assyrians) (in
 Assyrian/RR/EE/Persian/AA)

1500-1530 9880M Sa
 1530-1600 7325K 9880M Sa

K=via Krasnodar M=via Moscow

Adygey Radio (in Adygey/AA/Turkish)

1700-1800 7325 via Krasnodar Mo/Fr

Kabardino-Balkar Radio

1730-1800 7325 via Krasnodar We/Su

(all via Nikolai Rudnev-RUS)

Per a query by Jay Novello: Jay's observations
 are completely right: *Voice of Mediterranean* is
 testing via Jülich at 1800-1900 on 5890 and 9765
 kHz. At the same time VoR is interfering on 9765
 kHz. From 1900-2000 VO Mediterranean is using the

Russian site for their daily English program to Europe (now one hour earlier) on 9765 and // 12060 kHz, followed by Arabic 2000-2100 on weekdays. Sundays: French at 2000-2030, German 2030-2100. (Kaule-MALTA/Bethge-FRG/WWDXC)

RFI via Russian relays: 7420 Novosibirsk 2200-2300 CC; 9830 Dussouriisk 2200-2300 CC, 12005 2300-0000 FF; 12025 Irkutsk 0930-1030 CC, 1100-1200 Lao, 1200-1300 Cambodian; 12075 Novosibirsk 1200-1300 CC (Padula/EDXP)

VOA relays via CIS facilities:

7150	2200-2300 VOA	CHIN IRE/RUS
11990	1300-1500 VOA	CHIN NOV/RUS
12025	1400-1500 VOA	TIBE KAM/ARM
12065	2130-2200 VOA	KORE PET/RUS

(IBB schedule/WWDXC TopNews/Bueschel-FRG)

IBRA Radio [Swedish Whitsun religious movement] in Arabic "Bismallah as Sabakh" at 2000-2100, on Samara 5935 250 kW, Moscow 12015 200 kW, and Moscow 12020 kHz 500 kW. (18-May/Bueschel-FRG/WWDXC TopNews)

Universal Life Radio in English 1430-1525 new Jigulevsk 15460 (x9830) kHz 240 kW 190 degr. (8-May/PanIview-BUL/WWDXC TopNews/Bueschel-FRG)

RWANDA 6055 2055 R. Rwanda, Traditional-sounding FF pop music, M DJ. He said "bonsoir" and read a FR signoff routine; then W in EG with "Radio Rwanda" ID mentioning the 6 FM frequencies listed in WRTH, and in the 49 meter band, 6.055 MHz. Then M with Swahili s/off routine, anthem 2101, tone, and off. Tnx Mark Veldhuis tip via #swl. (24-May/Novello)

SLOVAK REPUBLIC AWR-Rimatska Sobota noted on NF 9455, ex 9440, with AA 2130-2200, FF 2200-2230* (17-May/Padula/EDXP)

Radio Slovakia International. Z97 (fr Mar 30-Oct 26)

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 15460 17570
0900-0930	Slovak	11990 15460 17570
1300-1330	Russian	9440 11990 13715
1330-1400	German	5915 6055 7345
1500-1600	Slovak	5915 6055 7345
1600-1630	French	5915 6055 7345
1630-1700	English	5915 6055 7345
1700-1730	Slovak	5915 6055 7345
1730-1800	Russian	5915 7345 9485
1800-1830	German	5915 6055 7345
1830-1900	English	5915 6055 7345
1900-1930	Slovak	5915 6055 7345
1930-2000	French	5915 6055 7345

(R. Slovakia Int./Kubiak-FRG)

SOUTH AFRICA The Investment Channel has ceased broadcasting from the Sentech site, the last program airing at 2200 on 12 May. (Kathy Otto-SENTECH/RNMM) [This should come as no surprise to anyone who managed to catch one of their short-lived, amateurishly dull broadcasts, all of which made the station sound more like a fancy solicitation scheme than a legitimate news and info organization. Good riddance!-AQ]

The new **World Music Radio**—WMR—will commence broadcasting as of May 31st 1997 and will be on the air every Saturday and Sunday at 1800-2200 on two frequencies: 3345 kHz (for Southern Africa only) and 6290 kHz for "the rest of the World". The transmitter site is South Africa, and Africa will be the prime target area for the new broadcasts of WMR. However the strong signals of the 250 kW transmitter is also believed to be well heard in parts of Southern Asia, the Middle East and Europe. (DSW-CI Hotnews) Tests in mid-May widely heard in target area and elsewhere.

SUDAN State-owned **Sudanese Radio** in Omdurman is continuing to broadcast test announcements in Amharic and Somali inviting listeners to report on their reception. They are transmitted on 9024 kHz between 1530-1700, when the station begins its regular external service broadcasts on that frequency in French (at 1700-1800 and English (at 1800-1900)).—The frequency of 9024 kHz is also used at other times of the day for Sudanese radio domestic service broadcasts in Arabic. The station is using this particular frequency in order to jam the broadcasts of the opposition radio station, **Voice of Sudan**, which transmits on 8000, 9025 and 10000 kHz at 1715-1915. (3-6 May/BBCM)

SWEDEN Radio Sweden, Stockholm, observed on NF 7135 with EE 0230-0300 to Americas, 10 May. Also on NF 9430 with EE 2120-2200, QRM from Athens 9425. (17-May/Padula/EDXP)

TAJIKISTAN VoTibet 1220-1255 new 11570 kHz via Dushanbe 200 kW, 125 degr. (also bought transmission time on 11550 and 11560 kHz.) Ex Tashkent-7400 kHz. (8-May/PanIview-BUL/WWDXC TopNews/Bueschel-FRG) Its also interesting to note that VOT is sticking very close to Radio Free Asia's Tibetan broadcasts. When VOT was on 7400, RFA was on 7355 and now RFA is on 11575 just 5kHz up! VOT closes at 1257 and RFA starts at 1300! (Goonetilleke-SRI/UADX)

A Tamil group in London—former BBC employees—are planning their own organization to provide news service to Tamil-speaking areas of the world. IBC—the **International Broadcasting Corporation**—conducted their first test on 15, 16 and 17 May at 1330-1430 via Dushanbe, Tajikistan on 12070 kHz for south India and Sri Lanka. 24-hour broadcasts

have already begun on satellite, and regular short-wave broadcasts—from 1300-1400—also may have begun by time you read this. (15-May/RN Media Network/BBCM) Test reception only fair at best due to signal strength. Might shift to another CIS location. Yet to see whether this is a genuine broadcaster or a politically motivated station. (19-May/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-FRG)

THAILAND 6149 *Radio Station Or Sor* broadcasting from the Royal Palace in Bangkok was heard in Northern Thailand at 0330 until sign off at 0500. (Lohuis-THAI/DX Window/DSWCI)

BBC World Service is moving its 6085 to 6140 kHz at 1400-1500 via Thailand relay. (WWDXC TopNews/Bueschel-FRG)

TURKEY TRT schedule:

0000-0400	Turkish	15385 9460 9445 5980 5960
0300-0400	English	15190 7300 7270 6135U
0400-0700	Turkish	17705 15385 15145 11955 9565 9460 9445 6170
0700-0900	Turkish	17705 15385 15145 13670 11955 9565 9460
0730-0830	Azeri	11835 9765
0830-0930	Persian	13770 11795
0900-1100	Arabic	15630 13710
0900-1200	Turkish	17705 15350 11955 11910(Fri only from 1000) 9460
0930-1030	Romanian	9630
0930-1030	Serbo-Croat	9505
1030-1130	Greek	9770 7150
1100-1200	Chinese	15210
1130-1230	Albanian	9670
1130-1230	Bulgarian	7110
1200-1300	Urdu	13725
1200-1500	Turkish	15350 13670(from 1300) 11955 11910(Fri only) 9560 9460
1230-1330	English	15290 13750L
1300-1400	Persian	11995
1300-1400	Russian	11965
1330-1430	German	11800
1400-1500	Azeri	11865
1400-1600	Arabic	9600 9515
1430-1530	Greek	7110
1500-1600	Turkish	15350 11955 9460 5980
1530-1630	Hungarian	9535
1600-1700	Bulgarian	6105
1600-1700	Turkish	15385 9560 9460 7115 5980 5960
1630-1700	Macedonian	7160
1700-1800	Russian	9675
1700-2100	Turkish	15385 9560 9460 7115 5980 5960
1730-1830	German	9630U 9445

1800-1900	Serbo-Croat	6135
1830-1930	English	13695U 9445
1930-2030	French	9675 9445 7255
2100-2200	Turkish	15385 9560 9445 7115 5980 5960
2200-2300	English	9655 9560 7280 6130U
2200-2300	Turkish	15385 9460 9445 5980 5960
2300-2400	Turkish	15385 9460 9445 5980 5960

(BBCM + 8-May/PanIview-BUL/WWDXC TopNews/Bueschel-FRG)

TURKMENISTAN During a recent visit to *Turkmen Radio* in Ashgabat, I got the following information in addition to a QSL. Although the WRTH still mentions the "Voice of Turkmen" programs, they were dropped when Turkmenistan became independent on October 27, 1991. Their true Foreign Service seems to have remained largely unknown. It was started on September 4, 1993. When it ended on April 18 last, they had English Mondays to Fridays at 1900-2000 and Russian at the same time on Wednesdays. Frequencies: 279, 675, and 5015 kHz. The service may return some time in the future, however. (5-May/van Delft/DX Window/DSWCI)

UNITED ARAB EMIRATES-ABU DHABI Final J97 schedule, all programs in Arabic:

0200-0400	6180 9695 15315 17770 21735
0400-0500	6180 9695 21630 21735
0500-0600	7215 9695 21630 21735
0600-0700	7215 15265 21735
0700-0800	7215 15265 17760
0800-0900	13605 15265 17760
0900-1300	13605 15265 17760 21735
1300-1400	9605 13605 17760
1400-1500	9605 11945 13605 17760
1500-1600	9605 11945 13605 15265
1600-1700	6180 9695 9770 13605 15265
1700-1800	6180 9695 9770 11710 15265
1800-2000	6180 9695 9770 11710 11945
2000-2200	6180 9770 11710 11945

(Padula-AUS/EDXP)

Abu Dhabi noted from 0850 on unlisted 17825 and// 17885 in AA, music and announcements. On 17885 from 0900 terrible mess with Kuwait. (27-Apr/Ludwig/EDXP/Padula-AUS)

URUGUAY CX8 R. Sarandi bought *Radio Libertad Sport* for \$1,130,000, to be part of a multimedia sports group. CX18 *Radio Libertad Sport* (890 MW & CXA61 6045, inactive) will be renamed as "Sarandi Sport". Concerning the SW activity of the now sold *Radio Libertad Sport*, its uncertain what will happen. The "Radio Integracion Americana" project on 6045 is now confirmed as defunct. (9-May/Nigro/DX Window/DSWCI)

5780U Uruguayan Navy ute transmitter, Montevideo used as feeder to relay soccer match transmissions from AM stations in Montevideo to the crew aboard of the school ship "Capt. Miranda" for important matches playing the "Libertadores de America" Cup. Hrd on May 6, relaying CX22 R. Universal (1070) 0110, and CX16 R. Carve (840) the next day. This 5 kw transmitter was also heard relaying radio-telephone family chats. (6-7-May/Nigro/DX Window/DSWCI)

USA The *Voice of Greece* is planning on using VOA sites at Delano and Greenville to reach North America. Watch 9590 (Delano) between 1200-1350. (VOG/Bevis/Hauser/WOR)

Radio Marti schedule, all transmissions in Spanish:

0000-0300	7365 6030
0300-0400	7405 7365 6030 Tu-Su
0400-0500	7405 6030 Tu-Su
0500-0900	6030 Tu-Su
0900-1200	6030 5890
1200-1400	9565 7405
1400-1700	13820 11930 11815
1700-2200	13820 11930 9825
2200-2300	15330 13820 11930
2300-2400	15330 13820 6030

(BBCM)

KJES

0100-0230	7555
1300-1600	11715
1800-1900	15385
2000-2100	15385

(Humenyk-CAN)

WENW Worldwide Catholic Radio

0000-0300	Spanish	15375
0000-0800	English/SS	6890
0000-0900	English	5825
0300-0800	Spanish	9370
0800-1100	Spanish	5960
0800-1300	English/SS	7425
1000-2200	English	15745
1100-1400	Spanish	9465
1300-1400	English/SS	7425 11875
1400-1600	English/SS	9455 11875
1400-2400	Spanish	15375
1600-2000	English/SS	11875 13615
2100-2400	English/SS	6890 13615
2200-2400	English	9975

(Humenyk-CAN)

Per a QSL, **WINB** sked:

0000-0600	11950
2000-2400	13790

(Humenyk-CAN)

KVOH, Ranch Simi:

0000-1500	9975
1500-1900	17780
1900-2100	9930(via Tbilisi, Georgia) 17780
2100-2400	17780

(G. Jacobs & Assoc./Contact/Humenyk-CAN)


Last month's LN discussed another new U.S. independent shortwave station being planned for Macon, Georgia. Now comes news that a new station planned for St. Mary's, Georgia, has been approved by the Feds and issued the callsign **WEUR**. (McClintock-WWCR/Hauser/WOR) [Don't know if these two are one and the same station, but no doubt each will fill an important void in the current international broadcasting spectrum, helping to cement the sterling reputation for fairness and quality entertainment already established by this nation's independent shortwave voices.—AQ]

UZBEKISTAN *Radio Tashkent* to SoAsia morning service 0100 English, 0130 Dari, 0200-0230 Pushtu, observed here in EUR on new strong 7195 kHz./medium leveled 7190 and 9375 kHz, and poor 9530 kHz in parallel. (2-May/Bueschel-FRG/WWDXC TopNews)

Democratic Voice of Burma in Burmese 1230-1300 new 7330 and 11830 kHz. (8-May/PanView-BUL/WWDXC TopNews/Bueschel-FRG)

VATICAN schedule changes for *Vatican Radio*: 1450-1530 Hindi Tamil Malay English 12765 (ex 9949) Asia, 1550-1610 Mass in English (Sat) 13765 (ex 9940) Africa, 0230-0330 FF/EE/SS 9605 (ex 6095) America, 0040-0230 Hindi Tamil Malay EE 9650 (ex 5980) Asia, 2130-2200 JJ 11830 (ex 7310) Asia, 2200-2300 CC 11830 (ex 6065) Asia, 2245-2300 EE 11830 (7305) Asia. (Padula-AUS/EDXP)

VIETNAM new v7153 kHz *RTV Bac Thai*, fade in approx. 0945-1430*, most of the time Hanoi relay /5924.5. Local program at around 1300 til s-off, take care with ID's. (4-19-Apr/Schulze-PHL/DX Window/DSWCI)

ZAMBIA By time this hits print, *Zambia National Broadcasting Company* (ZNBC) should have two new 100-kW transmitters online. These new Continental senders—paid for and installed by the Chinese government—will replace aging senders provided by the Chinese some two decades ago. Three new "lazy-H" antennas (60, 49, 41 mb) are also being installed in conjunction with the new transmitters. (1-May/Stubbe/HCB/BBCM/DX Window/DSWCI) 

Pirate Radio Report

Chris Lobdell

P.O. Box 146
Stoneham, MA 02180-0146
Internet: piradio@usa1.com

Hi and welcome to another PIRATE RADIO REPORT. Sorry about last month but a rather large schedules section got us bumped out of the line up. Anyway, we're back and all information for both the May and June editions is included in here.

Return Of The AM Pirates!

When I talk to many DXers about listening to pirate stations, one of their main complaints is that the stations broadcast in sideband, the signals are drifts and hard to tune in, plus the music sounds terrible in sideband.

Well, I've got good news for you. The month of May brought the appearance of two new pirates who broadcast in AM. Both stations have very nice sounding audio and strong signals throughout North America.

Who are these pirates you ask?

Well, the first one to make an appearance was KRAP. KRAP was first noted on May 5th putting in a great signal on 6950 kHz around 0030 UTC.

The station op goes by the name of Fred Flintstone [gee, I wonder if he's related to Yabba Dabba Doo of Radio Two?]. The format for this one seems to be classic rock from the 70's and 80's. According to the maildrop operator, they will be using Box 109, Blue Ridge Summit, PA 17214 as their forwarding address.

The second station, RADIO METALLICA WORLDWIDE was first heard here around 0025 on May 10th on 6955 kHz.

This outlet likes to play hard rock as its name implies. Dr Tornado is what the operator calls himself. He claims to be "the most powerful pirate station in the nation" and says he's operating a full 10 kw!

No one knows if he's telling the truth of course, but he's been heard in Scotland,

Germany and Uruguay so one thing's for sure, he's definitely not using one of those 10 watt "grenade" transmitters. RADIO METALLICA WORLDWIDE has yet to announce a maildrop but promised an internet address soon. As soon as we find out what it is, we'll announce it here in the PIRATE RADIO REPORT.

Radio Ship Project Floundering

As I mentioned last month, I got in touch with Allan Weiner, who is in charge of outfitting the ocean going tug Electra as a floating radio station.

What Allan said was that the religious group funding the project has failed to come through with a promised \$20,000-30,000 that would complete the repairs to the ship's hull and pay for the transmitters.

The project is in limbo until the money is received, if it is received at all. Weiner did disclose the destination of the ship was to be a Caribbean country.

I guess we'll just have to see if this project sinks or floats!

1997 Pirate Radio Directory Available

The 1997 edition of the Annual Pirate Radio Directory edited by George Zeller and Andy Yoder is now available. This soft cover, 8.5 x 11 inch format book from Tiare Publications lists all North American shortwave pirates that were heard in 1996. The book lists addresses, format information, DJ names and includes a brief history of the station's activities.

You can buy this from Andy Yoder's Cabinet Communications for \$11.00 plus \$2.00 shipping and handling in the USA. PA residents must also add sales tax. Make checks or

money orders payable to Cabinet Communications. Their address is Box 642, Mont Alto, PA 17237. It will also be available from Universal, Grove and direct from Tiare Publications as well.

Radio KAOS Calls It Quits!

I'm afraid to say that another popular pirate has made it's last broadcast. This popular station was heard from coast to coast with a nice blend of music and comedy. Joe Momma and company, you will be missed!

Book Review

ACCESS TO THE AIRWAVES-MY FIGHT FOR FREE RADIO by Allan H. Weiner [as told to Anita Louise McCormick].

[Loopanics Unlimited, soft cover, 1997.

Did you ever wonder why Allan Weiner would go through so much toil and trouble to set up two radio ships only to see them fail? Well, this excellent new book on the life of Weiner shows what makes him tick. It traces his life as a boy who used to take radios apart and put them back together, through his high school years where he was constantly in trouble with the authorities all the way up to the present.

I found the book to be great reading! All the information about the outfitting of the Radioship Sarah and Radio New York International is in there as well as ill fated Fury 5/ Brother Stair radio ship project.

There are some interesting segments of the book which cover Weiner's involvement in legitimate radio undertakings in New York and Maine which demonstrate his desire to make radio profitable under adverse circumstances.

I think you'll find *ACCESS TO THE AIRWAVES* an interesting read. You can order the book directly from Loompanics Unlimited by calling toll free 1-800-380-2230 [360-385-7471] The book is \$17.95 plus \$4.95 S&H in the USA. My book arrived in about a week.

Loggings

Thanks to Dan McCarthy in Georgia, we have loggings!

MYSTERY RADIO was noted from 0130-0200 UTC on April 13th with uninterrupted music and a couple of IDs on 6955 kHz USB. They use Box 146, Stoneham, MA 02180 as their maildrop. [McCarthy-GA]

RADIO EUROGEEK was noted on April 7th on 6955 kHz from 0217-0244 with parodies of movies, pills and an announcer sounding like Harpo Marx. Write to them at Box 28413, Providence, RI 02908 [McCarthy-GA]

RADIO KAOS was heard on April 13th with their last broadcast on 6955 kHz USB from 0002 UTC but the signal was covered by two other pirate signals. Not much was heard. [McCarthy-GA]


WREC/Radio Free East Coast was heard on 6955 USB from 0225-0245 UTC on April 13th with a comedy program. You can write to them at Box 1, Belfast, NY 14711. (McCarthy-GA)

Come on guys, how about supporting your club and sending in a few logs for next month?

Vote In The Pirate Poll!

I'm still looking for your votes for your **THREE FAVORITE PIRATES!** If you can't think of three that you like, just send in one or two choices, that's fine! Also, if there's a particular pirate program that you liked, past of present, let's hear about that too! Because last month's column was missing, we are extending the voting period until July 1st. Also, please send your pirate logs as we need them! They can be sent via Fred Kohlbrenner or directly to me. I'll be waiting for them!

With the longer days, the 43 meter pirate band should propagate longer into the evenings. Remember to tune to either side of 6955 because if you don't check the adjacent frequencies, you may be missing something!

Until next month, Happy Pirate DX! 

QSL Report

Sam Barlo
47 Prospect Place
Bristol, CT 06010



IMF
WORLD MISSIONS

via Neal Lobdell & others

LA VOZ de MISIONES INTERNACIONALES
de
CENTRO AMERICA
The Voice of IMF World Missions
from
TEGUCIGALPA, HONDURAS

HRMI

1480 Khz MW 5890 Khz SW



This confirms your reception report of 1-10-1997

13:23-13:35
Time

5890kHz 200 WATTS
Output Power

[Signature]
Director

Full Gospel Radio From Central America.

SPECIAL OFFER: Your QSL Editor is offering foreign postage stamps to use as enclosures or gifts with your reception reports. We are offering 600 stamps for \$5.00; 1300 stamps for \$10.00 or 2000 stamps for \$15.00. With each \$5.00 order we will include absolutely free at least 300 US stamps, most of which will be commemoratives! That's a total of 900 stamps for only \$5.00; 1900 for \$10.00 or 2900 for only \$15.00. You will be amazed at the types of stamps in the package. Please try to include two or three dollars for mailing costs. Most domestic orders orders will be mail Express..Sam.

Last month we left off at Sulawesi so we will pick up the QSL Column from that point...Sam.

- SUMATRA:** RRI Tanjungkarang 3395 f/d cd. w/ personal ltr. in 63 ds. for IN rpt. and ms. v/s Drs. M.H. Nasir Aguniimba, Kepala Stasiun. (Sgrulletta)
- SWAZILAND:** Trans World Radio 4760 f/d cd. in 6 wks. for \$1.00. (Maroti-NY).
- SWEDEN:** Radio Sweden 6065, 9430 and 11650 f/d cd. in 20 ds. (Humenyk). 6200 f/d "Stockholm Parade" cd. in 27 ds. for 2 IRCs. (Kusalik-ALB).
- SWITZERLAND:** Swiss Radio International 9885 f/d "Main Street Shops" cd. in 37 ds. (Strain). 6165 via Lenk f/d "Covered Wooden Bridge" cd. in 61 ds. (Humenyk). 9885 via Schwarzenburg f/d "Central Swiss Home" cd. in 67 ds. (Humenyk). 9885 f/d "Lucerne" cd. w/ sticker and sked. in 42 ds. This via the Sottens site. (Humenyk). 9905 via Sarnen f/d "Sion-Valere Castle" cd. in 80 ds. (Humenyk).
- SYRIA:** Radio Damascus 12085 f/d "Globe" cd. in 105 ds. w/ sticker and sked. Newspaper was rcvd. (Humenyk).
- TAIWAN:** Voice of Free China 9610 f/d "Kanting National Park" cd. w/ sked. and newspaper in 7 wks. v/s Carlson Wong. (Maroti). 9680 same in 47 ds. (Humenyk). 15345 "Latern Festival" cd. w/ sticker in 32 ds. (Hosoya).
- THAILAND:** Radio Thailand 9810 f/d cd. in 44 ds. for \$1.00. (Pasquale-PA). 9505 f/d "Golden Pagoda" cd. in 7 wks. My 1st QSL from Thailand since 1967! (Loudell-DE).
- TIMOR:** Emisora de Radio Timor 3668 f/d ltr. in 2 yrs. v/s Harry A. Sila-laki, Kepala. (Field-MI).
- TURKEY:** Voice of Turkey 7280 f/d cd. w/ sked. and stickers. (Strain). 5965 same in 75 ds. (Humenyk). 9655 f/d "Ankara" cd. in 93 ds. w/ sticker and sked. (Palmerheim). 6120 folder cd. in 40 ds. (Vaghjee-MAUR).
- UKRAINE:** Radio Minsk 11840 via Kiev f/d "Melnikaite Street" cd. in 218 ds. (Humenyk)
- Radio Ukraine International 5915 cd. in 40 ds. (Vaghjee). 5905 f/d cd. in 58 ds. (Humenyk). 17745 via Simferopol f/d cd. w/ sked. in 101 ds. (Humenyk). 7150 f/d plain "Logo" cd. in 73 ds. for 1 IRC. (Weissborn-TX).
- USA:** WSHB 7510 and 18930 f/d "Tower" cd. in 100 ds. v/s Judy P. Cooke. (Humenyk)
- WCRC 2390 p/d cd. w/ sked. in 23 ds. (Humenyk). WRNO 7355 p/d "DX Club" cd. w/ sked. in 45 ds. (Humenyk). WINB 11950



BHUTAN BROADCASTING SERVICE

P.O. BOX NO. 101
THIMPHU, BHUTAN

QSL CARD

RECEPTION CONFIRMED BY
BHUTAN BROADCASTING
SERVICE FOR:—

..MONDAY 22 JUNE 1987

..1332..1401..GWT..

..6035..KHz..

TX: SKW
FOLDED DIPOLE
DAILY IN THE
40 METRE BAND 50.5 KHZ
MONDAY TO SATURDAY
1700—2100 HRS EST
SUNDAY 1000—1600 HRS
EST
BST = GHT + 6via Barry
Williams

FOR BHUTAN
BROADCASTING SERVICE

f/d cd. in 73 ds. v/s
Fred W. Wise. (Humenyk).
WYFR 6065 f/d cd. in 45
ds. (Humenyk). **WHRI** 9495
f/d cd. w/ sked. in 250
ds. v/s Loren Holycross.
(Humenyk). **WENW** 15375
f/d cd. w/ sticker and
schedule in 152 ds. (Hu-
menyk). f/d cd. in 3½
wks. for ms. (Raymond).
9455, 11875, 13615 and
15665 f/d cd. in 25 ds.

w/ sticker and schedule. (Humenyk). **KTBN** 15590 and 7510 f/d cd. w/ sticker in 11 ds. (Humenyk). **WJCR** 7490 f/d cd. w/ personal ltr. in 60 ds. v/s Gerri Powell. (Humenyk). same in 11 ds. for ms. (Bueneman-MO). **KJES** f/d cd. w/ schedule in 51 ds. v/s Michael Kent. (Humenyk). **WWCR** 12160 for "Great American Polka Show" in 12 ds. v/s Jack Burns. (Humenyk-ONT) **Radio Free Asia** 2 page n/d ltr. w/ sticker in 2 mo. (Pedor-NV). 7530 same w/ sticker in 5½ mo. (Berg-MA). **WRMI** 9955 "Wavescan Program" f/d cd. in 3 mo. w/ schedule for \$1.00. v/s Dr. Adrian Peterson. (Kusalk). **VOA** 15365 via **Greenville** f/d "Niagara Falls" cd. in 37 ds. w/ pennant. (Humenyk). 9565 via **Delano** f/d "Greenville" cd. w/ sticker, pennant & schedule. (Humenyk). **Voice of Free China** 5950 and 9985 via **WYFR** f/d "Maopiton, Kanting National Park" cd. w/ schedule in 40 ds. (Humenyk). * **Horizon FM 92.9** via **WRMI** 9955 f/d ltr. w/ sticker and station info. in 9 wks. v/s Marcel Rommerts, QSL Secretary. Addr: P.O. Box 80, 5595-7H Leende, Holland. 50 watts. (Berg-MA). same in 5 mo.

UZBEKISTAN: IBRA Radio 7400 via **Tashkent** (Field-MI)

* f/d cd. in 2 wks. (Field-MI). **Trans World Radio** 7430 f/d ltr. in 2 mo. v/s Anna Marie Dobos. (Field)

Radio Nederlands 5905 via **Tashkent** f/d cd. in 593 ds. v/s Asbari N. Krisna, Indonesian Service. (Hu-

VATICAN: Radio Vatican 9500 f/d cd. in 87 menyk). ds. w/ schedule. (Weissborn-TX).

VENEZUELA: YVTO 5000 p/d cd. w/ ltr. in 131 ds. for 1 IRC. (Neal-TX). same in 10 wks. for a SP rpt. and ms. v/s CN Jose Fuentes Goitia, Director. (Myers)

VIETNAM: Voice of Vietnam 9840 cd. in 26 ds. (Hosoya)

YUGOSLAVIA: Radio Yugoslavia 6100 "Map" cd. in 125 ds. (Vaghjee). 9580 f/d cd. in 174 ds. (Pasquale-PA)

ZAMBIA: Radio Christian Voice 3330 f/d E-mail reply in 1 mo. v/s Philip Haggard, Station Manager. v/s B. Phiri. (renfrew). p/d ltr. in 5 wks. (Maroti-NY)

p/d form ltr. w/ schedule in 2 mo. (Lazarus-LA).
ZIMBABWE: ZBC Radio 2 3306 p/d large cd. in 11 wks. for \$1.00. (Maroti-NY) same in 2 wks. for \$1.00 (Maroti-NY).

ALASKA: KNLS 7365 f/d cd. w/ personal ltr. in 145 ds. (Humenyk).

ALBANIA: Trans World Radio 9445 via **Cerrik** f/d cd. in 5 wks. (Renfrew).

ANGUILLA: Caribbean Beacon 11773 cd. in 35 ds. w/ schedule for 1 IRC. (Vaghjee). 11775 f/d prepared cd. in 32 ds. for ms. v/s B. Monsell Hazell

ARGENTINA: LRAI Radio Nacional de Buenos Aires 11710 f/d (Sgrulletta) cd. w/ personal ltr. in 192 ds. for 1 IRC. (Neal-TX).

ASCENSION ISLAND: VOA 11855 f/d "Mt. Renier" cd. in 16 ds. (Maroti). **RAI** 15320 p/d "Antonio Fontanesi" painting cd. in 1 mo. (Loudell-DE)

ASIATIC RUSSIA: Radio Nederlands 9810 via **Irkutsk** f/d cd. in 3 wks.

* (Maroti). **Trans World Radio** 7205 via **Ussuriysk** f/d personal ltr.

in 2 mo. (Field-MI). **Voice of Russia** 13665 f/d cd. in 44 ds.

from **Petropavlovsk-Kamchatsky** site. (Palmerheim). 13790 via **Khabarovsk** f/d cd. in 44 ds. (Palmerheim-WA).

AUSTRALIA: Radio Australia 9660 via **Brandon** "Sunrise" cd. w/ sked. in 6 mo. for 1 IRC. (Vaghjee-MAUR).

RADIO REPUBLIC INDONESIA
STATION REGIONAL I MERAUKE
* P.O. BOX 111 MERAUKE, DISTRICT MERAUKE, IRIEN



To Mr/Ms Edward Raush

We are pleased to verify your reception report of Latvian Radio Riga broadcast on 5.735 kHz at 19.20 UTC on 23/01/97

Please note our address:
Latvijas Radio
P.O.Box 266
LV-1098 Riga
Latvia

Sincerely,

Jogita Cinkus,
Mailbag Editor

9580 via Shepparton same cd. w/ sticker, calendar and sked. in 5 1/2 mo. (Loudell). VLN 9850 via Darwin f/d cd. in 145 ds. for 2 IRCs. (Neal-TX).

AUSTRIA: Radio Austria International 9655 via Moosbrunn f/d cd in 15 ds. (Humenyk).

BELARUS: Radio Minsk 7105 "Victory Square" cd. in 40 ds. (Vag-hjee-MAUR).

BELGIUM: Radio Vlaanderen International 5910, 9925 and 13685 p/d "Hoena Brussels Team" cd. in 57 ds. (Humenyk). 5900, 9925, 13685 and 13795 "Ensor Painting" cd. in 50 ds. (Humenyk).

BENIN: ORTB Cotonou 4870 cd. in 56 ds. for a taped rpt. (Bueman-MO). (Humenyk-ONT).

BONAIRE: Radio Nederlands 15315 and 17605 f/d "Flievo" cd. in 30 ds.

BOSNIA: Radio Yugoslavia 7115 via Bijeljina f/d cd. in 46 ds. for \$1.00.

BOTSWANA: VOA 9885 f/d "Glacier" cd. in 24 ds. (Strain). (Buer-FL).

BRASIL: Radio Brasil Tropical 5015 f/d cd. w/ prepared cd. in 2 wks.

* after a f/up rpt. in PT. Sticker rcvd. (Sgrulletta). Radio Educacao Rural 4755 p/d folder cd. in 29 ds. for a PT and 1 IRC. (Neal-TX).

CANADA: Radio Canada International 5960, 6040, 6155, 9535, 9755, 9805, 11705, 11725, 11935, 11940, 11945, 13650, 15150, 15325 and 17820 f/d "50th Anniversary" cd. w/ sked. in 40 ds. (Humenyk). 9640, 11855 and 13650 same cd. w/ sticker and CIDX form in 8 ds. (Humenyk). Radio Korea International 9650 via Sackville p/d "Hanbok Costume" cd. w/ sked. in 1 mo. (Humenyk). Radio Japan 11705 via Sackville f/d "Cherry Blossoms" cd. w/ sked. and pennant in 1 mo. (Humenyk).

CHINA, PEOPLES REP. OF: Xinqiang PBS 5060 via Urumqi p/d personal ltr. w/ cds. and CR stamps in 7 wks. for \$1.00 and ms. neman-MO).

CLANDESTINE: Radio Kudirat Nigeria 6205 f/d ltr. in 149 (Loudell-DE). ds. v/s Kayode Fayemi, Director of Communications. (Humenyk-ONT).

COSTA RICA: TIHB Radio Reloi 4832 f/d cd. in 45 ds. for a SP rpt. (Bueman). Radio Lira International/AWR 9725 f/d "Volcano" cd. w/ sticker and schedule in 1 mo. (Loudell). nyk-ONT)

CUBA: Radio Habana Cuba 9820 f/d cd. w/ personal ltr. in 103 ds. (Humenyk-ONT).

CZECH REP: Radio Prague 5930 via Litomysl f/d "Flora and Fauna" cd. in 24 ds. (Humenyk-ONT).

ECUADOR: HCJB 9745 f/d "Pulling El Jaleo" cd. in 2 mo. for ms. for a B/C in which I participated - WILM DX test. v/s Ken MacHarg. (Loudell).

5865 f/d "Quito" cd., w/ bookmark and calendar in 144 ds. (Humenyk).

5860 "Hummingbird Colibri by Endara" cd. in 47 ds. for 1 IRC. (Bueman-MO).

ENGLAND: VOA Woofferton 9760 f/d cd. in 46 ds. (Humenyk).

Radio Japan 7230 via Skelton f/d "Mt. Fuji" cd. in 34 ds. (Humenyk). Radio Canada International 5995 and 7235 via Skelton f/d cd. in 44 ds. (Humenyk).

Radio Free Europe/Radio Liberty 9725 via Woofferton f/d ltr. w/ sticker in 98 ds. v/s David Walcutt. (Humenyk).

ETHIOPIA: Radio Fana 6210 f/d cd. in 2 1/2

The voice of hope
EUROPEAN BEACON
TBILISI GEORGIA

HIGH ADVENTURE MINISTRIES

Rec.
RADIO EXTERIOR DE ESPAÑA
 50 años en las
 Ondas del Mundo

mo. via registered mail. (Field-MI). **Voice of the Tigray Revolution** 5500 via **Mekelle** f/d prepared cd. w/ form ltr. in 65 ds. for a taped rpt. (Sgrulletta). same in 6 wks. v/s Fre Tesfamichael. 10 kws. (Renfrew-NY).

EUROPEAN RUSSIA: Voice of Russia 5940 via **Krasnodar** cd. in 62 ds. (Humenyk). 6110 via **Moscow** cd. in 62 ds. (Humenyk). 6130 and 7325 via **Samara** cd. in 44 ds. (Humenyk-ONT).

FINLAND: Radio Finland 15400 rcvd. very nice package of materials for a taped rpt. sent directly to the Pori site. Addr: Finnish B/Cing Co., Shortwave Centre, Preiviiki, Makholmantie 79, FIN-28660 Pori. All in 6 wks. (Berg-MA).

FRENCH GUIANA: Radio Japan 6070 f/d cd. w/ schedule in 25 ds. (Humenyk). **Swiss Radio International** 11650 f/d "Appenzell" cd. in 20 ds. v/s D. Zanotti. (Humenyk-ONT).

GABON: Africa No. One f/d "Logo" cd. in 1 mo. (Humenyk). **Radio Japan** 15355 via **Movabi** f/d "Wedding Gown" cd. in 1 mo. w/ sked. (Humenyk).

GERMANY: Sudwestfunk 7265 f/d ltr. in 52 ds. (Humenyk). **Radio Vilnius** 5890 via **Julich** f/d "Land of Amber" cd. in 30 ds. for \$1.00. (Pasquale-PA). **Radio Canada International** 7200 and 9505 via **Wertachtal** f/d "50th Anniversary" cd. in 15 ds. (Humenyk). **Radio Vlaanderen International** 9610 via **Julich** f/d test transmission cd. in 75 ds. (Humenyk). **Adventist World Radio** 9835 via **Julich** f/d "Globe" cd. in 1 mo. w/ personal ltr. and calendar. (Humenyk).

GREECE: Voice of Greece 6125, 7450 and 9425 f/d "Papingo-Epirus" cd. w/ sked. in 26 ds. (Humenyk).

GUAM: Adventist World Radio 13720 f/d cd. w/ sked. in 25 ds. (Humenyk). **KSDA** f/d cd. in 22 ds. for SASE. (Neal-TX).

GUYANA: Voice of Guyana 3290 p/d ltr. in 66 ds. for 1 IRC. (Neal).

HAWAII: KWHR 9930 f/d "Logo" cd. w/ sked. in 3 mo. for ms. (Loudell). **WWVH** 10000 cd. in 7 ds. v/s Dean T. Okayama, Engineer in Charge. (Bueneman).

HONDURAS: HRMI 5890 f/d cd. in 4 mo. for a taped rpt. Reply from: IMF, P.O. Box 6321, San Bernardino, CA 92412. (Berg). same in 3 mo. for a SP rpt. (Field-MI). f/d cd. in 82 ds. for \$1.00. v/s Wayne Downs. (Paszkwicz). same in 10 wks. for a SP rpt. & \$1.00. (Myers-VA). f/d cd. in 94 ds. for 1 IRC. (Neal-TX).

HONG KONG: BBC 5990 f/d "Kowloon Harbour" cd. in 2 mo. v/s Miles Ashton. (Fedor). **Hong Kong Telecom** (Yacht Races) via **Cape D'Anquilar** f/d cd. w/ glossy photos for a taped rpt. and 2 IRCs. v/s Lui Kam Chen, Assistant Engineer. (Rippel).

HUNGARY: Radio Budapest 3975 via **Jaszbereny** f/d cd. in 46 ds. (Humenyk). 9835 via **Diosd** f/d cd. in 46 ds. (Humenyk). 9840 f/d cd. in 2 mo. (Strain). 7220, 9835 and 9840 f/d "Castle of Buda" cd. in 67 ds. (Humenyk).

ICELAND: IMBS 11402 f/d "Blue Lagoon" cd. in 29 ds. for 1 IRC. (Neal-TX).

IRAN: IRIB 15084 f/d "Khomeni" cd. in 89 ds. (Humenyk).

IRELAND: United Christian Broadcasters 6200.05 f/d cd. in 18 ds. for 2 * IRCs. v/s Graeme Wilson. (Rippel).

ISRAEL: Kol Israhel 9365 and 9435 f/d cd. in 40 ds. w/ sked. (Humenyk).

ITALY: RAI f/d "Carlo Carra" painting cd. in 90 ds. (Humenyk). f/d "Antonio Fontanesi" cd. in 35 ds. (Humenyk).

* **Radio Maria** 7140 n/d cd. in 5 mo. after 2 f/up rpts. 1kw. This was via **Radio Italia Internazionale**. All in 10 total mo. (Berg-MA).

JAPAN: Nihon Shortwave Broadcasting 3925 f/d "Horse" cd. in 40 ds. for 1 IRC. (Vaghjee-MAUR). **RCI** 6185 via **Yamata** f/d cd. in 15 ds. w/

UNO Radio

الذاتى المتحدة - La 1.ª - UNO
 United Nations Radio - La Radio des Nations Unies
 Paises Observadores Asociados
 La Radio de las Naciones Unidas

Thanks

Henry Valesborn

for the report on a United Nations broadcast

at 2336-2346 UTC - 23 December 1996

on 6205 kHz

via RFFI, Costa Rica

Verification Card

Dear via Peraaho

We thank you for your reception report and keen interest in our programmes.

We are pleased to verify that you heard Radio Pyongyang from 23 00 to 23 27 on 11 700 kHz on Dec 24 1996.

Your valuable opinions on our programmes will always be very much appreciated.

Yours sincerely,

The Radio-Television Broadcasting
 Committee of the DPRK, Pyongyang

Verification Letter

Short Wave Station CHNX, Halifax, Nova Scotia, Canada

5130 KHz on the 49 meter band

via Neal

Dear Gary

Thank you for your reception report. We are pleased to verify your reception of March 13/93 at 21:25 hours

(UTC) (EST) (AST) (ADST) with a power of 500 Watts.

sked. (Humenyk). Radio Japan 11850 f/d "Osechi Dish" cd. w/ sked. in 28 ds. (Humenyk).

JAVA: Voice of Indonesia

9630 cd. in 70 ds. for 1 IRC. v/s Drs. Syamsul Muin Harahap, Station Manager. (Vaghjee-MAUR).

KOREA, PEOPLES DEM. REP:

Radio Pyongyang 11355 f/d "Lily of the Vall-

ey" cd. w/ pennant and calendar in 3 mo. (Maroti-NY).

KOREA, REPUBLIC OF: Radio Korea International n/d "Hanbok Costume" cd. w/ schedule and newsltr. (Humenyk). ghjee-MAUR.

KUWAIT: Radio Kuwait 15505 folder cd. in 6 mo. w/ sticker and sked. (Vag-LEBANON: King of Hope 6280 f/d "Map" cd. in 103 ds. (Humenyk-ONT).

LIBYA: Radio Jamahiriya 9700 and 11850 f/d "Rainbow w/ Logo" cd. in 43 ds. (Humenyk).

LITHUANIA: Radio Vilnius 5980 f/d "Land of Amber" cd. in 27 ds. (Strain). 5980 via Julich (Germany) f/d prepared cd. in 5 wks. (Renfrew-NY).

MALAGASY REP: Radio Nederlands 7120 f/d folder "Madagascar Map" cd. direct from the site in 5 wks. v/s Rahamefy Eddy, Technical Dept. (Loul-

MALI REP: China Radio International 11675 f/d "Tian An Men" dell) cd. in 45 ds. (Vaghjee). 15110 "Bronze Ox" cd. w/ paper cut out in 23 ds. v/s Fu Guang, English Dept. (Bueneman). 9710 and 11695 f/d "Tuan

Cheng" cd. w/ schedule and paper cut in 37 ds. (Humenyk). ORTM 5955 f/d cd. in 236 ds. for 1 IRC. (Neal-TX).

MALTA: Voice of the Mediterranean 9800 "Gozo Island" cd. w/ schedule in 53 ds. for a JP rpt. (Hosoya-JPN).

MEXICO: XEPPM Radio Educacion 6185 cd. in 90 ds. for a SP rpt. v/s Luis Ernesto Pi Orozco, Director General. (Bueneman-MO). XERMX Radio Mexico

Internacional 9705 f/d cd. w/ prepared cd. in 54 ds. for ms. Also rcvd. schedule, ltr. and station pennant. (Sgrulletta). same w/ sticker

and personal ltr. in 144 ds. (Humenyk).

MOLDOVA: Voice of Russia 7125 via Kishinev f/d "Kremlin" cd. in 2 1/2 mo. (Fedor). 9585 via Kishinyov f/d "Peoples Friendship House" cd. in 62 ds. (Humenyk).

MONGOLIA: Voice of Mongolia 12085 "Traditional Home and Girl" cd. in 45 ds. for a JP rpt. (Hosoya-JPN).

MYANMAR: Radio Myanmar 4725 p/d "Map/Globe" cd. in 105 ds. Took 9 yrs. of reports to bag this one! v/s Ko Ko Htway. Tnx. to D'Angelo for tip on the w/s. (Paszkiwicz).

NAMIBIA: NBC 3270 f/d "Satellite Dish" cd. w/ schedule in 7 wks. for \$1.00. v/s P. Schachtschneider. (Maroti-NY).

NEW ZEALAND: Radio New Zealand International

15115 and 11905 f/d "Kiwi Cartoon" sticker cd. in 23 ds. for 3 IRCs. (Bueneman). 9700 same in 27 ds. for 3 IRCs. (Bueneman). 15115 same in 2 wks. w/ schedule and sticker. (Humenyk-ONT).

NEW ZEALAND (Pirates): KIWI Radio

7475 f/d cd. in 39 ds. w/ info. on station. v/s Graham Barclay. (Barrera-ARG). ltr. w/ sticker

* in 39 ds. (Bueneman). Radio Cochiquaz Internacional 7475 via KIWI Radio f/d cd. in SP in 18 ds. v/s C. Mamani. (Bueneman-MO).

NORWAY: Radio Norway International

7465 via Fredrikstad f/d "Ceramic Vases" cd. w/ sticker and schedule in 42 ds. (Humenyk).

GOVT. OF INDIA

GOVERNMENT OF INDIA



सर्वभारतीय रेडियो
ALL INDIA RADIO

TELEPHONE 52
RIT
TELEGRAM AIR
RIT
LITH. LATVIA

Date: 16.3.93.

Ag.

Mr. Ron Howard,
4000 Rio Road, # 48,
Carmel, CA. 93923 USA.

Dear Sir,

We are in receipt of your letter through Radio Kashatr, Jammu.

It is confirmed that at 15.33 U.T.C. to 15.45 U.T.C. i.e. 2103 hrs to 2115 hrs I.S.T) on 4760 KHz in the 60 meter band we are relaying the News in English.

We really appreciate your efforts for writing us about the reception. A dollar sent by you is returned herewith.

Yours faithfully,

(L. K. Gandotra)
Station Engineer

Radio Denmark via **RNI** p/d "Map/Logo" cd. in 80 ds. w/ sked. and ltr. (Humenyk).

PERU: Radio La Hora 4855 prepared cd. w/ postcard. in 3 wks * for SASE in 6 mo. and a taped rpt. v/s Edmundo Montesinos G., Gerente General. (Lazarus-LA).

PORTUGAL: Radiodifusao Portugal 6150 and 9570 f/d "Old World" cd. in 41 ds. w/ sticker, ltr. and sked.

RHODES: VOA 11960 f/d "Mount Rainier" (Humenyk). cd. w/ sticker, pennant and sked. in 29 ds.

ROMANIA: Radio Romania International (Humenyk). 11940 f/d Nasaud Costume, Transsylvania" cd. w/ schedule in 7 wks. (Loudell). 9690 f/d cd. w/ sticker in 57 ds. (Humenyk). 7195 & 11940 f/d "Savings Bank" cd. w/ sticker in 7 ds. (Humenyk). 7195 and 9510 f/d "Dancers of Oltenia" cd. in 45 ds. w/ schedule. (Humenyk).

RWANDA: Deutsche Welle 11785 n/d cd. in 32 ds. for E-mail rpt. (Neal).

RUSSIA: Assyrian Voice 12075 f/d cd. in 3 yrs. * w/ personal ltr. v/s Marona Arsonis, Head Editor. (Field-MI). **Radio Moscow** 15320 "Yuri Gagarin" cd. in 9 mo. w/ sked. (Vaghjee). **Voice of Russia** 5905 f/d cd. w/ ltr. in 46 ds. v/s Ms. Olga Troshina. (Bueneman-MO).

SAINT HELENA: Radio Saint Helena 11092.5 f/d cd. in 155 ds. w/ ltr. for \$1.00. v/s Tony Leo. (Pasquale-PA).

SAIPAN: KHBI 9355 f/d "Transmitter Site" cd. in 66 ds. (Hosoya-JPN).

SAO TOME E PRINCIPE: VOA 4960 f/d "Mount Rainier" cd. in 21 ds. (Bueneman) f/d ltr. direct from the site in 3 wks. v/s Charles L. Lewis. (Field-MI). 6080 f/d "Colorado - River Rafting" cd. in 37 ds. w/ calendar and schedule. (Humenyk) 7290 f/d "Golden Isles" cd. in 71 ds. (Humenyk). 13600 f/d cd. in 27 ds. w/ ruler and guide. (Humenyk-ONT).

QSL Verification

Radio Republik Indonesia (RI) SRIKARTIKA
Kopota Yth. Tuan 7014 R. SRIKARTIKA
Ini merupakan laporan yang dari Radio RI yang telah diterima pada tanggal 19/12/85 oleh penerima di alamat berikut ini:
Nama: M. H. WAGIR
Alamat: Jl. Duta
No. 10
Desa: M. H. WAGIR
Kecamatan: M. H. WAGIR
Kabupaten: M. H. WAGIR

Benar-benar telah saya terima
Drs. M. H. WAGIR AGUN M.D.K.
Penerima dan Kepala Studio

QSL Verification Card

From: N 118 9111
To: N 126-1270 9213
Date: 1985
Time: 12-30 UTC

Station: N 118 9111
Operator: N 126-1270

Signature: M. H. WAGIR

This signed card confirms your reception report. Thank you for tuning in to KHBI. We invite you to continue listening. Please feel free to say again with comments about our programming in Spanish for the 1980's.

Signature: M. H. WAGIR

Masao Hosoya
1-1-19, Sengen-cho
Hijashi - Kurume-shi
Tokyo 203

28 ds. (Strain). f/d "Map" cd. in 5 wks. (Loudell-DE). **Adventist World Radio** 11655 via **Rimavska Sobota** f/d "Antenna Farm" cd. in 46 ds. (Humenyk).

SOUTH AFRICA: VOA 9805 via **Heyerton** f/d cd. after asking VOA menyk). about the transmitter site. (Field-MI). **Radio Nederlands** 11655 via **Heyerton** f/d cd. w/ stickers in 31 ds. (Humenyk). f/d "Fievo" cd. in 45 ds. w/ calendar and stickers. (Humenyk). **Channel Africa** 15240 f/d cd. of "Native Women" in 44 ds. w/ calendar. (Strain).

SPAIN: VOA Playa de Pais 17805 f/d cd. in 34 ds. for 2 ms. (Buer-FL).

SPANISH MOROCCO: VOA Briech f/d "Hikers in the Badlands" cd. in 120 ds. w/ sticker and ruler. (Humenyk-ONT).

Well this takes us full circle. Let's continue!...Sam.

QSL POST CARD

Masao Hosoya
1985
1200-12:30 UTC

JAPAN
1-1-19, Sengen-cho
Hijashi - Kurume-shi
Tokyo 203

VOICE OF MONGOLIA
МОНГОЛЫН
C.P.O. Box 307, Ulaanbaatar 11, MONGOLIA

SWEDEN: Radio Sweden 13740 & 15240 f/d cd. w/ schedule in 11 ds. (Humenyk). 6065, 7290, 9655 and 13740 f/d "Smogen Fishing Village" cd. in 68 ds. (Humenyk). 6065, 7155, 11650 and 15240 f/d "Falsterbo" cd.



VOLCANO RADIO
Z 8 V R
VOICE OF ASCENSION
P.O. BOX 4235
Ascension
P.A.F.B. FLA. 32925
U.S.A.

Interesting!

Dear Listener,
We thank you for your reception report on our station Z8VR, which is confirmed.
Date: 04/15/94
Time: 0645 - 0725 Z
Frequency: 1602 kHz
Power: 500 W

Sincerely yours,

O. C. Peak

9460 and 7280 same cd. w/ sked. and stickers in 130 ds. (Humenyk-ONT).
UKRAINE: Radio Ukraine International 9870 and 11705 f/d "Gold Bowl" cd. w/ sked. in 100 ds. (Humenyk). 5915 and 6020 f/d "Logo" cd. in 70 ds. (Humenyk).
USA: WJCR 7490 f/d "Globe/Cross" cd. w/ ltr. in 21 ds. (Humenyk). (Humenyk). same in 6 ds. w/ personal ltr. (Humenyk). same in 15 ds. (Humenyk). same in 17 ds. w/ personal ltr. (Humenyk). **WHRI** 9495 f/d cd. in 278 ds. w/ schedule. (Humenyk). 13760 f/d cd. in 95 ds. v/s Loren Holycross. (Humenyk). **WENW** 7425, 9455, 11875, 13615, 15665 and 17695 f/d "Antenna/Towers" cd. in 45 ds. w/ sticker. (Humenyk). **Voice of Free China** 5950 via **WYER** f/d "Butterfly" cd. in 34 ds. w/ sked. and stickers. (Strain-NJ). 15440 f/d "Insects in Taiwan" cd. in 88 ds. w/ sked. and sticker. (Humenyk) **VOA Delano** 9455 f/d "Jack Pottle" cd. delano from the site in 2 wks v/s Perry G. Pitts, Station Manager. (Palmerheim). 7300 f/d cd. w/ sticker and sked. in 78 ds. (Humenyk). **Radio Free Asia** 7495 ltr. in 157 ds. w/ stickers. (Hosoya). **WYER** 5950 f/d cd. w/ sked. in 120 ds. (Humenyk). **WJCR** f/d cd. in 2 wks. for ms. (Raymond). **Horizontal 92.9** 9955 via **WRMI** f/d ltr.

RADIO ROMANIA INTERNATIONAL
BUCHAREST

QSL

This confirms your report of Jan 26 1991 regarding our transmission at 4:30 UTC on 113.9 MHz.

Your remarks are of great interest to us and your further reports will be much appreciated.

73's

Bucharest, the Romanian Athenaeum hall in 1986

Mr. Henry Weisborn
Houston
USA

PERSONAL USE ONLY

w/ sticker in 2 mo. for \$1.00. v/s Marrel Rommerts. (Kusalik-ALB).
USA (Pirates): Mystery Radio 6955 f/d "Led Zep" cd. for a rpt. to ACE. (Kusalik). same for a rpt. of their Halloween Special. (Kusalik).
XEROX Radio Duplicado 6955 f/d cd. in SP in 1 mo. (Bueneman). **K-2000** 6955 cd. in 2 mo. (Field-MI). **WLIS We Love Interval Signals** 6955 f/d cd. in 1 mo. (Field-MI). **FHX** 6958 f/d cd. in 1 mo. (Field-MI). **WBIG** 6955 f/d cd. #22 in 2 wks. (Field-MI). **Outlaw Radio** 6955 f/d cd. in 5 mo. (Field-MI). **Radio KAOS** 6955 beautiful QSL Certificate in 24 ds. v/s Joe Mama. (Paszkwicz). same in 41 ds. for ms. (Martin-CA). **Radio Tellus** 6955 f/d first issue Certificate in 39 ds. for ms. Mr. Gary R. Neal (Martin-CA). same in 1 mo. w/ personal ltr. (Field-MI).

UZBEKISTAN: Radio Tashkent 5060 f/d cd. w/ schedule in 48 ds. (Humenyk). 9710 f/d cd. in 93 ds. for 1 IRC. (Neal-TX).

VATICAN: Radio Vatican 5882 f/d cd. w/ sked. in 108 ds. (Humenyk-ONT).

YUGOSLAVIA: Radio Yugoslavia 6185 f/d cd. w/ schedule in 46 ds. (Humenyk-ONT).

Tx: 77479-0122 SUGARLAND

7410 Orchard Hills Lane

U. S. A.

HRVATSKA RADIO-TELEVIZIJA
PLANKARJE 184701 NOVJI DANOLUCA

10000 Zagreb

Prisavija 3

tel: 385/1/616-33 64

fax: 385/1/616-31-99

datum: 03. October 1996

QSL

Verification letter

I guess this is a good place to come to the end of yet another NASWA QSL Column.
Best of QSLing.....Sam.

Ram

Hrvatski radio 1, program

Thank you for your reception report. We are pleased to verify your reception of our transmission on 16.07.96 year from 01.33 hours to 02.01 hours UTC on 7165 kHz SW with a power of 10 kW

Scoreboard

Jerry Lineback
220 West Third
Garnett, KS 66032

Greetings and welcome once again to the SCOREBOARD. The SCOREBOARD is a quarterly feature of the NASWA JOURNAL. In it, DXers, from beginners to seasoned pros get to share their progress in the hobby. C/H = countries heard and C/V = countries verified. Country counts should be made according to the NASWA Radio Country List. You must update at least once a year. The SPOTLIGHT this issue is on North America. Thanks to all contributors. You can use E-Mail to jalinebk@kanza.net

Name, State	Total		NA		Best NA QSL
	C/H	C/V	C/H	C/V	
Dan Henderson, MD	243	233	24	23	CKFX Vancouver
Marlin Field, MI	240	239	24	24	CFRX 6080
Jerry Berg, MA	238	236	24	24	ZNX32 Barbados
William Flynn, OR	238	222	25	25	Greenlands R.
John Sgrulletta, NY	231	231	23	23	CKFX
Steven Lare, MI	228	207	20	19	Greenland
Nobuaki Takahashi, Japan	226	201	18	15	CFVP Calgary
Terry Palmersheim, WA	224	213	19	19	Greenland
Richard A. D'Angelo, PA	220	213	20	20	Greenland
Sheryl Paszkiewicz, WI	218	211	20	19	El Salvador
Paul Buer, FL	217	204	23	21	CKFX
Ron Howard, CA	215	200	21	21	Turks & Caicos
Niel Wolfish, Ont.	214	163			
Fred Kohlbrenner, PA	213	189	19	18	CKFX
Christos Rigas, IL	212	193	19	18	Grenada
Jerry Klinck, NY	212	189	20	19	R. Miscut
Stephen E. Pitts, MN	207	196	18	18	R. Miskut
Jerry Lineback, KS	206	108	20	12	Turks
Charlie Washburn, ME	204	163	27	21	HOLA Panama
Daniel McCarthy, GA	189	164	20	18	R. Swan Is.
Stephen Price, PA	187	161	15	14	R. Miskut
Jim Renfrew, PA	183	147	19	17	R. Venceremos
Allan Loudell, DE	182	153	18	17	R. Belize
John C. Eckert, PA	179	162	16	15	
Gary Froemming, AZ	178	44	16	6	WWVL
Andy Rugg, Que.	175	155	22	19	KNLS Alaska
Ross Comeau, MA	175	142	15	13	R. Miskut
Bill Bergadano, NJ	175	120			
Richard Hankison, KS	164	141	14	12	
Scott Helm, KS	163	115	11	10	WNYW
Mark Hymenyk, ONT	162	130	13	13	CFRX
Carl Radtke, WA	153	153	18	18	Grenada
Philip Atchley, CA	151	104	12	10	Guatemala
George Maroti, NY	151	100	16	11	4VEH, Haiti
Dan Ziolkowski, NY	150	63	12	7	CHNX Halifax
Wally Peters, MN	142	114	16	14	Turks & Caicos
Bob Raymond, NH	137	110			
Robert E. Gearing II, FL	135	105			
Joseph P. Zobro, MI	130	94	15	14	BBC Antigua
John S. Brown, OK	121	111	14	14	Grenada
Jill Dybka, TN	112	84	12	12	CKZN Newfoundld
Gary R. Neal, TX	104	85	13	10	HRMI R. MI
Don Dacus, AR	65	31	9	6	CFRX
Kelvin Buechert, MB	50	20	7	3	
Signee Hoffman, CA	39	28	5	4	

Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	AOR AR-7030 100' LW
Gabriel Ivan BARRERA, Buenos Aires, ARG	NRD-525 32m dipole
Jerry BERG, Lexington, MA	R8 165' LW
Erik BUENEMAN, Hazelwood, MO	ATS-803A homebrew antenna
David CLARK, Thornhill, ONTARIO	R8A ANC-4 Carolina Beam
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 70' LW
Ralph FAMULARO, Hyogo-ken, JAPAN	ICF-SW55 ATS-803A R5000 LW
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Bill FLYNN, Cave Junction, OR	R8 DX-Ultra inverted V
Bob HILL, Littleton, MA	Sony 2010/whip 120' dipole RW Loop
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
George MAROTI, Mt. Kisco, NY	Sony 2010 30' dipole MFJ-956 tuner
William McGUIRE, Cheverly, MD	DX-380
Jim MOATS, Ravenna, OH	DX-440 48' indoor dipole
Mark MOHRMANN, Coventry, NY	NRD-535D 440' V beam @ 180 degrees
Gary NEAL, Sugarland, TX	Grundig YB-400
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Jay NOVELLO, Wake Forrest, NC	R8A LW's
Denis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Sheryl PASZKIEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Stephen PITTS, Minnetonka, MN	NRD-535D FRG-7 Eavesdropper RW Loop
Ed RAUSCH, Cedar Grove, NJ	R5000 Sony 2010 MFJ-959 Eavesdropper
Bob RAYMOND, Nashua, NH	IC-745 40meter 1/2 wave vertical
Christos RIGAS, Wood Dale, IL	R2000 Sony 2010 and 2002 Sloper AN-1
Chuck RIPPEL, Cornland, VA	R390A R8A R1051H SP-600 51S-1 LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Mike RYAN, Bangkok, THAILAND	
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
John SGRULETTA, Mahopac, NY	NRD-515 AD Sloper Moseley SWL-7 dipole
Mitsuhiro TAKAYA, Osaka, JAPAN	NRD-535D RF Systems antenna
Erol URBELIS, Kings Park, NY	TS-940SAT FT-980CAT LW's
Mahendra VAGHJEE, Rose Hill, MAURITIUS	Lowe Europa 225E Sony 2010 LW ARA60

Another nice turnout this month despite the early deadline. Contributions received here after May 1st will be forwarded to the editors in June when go back to our regular 10th of the month deadline. When typing up your contributions please remember to leave two blank lines between each item, and don't forget to include your name with each item too.

Have a nice summer everyone!



Tropical Band Loggings

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

- 2280h USA WRVA 3/18 1014 nx, sports, ID 2x1140 (Mohr-VT)
 2410 NEW GUINEA R Enga 4/14 1201* anmts, orch, poss ID (Pitt-MN)
 2460h USA WANO 4/16 0940 C&W, DJ, nx (Urbe-NY)
 2480h DOM REP R Revelacion 4/17 0940 merengues, ads, IDs (Urbe-NY)
 2480.2h ECUADOR R Sonorama 3/8 1043 Andean mx, ID 2x1240 (Mohr-VT)
 2640h VENEZUELA R Colonial 3/12 0954 NA, ID 2x1320 (Mohr-VT)
 2680h USA WHAR 4/10 0935 tlk pgm, IDs, ads (Urbe-NY)
 2850 N KOREA R Pyongyang 4/17 1217 tlk abt Kim Jong Il, ID, lost
 sig at 1224 to SP stn, Mexican? (Lytl-TX)
 3105h CHINA CNR-1 3/22 1228 //7504 CH mx, anmts 3x1035 (Famu-JP)
 3120h USA WQEW 3/6 0935 Johnny Ray, ID 2x1560 (Mohr-VT)
 3125 MOLUCCAS RPD Halmahera Tengah 3/29 1408 tlk, mx, ment Indo,
 tnx DX Window via Internet (Famu-JP) tent 4/15 1345 IN pops,
 romantic mx w/organ, long tlk ment Jakarta (Flyn-OR)
 3205 NEW GUINEA R Sandaun 4/29 1030 tlk, island mx, muffle (Sgru-NY)
 4/13 1115 Pacific mx, PD tlk, good till 1140 fade (Ripp-VA)
 3/10 1116 PD/lang, tlks, ment Sandaun, ID, island mx (Mohr-VT)
 4/14 1125 long tlk, mx, strongest PNG here (Pitt-MN)
 3220 NEW GUINEA R Morobe 4/16 1125 mx pgm, tlk, NA 1202 (Pitt-MN)
 3222.9 SUNDAS RRI Mataram 3/22 1145 tlk, gamelan mx, drums, ID, vcl
 Jakarta nx p-f (Famu-JP)
 3235 NEW BRITAIN R West NB 4/26 1020 PD pol tlk, ID (Raus-NJ)
 1006 end of nx, ment NB, mx (Ripp-HATDX) 4/17 1201* mx, ID
 closing anmt, chimes, TC, ID (Pitt-MN)
 3245 NEW GUINEA R Gulf 4/10 1202* Western mx, ID, chimes (Pitt-MN)
 3260 NEW GUINEA R Madang 4/16 1201* chorus, C&W, anmts (Pitt-MN)
 3280 CHINA Vo Pujiang 4/16 1401* CH //4950, not 7115, ment Shanghai
 (Flyn-OR) 4/10 1010 tlk, CH mx (Urbe-NY)
 3290 ECUADOR R Centro 5/6 0939 long tlk, ment Centro, echo (Sgru-NY)
 3290 PAPUA R Central 4/13 1050 pop mx, tlks (Ripp-VA)
 3305 PAPUA R Western 4/10 1112 PD tlks, ment Pt Moresby (Ripp-HAT)
 4/18 1202* orch NA (Pitt-MN)
 3315 ADM ISL R Manus 4/9 1203* hymn, ID, TC, chorus, birds (Pitt)
 3329.6 PERU Ondas del Huallaga 4/18 0950 anmts, speech, ID (Urbe-NY)
 3330.4t PERU Ondas del Huallaga 4/19 0325 folk mx, weak (Alex-PA)
 3335 NEW GUINEA R East Sepik 4/14 1140 C&W, tlk, ID (Pitt-MN)
 3340 PERU R Altura 4/13 0245 IDs, ads, Birthday song, mx (Alex-PA)
 Brian, I think Altura on 6479 is from another city--sp
 3345 NEW GUINEA R Northern 4/26 1010 NBC nx, ID (Raus-NJ)
 3365 BRAZIL R Cultura 4/7 0215 rancheras, bassy tlks, mx (Ripp-VA)
 3/22 0235 anmt, mx mix, Guantanamo, Baby Elephant Walk, ID
 (Mohr-VT)
 3365 NEW GUINEA R Milne Bay 4/26 1000 ID, prov nx, C&W (Raus-NJ)
 4/10 1058 island mx, ID (Ripp-HATDX)
 3366 GHANA GBC 4/22 2340 EG Radio 1 not //4915 except nx (Sgru-NY)
 3380 MALAWI MBC 4/25 0350 pop mx, pet shop ad, ID, nx (Raus-NJ)
 4/3 0325 Afr pops, hip hop, hilife, ID in EG (Urbe-NY)
 3385 NEW BRITAIN R East NB 4/30 1023 EG tlk abt a Communist ruler
 Mx, tlk (Sgru-NY)
 3550ph CUBA R Rebelde 3/26 1008 tlk, ment Cuba //3600, 4200 (Mohr-VT)
 3905 IRIAN JAYA RRI Merauke 4/17 1250 Western mx, ID, nx (Pitt-MN)
 3905 NEW IRELAND RNI 4/15 1201* pops, Old Rugged Cross, ID (Pitt)
 3945 VANUATU RV 4/23 1035 island mx, anmts (Urbe-NY)
 3976 KALIMANTAN RRI Pontianak 4/9 1445 IN romantic mx, SCI, nx (Flyn)
 4035 TIBET Xizang PBS pgms not in EG yet, just IDs. Pgms still in
 Tibetan (sp correction via Ryan-THAI)
 4050.6 UNID 4/7 0940 SP TC, Andean vcls, ads for QTH of upcoming event
 (?ah-bi-doh-haer) Bolivia (Mohr-VT)
 4460.8t PERU R Norandina 4/16 0329 tlk, mx, fade (Flyn-OR)

4545 KAZAKHSTAN KR 3/22 1356 RS tlc, strings, ment Almaty, nx (Famu)
 4600 BOLIVIA Perla del Acre 4/10 0145 vcls, good (Clar-ON) tent on
 4/9 0928 bouncy LA mx, anmts, TCs (Mohr-VT)
 4730nf TAJIKISTAN VoR 3/19 1500 IS, ID, world nx, site pres (Famu-JP)
 4739.7 VIETNAM Son La 3/22 1214 VT tlc, tonal vcls, tnx DX Window via
 Internet (Famu-JP)
 4753 SULAWESI RRI U-P 4/16 1157 chorus, ID, thank you, SCI, tlc
 abt PNG (Lytl-TX) 3/9 1604 tlc, mx, anmt (Serr-IT)
 4756 BRAZIL R Rural 4/3 0149 futbol, ID jingles (Mohr-VT)
 4760 SWAZILAND TWR 4/3 0300 SH Bible pgm, hymns, IS (Urbe-NY)
 4765 CONGO R Congo 4/21 *0520 tones, IS, NA, Ici Brazzaville ID
 *0400 from 4/22 (Raus-NJ)
 4775t INDIA AIR Imphal 4/7 1412 lang, SC mx, noisy (Flyn-OR)
 4776.7 DOM REP Onda Musical 4/12 2319 long tlc, ID, TC, romantic
 vcls, Tokyo Motors ad, pol & econ cmtry, mx (Berg-MA)
 4783.9 MALI RTV 3/7 2302 FR tlc, Afr pops (Serr-IT) 4/16 2230
 lcl info, Afr pops, Beatles //5995, 4835 (Urbe-NY)
 4790 PAKISTAN AKR SC mx, tlks in lang, able to split w/Itanagar
 on 4790 (Ripp-HATDX)
 4790 PERU R Atlantida 3/7 2311 huaynos, drum, tlc, ID (Serr-IT)
 4826.3 PERU R Sicuani 4/25 0120 ballads, flutes, TC, ID (Raus-NJ)
 4830 VENEZUELA R Tachira 3/2 0257 phone calls for contest, rel
 rel pop mx (Serr-IT)
 4832 COSTA RICA R Reloj 5/3 0510 vcls, IDs (Sgru-NY)
 4845 MAURITANIA ORTM 4/27 2325 AR Koran, call ins, ID (Raus-NJ)
 4845.2 BRAZIL R Cultura Ondas Tropicais 4/19 0304* anmts, mx, ID
 (Alex-PA)
 4850t CHINA CNR 4/15 1434 CH/EG lesson "Bob & Ken...advice" (Flyn)
 4850.7 ECUADOR R Luz y Vida 4/25 0010 rel tlc, PSA, ID (Raus-NJ)
 4865 CHINA Gansu PBS 3/7 2333 CH IDs, mx pause, tlc, pops (Serr-IT)
 4/16 2240 CH mx, tlks, nx (Urbe-NY)
 4875 BRAZIL R Roraima 4/16 0402* romantic mx, ID, FC (Flyn-OR)
 4885 BRAZIL R Clube 3/29 0218 drama abt Lourdes, ID, anmts (Serr-IT)
 4910 ZAMBIA ZNBC 4/12 0530* lang nx, tlc, IS (Urbe-NY)
 4915 BRAZIL R Anhanguera 4/22 0100 ID, echo anmt, TC, nx (Sgru-NY)
 3/29 0234 nx w/corres, IDs, ads, ment Goiania (Serr-IT)
 4919 ECUADOR R Quito 3/29 0246 drama, mx pauses, ID, jingle (Serr)
 4923.7 BOLIVIA R San Miguel 4/10 0140 promo anmts, ID (Clar-ON)
 4935 KENYA KBC 3/10 2027 pop songs, sudden 2030* back 2032 (Serr-IT)
 4945 UNID 3/8 0001 live futbol w/goal, cmtries (Serr-IT)
 4949.9 ECUADOR R Bahai 3/31 1010 HC folk mx, anmt, ID (Alex-PA)
 4950 KASHMIR AIR Srinagar 3/21 1512 EG/lang natl nx, ID (Famu-JP)
 4955 COLOMBIA RN 3/29 0321 sermon for Holy Week, ID, anmt, poss
 drama (Serr-IT)
 4960 SAO TOME VOA 4/12 0530* Hausa hilife, nx, EG ID (Urbe-NY)
 4969.1 PERU R Imagen 4/3 0956 M kept saying ritmo ritmo during mx
 ads, TC, ID (Mohr-VT)
 4976 UGANDA RU 3/7 1755 tlc abt Uganda, Kampala, soccer promo
 tribal mx, ID, nx, ads (Serr-IT)
 4991 PERU R Ancash 5/3 0440 lcl vcls, IDs, laser sfx (Sgru-NY)
 4/8 0325 booming in w/huaynos, ID (Ripp-VA)
 5019.7 COLOMBIA Ecos del Atrato 4/8 0414 ID, echo anmts, ads, mx
 poor (Flyn-OR)
 5020 PERU R Horizonte 4/6 0209* tlc, rel, NA (Alex-PA) 4/17 1005
 Andes mx, IDs, TC, anmts (Urbe-NY)
 5030.1 COSTA RICA AWR 3/29 0335 sermon, mx pause, anmt, IS, ID (Serr)
 5077 COLOMBIA Caracol 4/15 0719 phone tlc, ID, ads, nx (Buen-MO)
 5597.3 VIETNAM Lao Cai 3/18 1317 //6702 tlc, orch, tnx DX Wind. (Famu)
 tent 4/23 1427 VT? anmts, lcl mx (Flyn-OR)
 5619.2p PERU R Ilucan 4/26 0252* folk mx, anmts, weak (Alex-PA)
 5800 TAJIKISTAN Mahendra says it was this country he hrd last time,
 not Pakistan, now *1630-1800* (Vagh-MAUR)
 5818.6v PERU R Victoria 3/29 1019 rel pgm, hymns, prayer, ment Peru,
 TC, ID (Mohr-VT) 4/13 0655 yelling, cheers, ads, jingles
 //6018.2, a spur? tnx Barrera (Alex-PA)

International Band Loggings

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

- 5910 GERMANY R Vilnius relay in EG 0030, nx re privatization of telecom industry, mailbag, Lith pop singer wins award (Paszkievicz WI 4/17, Pasquale PA 4/26)
- 5910 GERMANY West Coast R Ireland in EG 0100, ID, sked, Irish mx, sports, mail (Paszkievicz 4/17)
- 59523 BOLIVIA R Pio Doce in bi-lingual lang mostly not in SP 0006, upbeat ancrs, remote tlk in SSB, ment "todo el Bolivia", quick ID 0048, upbeat mx, exc sig despite only 1 kw power but wiped out by WYFR/VoFC at 0100 (Berg MA 4/13)
- 5965 SOUTH AFRICA Invest Chan in EG 2150, pitch for "Supermarket Fund of America" (Costello 4/1)
- 59953 PERU R Melodia in SP 1034, M/W tlk interview with ID, p (Mohrman NY 3/29)
- 6000 BRAZIL R Guaiaba in PT 0828, clear ID's 0828 & 0830, instrumental mx, f-p (Famularo JP 4/5)
- 6005 GERMANY Deutschland R in GM 2230, nx, information, tlk, RAI QRM 6010 (Urbelis NY 4/16)
- 6010 ITALY RAI Rome in EG 0050, ID, political & econ nx, ment unemployment (McGuire MD 4/25)
- 6015 SINGAPORE R Singapore in EG 1130, nx by OM w/heavy UK accent, mx, f-p (Rippel VA 4/19)
- 60182 PERU R Victoria in SP 0707, NA, tlk w/applause & cheering, ballads, ID, f (Alexander PA 4/6)
- 60349 COLOMBIA LV del Guaviere in SP 1023, L Am ballads, ads, TC, ID, QRM (Mohrman NY 5/2)
- 6055 SPAIN R Ext Espana in EG 0105, rpt on May Day events, ment of Zaire, g (McGuire MD 5/2)
- 6055 SLOVAKIA AWR in EG 2106, Wavescan DX pgm include DX tips, ID (Alexander PA 4/6)
- 6060 ITALY RAI-RTVI Sicily in IT 2210, variety pgm, Albanian info, ID's, g (Urbelis NY 4/16)
- 6070 FRENCH GUIANA R Japan relay in JP 0815, live coverage of Osaka Sumo tourn't (Famularo JP)
- 6115 PERU R Union in SP 1056, ID "Union", into NA, f-p w/LV del Llano QRM (Mohrman NY 3/29)
- 6115 ALBANIA R Tirana in EG 0150, rpt on peace keeping forces moving into Albania (Rigas IL 4/16)
- 62037 PERU R Cuzco in SP 0010-0302*, tlk, ads, promos, ID, NA, f w/QRM RFPI (Alexander PA 4/12)
- 6290 test SOUTH AFRICA World Music R 2030, old & new rock mx, ID's, ment //3345, 1/2 hour blocks ended at :27 & :57 and resumed a minute later during test xmsns (Sgrulletta NY 5/10)
- 64798 PERU R Altura in SP 0245-0425+, ID, anmts, g level but heavy CW QRM (Alexander PA 4/13)
- 6480 SOUTH KOREA R Korea Int in EG 2100, nx, cmntry, "Seoul Calling", RTTY (Urbelis NY 4/21)
- 6531nf? VIETNAM Cao Bang in VT 1335, YL tlk, local instr mx, f (Famularo JP 3/13)
- 67256 PERU R Satellite in SP 0333*, SP pops, "Macarena", ID's, echo anmts, NA, f (Alexander PA 4/6)
- 6940 ETHIOPIA R Fana in Amharic? 1548, tlk, Afro vocals, f-p, //6210 p (Famularo JP, Urbelis NY)
- 7085 ERITREA V of Broad Masses Asmara in lang 0335, clear chan, nx?, lcl mx (Urbelis NY 4/3)
- 7110 CHINA R France Int relay in EG 1400, apologies for strike shortened pgm, mx (Famularo JP)
- 7140 INDIA AIR Delhi in EG 1536, domestic nx include decision of Delhi high court (Famularo JP)
- 7150 UKRAINE R Ukraine Int in EG 0300, nx, features, ID, f-g w/xmtr hum, //9550 (Alexander PA 4/26)
- 7190nf SOUTH AFRICA Investment Channel in EG 0300-0420+, nx re Motorola, Air Bus, Germany's deficit & other company nx, ID, sked, health pgm, addr, phone number, advice on investment opportunities, //6160 to 0355 (Alexander PA 4/5, Paszkievicz WI 4/1, Rippel VA 4/6)
- 7225nf? SOUTH AFRICA Investment Channel in EG 2115, same pgm as for //5965 above (Costello 4/5)
- 7240nf? MONACO TWR Monte Carlo in TK 2143, tlk by OM, ID in EG at 2144 s/off (Costello 4/13)
- 7250 INDIA AIR Panaji Goa in lang 0128*, IS, ID, nx, Hindi mx, QRM from Vietnam* (Urbelis NY 4/8)
- 7260 RUSSIA V of Vietnam relay in EG 0100, ID, sked, nx, cmntry, Aussie-accented anncr, mailbag pgm (Paszkievicz WI 4/1, Urbelis NY 4/10, Costello 4/4)
- 7260 IRAN VOIRI Teheran in EG 2010-2024*, propaganda, nx stories, g (Raymond NH 4/19)
- 7270 ALBANIA R Tirana in AL 0200, ID, IS, national & regional nx, g (McGuire MD 4/22)
- 7290 SWEDEN R Sweden in EG 0130, tlk on baby food recall due to Madcow scare, g (Pasquale PA 5/7)
- 7395 USA WRNO New Orleans in EG 2101, LSU-Ole Miss baseball game live (Costello 4/19)
- 7480nf GREECE VOG in GK *2056-2220+, IS, multi-ling ID's, tlk, GK mx, g, //9425 (Alexander PA 4/6)
- 7510nf? BULGARIA RB Stolnik in IT 2000, nx, cmntry, tlks, ID's, folk mx (Urbelis NY 4/8)
- 75548nf USA KJES New Mexico in EG 0106-0200, relig pgming, ID, some rtty QRM (Alexander PA 4/19)
- 9310nf GEORGIA V of Hope in EG 1920-2005*, relig pgming, ID, g (Alexander PA 4/6)
- 9355 NO MARIANAS KHBI Saipan in EG 1120, inspirational tlk, ID, CSM pgming (Costello 4/20)
- 9388 ISRAEL IBA H.S. Jerusalem in HB 2210-2310, US oldies, nx, anmts (Urbelis NY 4/23)
- 9390 CHINA CNR Minorities Pgrm in Mongolian *1430, IS, ID, NA, tlks, f-g (Famularo JP 3/29)
- 9410 UNITED KINGDOM "Radio E" pgm via BBC in EG 1730-1800*, closing w/QTH in Belgium and E-mail address (Berg MA 4/6) ED: Radio E is a new one to me but it is listed as reported.
- 9410 CYPRUS BBC relay in EG 2359, clear site ID, IS, pips, TC, nx (Berg MA 4/8)
- 9425 GREECE V of Greece in EG 0135, feature on Easter services in Greece, g (Pasquale PA 4/26)
- 9510 SOUTH AFRICA TWR Meyerton in EG/lang 2030, ID, African lang pgming, g (Rigas IL 4/16)
- 9515 ALBANIA R Tirana in EG 2110, rpt of GM investments in Albania, g, //7110 (Fraser MA 4/14)
- 9550 UKRAINE R Ukraine Int in EG *0000-0100, nx, features, ID, sked, lcl folk mx, classical mx, "hello from Kiev", RUI usually under RHC Havana but reversed this time (Alexander PA, Pasquale PA)
- 9570 ALBANIA R Tirana in EG *1845-1857*, IS, nx, cmntry, folk mx, //7270 (Alexander PA 4/6)

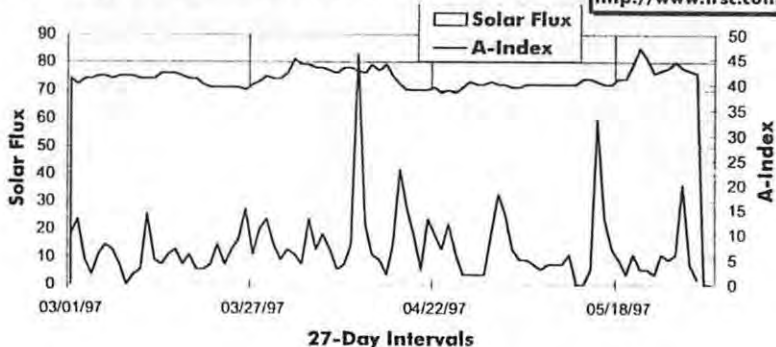
- 9580nf7 HUNGARY R Budapest in EG 0100, Portugal supports Hungary NATO entry, g (Pasquale PA 5/7)
 9595 URUGUAY R Monte Carlo in SP 0005, tlk re Patagonia, Montevideo, ID's (Paszkiwicz WI 4/22)
 9615 BRAZIL R Cultura Sao Paulo in PT 0222, PT ballads, //17815 (Paszkiwicz WI 4/22)
 9615 ALASKA KNLS in Mandarin 1426, relig pgming, songs in EG, g before f/o (Sgrulletta NY 5/4)
 9645nf7 ECUADOR HCJB Quito in EG 0905, nx, Studio Nine, f over R Bandeirantes (Bueneman MO 4/11)
 9655 TURKEY V of Turkey in EG 2240, tlk on working women's lives in Istanbul, g (Fraser MA 4/13)
 9655 AUSTRIA R Austria Int in EG 0030, story on effects of corruption in govt, vg (Pasquale PA 5/7)
 in EG 0041, rpt on abuses of worker's rights, feature on rock mx band, g (Moats OH 5/1)
 9670 ITALY RAI Rome in EG 1942, rpt on Turin Cathedral fire - shroud saved, g (Fraser MA 4/13)
 9680nf THAILAND R Thailand in EG 2030, nx, cmnty, gong, IS, ID, ex 9535 (Alexander PA, Urbelis NY)
 9690 ROMANIA RRI Bucharest in GM 1845, pgm re Bulgarian authors, WW II history (Paszkiwicz WI)
 9765 RUSSIA VO the Mediterranean relay in Russia (site?) in EG 1922-2000*, mx, tlk, ID, QTH, nx, severe QRM, //12060 much weaker (Sgrulletta NY 5/10)
 98099nf KIRIBATI R Kiribati in lang/EG 0530-0630+, island vcls, YL anncr at 0557 w/EG ancm, TC, relay of R Australia nx (Rausch NJ 4/30, Clark ONT 4/8) ED: Rausch rptd ex sig, Clark indicated weak reception on 4/8 and following days. Either way, this is an excellent catch if rptd 250 watts is right.
 9830 THAILAND R Thailand in EG 1413, "Travel Thailand" on diving boat rentals (Famularo JP 4/5)
 9900 EGYPT R Cairo in EG 2210, feature on Egypt thru the eyes of a visitor, f (Pasquale PA 4/24)
 9930nf7 USA R Free Asia via WHRI xmtr in VT 1407, ID in EG at 1429 (Costello 3/21)
 9955 USA R La Colifata via WRMI relay in SP 0230, ID in SP/EG, salutations to the U.S. president, g (Barrera ARGENTINA 4/8)
 9955 USA R Cochigunz via WRMI relay in SP 0000, ID's in SP/EG, lots of Andean & L. Am mx, req rpts QTH Buenos Aires, into LV de la Juventud Evangelica pgm 0030, f (Berg MA 4/26)
 9965 ARMENIA V of Armenia in EG 2030, new time for EG pgm, nx, cmnty, ID, g (Alexander PA 4/6)
 9985 PALAU KHBN V of Hope in Tagalog 1024, soft background mx w/OM talking in background with slow spaced phrases, ID in EG 1100, relig pgm, hymns (Urbelis NY 4/23, Costello 4/20)
 10330 INDIA AIR Delhi in Bamar? 1130, Hindi mx mix, few ancmts (Urbelis NY 4/10)
 11575 GREECE V of Greece in GK 1610, GK instrumental mx, ID, into Albanian 1615, f (Rigas IL 4/16)
 11605 ISRAEL Kol Israel in EG 1907, US peace envoy Ross expected in Israel, g (Fraser MA 4/13)
 11655 NETHERLANDS RN Flevo in EG 1815, rpt on opposition to Govt's drug policy, f (Fraser 4/13)
 117341 TANZANIA RT Zanzibar in lang? 2000*, AR chants, cmnty, ID, NA (Rippel VA 4/6)
 11775 ANGUILLA Caribbean Beacon in EG 1432, Dr Scott on abortion & evolution (Raymond NH 4/13)
 11800 ITALY RAI Rome in EG 0050, ID, nx, rpt on designer clothes, mx, //6010, 9675 (Moats OH 4/30)
 11810nf PORTUGAL D Welle relay in EG 0057, IS, ID, "News Link" rpts on Turkish raids & efforts to curb prostitution in Europe, g. //6040, 6085, 6145, 9640 (Moats OH 4/29)
 11815 JAPAN R Japan NHK Yamata in EG 1100, nx, "44 Minutes", hvy QSB, //6120 (Urbelis NY 4/10)
 11865 USA BBC relay via WYFR in EG 1500, site ID, nx, sports round-up, f (Flynn OR 4/23)
 11900nf FINLAND R Finland in EG 1230, nx, wx, sked, "YLE Focus", ex-11735, g (Alexander PA 4/26)
 12015nf ECUADOR HCJB Quito in EG 1910, relig pgm, ex-11990, no Kuwait QRM now (Alexander 4/13)
 12085 MONGOLIA R Ulan Bator in lang 1159, IS, ID's, into nx 1201 (Rippel VA 4/19)
 12085nf7 ALBANIA TWR in Farsi *1558-1644*, IS, Bible pgms, sermons, hymns, f (Urbelis NY 4/23)
 13625 FRENCH GUIANA R France Int relay in EG 1205, rpt on Zaire warfare, g (McGuire MD 4/25)
 13645 FINLAND R Finland in EG 0810, ID, skeds, rpt on FN defense needs, //15235 (Famularo JP 4/5)
 13695nf7 TURKEY V of Turkey in EG 1850, history of civilization in Turkey, f (Fraser MA 4/14)
 13695nf USA WVHA in EG 2057, IS, ID, relig tlk re revelations in the Bible, f (Moats OH 4/28)
 150099 VIETNAM V of Vietnam in EG 1357*, nx, cmnty, lcl pop mx, g, //9840 (Alexander PA 4/5)
 15175 GREECE V of Greece in GK/EG 1230-1350*, GK mx, ID's, nx (Rigas IL 4/3, Urbelis NY 4/19)
 15210 FRANCE RFI in EG 1718, tlk re Algerian crisis, "Spotlight on Africa", into FR 1730 (Moats 4/27)
 15225nf7 SOUTH AFRICA Investment Channel in EG 1414, ID, QTH, 24 hr sked, //11900 (Famularo JP)
 15365 ROMANIA RRI Bucharest in EG 1300, nx re Orthodox church, mailbag, mx, f (Robinson TN 4/12)
 15370 THAILAND R Thailand in EG 0030, IS, ID, ezl mx, world & lcl nx, f (Moats OH 4/28)
 15395 UNITED ARAB EMIRATES R Dubai in EG 1230, wx, tlk on Muslim law, g (Robinson TN 4/12)
 15460 FRANCE RFI in EG 1620, "Insight"-Vietnam turns to the West for help, //15210 (Fraser MA 4/13)
 17795 AUSTRALIA RA in EG 0259, pgm sked, ID, nx bulletin, "Dateline", //13755 (Moats OH 4/30)

TENTATIVE, PRESUMED, OR UNKNOWN

- 59859 MYANMAR R Myanmar(t) in lang 1422, no EG, nx, recurring theme mx, f-p (Flynn OR 4/16)
 6060 UNKNOWN Unidentified in FR 1956, hi-life mx past top of the hr, OM tlk (no theme mx, ID, or TC's) PWBR lists Cameroon & Niger this fqy but neither at this time (Famularo JP 3/17)
 6015 BOLIVIA R Panamericana(t) in SP 1028, ads, promos over huayno mx, f/o 1033 (Mohrman NY)
 65358 PERU R Dif Huancabamba(?) in SP 0002*, OA mx, s/off w/OA NA (Alexander PA 4-18/19)
 6560 IRAQ Rep of Iraq R(?) in AR? 1522, vocals, OM tlk, very weak sig, p (Flynn OR 4/17)
 67978 PERU Ondas del Rio Mayo(?) in SP 2350-0200*, LA & Andean mx, echo ID (Alexander PA 4/19)
 9770 THAILAND VOA Udorn relay? in EG 1740, "Communications World", call-ins (Flynn OR 4/19)
 ED: Recent International Broadcasting Bureau listing of VOA xmsns rpts Philippines relay on 9770 in EG from 1700-1800 to E Asia, S Asia, & SE Asia.
 15540 SEYCHELLES FEBA(t) in AR 1107, tlk in AR lang (Costello 4/20)

SOLAR FLUX & A-INDEX: MAR-MAY '97

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



FREE FREQUENCY SCHEDULES: A packet of eight current frequency schedules for R. Australia, BBC World Service, China Radio International, RFI, RAI-Italian Radio, Kol Israel, R. Mexico International, and Voice of Turkey. Send your name and address to George J. Poppin, 2654 Seventeenth Avenue, San Francisco, CA 94116.

FOR SALE: Late 1960's Hammarlund HQ-180AC general coverage receiver in mint condition with manual and built-in digital frequency LED readout. Will sell for \$400.00 or best offer. Call Verlin Shinn at (818) 347-2638. No collect calls, please.

FOR SALE: 1962 National Radio NC-190 general coverage receiver with manual. Has both ham and International Broadcast bandspread fine tuning. I'm the second owner, and this classic tube set is in good working condition. I hate to part with it, but I'll sell it for \$175.00 including shipping in the 48 states. Call Rick Bowers at (908) 654-1580 evenings or weekends or email <rickbowers@worldnet.att.net>.

FOR SALE: World Radio TV Handbooks: 1983, 1984, 1985, 1993, and 1994. Price is \$5.00 each plus \$1.00 book rate postage or \$20.00 for all five including postage in U.S. Thomas R. Sundstrom, P.O. Box 2275, Vincentown, NJ 08088-2275. Email <trs@trsc.com>.

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to more than 480 WRTII transmitter sites including new Russian republics. ITU Country Codes included. Send your location or coordinates, \$8.00. Also 1996 NASWA Journals complete, \$15.00. 1996 Passport to World Radio, \$10.00. WRTII 1991, \$5.00; 1996, \$10.00. All items include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Email <ADrehman@juno.com> or phone (704) 894-3398, not collect, please.

NOTICE, PLEASE: Ads are published free of charge to NASWA members when space permits. Send all ads to NASWA, 45 Wildflower Road, Levittown, PA 19057-3209 with all pertinent information including who is to pay postage if applicable. Please try to avoid obscure abbreviations. Ads can be published for only one month. After that, another ad or request for reprinting must be sent. This is to avoid offering equipment that has already been sold.

WORLD OF RADIO SCHEDULE, effective May 22: On WWCR Nashville, Thu 2030 15685, Sat 0605 3210, Sat 1130 5070, Sat 1300 15685, Sun 0900 3210, Sun 2330 5070, Tue 1230 15685.

On RFPi Costa Rica: Fri 2000, Sat 0400, 1100, 1800, Sun 0200, 0900, 2300, Mon 0700, Tue 1900, Wed 0300, 1000—on 15050 AM in 1500-2400 period, 7385 2200-1200, 6205-USB 0000-1200

For latest update see the WOR website:

<http://idt.net/~khechl19/ghauser>

(Glenn Hauser, May 22)

MFJ News Release

MFJ ENTERPRISES, INC., P.O. Box 494, Mississippi State, MS 39762 USA Phone: (601) 323-5869 FAX: (601) 323-6551

NEWS RELEASE For Immediate Release

Richard Critz Stubbs Jr., KC5NSZ
(601) 323-5869

MFJ-1026 can turn your antenna into a directional receiving phased array and 60 dB null wipes out interference and noise . . . for only \$139.95!

When you plug your station antenna into the MFJ-1026, your antenna system turns into a directional receiving array! You can place a null up to 60 dB deep on any type of noise and interference arriving from any direction and wave angle. Wipe out interference and noise before it gets into your receiver!

It works on all modes -- SSB, AM, CW, FM -- and frequencies from VLF to VHF. You can instantly change from nulling to peaking a signal at a push of a button and improve weak signal reception!

The MFJ-1026 will wipe out all kinds of interference! Lightning crashes from distant thunderstorms, severe power line noise from arcing transformers and insulators, lamp dimmers, touch controlled lamps, electric drills, motors, industrial processes, TV birdies and more can be eliminated with the MFJ Deluxe Noise Canceling Active Antenna.

With the MFJ-1026 in line at your station, you can eliminate unwanted signals and expose hidden stations. Is a strong local ham overloading your sensitive receiver? Cast a deep null on him and literally take him out -- you won't even know he's there. You can even dig out a weak station hidden under a powerful one on the same frequency! Null out your local AM broadcast station, underneath you might find an exotic, distant station on an island you've never heard of!

The MFJ-1026 is far more effective than a noise blanker. A noise blanker can't completely remove much stronger interference than your desired signal. It can't prevent overload by canceling noise before it gets to your sensitive receiver. A noise blanker can't peak or null signals.

The MFJ-1026 is better than a phased antenna. Your antenna and a MFJ-1026 in line can electrically "rotate the array" while the antennas remain physically stationary. You can adjust both direction and wave angle of null or peak.

MFJ's Deluxe Noise Canceling Active Antenna can be used as an adjustable phasing network. You can combine two antennas to give you various directional patterns and improve receiving signal levels.

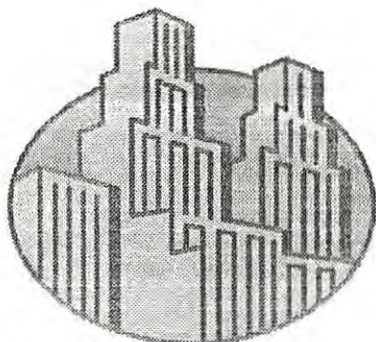
MFJ's new noise canceling active antenna is very easy-to-use. It simply plugs between your transmitting antenna and transceiver. To null, adjust amplitude and phase controls for minimum S-meter reading or lowest noise. To peak, push reverse button. Use built-in active antenna or an external one. Has constant amplitude phase control. A RF sense T/R switch bypasses your transceiver when you transmit. Adjustable delay time. Uses 12 VDC or 110 VAC with MFJ-1312B, \$12.95. 6 1/2 x 1 1/2 x 6 1/4 inches.

MFJ-1025, \$119.95. Similar to MFJ-1026 less built-in active antenna, uses external antenna.

The MFJ-1026/1025 noise canceling devices come with MFJ's famous "NO MATTER WHAT" one year unconditional warranty. MFJ will repair or replace (at their option) for one complete year.

For your nearest dealer or to order, call toll-free 800-647-1800, fax 601-323-6551 or write to MFJ Enterprises, Inc., 300 Industrial Park Road, Starkville, MS 39759.

ORCHID CITY SOFTWARE



VOYAGEUR V1.1 for DOS

The newest database suite from Orchid City Software has just been completed. It is the Voyageur v1.1 Radio Database for DOS. The Voyageur 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.
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- ◊ 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 Voyageur 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

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