

NASA

the
JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

Volume XXXV Number 2

February 1995

emisora
VOZ DEL UPANO
HCVB-7



1.540 KHz. onda media
5.040 KHz. onda corta

MACAS

MORONA-SANTIAGO

Agosto-5-1984

DRAKE**SW-8****SPECIFICATIONS**

Dimensions	11 5" W x 5 25" H x 13 D
Weight	10 Lbs. (13 Lbs. ship)
Frequency Range	500 - 30000 kHz 87 - 108 MHz 118 - 137 MHz
AC Power	120 VAC 60 Hz adapter or 6 internal D cells
Antenna 1	50 ohms unbalanced
Antenna 2	50 or 500 ohms unbal
Antenna FMAIR	300 ohms
Selectivity	⊖ 6dB Mode 6 0 kHz AM 4 0 kHz AM 2 3 kHz LSB/USB
Ultimate Selectivity	>95 dB
Image Rejection	>60dB 5-30 MHz >50 dB 87-108 MHz >60 dB 118-137 MHz >80 dB 55 845 MHz >80 dB 455 kHz
IF Rejection	>80 dB 55 845 MHz >80 dB 455 kHz
IP3 Intercept Point	>>10dBm 20 kHz spacing >20dBm 5 kHz spacing
Dynamic Range	>95 dB 5-30 MHz SSB 10 dB S+N/N
Sensitivity	SSB <0 5µV 5-30 MHz AM <2 0µV 5-30 MHz FM 120 dB S+N <4 0µV 87-108 MHz FM 120 dB S+N <4 0µV 118-137 MHz
Freq Stability	±10 ppm 0° to 50 C ±100 Hz ⊖ 50 C
Freq Accuracy	1st IF = 55 845 MHz 2nd IF = 455 kHz
Intermediate Freqs	
Ext Speaker Output	2 Watts, 4 Ohms -5% distortion
Line Output	300 mV, 4 7K Ohms
Operating Temp	0 to 50 C

Add the MS-8 matching external speaker for improved fidelity and clarity (4 inch 4 ohm 2 SW with 6 ft cord)

MS-8 Order #2846 \$48.95 (+\$3)

The R L Drake Company has created another winner. The new SW 8 is a portable communications receiver offering the worldband listener an impressive array of features. Coverage from 500 to 30000 kHz is supported in AM USB and LSB modes. Quality reception of the AM broadcast band and all of shortwave is assured. We were delighted to learn that Drake elected to include the FM broadcast band in the new SW-8. Finally a quality communications receiver with FM broadcast band (87-108 MHz) coverage. And it sounds great too! The extra heavy, forward facing speaker, along with a tone control, combine to offer pleasing fidelity. As a bonus, the VHF aeronautical band is also featured (118-137 MHz). Enjoy listening to commercial aircraft over-head or even control tower transmissions if you live near an airport.



The impressive backlit LCD panel provides all the operational data you need to navigate this impressive receiver. Frequency display resolution is to 100 Hz on AM, shortwave and aircraft bands. The SW-8 is a full fledged communications receiver, but it is also a true portable. The full size front handle makes it easy to carry. Please note that this handle can be conveniently removed by the user for stationary operation. The SW-8 holds six D cells and a pivot point 41 inch telescopic whip extends from the front for fully independent field operation. A 1/8th inch headphone jack is provided.

For the shortwave and medium wave broadcast bands a synchronous detector (SYNC) improves reception by reducing distortion due to fading signals. Other aids include slow or fast AGC RF attenuator and tone controls. Three IF bandwidths are supplied (6 4 and 2 3 kHz). Two independent clocks provide dual time zone selection and a two event timer turns the radio on at a prescribed time. Seventy non-volatile memories store frequency mode, bandwidth AGC setting, RF attenuator and synchronous detector on/off. Memory channels may be accessed manually or through "time scan" with each channel monitored for 5 seconds. Keypad entry provides instant access to any frequency.

The back plane of the radio includes a PL259-type antenna jack or wire inputs for shortwave. Spring terminals are also provided for an external FM/AIR antenna. Record output, and external speaker (4 - 8 ohm) jacks are also featured. The SW-8 comes with a plug-in 120VAC power pack or may be run from six D cells (not provided). The latest member of the proud Drake family, the SW 8 provides performance, flexibility and features at an affordable price. Made in the U S A.

LIMITED WARRANTY

Standard Manufacturer Warranty 1 Year

Optional Extended Warranty To 3 Years

Order #0564 \$29 00

PRICING

Drake SW-8 List Price \$599 00

Drake SW-8 Discount Price

Order #0088 \$589 95

Shipping/Handling Insurance \$8 00

AOR**AR-3030**

This new receiver provides excellent value for the money. Advanced features include DDS (Direct Digital Synthesizer) with patented NCO (Numeric Controlled Oscillator) that dramatically improves carrier to noise ratio. Ten Hz tuning accuracy insures precise tuning. A synchronous detector improves AM signals that are fading. Tuning via the keyboard or large smooth main tuning knob. A built-in TCXO (Temperature Compensated Crystal Oscillator) provides 5 PPM stability. Other refinements include AGC control with off position large amber backlit LCD analog S meter dual VFOs RS-232 serial interface and 100 memories with scan. Options will include VHF Converter, Filters Rack mount, etc. Two year factory limited warranty.

AR3030 Order #3030 \$799.95 (+\$9.)

SPECIFICATIONS

Dimensions	10" W x 3 55" H x 9 5 D
Weight	4 8 Lbs (7Lbs ship)
Frequency Range	300 30000 kHz
Power	12 VDC or 8 AA cells
Antenna 1	50 or 450 ohms
Selectivity	6 / 2 4 kHz ⊖ -60dB
Image Rejection	>70 dB
Dynamic Range	>100dB @25kHz spac
Sensitivity	10 dB S+N/N
SSB	<5µV 540 1800 KHz <5µV 1 8-30 MHz
AM	<15µV 540 1800 KHz <1 5µV 1 8-30 MHz
Freq Stability	±5 ppm 5 to 130 F
Intermediate Freqs	56 655 MHz & 455 kHz

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NASWA Notes

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

In this issue of the *Journal*, you will find The 1995 NASWA Membership Survey developed by Dr. Harold Cones. Please take a few moments to fill out the survey and return it to Harold as soon as possible. It is important that we obtain a high participation rate in order to properly gauge the effectiveness of the material presented in these pages each month. The last survey, conducted in October 1989, helped formulate the *Journal* of the 1990's. It is now time to see how we are doing and we need your help in this effort. NASWA members have always been active participator so we look forward to your response. On behalf of the entire Executive Council, thank you for your cooperation and assistance with this worthwhile project.

In this month's *Journal* we have the announcement about the 1995 North American DX Championships scheduled for

March. ANARC Contest Chairman Harold Cones and his committee have arranged a number of interesting twists to this year's event. NASWA's have always placed well in this major shortwave DXing contest. Let's keep the tradition going.

The Shortwave Classroom is an international newsletter for teachers about using shortwave radio listening in the classroom to teach about global perspectives, media studies, world geography, social studies and other subjects. Published in December, April and August as a volunteer project it is available for \$10.00 plus an accompanying feature to share with teachers in the newsletter. Further information and a sample copy (\$2.00) are available from our Radio Stamps editor Neil Carleton, Naismith Memorial Public School, P. O. Box 280, Almonte, Ontario K0A 1A0, Canada.

Welcome to the following new NASWA members -

Phil Amend, New York, NY
Donald R. Barber DDS, Buffalo, NY
Mr. Dean Bianco, Eastchester, NY
Steven Bryant, Laurel, MD
Tom Clutters, Ironton, OH
John W. Collins, Frederick, MD
Armundo B. Frusco, Berwyn, IL
Cevin Gansner, Highridge, MO
Mr. Keneth R. Godfrey, Fontana, CA
Kenneth C. Gold, West Bloomfield, MI
Michael Grossman, Boston, MA
Kuniya Hatakeyama, Chiba, JAPAN
Burt F. Hofferth, Lancaster, PA
Louis Holden, Cambria, CA
Bill Holstein, Abilene, TX
Toshio Imazeki, Chiba, JAPAN
John M. Kupinos, Shrewsbury, MA

Peter Ledger, Westford, MA
Anthony Leo, Port Richey, FL
Richard N. Livermore, Winnipeg, MB
CANADA
Harrison Marr Jr., Tacoma, WA
Michael Matus, Farmington, NM
Yoskiki Noguchi, Moto, JAPAN
Gil Robertson, Western Springs, IL
Al Romero, Newton, MA
Conrad F. Routh, Chamblee, GA
Dennis Ruga, Calverton, NY
Mark Schiefelbein, Phoenix, AZ
Douglas H. Seggell, Whitman, MA
Gerald M. Sillings, Mena, AR
Paul Valois, Hubbardston, MA
Dave Weinrich, Moorhead, MN
William P. Westcott, River Edge, NJ

Our Motto is - "Unity and Friendship"

Once again, I am pleased to announce that ANARC's Executive Board approved another membership application. The Pacific Northwest, British Columbia DX Club ("PNBCDXC") has been accepted as a member of the Association of North American Radio Clubs by the Executive Board of ANARC. The Pacific Northwest, British Columbia DX Club (9705 Mary NW, Seattle WA 98117) was formed in 1982 to encourage fellowship and information exchange among DXers of all bands in the Washington, Idaho, Oregon, and British Columbia area of North America. PNBCDXC has published a regular newsletter 10-12 times/year, depending upon the level of contributions, since March of 1991. The newsletter contains a calendar of upcoming events, along with current news of stations in the PNBCDXC area. In addition, the latest PNBCDXC member SW/AM/FM and TV loggings are often listed. Other items of interest that appear frequently include radio reviews and information on publications pertinent to the hobby. The PNBCDXC has an annual meeting (usually in February) at the home of PNBCDXC Editor-in-Chief Bruce Portzer. Other meetings and/or get-togethers are planned periodically. At this time, dues for the PNBCDXC are \$9.00/year for US, \$10.00/year for Canadian members.

At their club meeting on January 22nd, our good friends at DX Australia (P. O. Box 285, Mt. Waverley, VIC 3149, Australia) appointed John Kecskas as their new Chief Editor. John is also the club's Onda Corta editor (loggings column) and can be reached through the Internet at: cabby@melbpc.org.au. DX Australia publishes an excellent bulletin entitled DX'ers Calling. If you are looking for a quality DX club from the Pacific region

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F, Hausie WB4JSP, and Tom Sundstrom W2XQ, host an always lively gang of DX monitors. (Best heard in the eastern half of NAM)

to join, I can recommend this one. I have been a member for many years and find the membership very friendly and very good at our hobby of DX'ing. A sample copy of DX'ers Calling can be received from the Mt. Waverley address for US\$2.00; airmail subscriptions to North America are A\$35.00. They accept US currency; US\$25.00 will take care of one year's dues.

The 8th annual Winter SWL Festival is just around the corner. I hope to meet many of our members at North America's foremost DX gathering. It's not too late to register so mark your calendar for 16-18 March 1995. Word has it that Kulpsville's finest will be on the look out for Pancho Villa this year! I was told by the Fest committee that a postal clerk at the Colmar post office made an error in early January. If your Fest registration was returned to you, please resend it. It appears to be only 1 days worth of mail, perhaps January 11.

Tiare Publications (P. O. Box 493, Lake Geneva, WI 53147 USA) sends word about

DUES INCREASE

With the recent increase in postage costs and other operating expenses of the club including printing, the Executive Council has determined that a US\$1.00 increase in membership rates for North America is necessary effective April 1, 1995. This is the second postage increase experienced since the last time dues were raised. In North America dues will be US\$26.00. Any member in North America can renew at the old rate until that time. Overseas postage rates may rise later this year which could result in membership rates increasing. Overseas members may also renew early to avoid the increase.

some new books that are being released which our members may find interesting. The first is a new book called Long Wire Antennas by aerial expert Frank R. Hughes which discusses the theory and operation of this type of antenna accompanied by dozens diagrams, charts and tables. (Available for US\$12.95 plus US\$2.00 shipping and handling). The second is BBS Radio - The National Directory of Radio Hobby Bulletin Board Services by Mike Witkowski. This book lists hundreds of computer bulletin boards which are partly or completely devoted to various aspects of the radio communications hobby. (Available for US\$9.95 plus US\$2.00 shipping and handling).

Finally, it is my unfortunate duty to report that two longtime shortwave-oriented hobby clubs have (or will) cease operations. Through members Rich Hankison and Fred Kohlbrenner comes news that the Society to

Preserve the Engrossing Enjoyments of DX'ing (SPEEDX) has ceased publication of Shortwave Radio Today due to cash flow problems. SPEEDX first appeared on the hobby scene in 1971. As a former member of the Board of Directors, I was shocked to learn the news. Also, I have received word from Reuben Dagold, Publisher of the Association of DX Reporters, that the February issue of the DX Reporter bulletin will be the last for the club. After 13+ years, the Publisher, Treasurer and editors decided that it was time to close things down due to a declining membership support in terms of contributions and a shrinking membership base. The ADXR filled an important niche in the hobby as an all wave club with coverage of long wave, medium wave, shortwave, ham bands, etc. Both clubs added value to the hobby scene... they will be missed.

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

Calendar Of Events

- Feb 17 - Meeting, Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- Feb 17 - Meeting, The Boston Area NASWA Chapter. The Lexington Club, Route 4/225, Lexington, Mass. 7:30 PM This location is 1/4 mile West of Route 128 exit 31. For more information contact: Paul Graveline - Telephone: (508) 470-1971 or Internet: 74007.3434@Compuserve.com.
- Feb 18 - The Miami Valley DX Club (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC (614) 471-9973 Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
 - Meeting, N.E. Ohio SWLs. Meetings temporarily suspended until further notice.
- Apr 2 - The Tidewater SWLs meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.
- Mar 16-19 - The 8th Annual Winter SWL Festival, Kulpsville Holiday Inn, Kulpsville, PA. Registration form in last month's Journal or SASE to Winter SWL Fest, PO Box 591, Colmar, PA 18915

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

Musings

This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are are soley those of the submitters. Please submit all Musings to Bob Brown, 238 Cricklewood Circle, Lansdale, PA 19446 or via email - 74756.1557@compuserve.com

Peter J. Bowen, 95 High Park Ave. , Apt. 804, Toronto, Ontario, Canada M6P 2R8

Like many others in the shortwave hobby, I classify myself as a program listener. In fact, I would go further and describe myself as an avid program listener. I only listen to broadcasts in English, never venture below 5800 kHz, listen regularly to about ten big international broadcasters (plus a few others on an irregular basis), and do no Dxing and QSLing. These have been conscious decisions on my part for several reasons: I do not want to spend time listening to a broadcast in a language that I do not understand, waiting for an ID that may or may not come, and which I may or may not catch (or even understand) if it is announced. Instead, I want to be able to understand every word that is broadcast, so that I can learn as much as possible about the world in which I live, as well as the country from which the broadcast originates. In short, shortwave listening is for me a means of personal education and growth.

Given my passion for program listening, I am becoming increasingly dismayed by the lack of written material in this aspect of the hobby. There seems to be little written on program listening as an activity in itself, as opposed to the various aspects of more traditional Dxing. Of course, there are several program lists around (e.g. The Shortwave Radio Guide), which are quite useful though they tend to date rather quickly. But there appears to be little written on the more general, conceptual, and theoretical aspects of program listening. The only publication that I know of that even approaches these goals is Passport to World Band Radio. This is an excellent place for the new program listener to begin. Its contents are straightforward and very easily digested. Where does the program listener then turn, however, for more advanced and challenging reading on the topic? Dxers have the various volumes of Proceedings to which to turn, but what about the program listeners?

Besides an apparent lack of written material, there is also a lack of awards and contests geared to the program listener. NASWA has many fine awards, but there are none relating specifically to program listening (viz. awards for listening to program content for its own sake, rather than for hearing Ids and obtaining QSLs). And what about contests: there are several DX contests on the continent, but none that I know of which focuses specifically on listening to program content, as opposed to logging/identifying as many stations as possible.

Given the fact that broadcasters exist to broadcast programs, and not simply announce IDs and issue QSLs, why do we as shortwave radio hobbyists focus so much of our attention on IDs and QSLs, rather than on actual program content? And when we do listen to program content, how often is it in order to acquire details for a reception report?

Why is there so little attention given in the hobby to program listening? Is there any interest among program listeners for articles and books on their specialty in the hobby? Is there any interest in awards and contests designed especially for them? In short, what is the present state of program listening within the hobby?

Jim Ducharme, 58 Camden St., South Hadley, MA 01075

Just read about the recent editorial changes in the January "Journal" and I wanted to drop a line to sayThanks for your good work. You've been instrumental in establishing a first rate publication and you deserve a hearty "We're not worthy" from all us members.

I also enjoy listening in to the ANARC SWL net on Sundays although the band conditions have "sucked" as of late. Anyway... one thought or idea for the Musings column. With the recent problems via U.S. Mail re: Loggings and QSL column, what about making the "great leap forward" and using fax machines for the Contributing/Distributing Editor and Tropical Band and International Band Editors? Members could fax log reports to one or more and editors could fax between each other. No more "Pony Express". Any chance?

Nick Terrence, 12 Eleanor Place, Huntington, NY 11743

Thought I would share a wonderful experience that occurred around the holidays. Each year in my department where I work, we have holiday grab bag gift giving. Everyone blindly picks a folded piece of paper with a colleague's name on it. Gift giving costs are usually limited to less than ten dollars. On the grab bag day, I noticed a sizable box with my name on it.

I was shocked to find my boss's old National Panasonic R-5000 Communications receiver that he was passing on to me! This baby is no light weight - 22 lbs. but is a class receiver. Designed with leather and chrome, the front folds out to reveal a large analog scale covering LW, MW, FM and 8 full shortwave bands to 30kHz. Bass and treble controls along with a fine tuning dial give this puppy that full rich sound similar to tube sets. The antenna for shortwave is a unique rectangular frame type that folds up from the back of the receiver. When an external antenna is plugged in, the sensitivity is similar to my Drake R-8.

The set operates on AC or DC, has one band width filter, along with an ANL and AFC for FM. There are two whip antennas on each end of the unit for FM.

I assume this set was competing with some of the Zenith Trans-Oceanic models during the 70's. If anyone has any historic information about this receiver I would appreciate a note. Thanks. What a gift!

John Bryant, Rt. 5, Box 14, Stillwater, OK, 74074

Some time ago, NASWA Tony Orr found two of the very few SWBC transmitter locations that were missing from the world-wide list which was published in Fine Tunings' Proceedings 1992-93. He notified me of those two locations and I inadvertently left them out of the recently published Proceedings 1994-1995. Since more and more of us are using computer software such as GeoClock or DXAid as a very real DXing tool, these two locations are sure worth knowing. Both are in Brazil: Rolim de Moura at aprox. 12 deg. South, 63 deg. West and Senador Guimard at aprox. 10 deg. South, 67.5 West.

I might also note that sales of Proceedings 1994-1995 are going very well with more 94-95s sold in three months than the previous 92-93 edition sold in 2 years. We are going to keep all back editions in print and available for at least the remainder of this DX season, and possibly throughout 1995. If you need pricing information: \$20.50 + \$4 S+H to FT Spec Pubs, in care of me at the above address.

I'd like to add my thanks to those already expressed for the long service of Bob Brown as Executive Director and the "retiring" members of the Executive Council of NASWA: Gerry Dexter, Glenn Hauser and Don Jensen. Without their long years of effort, we might not even have an organized SWBC-only hobby group in North America. They leave us quite a legacy! Well Done, gentlemen, Very Well Done! -- John B.

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

I found the 1994 Winter Shortwave Fest First Annual Listening Profile by Richard Cuff and John Figliozzi, presented in last month's Journal, interesting reading. I was amazed at how popular the Sony ICF-2010/2001D is among those surveyed. I think many of the survey results correlate with similar survey's in the past. Considering a majority described themselves more as listeners than DX'ers, it was interesting to note that the two most popular

programs were related to DX'ing (Media Network and World of Radio) with another ties for third (DX Partyline). I hope the authors are planning another effort for this year's FEST.

Bob Brown, 238 Cricklewood Circle, Lansdale, PA 19446

I'd like to take this opportunity to express an "Aw Shucks..." in response to all the letters and notes I received concerning my stint at the wheel of the best SW hobby club in the world. I, and all NASWA members, are fortunate to have a staff of one heck of a group of dedicated individuals that take pride in carrying on the great tradition of those that preceded us since the club's beginnings in the early 60's. Without a dedicated staff and contributing club members, the Executive Director position means nothing. So, I'd like to say "You're Welcome" and "Thank You" both in the same breath. It was fun and a pleasure to serve.

In some email discussions between those of us on Council, Jerry Berg mentioned that "We ought to have something on computers AND DXing." The thoughts he expressed in his email struck a chord with me as something that I think might be of great interest to the club. Jerry went on to give examples of what the column might cover - "Possible topics: SW BBS's, rec.radio.sw, CIS/AOL/etc. SW forums, E-mail (including relevant E-mail addresses), receiver-control software reviews, controlling computer-generated RF, SW DB recordkeeping, writing reception reports, foreign language "translation" programs, and other technology-related topics, like FAXing reception reports and lists of station FAX numbers." In another email, Ralph Brandi mentioned that he was submitting what he's been calling "Net Notes" over the last few months as space permits. He's included some interesting World Wide Web addresses that I know I've added to my Web Bookmarks... perhaps some of you have also. To make a long story short, I'm interested in taking a crack at this type of column, but I need a couple of things. First off, I'd like some feedback that you're interested in this and secondly, I don't want to author this all by myself. I'd like some volunteers to help provide some input. It's undecided as to the frequency of the column; I think that it would probably start out as "space permits". I manage a PC technical support group for a living so I know the techie stuff, and although I've been mostly a lurker, I'm active on the Internet (full SLIP), CompuServe, and AOL. This idea cropped up after Harold got the survey together so I don't believe it's addressed there. If you agree that this is a good idea, drop me either an email or a regular mail and talk me into it. I can be reached at - (Internet) bbrown@netaxs.com -- (CompuServe) 74756,1557 -- (AOL) BBROWN3394 -- or, at my postal address at the top of this musing.

Lastly, please be sure and fill out the survey in this issue and mail it in. It's a chance for you to help the staff structure the club the way you'd like to see it. I look forward to seeing everyone at the Winter SWL Fest. If you've never attended, you don't know what you're missing. It's great fun, as those that continue to come from year to year attest. It's gotten to be like a family reunion....come on and join the fun, you'll be glad you did.

73, Bob KW3F

FRENDX: Twenty Five Years Ago....

A separate page giving the platform of each of the candidates running for the Board of Directors was distributed. Members Mike Walsh and Mike Macken were busy forming a local group of Dx'ers in the Boston area. Shortwave Center Editor William Matthews writes about his visit to the Voice of America's Bethany transmitter site with Martin Hall of England. Marlin Field compiled the 1970 Station Pennant List which featured 157 different stations in 54 countries. QSL Report Editor Gregg Calkin highlighted verifications from Bougainville, Botswana, Garoua, FBS in Athens, Fiji, Laos, Latvia, Seychelles, Uganda and the Tromso, Norway transmitter. In the Log Report, Dan Ferguson mentions the 1970 WRTH had arrived containing 400 pages of which 200 were of interest to the SWBC DX'er. The Flashsheet contained the saga of the last days of the Voice of Biafra.

COUNTRY LIST COMMITTEE REPORT

Since the earliest days of DXing, some 70 years ago, statistics have been a part of the listening hobby. Traditionally, it seems, we have a need to count. Since shortwave is global, it is natural that our common unit of measurement is the country. How many countries have we heard? How many verified? Most DXers have at least some interest in these numbers.

On the surface, it would seem a simple thing. Just count the countries, stupid! And defining a country would seem to be a snap. In practice, however, it is not. There are complicating factors. Differences in political and geographical factors often conflict. Longstanding listening hobby traditions must be kept in mind.

One of the biggest problems is time. Politics change over time. Colonies become nations. Conquests gobble up once independent states. Ethnic differences split onetime countries into several new political entities.

In the real world, countries today may not be countries tomorrow. Yet the DXer's hobby may span many years. He or she is loath to remove a former country from his heard/QSLed totals list simply because some tinpot despot has invaded his neighbor. And what happens if that victim country manages to break free from the conqueror at some future date? Does it re-emerge as a country? And what of the listener's old logging? Is it here today, gone tomorrow, but back again the day after?

To resolve such issues in something like a consistent manner, NASWA years ago created its own country list to serve as a counting standard for its members, and a country list committee to oversee its management. Currently, this committee consists of seven members, Jerry Berg, John Bryant, David Clark, Harold Cones, Gerry Dexter, John Herkimer and chairman Don Jensen. Collectively, this committee has nearly 250 years experience in the DX hobby.

The committee is responsible for periodically adding new countries to the list. (In order to provide fairness and long-term consistency, it is a basic policy not to remove a country from the list, even though politically it may no longer exist — e.g., Biafra — or may no longer be broadcasting on shortwave — e.g., Fiji.) The committee also interprets and explains the use of the list to NASWA members and other users.

It should be noted that while the Country List was created for and is maintained by NASWA for the use of its members, it also has been adopted as a hobby counting standard by a number of other clubs in North America and abroad, and by countless individual SW DXers around the world. We welcome and are delighted by such widespread acceptance of this list as the SWL DXer's counting standard.

The committee meets, normally twice a year, via mail, FAX, e-mail and/or telephone to consider pending country list matters. It compiles and makes available a current Country List booklet, which includes information on how to use the list to count countries heard or verified. A new and up-to-date Country List booklet was completed early in 1994 and is available for \$2 from NASWA's COMPANY STORE. Last month, the committee completed its mid-year session and determined that no additions to the list are appropriate at this time. The committee again will meet early in the new year.

Maintaining a country list standard which balances fairness to beginning listeners and longtime DXers, one which attempts to resolve seemingly irreconcilable differences between the world's political realities, geographic considerations and important and longstanding listening hobby traditions, is more complex than most listeners realize.

For those interested in delving more deeply into the whys and hows of the subject are encouraged to read "Counting Countries," an essay which appeared in the 1989 edition of FINE TUNING's PROCEEDINGS, which we hope also may be reprinted in serial form in future issues of THE JOURNAL.

The NASWA Country List Committee intends to continue these periodic reports to the membership several times a year, to keep you informed of new countries, when added, and answer general interest questions about the list and its use. The committee seeks member input and suggestions at any time. You may write the committee in care of the chairman, Don Jensen, 5204 70th St., Kenosha WI 53142. However copies of the list booklet are available only through NASWA's COMPANY STORE.

Easy Listening

Richard D. Cuff
P.O. Box 4512
Timonium, MD 21094-4512
CompuServe: 73651,153
Genie: R.CUFF
Internet: rcuff@memtec.com

Swiss Radio International— The Second Half Hour

While most of Swiss Radio International's (SRI's) English language broadcasts only include the first half hour of SRI's daily hour of English, the 0400 relay to North America on 9905 kHz is a full hour of English. 9905 generally propagates well here in the Mid-Atlantic region, making the program an ideal candidate for taping. Here are the daily program features:

Sundays: Technorama looks at Swiss technology and innovation

Mondays: Rendezvous is an interview program, focusing on people of interest to an international audience.

Tuesdays: World Scene concerns itself with current affairs from a Swiss perspective. The stories are generally more human interest oriented than what you would expect to find in the daily NewsNet dose of current affairs.

Wednesdays: Business As Usual, all about Swiss business and economic news.

Thursdays: Swiss Scene features Swiss current affairs of interest to a worldwide audience.

Fridays: Mosaic, all about the arts and cultural events in Switzerland

Saturdays: Down To Earth investigates environmental affairs affecting, and affected by, Swiss activities.

HCJB—The Voice of the Andes

What's especially noteworthy among recent HCJB developments is a weekly update on program highlights delivered by electronic

mail. The time horizon is too short to be useful in the *Journal*, but, if your e-mail address is Internet addressable, you can get on the HCJB electronic mailing list yourself. Contact HCJB at english@mh.hcjb.com.ec for more details. As for February highlights:

Sports Spectrum is a relatively new program with interviews and sporting news, no doubt interlaced with gentle evangelism HCJB style. Saturdays at 1830 to Europe and the Americas, and Sundays 0300 to the Americas.

Musical Mailbag claims to be the zaniest mailbag program on shortwave, with laughs, food, and music all part of the package. As for zaniness, you'll have to judge for yourself. Saturdays to Europe at 0700 and 1900, to the South Pacific at 0930 and 1900, and Sundays 0030 and 0630 to the Americas.

Morning In The Mountains now has added daily themes for its weekday releases. Monday features sports; Tuesday, the family; Wednesday, listener appreciation; Thursday, prayer; Fridays, a featured musical artist. Allen Graham and Leonard Kinzel host the weekday releases at 1200 and 1600; Karen Schmidt hosts a Saturday edition at 1330 and 1600. All releases are targeted to the Americas.

Radio Sweden—"Nordic Report"

John Figliozzi mentioned on GENie that Radio Sweden has begun a new monthly feature entitled **Nordic Report**. According to John, **Nordic Report** is jointly produced by Radio Sweden, Radio Finland, and Radio Norway International and will be a monthly feature on the latter two stations as well. Radio Norway will broadcast the program on the second Sunday of each month in its weekly English program. Radio Finland will have it in its transmission: on the second

Saturday of each month. The December program discussed the effect of recent votes on joining the European Union will have on future relations among the Nordic nations.

John wonders if this joint effort represents a tentative first step toward combining the three services into one joint Scandinavian/Nordic "superservice". Given recent trends towards service contraction, I would expect more jointly produced programming. Perhaps overall air time won't be reduced, but some programming will be repeated on different services. This will be an interesting trend to watch.

Short Bits

Radio Netherlands

David Scherperhuizen presents *The Hunger Winter*, a recollection of the greatest time of need and desperation in the Netherlands during World War II. David talks with those who lived through that winter and the younger generation that has never known such desperation. In the Documentary program slot, Thursday, February 16th, 0052 and 0352; also presumed to air Friday, February 17th, 2352. These are the North American releases; other targeted broadcasts on February 15th and 17th will also carry the program.

Deutsche Welle

Tuesday, February 14th, 0300 Release: *Economic Notebook* looks at the state of the European Union with the addition of Austria, Finland, Sweden, and Norway (presumably) to the current 12 members. The makeup of the European Commission – the governing body of the EU – and its challenges for the future are also explored.

Wednesday, February 15th, 0300 Release: *Insight* looks at the 1945 bombing of Dresden, known as the "Florence of the Elbe". British air marshal Harris was long seen as the villain in the brutal attack, but new evidence has emerged that vindicates Harris and places much of the blame for the air raid's brutality on the Allied leaders of the time.

Friday, March 6th, 0100 and 0500 North American Releases: *Come To Germany* visits the ITB, Berlin's annual tourism trade fair boasting exhibitors from more than 160 countries. The ITB is the world's leading service industry trade show, allowing visitors the unique opportunity to tour the world in a day without ever leaving the ground.

BBC World Service Highlights

News and Feature Programming

Saturdays, beginning February 4th, 0015: *The Essential Qur'an* is a six-part 15-minute series exploring the teachings of the Moslem holy book, which you'll normally see spelled *Koran*. Islam argues that the Qur'an cannot be translated except as an interpretation of the original language. Repeated Mondays 1930 and Tuesdays 0915.

Mondays, beginning February 6th, 0015: *Early Versions* is a five-part 15-minute series exploring the original manuscripts of great classics, tracking down the survival stories of some of the rare manuscripts in the British Library. First airing Sundays 0445; also repeated Wednesdays 0815.

Fridays, beginning February 17th, 1215: *Russia's Runaway Revolution* is a six-part 30-minute series investigating the 10 years following the ascension of Mikhail Gorbachev to power in the USSR. The first two parts deal with *perestroika* – restructuring – and *glasnost* – openness. It was striking for me to see those two words and remember the amazement when these formerly taboo subjects became regular news fodder. First airing Fridays at 0730; also repeated Fridays 1930.

Sundays, beginning February 19th, 0230: *About Face* is a four-part 30-minute series of two-on-one interviews. The first two installments feature ex-King Constantine of Greece, and James Wattana, the only non-British international snooker-player in the top ten world ranking. Sarah Dickinson and Phillip Bacon conduct the interviews. Also repeated Sundays 1615 and Mondays 0730.

Sundays beginning February 26th, 2330: **World Service Guide To The Information Superhighway** is a four-part 30 minute series introducing the Information Revolution, exploring practical applications of computer networks in business, education, and entertainment. The social consequences of computer networking are also considered. First airing Sundays 1401; also repeated Mondays 0630 and 1001.

Science And Technology

Monday, February 13th, 0101: **Lessons In Anatomy** is a single 45-minute program looking at the history of dissection from its earliest days to current university medical practice. The program also discusses a period in English history when the demand for cadavers outstripped supply. First airing Saturday 1901; also repeated Monday 1515.

Monday, February 27th, 0101: **Them And Us** is a single 45-minute program exploring how animals differ from us humans. Growing evidence suggests we humans might not be as unique as long imagined. Chimps can learn language skills approaching those of a two-year-old, and parrots can count. First airing Saturday 1901; also repeated Monday 1515.

Drama and the Arts

Sundays, 0101: **Play Of The Week** highlights include *Laughter In The Shadow Of The Trees* (February 19th), featuring Sir John Gielgud and Dame Wendy Hiller, two of Britain's greatest actors. *Laughter* deals with sickness, tolerance, and love as the protagonist slides rapidly into the private hell of senile dementia. *Brighton Beach Memoirs* (February 26th) features Valerie Harper, Joyce Van Patten, Peter Michael Goetz, Jonathan Silverman, and Max Casella. Van Patten and Goetz reprise their Broadway roles. This is a repeat from 1994, but is noteworthy in case you missed its first airing. **Play Of The Week** is repeated Sundays 1201 and 1901.

Fridays, beginning February 17th, 0230: **A History Of The Novel In Six Chapters** is a six-part 30-minute series examining the novel as a narrative literature form from its 17th

century roots in Britain through its propagation to France, Russia, Germany, the USA, and rest of the world. First airing Thursdays 1130; also repeated Thursdays 1715.

Music

Mondays, beginning February 20th, 0445: **Replace A Disc** returns for a six-part 15-minute run. Mike Read ferrets out records that listeners have lost or can no longer find, reads listeners' letters, plays the track, and then sends the listener a new copy of the record. Address your request to Mike Read, **Replace A Disc**, at the usual Bush House address, making sure to describe what makes that particular record special for you. First broadcast Sundays 2015; also repeated Mondays 0915.

Wednesdays, beginning March 1st: **What Is...?** is a five-part 10-minute series in which Peter Paul Nash delves into musical terms regularly cropping up in concert programs, on CD labels, or on radio programs. The first program answers the question "What Is A Quartet?" and examines the unique aspects of this musical structure and differentiates between a trio, quartet, and quintet. First broadcast Mondays 1635; also repeated Tuesdays 0750.

Winter SWL Festival

Elsewhere in the *Journal* I'm sure you'll find exhortations to join us at the Winter SWL Festival in Kulpsville, PA St. Patrick's Day weekend. The 'Fest will also have plenty to offer those who specialize in program listening. John Figliozzi and I will once again lead an "Easy Listening" forum, and Ian McFarland as banquet speaker will be a real treat. Plus, there's plenty of unstructured time to discuss the hobby in and around the Hospitality Suite. It's worth the effort if your schedule permits.

Until next month,

73 DE Richard



Shortwave Center

Hans Johnson
7529 Red Cravat Court
Columbia, MD 21046
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The Good Stuff, Revisited

by Chuck Rippel, WA4HHG
2341 Herring Ditch Road
Cornland, VA 23323-6419
Internet: chuck.rippel@exchange.com

What receiver weighs 85 lbs, has 26 tubes and could have been made by any one of 13 contractors including Capehart? If the answer was the Collins designed R390A, you would be right. There are few receivers available today for any price that can match the signal processing capabilities of a properly operating R390A. Indeed, finding one which is operating properly and in good condition is indeed an uncommon find of good fortune.

The R390A is a hollow-state (tubes) type receiver capable of receiving AM, CW and with an external adaptor, SSB signals. It operates over a continuous frequency range of .5 to 32 MHz in 33- 1 MHz steps. The receiver is a superhetrodyne design with multiple frequency conversion employing double conversion from 8 - 32 MHz and triple conversion from .5 - 8 MHz. A Permeability Tuned Oscillator, PTO allows linear tuning throughout the range. While the manufacturers specifications call for AM sensitivity in the range of 3 microvolts, well maintained and tuned receivers have been independently measured to be capable of .5 uv and dynamic range figures in the area of 137 db!

Originally designed for the military, the R390 series receivers were intended for intelligence work, signal intercept and snooping on enemy transmissions. A typical military receive site would have racks upon racks of R390A's connected to the best antennas Uncle Sam could afford. One example of this type of receive site was Sobi Camp on Okinawa. It consisted of a concrete blockhouse several stories deep and dozens of Rhombic antennas spaced a few de-

grees apart. This facility monitored Red Chinese military radio traffic through the 1950's and 60's. Indeed, during the 1950's and early 60's, the R390 and R390A were classified SE-CRET and were, simply, the finest communications receivers available anywhere and at any price.

It is rumored that the R390A is still found in some government agencies reserved for a single macabre use: its bullet-proof, vacuum tube design makes it invulnerable to the gigantic electromagnetic pulse produced by a nuclear blast. That same EMP pulse would destroy the transistors in the most modern receivers found today.

When purchasing an R390A, look for one that appears in good condition. A really pristine receiver will include the thin mu-metal top and bottom shields and if you're lucky, a cabinet. Play with the controls. Does the mechanical tuning and band changing feel tight or is it sloppy from years of use? Does it have both the carrier and audio level meters still installed? Although the meters in the R390A are radioactive and most will have had them removed, receivers with meters still installed occasionally turn up. Finally, powering up the receiver prior to purchase will tell all. Tune to the nearest 100KC point and select "cal" on the function control. The carrier meter should read between 20 and 40 db on all bands. If it passes the aforementioned "tests," you probably have a serviceable receiver.

Following is a table of the various subcontractors, contract numbers and quantities of the R390A series receivers made over the years. The contract number of a particular receiver can be found on the metal plate attached to the front panel of the receiver directly above the frequency readout.

Contract	Year	Manufacturer	Quantity
14214-PH-51	1955	Collins Radio	300-400
63-PH-54	1955	Motorola	10,000
375-PH-54	1955	Collins Radio	10,000
08719-PH-55	1956	Collins Radio	10,000
14-PH-56	1956	Motorola	10,000
14385-PH-58	1958	Motorola	10,000
42428-PC-58	1959	Stewart-Warner	10,000
20139-PC-60-A1-51	1960	Stewart-Warner	10,000
23137-PC-60	1960	Electronic Asst. Corp.	10,000
21852-PC-61	1961	Capehart Corp.	10,000
35064-PC-62	1962	Amelco	10,000
37856-PC-63	1963	Teledyne/Imperial	10,000
DA-36-039-SC-81547	1963	Stewart-Warner	10,000
FR-11-022-C-4-26418(E)	1966	Comm. Systems	10,000
FR-36-039-N-6-00189(E) or DAAB05-67-C-0155	1967	Electronic Asst. Corp.	10,000
(information from ER #24 & #27, Ray NODMS & Wally K5OP)			

You can expect to pay from \$200 to as much as \$500 for a typical R390 or R390A.

There are certainly some down sides to owning this fine receiver. To keep it in top condition, a proactive maintenance schedule should be followed. That is, at least bi-yearly, all the tubes should be tested and any weak ones replaced followed by a complete alignment. It doesn't hurt to also put some light lubricant on the cams driving the mechanical band change linkage. But by all means, resist the temptation to disassemble any of the mechanical linkage. Finally, a shot of non-lubricating tuner cleaner into any noisy controls ends what is approximately a two hour session of receiver maintenance. Additionally, if the receiver is a recent acquisition, check under the IF chassis and locate C-553, a .01 paper capacitor which serves to block the plate voltage of V-501. This low voltage capacitor will eventually leak or short outright cause the selected mechanical filter to burn open and be ruined. I replaced C-553 in my R390A with a .01 mfd 600V Sprague Orangedrop capacitor.

So is all this work worth it? You bet! In mid-October, I went all the way through my own EAC (1967) built R-390A in anticipation of the upcoming DX season. All the tubes were tested with an aging but still accurate Hickok tube tester. I culled out any tubes which were weak along with those which were good but marginal. The receiver was aligned using a state of art, commercial service monitor I brought home from work. Finally, I massaged the internal gain

control balancing raw gain againsts internal noise and squeezed out AM sensitivity numbers of at least .2 uv 10 db S/N+N on every band and a miraculous .16 uv on the all-important 60 mb. These are AM, not ECSS or SSB specifications. As a comparison, the \$4,000 Watkins Johnson boasts "only" 1.58 uv.

As a modification, the stock audio subchassis was replaced with an extra that I had modified by Bill Kleronomos, KD0HG at Longmont Audio Lab in Lyons, CO. Bill uses the existing audio chassis and builds a class "B," push-pull amplifier out of it. The amplifier has about 7 watts of power and a fraction of the distortion of the original "local audio" amplifier. The R-390A with Bill's amplifier produces the best audio I have ever heard from a shortwave receiver! Listening to a station with the bandwidth control to 8 kHz and playing through a Realistic Optimus Pro-7 speaker is nothing less than spectacular. The modified amplifier is a direct replacement requiring no additional modifications; it takes only about 3 minutes to install.

While the front panel is not very inviting and certainly lacks the character and ergonomics of the SP-600, the R390A is not at all difficult to use. There are 6 available bandwidths of .1, 1.0, 2.0, 4.0, 8.0 and 16 kHz. The .1 and 1.0 use crystal filters and the balance use the famed Collins mechanical filters. The direct frequency readout is accurate to 200 cycles and is displayed by a mechanical odometer type readout. Finally, the front panel sports 15 controls; the

operation of all being fairly intuitive and containing no surprises.

Sitting down in front of a "hot" R-390A, a new operator used only to solid state receivers will immediately notice the lack of annoying transistor background "hiss" such as that found in nearly all modern solid state equipment. Band scanning is best done with the 4kHz mechanical filter selected and the bfo off. Most DX'ers keep the BFO on which serves to alert them to a station in between standard 5 KC spacing. However, with the R390A's sensitivity combined with its sharp Collins mechanical filters, there is no need to use the BFO. As the operator tunes across the band, even stations in between standard spacing seem to pop in and out of the receiver. When you find that weak 90mb Indian, PNG or Indonesian, you will discover that the R390A culls useable audio out of seemingly nothing. During my own informal tests, I found that a signal which will produce only an SSB beat-note in an R-8 will yield faint music and voices in an R390A. Generally speaking, modern solid state receivers simply cannot compete with the R390A's combination of sensitivity, high dynamic range and low internal noise.

So now that you are excited about the radio, know what it can do and know what to look for, where can you find one? Certainly, poking about through hamfests are a primary source. Many hams rid themselves to these behemoths to make room for other equipment on a regular

basis. Typically, you will have better luck at a hamfest held near a military base or town than elsewhere. When browsing, keep in mind that the R390A is HEAVY and hefting one around is no easy task. With that in mind, be sure to look under as well as on top of the display tables. Many of my best "treasures" were found by stubbing a toe on something sitting on the ground at a hamfest.

There is one commercial source for the care, feeding and even purchase of the R390A. Miltronix in Toledo, Ohio specializes in the repair, cleaning and alignment of the receiver. They will also sell R390's and R390A's. Pricing is as follows: for the Collins manufactured units (oldest) remanufactured, complete, like new and calibrated, they charge \$750 + UPS and that price also applies to the EAC manufactured (newest) units. For other makes, the price is \$600 + UPS. For those interested, Miltronix' address is:

Miltronix
POB 3541
Toledo, OH 43608

I hope that the hobby can continue to use, maintain and enjoy these fine American Made receivers. While they are a bit old and used dated technology, it is my opinion that we as a hobby group should realize a certain responsibility to keep the older tube type radios alive and conspicuously on the bands.

The Story of Radio Station KGEI

by Adrian Peterson

On July 31, 1994, one of America's historic shortwave stations closed down and switched off. This was station KGEI in San Francisco, which had enjoyed an exotic existence for the past 55 years.

Radio KGEI, "La Voz de Amistad", "The Voice of Friendship", began its colorful career in association with the 1939 "Golden Gate International Exposition" which was held in conjunction with the "New York World's Fair". Its first call sign was an experimental designation, W6XBE. Interestingly, the initial location for

the original W6XBE was Treasure Island, near San Francisco.

The construction of the station as envisaged in 1937, called for two shortwave transmitters at 20 kW with two antennas. When this Californian shortwave station went on the air in 1939, programming was produced in the studios located at the Exposition and also at KGO, the GE MW station located in San Francisco. The earliest known logging of the new W6XBE was 0330 GMT on February 18, 1939 on the 19 meter band channel, 15230 khz, as noted by Ray Simpson in Sydney, Australia. The facility was officially inaugurated on June 10, 1939.

With the onset of the international emergency in 1939, all shortwave stations in the United States changed their callsigns from their experimental designation to a regularized sequence and W6XBE became KGEI, signifying, General Electric Industries.

During 1940, station KGEI was moved to a new location in a marshy area near Belmont, which is now known as Redwood City. Here, the antenna system was erected, an early version of a reversible curtain. One side of the antenna was beamed at 306 degrees for coverage of Asia and the other at 126 degrees for coverage of Latin America. The transmitter was upgraded during this move from 20 kW to 50 kW.

After Pearl Harbor, all shortwave stations in the United States were taken over by the Office of War Information, and on February 24, 1942, the 50 kW KGEI joined the radio network that became the Voice of America. In order to extend VOA coverage of Asia and the Pacific, an additional transmitter was installed in Belmont and this new 100 kW unit was inaugurated on July 1, 1944 as KGEX.

After the war was over, the two transmitters remained in service with the Voice of America for another eight years and in conjunction with a general consolidation of callsigns, KGEI & KEX were redesignated simply as KGEI. These units were released from VOA service in August 1953 when General Electric again assumed the programming which was directed mainly toward Latin America.

However, with no income derived from this shortwave service, the station was closed in December 1957 but it was re-activated by GE at

the end of 1958 with the interest of selling it. During the following year, the 100 kW transmitter, installed some 14 years earlier as KGEX was dismantled and shipped to the Voice of America installation on Okinawa where it was designated by VOA as OK15. Interestingly, nearly 20 years later again, in 1977, this 100 kW KGEX-OK15 was moved once more, this time to Saipan, where it became KFBS1 for the Far East Broadcasting Company. However, in a subsequent modernization program at KFBS Saipan, this historic 100 kW transmitter was dismantled and scrapped; it no longer exists.

The KGEI facility in California was bought by FEBC in 1960, when it began religious programming in Spanish beamed towards Latin America. An additional 250 kW transmitter was installed for Asian coverage and this was activated in May 1974. A new curtain antenna beamed to Asia over the North Pole was officially dedicated on March 6, 1983.

In another development, which turned out to be a real surprise to the international radio world, the now historic radio station KGEI was unceremoniously closed on Sunday July 31, 1994. Programming is over, the station is being dismantled, and the staff absorbed elsewhere.

It is likely that the original 50 kW transmitter from 1939 will go to the revived ELWA in Liberia, the 250 kW transmitter to FEBC in the Phillipines, and the newer antenna to Dr. Gene Scott's new shortwave station on the Caribbean island of Anguilla. Perhaps you may soon hear W6XBE as ELWA, and KGEI as FEBC Manila, and Anguilla on shortwave for the first time over the transferred antenna.

AWR A Brief History

courtesy of Richard "Quake" D'Angelo

The first Adventist radio broadcast aired in 1930 when HMS Richards began the "Voice of Prophecy" program on a local radio station in California. This pioneer work in radio encouraged the development of Adventist radio programs around the world.

Adventist World Radio was created in 1971 as an international broadcast service. AWR purchased block program time on Radio Trans-Europe in Portugal, and began its AWR-Europe service on October 1, 1971, with 10 languages for 12 hours a week.

AWR-Europe also broadcast up to two hours per week from Radio Mediterranean in Malta

between 1975 and 1982, and up to 35 hours per week from Radio Andorra from 1979 to 1981.

In 1976, programs broadcast in Southern Asia became part of AWR. The office and studios were located in Poona, India, and broadcast up to nine hours a week of English and Indian languages from the Sri Lanka Broadcast Corporation. In 1987, the programs were transferred to AWR-Asia in Guam, and in 1988 the Sri Lanka broadcasts were discontinued.

AWR-Pan America began broadcasting on August 17, 1979, from Guatemala. Another station, Radio Lira, began operating in Costa Rica on October 22, 1986. In 1988, the Costa Rica station replaced Guatemala as the official AWR-Latin America facility. In 1989, the station installed two ELCO transmitters, constructed in Costa Rica. The 5 kilowatt transmitter became operational in June 1989; the 40 kilowatt transmitter began operation on August 27, 1989, on a Yagi rotatable antenna.

On October 31, 1983, AWR-Africa began broadcasting with 250 kilowatts on Africa Number One in Gabon. AWR-Africa stopped using this site in 1994 and now uses facilities in the CIS instead.

The AWR station in Forli, Italy, began broadcasts on February 2, 1985. Currently the station airs 32 hours of programs a week in five languages from Forli. A 10 kilowatt Collins transmitter is used with a Hygain log periodic 1002 antenna.

AWR-Asia on the Pacific island of Guam inaugurated regular broadcasts on March 6, 1987, with one transmitter. In November 1987 the station began a full broadcast schedule utilizing two 100 kilowatt Thomson CSF transmitters with four TCI curtain antennas. The antennas are arranged in two arrays: one for southern Asia and the other for northern Asia. AWR-Asia currently broadcasts 235 hours per week in 19 languages. Using the call letters KSDA, AWR-Asia purchased a third 100 kilowatt transmitter this year.

In March 1992, AWR began 22-hour a day broadcasts on a facility in Novosibirsk, Russia, in nine languages, and in May 1992 began broadcasting 10 hours daily in eight languages to eastern and western Europe from facilities in Moscow, Ekaterinburg and Samara, Russia. These programs are provided by AWR-Asia and AWR-Europe. The facilities in Russia are leased by AWR-Russia, which operates under the control of the Voice of Hope Media Center, Tula, Russia.

With the beginning of those broadcasts, AWR discontinued its service from the Radio Trans-Europe station in Portugal, ending nearly 21 years of continuous broadcasting from that site.

Also a 1992, AWR-Latin America moved its main transmitter site to new property near Cahuita, Costa Rica, where two 20 kilowatt and three 50 kilowatt transmitters broadcast in four languages. Coverage area is now from the Canadian United States border to Rio de Janeiro, Brazil. Broadcasts from Guatemala and Costa Rica now total 379 hours each week.

On January 1, 1994, AWR began a 24-hour a day broadcast schedule in nine languages from two 250 kilowatt transmitters owned by Radio Slovakia, Rimavska Sobota, the Republic of Slovakia. These programs are beamed towards the Middle East, Central and West Africa and India.

All together, the AWR stations currently broadcast more than 1,000 hours each week in 33 languages.

As a result of the AWR broadcasts, thousands of people around the world have accepted Jesus as their Saviour and have been baptized.

Adventist World Radio is financed by contributions from Seventh-day Adventist Church members and other supporters on every continent. Thus, AWR continues as a faith project that reaches out to people around the world.

Radio Oriente of Yurimaguas, Peru

by Pedro Capo Moragues and translated by Julian Anderson where it appeared in Pampas Dxing

Radio Oriente S.A. started operations on March 3, 1966, being Plaza de Armas No. 17 c/Comercio No 107 our legal address, our transmitting plant was placed on No. 4 km on the Yurimaguas-Tarapoto highway. Our first broadcast was performed on MW, 1420 khz, our call then being OAX-87 (OAX-8z now, ED).

Radio Oriente's creation was performed thanks to the initiative of two brothers: Jorge and Alberto Chu, who created this first society, with a clear commercial format, but also including some participation from the different social classes of Yurimaguas City.

In 1977, several businessmen made investments on Radio Oriente, also including to the Vicariato Apostolico (Catholic Church) who became owner of the majority of the commercial stock, being since then a S.C.R.L. (Limited Responsibility Commercial Society). During 1978 our station was inactive as our transmitter plant was re-located on the Avenida de las Americas, and studios were also re-located at Calle Sargetno Lores No. 207, in downtown Yurimaguas; but this place proved to be inconvenient so we moved again to Calle Progreso No. 112, which has remained as our definitive address until nowadays. During 27 years, a lot of people have contributed to Radio Oriente's development, from these we may point-out to Mr Andy Chu as Creative Director, and Carlos Rojas Garcia and Humberto Sanchez Guerra as two of our most famous speakers.

Since 1989, Yurimaguas' Vicariato Apostolico owns the whole of the station, being the station's reorganizer Juan Antonio Lopez Manzanares, a Catholic Missionary.

He gave to Radio Oriente the format and aspect still kept today; the whole of the station's staff was replaced in that year as well. Since 1991, and as responsible of the technical aspects another Catholic Missionary arrives to the station's staff, being him Pedro Capo Moragues, who cordially signs this letter.

Ours is a Cultural and Educational station, with an effective coverage area of 45,000 sq. km.; which is the Vicariato's total area. Our transmitter is a CCA Electronics brand, AM 5000F/HF model, and 5 kW of power, which broadcasts on a frequency of 6190 khz. As a future plan, we shall be purchasing before the end of the year, a transmitter of the same brand and power, so as to broadcast on 3350 khz, which is another frequency that has been legally assigned to us. Our aim is to cover certain 'shadow areas' that can't be effectively reached with our 49 meter band transmitter.

Our shortwave antennas are placed in a neighboring field, close to our studios. They are two 24 meter-high simple dipoles, pointed north-south.

Everyday life in Yurimaguas City is quite different than other cities and town in the jungle area; that's why we have different programming on FM, on this band we use 250 watt OMB brand transmitter, we are, at present, the only FM station in Yurimaguas (other illegal ones were closed last April during police raids. Several MW stations were also closed.)

We also have a TV frequency, channel 8, but we don't plan to start transmissions until 1995 as our first priority is to purchase the additional transmitter for 90 meters.

We have three fully-mounted studios; one for SW/MW, another for FM, and the third is for general productions; we prepare programs which are sent to tiny Catholic stations in the interior.

Any report coming from listeners or Dxers living abroad will be warmly welcomed and fully acknowledged with a detailed QSL-letter. So, write whenever you want to do so.

Reports should be addressed to: Radio Oriente, Attn. Sr. Gerente Tecnico, Pedro Capo Moragues, Calle Progreso 112, Yurimaguas, Peru. Together with our QSL-letter, we also may include our updated programming schedule, on request. Unfortunately, we don't have pennants available right now, but our General Director plans to prepare some new ones for our next anniversary.

Radio Nacional del Ecuador

courtesy of ANDEX magazine

This cultural service of the people of Ecuador began on May 24, 1961, in the capital city of Quito. The studios of Radio Nacional are located in downtown Quito. Transmitters are located on a hill several hundred feet above the city which provides good coverage of Quito. The transmitter site bears the name, "Lomas de Puengasi." Telephone lines carry the program from the studios to the transmitters.

The present studio arrangements includes a large control room situated between the two studios, each about 15 by 20 feet in size.

An RCA BC3B console handles both studios for normal operation. Other facilities include 3 Reko-Kut turntables, 5 Ampex 601 tape recorders and several RCA and Shure microphones.

The transmitter installation consists of two transmitters, each with a power output of 10 kilowatts. These are similar units manufactured by Continental Electronics. One operates on 640 khz using a 300 foot non-directional tower. The other provides shortwave service on a fre-

quency of 4940 (inactive ED but the station can be heard via HCJB at 1900 on 15115) using a dipole antenna directional to the north and south.

Programs on Radio Nacional are entirely cultural in nature and in Spanish. Very complete coverage of government activities and events of public interest is provided. Normally, the same programs are carried simultaneously on both bands. 640 khz is used daily from 1100-0400 for local service. Shortwave operation is limited to two shorter periods, 1100 to 1500 and 2300 to 0400. Shortwave hours are frequently increased if a program of special interest is being released.

HCXY1 and HCXZ1 are the call letters assigned to Radio Nacional. Like many stations, however, these are seldom used for identification. A typical announcement is as follows—"En transmission, Radio Nacional de Ecuador (In transmission, the National Radio of Ecuador.) This is followed by a mention of the frequencies in use and the location, Quito.

Reception reports should be sent to HCJB at Casilla 17-17-691, Quito, Ecuador. 

Net Notes

The World Radio Network, known for their relays of international broadcasts from a variety of stations in English over satellites in Europe and North America, have, since the middle of January, been relaying their North American feed live over the MBONE on the Internet 24 hours a day. They are using the services of Carl Malamud's Internet Multicasting Service, who have also worked with the CBC, Radio Sweden, and Monitor Radio on their net efforts. Currently, a high-powered UNIX workstation and a fast net connection are required to take advantage of the service. For more information on WRN, see their WWW home page at <http://town.hall.org/radio/wrn.html>, or send e-mail to wrn@cityscape.co.uk.

Radio Prague now offers e-mail subscriptions to transcripts of their daily newscasts in English, Czech, Spanish, and German. To receive the daily transcripts, send mail to cr@radio.anet.cz with a Subject of "Subscribe" and the language in which you wish to receive the news summary.

The NOAA Space Environment Lab in Boulder, the people responsible for the solar indices broadcast at 18 minutes past each hour on WWV, now have a WWW site at <http://www.sel.bldrdoc.gov/>. Included are graphs of lots of solar data, including the K-index in 3-hour intervals for the past 3 days, and solar forecasts for the next three days, including current and predicted solar flux and A-index numbers. There is also a great deal of information available from their gopher server at <gopher://gopher.sel.noaa.gov/>. 

Listener's Library

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Internet: TJAREY@AOL.COM

Lets see now . . . Sony 2010, check. Pro 43 scanner, check. Optoelectronics Interceptor, check. Scanner Scum T-shirt, check. Leatherman tool, check. Fake Prudential Insurance Agent credentials, check. Internet connect, check. Marvin the Martian hat, check. Yep, here at Uncle Skip's "World Watch One", I'm getting all packed for my annual trek to Kulpsville. I'm looking forward to seeing everybody again. Meanwhile, in amongst the packing, here are a few things to check out. First we get a review from Jerry Berg, a member of our esteemed Executive Council.

TRANSMITTER DOCUMENTATION PROJECT W-94

by *Ludo Maes*

Reviewed by *Jerry Berg*

52 pages

\$6 (\$8 Canadian), incl. airmail postage

Available from: *Ludo Maes*

P.O. Box 1 310 Rijkevorsel, Belgium

Separate transmitter sites count as separate stations under the NASWA station counting rules. If you want to maximize your site count, or just have the information on the world's shortwave transmitter sites available in a convenient format, you should find TDP SW-94 a worthwhile publication.

In the main body of the booklet the author presents a country-by-country look at shortwave broadcasting transmitter sites, showing for each country the name of the station, the site or sites, the geographic coordinates of the site, the number of xmtrs at the site, and, for each xmtr, the power, manufacturer, model number and year of installation, and whether the xmtr is still in service.

The information is presented in a useful table format. In addition to the country listings, the booklet contains a list of the names and locations of over 50 transmitter manufacturers, plus tables showing, by country, all the 500 kw. transmitters in use (245!), the 250-350 kwers (330), and the 100-200 kwers (558). There is also a table showing, by country, the total number of xmtrs and total power. If you turned everything on at

once, you would produce 285,235 kw. of RF! No wonder your rx is overloading.

The booklet has some limitations. It covers mainly transmitters of 50 kw. or more, so if you are looking for a list of all Bolivian xmtr sites, you won't find it here. There are also some gaps in information, that is, not every piece of data is available for every country. Although most of the listings appear to be fairly complete, those for some countries, like Indonesia and Russia, are not. On the other hand, it's nice to be able to look up countries like Australia, Nigeria and Portugal and see a presentation of the sites you might be able to hear. I am interested in radio history, and I find the information on xmtr installation dates, which is quite complete, particularly interesting.

The booklet has a few minor quirks. The author lists some radio countries under their "parent" countries (e.g. Ascension and Hong Kong under Great Britain, Guam and Palau under United States); and the page breaks in some of the tables appear at odd places. The author has also included blank tables for some countries that had SW xmtr sites in the past but do not at present, or that now have SW sites for which no data is available. Presumably this is for adding more information later. The author intends to publish the booklet, with updated information, annually.

Ludo Maes says that the idea to publish a listing like this was born 10 years ago. It is obvious that a lot of work has gone into the project. It presents information in a format that is useful to SWLs, as well as some information, particularly historical data and equipment manufacturer, that is not easily available elsewhere. If the author does continue to search out data and update the list, TDP could eventually become a document of major significance. It is certainly off to a good start. It is not a publication you are going to use every day, but it's definitely a "nice to have" item and, at \$6, easy on the pocketbook. (I sent \$6 in cash and the booklet arrived in umaround time.)

Thanks Jerry. Incidentally folks, Jerry sent this review to Old Uncle Skip via the "Information

Superhighway." Things sure have come a long way since I used to bang out The Hollowstate Newsletter and the Naswa Technical Topics on my old Smith-Corona manual. If you folks want to hop on board with your own contributions, I can take things E-mail and snail mail with equal aplomb.

At a recent Hamfest, I located a little piece of my past that I couldn't pass up. I ran across a perfectly constructed and totally unmodified Heathkit HW-8. I had a lot of fun with one of these flea powered rigs back in Grad School. The price was right so I once again listened to my long suffering spouse's "This is the last radio" speech. Trouble was this rig came with no manual or schematics (essentials when dealing with Heathkit gear). To solve this dilemma I turned to an outfit that serves to help folks who love "classic" equipment found in flea markets sans documentation.

W7FG VINTAGE MANUALS

*3300 Wayside Drive
Burtlesville, Oklahoma 74006
(913)-333-7893
(800)-807-6146
Catalog price 50 cents
refundable with first purchase*

W7FG is non other then Extra Class ham Gary Gompf. Gary has taken it upon himself to become the repository of manuals for all manner of "orphaned" gear of interest to the radio hobbyist. A quick call to his "800" number had my HW-8 manual to me in no time flat. All manuals are mailed out within 24 hours via first class mail.

Even if you're not a ham. Gary's catalog deserves a look. Gary has a complete line of manuals for Collins, Drake, Hammurand, Hallicrafters, National and various military surplus receivers. Gary also stocks both operation and maintenance manuals for the more modern manufacturers. His Heathkit collection is incredible. Heath manuals can be purchased "complete", with all construction details, or "partial" containing only operations sections. Gary also stocks manuals for Knight Kit, Eico and Barker & Williamson gear. I know more then a few folks out there in NASWA land melted their first solder over such equipment. Folks who make a study of Pirate Radio techniques will want to take a look at Gary's Johnson, Viking and Heathkit DX-100 manuals. I was surprised to find manuals for older VHF scanners listed too. I have a couple of these floating around my junk box that deserve restoration.

Manuals are COMB bound with heavy plastic covers. Prices are quite reasonable. Gary is also willing to trade manuals for others of like size and demand not currently in his catalog in an effort to increase availability. Give W7FG Vintage Manuals a look. Their catalog appears to have something of interest to just about any radio hobbyist.

SHORTWAVE SIDELINES

Many radio hobbyists like to listen DC to Daylight. If your interests may someday take you above 30 MHz, you may want to take a look at the latest offering from my Monitoring Times colleague Bob Kay.

TUNING INTO RF SCANNING FROM POLICE TO SATELLITE BANDS

By Bob Kay

150 Pages

\$14.95

Tub Books

Blue Ridge Summit, PA 17294

ISBN 0-07-033964-3

Bob Kay is perhaps best known for his long running SCANNING REPORT column in Monitoring Times magazine. Bob has taken his years of experience both as a scannist and as a radio hobby journalist and combined them into an excellent single resource text for folks who are interested in scanning. What sets Bob's book apart from the crowd is his devotion to topics that are often glossed over or grouped into a single chapter in other texts. For instance, Bob devotes an entire chapter to the topic of coaxial cable and connectors. Antenna feedline is perhaps the weakest link in a good scanning setup. Bob gives the subject the attention it deserves. He gives the same attention to other topics such as scanning laws and using computers to aid in listening. The book is well illustrated and packed with information. I would have liked to have seen a bit more information on satellite monitoring. However, the information given on this subject is enough to get a beginner curious. Bob does devote a chapter to finding other resources for further study and experience. If you have enjoyed Bob's column over the years, or if you are looking to spark someone's interest in scanning, Give this book a look.

I hope to see everyone at Kulpville.

Walking Through Your Receiver (Part 5—The IF Amplifier)

We continue our journey through the modern super heterodyne receiver. In our four earlier articles we followed our signal from the input connector through the mixer. We saw how the signal is converted to a new frequency and applied to the input of an Intermediate Frequency (IF) amplifier. We learned that some high gain receivers have more than one IF frequency to maximize image rejection and provide stable gain.

In the WJ HF-1000 the Digital Signal Processor (DSP) determines the "selectivity" of the receiver. Selectivity is defined as the ability of a receiver to discriminate between signals that are close in frequency.

Let's take a detour from our journey through the HF-1000 to review the technology that engineers used before DSP to obtain needed selectivity. Understanding that old technology will help you to realize how important the

benefits of DSP can be to the receiver designer and the receiver user.

Originally, selective filter circuits in IF amplifiers consisted of magnetically coupled coils and variable capacitors. These elements formed a resonant circuit at the IF frequency. The bandwidth of the filter is determined by the "Q" of the circuit and the amount of magnetic coupling between the coils. The "Q" is determined by such factors as wire resistance in the coil and the proximity of shielding material to the coil. The bandwidth (BW) of a particular tuned circuit is related to the "Q" by the following simple formula:

$$BW = \text{Frequency} / Q$$

Here BW is the frequency spread between the 3 dB down points on the resonant response curve. Frequency and BW have the same units in this formula. A typical resonant response curve is shown in Figure 5.

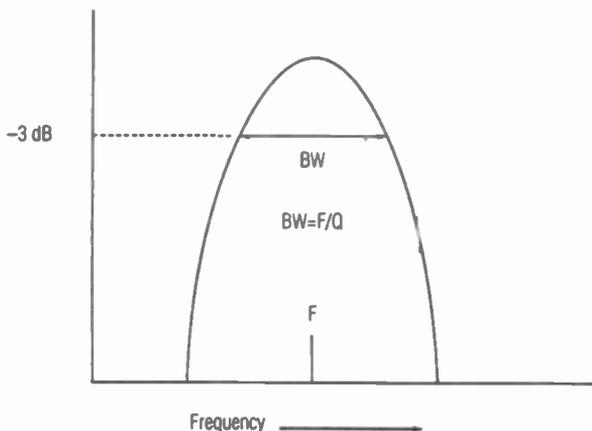


Figure 5. The 3 dB bandwidth (BW) of a resonant circuit is directly proportional to the center frequency (F) and inversely proportional to the efficiency (Q) of the components making up the resonant circuit

Let's see how designers used this formula to design early superhet radios. A well-designed coil might yield a Q of 50. Thus a resonant coil and capacitor at 455 kHz would have a 3 dB down bandwidth of 9 kHz according to the above formula. ($455/50=9.1$) This is approximately the bandwidth necessary for an AM broadcast radio. If the IF had been chosen to be 4.55 MHz, the bandwidth would have been 90 kHz for the same Q. That is much too wide for an AM broadcast radio. If an IF frequency of 45 kHz had been chosen, the bandwidth would have been .9 kHz which is much too narrow for an AM broadcast radio.

Designers chose 455 kHz as a compromise standard IF frequency. This choice offered selectivity to match the 10 kHz channel bandwidth of the AM broadcast band. Standardization allowed the production of IF filter parts designed for this frequency which could be used by any radio manufacturer. That proliferation of standardized parts for this frequency continues to today.

About the same time as the invention of the superhet radio, experimenters discovered that quartz crystals could be made to vibrate at frequencies used in IF amplifiers. The Q of such crystals was much better than the coil and capacitor combination previously used. The bandwidth at any given IF center frequency was, therefore, much narrower as predicted by the previous formula. Receiver designers included such filters for reception of CW signals. These signals typically have bandwidths of a few hundred Hz. Narrowing the receiver bandwidth to match the signal bandwidth increased the receiver effective sensitivity while also increasing the immunity to unwanted signals on adjacent frequencies.

Later on, designers found ways to combine crystals operating at slightly different frequencies into networks that had both relatively flat response near the center and steep roll-off of the skirts outside the desired range. This design improved fidelity by passing unattenuated the desired sidebands while still providing good rejection of unwanted adjacent channel signals.

In the early 1950's the Collins Radio Company produced a series of commercial and amateur receivers using mechanical filters. They found that certain materials would change shape when excited by a magnetic field. They called the effect "magnetostriction". Filter materials could be designed that only reacted to excitation of a certain frequency range. The result was the flattest desired response and the steepest skirts that had been achieved to that time.

Later ceramic crystal filter designs achieved performance approaching the mechanical filter at much less cost.

Typical amplitude response of a modern filter is shown in Figure 6. When the bandwidth at the -6 dB points is compared to the bandwidth at the -60 dB points, a figure of merit that describes how fast the filter skirts roll off. This figure of merit is called the "shape factor". The shape factor (SF) is calculated according to the following formula:

$$SF = BW (-60 \text{ dB}) / BW (-6 \text{ dB})$$

An ideal filter would have vertical sides with the same bandwidth at -60 dB as at -6 dB. The ideal shape factor should be 1. The closer a receiver selectivity shape factor is to 1, the better the ability to reject adjacent channel signals.

Remember that any real receiver has a limited ability to reject adjacent channel signals. Engineers call this specification "ultimate rejection". It determines how strong an

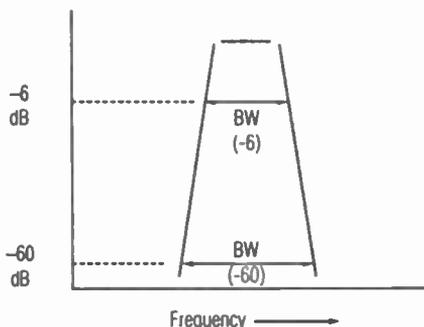


Figure 6. The shape factor of an IF filter shows the relative bandwidth at the -6 and -60 dB points. A shape factor of 1 is ideal.

adjacent channel signal can be without causing interference to the desired signal. Ultimate rejection is around 60 dB on run-of-the-mill radios. The WJ HF-1000 has a typical ultimate rejection in excess of 90 dB.

An important consequence of the use of such filters is that a separate filter is required for each bandwidth. You will find receivers with a 250 Hz bandwidth filter for CW reception, a 2.5 kHz filter for SSB and narrow AM, and a 6 kHz filter for normal easy listening on the SW bands. If the receiver covers the broadcast band, it may have a wide filter to allow high fidelity reception of strong stations. Thus a receiver could have 3 or 4 selectable filters. My Collins R390-A has 6 mechanical filters with bandwidths from 100 Hz to 16 kHz.

A crystal filter and its switching circuitry can add a hundred dollars to the price of a receiver at retail. The WJ HF-1000 offers 58 selectable filter bandwidths through the use of DSP techniques. This flexibility would be prohibitively expensive if implemented using normal filters. (Some will argue that the HF-1000 is prohibitively expensive anyway, but that is another article.)

Amplitude response is only part of the story. Modern digital transmission techniques require that all sidebands proceed through the IF filters at the same rate. Otherwise the signal components near the edge of the passband can arrive at the output slightly delayed behind the components at the center of the passband. The effect can be seen on an oscilloscope as waveform distortion. Engineers have a name for this phenomenon. It is called "Group Delay". It is normally specified in nanoseconds, microseconds, or milliseconds depending on how bad it is.

Experiments have been run by the high fidelity component industry to measure the impact of group delay on perceived audio fidelity. One speaker manufacturer produced a speaker with the tweeter, midrange, and woofer set to preserve the phase relationship between the high and low audio frequencies. They found apparent improvements in the audio picked up by a test microphone in an

anechoic chamber. The manufacturer ran some impressive print advertisements showing how the shape of complex waveforms was preserved by their "phase linear" speakers. But controlled subjective listening tests failed to show any perceived improvement to the human ear. The mind apparently ignores the phase shift. Alas, even discriminating audiophiles were unable to detect the improvement with their ears.

The bottom line for SWL's is that group delay is an irrelevant specification for reception of AM analog audio programming. But if you are into monitoring any of the many digital modes, or want low distortion processing of FM signals, look for a receiver with the flattest possible group delay characteristic. Most SWL receivers on the market do not specify this characteristic but the HF-1000 specifies excellent group delay performance. Figure 7 shows the data.

Next time we will return to the HF-1000 schematic to follow the signal from the output of the first mixer to the point where it enters the DSP function. We'll show how an ordinary radio detects the signal and what the HF-1000 does instead. Until next time, stay tuned.

SA/

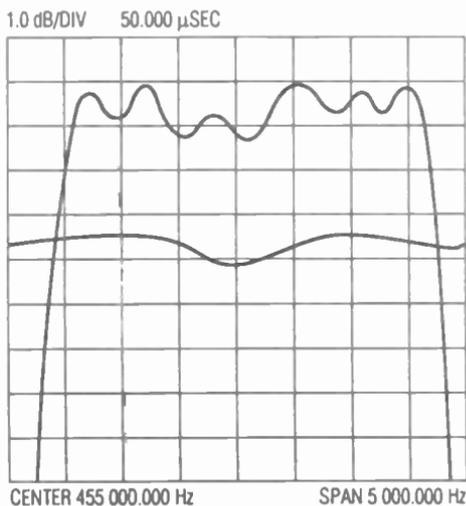


Figure 7. HF-1000 Typical SSB IF filter group delay & passband ripple shows the benefit of DSP technology.

Equipment Review

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GEnie A.JOHNSON64

I'M BAAAAACK!!!

Well, sort of. As a few of you know, I recently made a major life transition. I got out of the U.S. Navy and moved from the Washington D.C. area to Reno, Nevada. Needless to say, there were some stresses that temporarily curtailed my involvement in the radio hobby. The first of these was just packing all the electronic equipment that had accumulated in the basement over the years. I didn't trust the movers, so I thought about renting a truck and moving the stuff myself, however, my wife convinced me that this was not a very practical idea. I settled for packing the stuff myself, except that I ran out of time and bubble wrap, so I ended up letting the moving company box up all the big and heavy boat anchors, after notifying them that special packing and handling was required. Fortunately, everything survived, despite the fact that our shipment had to be transferred from a truck to storage in a warehouse twice.

DELAYS AND FRUSTATIONS

We decided to do some remodeling on the house we had bought before actually having our property moved in, so it was late September before all our possessions were delivered. Then we had to unpack all those boxes and I had to do operational checks on all the radios. Somehow, setting up the shack was lowest on the priority list during all this time. It's interesting how difficult it is to reconstruct something in a few weeks that had gradually evolved over a period of eight years. In fact, the shack is really still incomplete, as the basement room designated for that purpose has been perfect for storing all the boxes of books that are awaiting the completion of the built-in bookcases. I did manage to get the ground rods driven, but winter came before I could get an outside antenna put up. The biggest damper to my pursuit of the hobby has been an incredible level of electromagnetic interference at my location.

There is an approximately 40 kHz wide band of noise that repeats across the HF spectrum every 200 kHz, as well as broadband hash across the 2 to 8 MHz region in the evening hours. Of course, my only antenna is a ten foot piece of wire strung around the perimeter of my basement window and although the ground rods are in place, I haven't figured out how best to run the ground lead through the window yet. I really understand the frustration faced by those who have to do their SW listening from an apartment. The local electric utility company has sent someone out to check the problem, but there have been no solutions yet. The good part of the move is that I was able to build a shop/lab in the basement which has enough room for a well-lighted workbench and shelves for the test equipment. I picked up several Hallicrafters receivers to rebuild (one of these days - things are still pretty unorganized in there, plus there was no easy way to get heat in!).

The other things that have taken some adjusting to is the three hour time difference from the East Coast as well as the difference in signals that are hearable on the West Coast. I had developed an unconscious listening schedule as well as having "benchmark" signals of varying strengths by which to test receivers. Now, I'm having to relearn all of that. I had planned to restart my column with a review of the MFJ-784 DSP audio filter, which I thought would be very appropriate given my current interference problem. It appears to be a very flexible unit, as it allows the operator to tune the filter bandwidths over a wide range as well as set the level of noise reduction. Unfortunately, the unit I received for review didn't work properly, so I'm awaiting a replacement. I hope to have a review of the unit next month.

STALKING THE VILLAIN

So, instead I'm going to talk a little bit about

tracking down interference and about items that have appeared on the market in my absence. Even if you are not troubled by severe interference, it can still be an enlightening exercise to make a few checks around the house. One thing to do is to take a portable radio around the house and hold it close to various electronic devices while turning those devices on and off. It was amazing to me how much hash is emitted by VCRs, even when turned off (must be the display, I guess) as well as the usual culprits such as TV's, computers and light dimmers. It is probably best to use an analog receiver for these tests - I was very surprised to find that my Lowe HF-150 put out 10 kHz wide spurs every 500 kHz from about 23 to 28 MHz! The other thing to do is to take your portable (on batteries) and go to the circuit breaker box. Tuning the radio to a quiet spot on the MW band is best here. Put the radio near the wiring and turn off the breakers in sequence. You will probably find that the static drops when certain circuits are de-energized. Once such circuits are identified, take the radio to those rooms and unplug any electric devices that are on the identified electric circuit. I found that our electric toothbrush, which has a rechargeable battery that is charged by an inductive coil in the base, put out some hash. You may want to consider unplugging such items in the future when you are engaged in critical DX'ing sessions. Unfortunately, the severe interference I am experiencing did not disappear when I flipped the main breaker, indicating that it is coming from outside the house. In those cases, you get to walk around the neighborhood with your radio trying to find the source. Mine seems to be coming from the distribution transformer across the street. Remember that the best way to reduce or eliminate electromagnetic interference originating from within the house is to use an external antenna as far from the house and power lines as possible and use shielded cable to connect the antenna to the radio. Also, try to establish a good earth ground and connect the chassis of all equipment to it.

THE SHORTWAVE MARKETPLACE: 1995

As to what's new on the SW market, there's a new edition of the World Radio-TV Handbook Buyer's Guide for 1995. I have not seen it yet, but the previous edition (1993) was very comprehensive. As to radios themselves, there

is the Sony ICF-7600G, which adds selectable sideband synchronous detection to the venerable ICF-7600 at a street price of \$200. This puts it head-to-head with the Grundig Yacht Boy 400. In desk top receivers, the Lowe HF-225 Europa has become available in the U.S. through several dealers. This is a HF-225 which has narrower filter bandwidths and component changes in the front end to improve the behavior of the receiver in regards to strong signal handling. I definitely want to get one of these to review. Speaking of Lowe, I have heard that their chief engineer, John Thorpe, and John Wilson, a chief company officer, have left the firm. Who knows what this portends for the future of their HF receivers. I also saw on a computer BBS that that a rack that mates the HF-150, the PR-150 preselector and a new audio amp/speaker/S-meter unit is available - I haven't seen a price listed yet. The AOR 3030 receiver appears to finally be available, after some design modifications. I got to use one of these very briefly at EEB before leaving D.C. and all I can say is that it is definitely compact. The knobs were almost too small for my tastes. The Watkins-Johnson HF-1000 continues to evolve. Anyone who is contemplating the purchase of this receiver should read the very comprehensive review in the December, 1994 issue of QST. The receiver gets panned for two major performance shortcomings - a long AGC attack time which leads to a "popping" noise at the onset of strong signals and contamination of the audio output by digital noise, which leads to listener fatigue. Hopefully, these shortcomings can be overcome, because the HF-1000 got high marks otherwise. The reviewer's bottom line that the HF-1000 was better suited for broadcast reception rather than all-mode (including digital) communications reception. I have not heard of any new new products from the major Japanese manufacturers, although some of their products, such as the ICOM R-71A and the Kenwood R-5000 are getting a bit long in the tooth.

Well, that's all for now. My new address is 2490 Sharon Way, Reno, NV 89509 and my Compuserve and Genie account numbers are unchanged. If you're a SW enthusiast in the northern Nevada area, I'd really enjoy hearing from you. I hope to have a real product review for you next time.

NASWA Awards

Dr. Harold Cones
 2 Whits Court
 Newport News, VA 23606
 Compuserve 71570,411



Sometimes things go right and sometimes they don't. My last deadline for this column came (and went) and I didn't have a clue until the December *Journal* showed up. My apologies to one and all and I will try to not let it happen again. I guess that is that short-term memory problem that crops up in the older folks.

I did pass my short-term memory test, however. There were three of us taking the test. The doctor asked the first guy, "What is 3 X 3?" He replied, "158." The doctor then asked the second guy, "What is 3 X 3?" and he replied, "Drake R8." Then he asked me, "What is 3 X 3?" and when I replied "9," he was overjoyed. "How did you get that answer?", he asked. "Simple," I responded, "I just subtracted Drake R8 from 158."

And speaking of overjoyed, things are pretty exciting here with the Zenith book now out, bringing to a climax nearly three years of research and writing. John and I have received a lot of support from the vintage radio and NASWA crowd and we thank you for the compliments. Autographed copies will be available at the Fest.

I hope you plan to enhance your country totals by taking part in the North American DX Championships this year. The listening period begins Friday, 10 March at 1900 EST (0000 UTC) and ends Sunday, 12 March at 2359 EST (0459 UTC). Look for details in this month's *Journal*--it should be a great time. This year's NADXC is timed to mark the end of Shortwave Radio Week (which runs from 6-12 March).

The awards business continues to plod along--the folks below represent four months of award giving. There are some jim-dandies here--Adie's "Senior Peruvian DXer," Marina's "Round-the Clock Continental DXer" and Stephen's "Master China DXer"--you too can have a jim-dandy for a little effort and an application. So strike up the band, here come the latest in the 20 year parade of NASAWans to hang the coveted greens on their bathroom and shack walls (there were actually a few who hung them in their living room, but they aren't with us any longer):

Bill Bergadano.....	European Senior Dixer Ecclesiastic DXer
John Brown	Senior Ecclesiastic DXer
Adie Durden.....	Senior Peruvian DXer
Jill Dybka	Ecclesiastic DXer World Wide DXer European Senior DXer All American DXer
Edward Lewis.....	World Wide DXer Ecclesiastic DXer All American DXer
John MacDonald	International DXer European DXer World Wide DXer
Mary Jo Ondrechen	International DX Listener All Germany DXer All American DXer Ecclesiastic DXer Senior Ecclesiastic DXer European Senior DXer European Continental DXpert World Wide DXer

Marina Pappas	World Wide DXer
	Round-the-Clock Continental DXer
Sheryl Paszkiewicz	60 station endorsement: Ecclesiastic
Wallace Peters	World Wide DXer
	Antarctic DXer
	European Senior DXer
	Ecclesiastic DXer
	International DX Listener
Stephen Pitts	Master China DXer
Harry Smith	50 station endorsement: Ecclesiastic
Rui Trindade	European Senior DXer

FEATURED AWARD OF THE MONTH

Each February, rather than feature an award, I feature the Winter SWL Fest--this year The Eighth (!) Annual Winter SWL Festival. As the years pass, the Fest turns out to be THE event of the year. Now in its eighth year, the Fest is different each year, yet in many respects, the same. There are the same folks you had a chance to meet last year, a new group to meet this year, the great forums, the hospitality room, the displays, the radios, the banquet, Father John's blessing, the prizes--its all there, presented in an atmosphere that encourages a laid-back, relaxed opportunity to enjoy radio. And although the Fest is billed as a SWL fest, it also has medium wavers, long wavers, scanners, TV DXers, hams and broadcasters. I have just finished the program so will share it with you.

The Fest starts Friday, 17 March, with registration at 0730 (although many folks arrive on Thursday to open the Hospitality Room). As last year, the first forum begins at 0900 and features Richard Cuff and John Figliozzi discussing the listening aspect of the hobby in "Easy Listening." At 1030, "Unlicensed Broadcast DXing: Who is This Guy Pancho, Anyway," has George Zeller discussing the year in pirate radio activity. After lunch (at 1300), Gerry Dexter and David Schmidt discuss "The Gentle Art of QSLing." Harold Sellers will lead Forum 4 at 1430, "Educating the Cheap DXer: A Look at Where to Get Information For Nothing or Inexpensively." At 1600, Rich D'Angelo will moderate "Hobby Club Review," a panel that features a representative of every ANARC club to present a quick look at their organization (this was a real hit last year so is being repeated again this year). Finally, the day closes with a swap meet/equipment sale which will run from 1900-2200. This is a come-as-you-are event: bring something to sell or swap if you want and strike your own bargains--the Fest will take no cuts.

Saturday (18 March) starts at 0900 with Mike Wolfson discussing the tremendous variety of things that can be done in utility DXing. At last they have been let out into public and at 1030 John McColman and Bill Cole will moderate a panel of The Scanner Scum who will introduce you to what it is the scanner folks do--bring you camera: this will be the photo opportunity of the year. The fest lunch will be held in the ballroom and after lunch, Michael Murray, executive director of the European DX Council, will present a brief slide show on the member clubs of the EDXC. The last forum on Saturday will be, "Receiver Specs: What Do They Mean?" and will have the team of Joe Buch, Ben Hester and Chuck Rippe! explaining those mysterious specs and reporting what they found out about Fest goers receivers (bring your receiver and have it tested for conformity to factory specs).

The cash bar starts in the ballroom at 1800, followed by the Fest banquet (which will answer the age old question, "chicken or beef?") and the prize draw. After dinner remarks will be made by Ian McFarland who will share some stories on life inside shortwave stations. We have assembled a pretty impressive pile of door prizes this year (just like in past years) and you may well take home a new receiver, some good books, a pair of headphones or a Barto bag.

Saturday will also feature the silent auction, with all proceeds going to an interdenominational African Relief Fund. Be sure to bring something to contribute to the silent auction and join in the fun.

So we have a lot to look forward to over the next two months, what with the NADXC and the Fest. Happy DXing and I look forward to seeing you at the Fest!

Listener's Notebook

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Chris Lobdell
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SPECIAL REMINDER FOR LOVE-STARVED DX'ERS Surprise your mate this February 14th. Open your shack door, pull off one of your headphones, and yell, "Hey honey, I love ya!." Just once, try not to follow this with "Oh, by the way, wouldja grab me a beer?" or "Hey, turn that damned hairdryer off!"

You'll be glad you did, you romantic radio fool.

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ALGERIA Following up last month's *LN*, BBCM confirms a change in *Radio Algiers International's* external sked: 1900-2000 in Spanish, 2000-2100 in English. The Spanish broadcast announced 9615 and 15215 kHz, although neither was noted; no English frequencies were noted by BBCM (it was heard on satellite) [I suggest 11715 kHz, as noted here by Allan Garshowitz—AQ].

ANGOLA The anti-UNITA program *Voice of the Resistance of the Black Cockerel*, which was heard again on *Radio Nacional de Angola* (RNA) between 9th and 15th December, has not been heard since 16th December. Instead, RNA has been observed to carry its regular programming at 0500-0700 and 1100-1300, the times the *Voice of the Resistance of the Black Cockerel* program was aired. (BBCM)

Radio Nacional de Angola is being observed with good signals again on 3375, usually // but weaker on 4950. Try around 0300-0400+. (Tony Ward) The External Service is currently active too on 9534.8 and 11954.8. The latter was noted in Portuguese at 2000. (Roger Chambers/DX ONTARIO "World Radio Report"). ES sked: French 1900-2000, English 2000-2100, Portuguese 2100-2200, Lingala 2200-2300. (Jan-95/DSWCI)

ANGUILLA The religious station *Caribbean Beacon*, owned by Dr. Gene Scott, had upped power on 1610 kHz from 50 kW non-

directional to 200 kW directional towards North America. (10-Jan/Glenn Hauser—WOR)

ANTARCTICA This is a puzzler. Subsequent to a report of *AFAN's* reactivation on 6160 kHz comes news that operations are scheduled only from 2000-1200, not 24 hours as had previously been assumed. (RNMN/WOR/DX ONTARIO "World Radio Report"). I recently began to suspect the original report of *AFAN's* reactivation, the news of which originated via a pirate broadcaster in New Zealand. I dropped email to Brent Jones—conveniently located at the South Pole—for confirmation or denial. his response: "They do broadcast on 104.5 FM, but that may be hard to get in the States... :) RE:6160, the frequency is also dead here. I checked with the ASA communications manager at McMurdo, and he had no knowledge of the SW transmitter. Either it is not in operation, or the Navy is keeping it a secret... :) Brent

So...I'll believe this one when I start to see loggings. (Al Quaglieri)

AUSTRALIA *Radio Australia* English schedule effective from 26th December 1994:

0000-0030	17750 13745 13605 9610
0030-0100	17860 17795 17750 15415 15365 15240 13755 13745 13605 9660 9610 9580
0100-0200	17860 17795 17750 17715 15510 15425-(Sa/Su) 15415 15365 15245 15240 13605 9660 9580

0200-0400 17880 17860 17795 17750 17715
17715 15510 15425(Sa/Su) 15415
15365 15245 15240 13605 9660 9580

0400-0430 17860 17795 17750 17715 15425-(Sa/
Su) 15415 15365 15245 15240 13605
9660 9580

0430-0500 17860 17795 17750 17715 15510
15425-(Sa/Su) 15415 15365 15245
15240 13605 9660 9580

0500-0530 17860 17795 17750 17715 15425-(Sa/
Su) 15415 15365 15245 15240 13605
9660 9580

0530-0600 17860 17795 17715 15425-(Sa/Su)
15415 15365 15245 15240 13605 9660
9580

0600-0630 17795 17715 15530 15510 15425-(Sa/
Su) 15415 15245 15240 13605 9660
9580

0630-0700 17795 17715 15530 15510 15415
15245 13605 9860 9660 9580 6080
6020 5995

0700-0730 17715 15530 15415 15245 13605 9860
9580 6080 6020 5995

0730-0800 17715 15530 15245 9710 9580 6080
6020

0800-0900 17715 15530 15245 9860 9710 9580
6080 6020 5995

0900-1000 21725 13605 9860 9580 9510 7240

1000-1100 21725 13605 9860 9580 9510 7240

1100-1130 15530 9860 9615 9580 7240

1130-1200 15530 9860 9615 9580 9560

1200-1230 15530 11800 9615 9560 5995

1230-1300 15530 11800 9615 5995

1300-1400 11800 9615 9560 9510 5995

1400-1430 11800 9615 9560 5995

1430-1630 11800 11695 11660 9770 9710 7260
6080 6060 5995

1630-1700 11880 11695 11660 9860 9710 7260
6080 6060

1700-1900 11880 11695 11660 9860 9710 9580
7260 6080 6060

1900-2100 11880 11695 11660 9860 9580 7260
6150 6080 6060

2100-2130 11855 11695 9660 9645 9580 6080
6060

2130-2200 17860 15365 11855 11695 9660 9645
9580

2200-2300 17860 17795 15365 13755 11855 9660
9645 9610 9580

2300-2330 17860 17795 15365 13755 11855
11695 9660 9610 9580

2330-2400 17860 17795 15365 15240 13755
13605 11855 11695 9850 9660 9645
9610 9580

(BBCM)

BOLIVIA Once again, *Radio Metropolitana*—6196.1 is promoting an international program that was to have commenced on Jan 23rd with airings [weekly?] at 0100 and

0900 UTC. It remains to be seen if this will materialize—the station made similar pronouncements last year but only relayed its FM channel during the designated program periods. The station continues to verify with a 3-page QSL letter, a new pennant and picture postcards of La Paz. (Henrick Klemetz/MRL's Tropical Tuning #34/DX ONTARIO "World Radio Report")

BRAZIL *R. Nova Visao* is the new name for R. Transamerica. Reception reports are wanted to: Rua do Manifesto 1373, Sao Paulo, Brazil 04209-001. Sked on 5965/11705 is 1100-2100 Mon-Fri and 1100-2300 on Sat/Sunday. (Jihad DX)

Current *Radiobras* shortwave sked:

1000-1120	Spanish	9745	South America
1200-1320	English	15445	North America
1800-1920	English	15265	Europe
1630-1750	Portuguese	15265	Europe
1930-2050	German	15265	Europe

(Salvatore Placanicca—Italy/SWR Current magazine/Marie A. Lamb/Internet)

CHILE Jose Holowaty, former program director of *KGEI*, is buying the former transmitting site of *Radio Nacional de Chile* at Santiago. Plant includes eight Harris 100 kW transmitters and a 22-acre site with nine towers supporting curtain antennas. Station will be called *Radio America Internacional*, and optimistically expects to hit the air by mid-February. (07-Jan/HCJB DX PartyLine/BBCM)

CHINA *Voice of the Strait* broadcasts from Fuzhou for listeners in the Offshore Islands and Taiwan, mostly in Chinese:

First Program

0000-0200	6115 5050 4940
0855-0945	7280 6765 6115 4940
0945-1000	7280 6765 6115 5508 4940
1000-1230	7280 6765 6115 5508 4940 4133 2755
1230-1400	6765 6115 5508 5050 4940 4133 2755
1400-1700	6115 5508 5050 4940 4133 2755
2155-2400*	6115 5050 4940

(*incl program in Amoy from 2330-2400)

Second Program

0255-0600	9505 6000	We-Mo
0355-0600	9595 6000	Tu
0955-1500	6000 4900	

(BBCM)

Zhejiang PBS, Hangzhou sked, all in Chinese:

0000-0525 4785 2475
0700-1605 4785 2475
2100-2400 4785 2475

(BBCM)

CIS The Russian Defence Ministry's *Radio Slavyanka* has cut its broadcasts on Mayak by two-thirds to a single 20-minute program, which would be broadcast on Fridays and repeated on Saturdays. (BBCM) The rest of the sked, as published in *LN* last month, remains intact. —AQ

Radio Intercontinental, the shortwave station in Armenia which carries religious programs in English and German as well as programming in Armenian, has been heard since 30th December with test transmissions by "*Radio Voice of the Martyr*." Sked 1800-1830 on 9480 kHz. Announced address: PO Box 5540, 78434 Konstanz, Germany." Noted by U.S. listener Russ LeBlanc on 03 January. (BBCM/Russ LeBlanc/SW Echo)

Belarussian Radio home services, all programs in Belarussian except for *, which is Polish:

First Program

0300-1600	11985 7210 7145 7140 6150 6115
	6080 3384L 3296
1600-1700	11985 7210 7145 7140 6115 6080
	3384L 3296
1700-2300	13645 11985 11670 7210 7145 7140
	6115 6080 3384L 3296

Second Program "Krynica"

0500-1600 6115

Grodno Oblast Radio

0440-0500	7140
1600-1640	7140
1820-1900	7140
2030-2105*	7140 5945 Tu only

Moghilev Oblast Radio

0430-0500	5965	Mo-Fr
1600-1640	5965	Mo-Fr

(BBCM)

Georgian Radio

First Program

0200-2300 5040

(in Georgian exc. for Russian 1510-1520)

Second Program (may relay First Program at times)

0130-2200 4875

(BBCM)

Radio Dnestr International is the external service of *Radio Pridnestrovye*, the broadcasting station of the Russian separatists in the Pridnestrovye (transDnestr) region of Moldova. Broadcasts in English on Mo/We/Sa from 2130-2200 on 9620. (BBCM)

CLANDESTINE—MIDDLE EAST *Voice of Free Tajikistan*, supporting Afghanistan-based Tajik opposition groups, has been heard again, on 11th January with a broadcast beginning at 0620 and ending at 0700. Frequency is 7080 kHz, within its normal frequency range of 7030-7090 kHz. (BBCM)

Current schedule of the *Voice of Human Rights and Freedom for Iran* is: 0230-0425 on 9380 kHz, 1630-1825 on 9270 and 11470 kHz, 0600-0645 on 15150 and 1545-1625 9255 kHz. I received a letter from the station saying "At the present time, we are in process of gathering information on the voice quality of our medium and short wave radio programs." This is an opportunity for DXers who want to receive QSLs from that station. The contact address is: Manouchehr Ganji, 18 bis, rue Violet, 75017 Paris, France. (Stanislav Mekhonoshin—Russia/Mathias Kropf/WDXC Contact)

Observations between 19th and 23rd December confirmed that *Voice of Independent Kurdistan* continues to operate on a variable frequency in the 7025-7035 kHz range. The station appeared to sign on at 1430 and off by 1455. During the course of the observations the radio was heard broadcasting in Turkish, Arabic and Kurdish on various days of the week. (BBCM)

Following the recent fighting between the Kurdistan Democratic Party (KDP) led by Mas'ud Barzani and the Patriotic Union of Kurdistan (PUK) led by Jalal Talabani, the two groups' radios—*Voice of Iraqi Kurdistan* and *Voice of the People of Kurdistan*—were heard on 9th January to be broadcasting simultaneously on 4065 and 4055 kHz respectively. This represents a change for frequency for both the KDP's *Voice of Iraqi Kurdistan* (which used to operate around 4180-4185 kHz) and the PUK's *Voice of the People of Kurdistan* (which used 4075-4100 kHz). (BBCM)

Voice of the Iranian Communist Party continues to be heard on variable frequencies around 3910 and 6420 kHz. On 11th and 12th January, it was heard broadcasting in parallel (in Persian) on these two channels between sign-on at 1700 and sign-off at 1800. (BBCM)

The **Voice of Iranian Kordestan** resumed broadcasting on 9th January after a week off the air for transmitter maintenance. The radio was heard broadcasting its normal programming on 3739 and 4284 kHz; although frequency usage by Voice of Iranian Kordestan is traditionally variable, these channels are within frequency ranges used by the station recently.

Voice of Iranian Revolution was heard in December 1994 on 6410-6418 and 3871 kHz. (BBCM) Heard on 3888v and 6420v kHz from 1430-1530 in Farsi. (Stanislav Mekhonoshin—Russia/Mathias Kropf/WDXC Contact)

Voice of Rebellious Iraq, which broadcasts from Iraq in support of the Supreme Assembly of the Islamic Revolution in Iraq (SAIRI), is currently announcing the schedule: 0500-0730, 0730-0930, 1200-1430 and 1600-1830, all on a variable frequency around 7070-7090 kHz. (BBCM)

CLANDESTINE ACTIVITY SURVEY After last month's brief discussion of the 1994 Clandestine Activity Survey, let's take a more detailed look at the Asian target areas:

Overall activity to Asia has dropped by 12.7% to 1075 Weekly Broadcasting Hours (WBHs). With the exception of Turkey and China all target areas are showing decreasing or unchanged activity. The most active target area is still Iraq with 276 WBHs (-12 when compared to last year), followed by Iran with 238 WBHs (-6). North Korea is listed with 140 WBHs (-32) and South Korea with 112 (-2). Please note that both Koreas combined would be the second most active target area worldwide. Israel is still listed with 91 WBHs (-11), expect an even bigger decrease this year. This is followed by Saudi-Arabia with 70 WBHs (unchanged), Afghanistan with 42 WBHs (-18), Cambodia with 35 WBHs (-78) and India with 21 WBHs (unchanged). The

only Asian target areas with increasing activity are Turkey with 19 WBHs (+15) and China PR with 14 WBHs (+7). Vietnam is listed with 7 WBHs (unchanged), Myanmar/Burma with 6 WBHs (-12) and Tajikistan with 4 WBHs (-8). (WDXC Contact via Mathias Kropf)

CZECH REPUBLIC Radio Prague's external service no longer uses transmitters in Slovakia. All broadcasts are now only on the air from the Litomysl transmitting station in the Czech Republic. The resulting sked:

0000-0030	English	5930
0030-0100	Spanish	7345 5930
0100-0130	English	7345
0130-0200	Czech	7345
0200-0230	Spanish	7345
0230-0300	Czech	7345 5930
0300-0330	English	7345 5930
0330-0400	English	7345
0600-0630	French	5930
0630-0700	German	5930
0700-0730	English	17485 7345
0730-0800	English	21705 17485
0800-0830	Czech	21705 17485
1100-1130	German	7345 6055
1130-1200	English	9505 7345
1200-1230	French	9505 7345
1230-1300	Spanish	11990 9505
1300-1330	German	7345 6055
1330-1400	Czech	7345 6055
1500-1530	Czech	13580 5930
1530-1600	French	5930
1600-1630	German	5930
1630-1700	Czech	9420 5930
1700-1730	English	9420 5930
1730-1800	French	9420 5930
1800-1830	English	9420 5930
1830-1900	Czech	9420 5930
1900-1930	Spanish	9420 5930
1930-2000	French	9420 5930
2000-2030	Spanish	9420 5930
2030-2100	French	9420 5930
2100-2130	English	7345 5930
2130-2200	Spanish	5930
2300-2330	Spanish	7345 5930
2330-0000	Czech	7345 5930

(10-Jan/Glenn Hauser—WOR/BBCM)

DENMARK After many years (25, to be exact) of non-QL'ing, the shortwave service of **Radio Denmark** has had a sudden change of heart: "On January 7, 1995, I received the brand new, nice QSL-card from the SW Service of Radio Denmark confirming my reception report from Germany. R. Denmark ceased issuing QSL's about 1970, but has

II. ABOUT YOU

Age: 7-15; 15-25; 25-35; 35-45; 45-55; 55-65; 65-->

Number of years in the hobby: _____ Age when I started: _____

Other major hobbies: _____

of receivers used regularly: _____ Primary receiver _____

New receiver purchased in the last year (yes/no) _____

Antenna: outside; inside; active; built-in

Hobby equipment purchased in the last six months (yes/no): _____

Number of hours spent listening weekly: _____

I consider myself chiefly a: DXer; SWL

I participate in the NASWA awards program (yes/no): _____

I collect QSLs (yes/no) _____ # countries heard/verified _____

I have an email address (yes/no) _____

III: GENERAL

On the column list on the first page, please place an "X" on the name of your favorite column and "XX" on your least favorite.

NASWA JOURNAL SURVEY--1995

It has been several years since we last surveyed NASWA members and we encourage you to take part in this survey so that we are better able to respond to the needs of *Journal* users. Please look over the survey carefully. The first section lists all the columns and asks you to respond to statements by placing check marks as appropriate. Notice that the statements across the top are clustered and you should provide an answer for each cluster.

The second section asks several questions about you and your listening habits. These are important questions since very little demographic data exists on radio hobbyists—not only will this information help us understand our readers but it will also be useful to international radio stations.

		Present
		Always Read
		Usually Read
		Sometimes Read
		Hardly Ever Read
Musings		
FRIENDX 25 Years Ago		
Shortwave Center		
Listener's Library		
Technical Topics		
Listener's Notebook		
NASWA Portraits		
QSL Report		
NASWA Awards		
English Schedules		
Latin Destinations		
African Destinations		
Asian Destinations		
Equipment Review		
Tropical Band Loggings		
International Band Loggings		
Contributor's Page		
CPRV Page		
Radio Stamps		
NASWA Scoreboard		

Would you like to see (more/less) emphasis on DXing in *The Journal*? Would you like to see (more/less) emphasis on SWLing in *The Journal*? Do you think the present mix of DXing/SWLing content is about right? (yes/no): _____

If "English Schedules" was a spinoff publication, would you pay extra to get it? (yes/no) _____ Would you continue your subscription to *The Journal* if "English Schedules" were not present? (yes/no) _____

The Journal, as presently structured, is devoted totally to coverage of shortwave broadcast (in fact, it is the oldest in the world so dedicated). If we were to add additional columns, which would you like to see: _____Pirate reports; _____Utilities; _____Scanning; _____medium wave; _____television DXing; other _____

Would you be willing to serve as a column editor? _____. If you would like to write for *The Journal*, please send a note with your interest to the Editor-in-chief, Dr. Harold Cones.

Please fold the survey into thirds, tape shut, apply a stamp and send. Thank you for your help!

Dr. Harold Cones
2 Whits Court
Newport News, VA 23606

now changed policy. Thus you can again report them and ask for a QSL-card. Remember to ask them to resume programs in English, as this may be possible from 1996 depending on the interest for it." (08-Jan/Anker Petersen—Denmark/via Dan Ferguson/CompuServe)

Here's a schedule for *Radio Denmark*, all via Radio Norway International, valid until 25-March:

0930-0955	17740 17840	ME, FE, OZ
1030-1055	11860	SEur
1130-1155	7295 11850	Eur, Greenland, ENA
1230-1255	11850 15165 15175 17810	OZ, Americas
1330-1355	9590 13800 15335 15605	Eur, OZ, Americas
1430-1455	11870 13800 15335	OZ, Americas
1530-1555	9480 9550 11850 15230	ME, Eaf, WNA
1630-1655	9550 9590 11825 11850	ME, Eaf, WNA
1730-1755	7120 9590 11850 15220	Eur, Afr, NA
1830-1855	5960 7120 9590 11930	Eur, ME, Afr
1930-1955	5960 7215 9590	Eur, Afr, OZ
2030-2055	9590	Eur, NA
2130-2155	9590 9600	Greenland, NA, SA
2230-2255	5905 9590	SA
2330-2355	6030 6060 7275	SA, SEAs
0030-0055	5905	NA, SA
0130-0155	5910	Americas
0230-0255	5910 7450	Americas
0330-0355	7215 9560 9590	NA, Eaf
0430-0455	7165 9590	ME, East Afr
0530-0555	5910 7165 9590	WNA, Eaf, ME
0630-0655	5965 7180 9590 11735	Eur, ME
0730-0755	5965 7180 9590 15175	Eur, Afr
0830-0855	9590 11735	FE, OZ

(03-Jan/Erik Koie—Denmark/Dan Ferguson/CompuServe)

ECUADOR 9770 *Radio Nacional* service via *HCJB* has been suspended for the time being. (The Latest Catch 12-28 via Johnson)

ETHIOPIA *Radio Fana* is a new government station operating on 6210 and 9335 kHz. Sked is 0330-0800 and 1530-1730, with all programming in Amharic and local languages. (05-Jan/Victor Goonetilleke—Sri Lanka/RN Media Network)

FINLAND *Radio Finland* has this tollfree (US only) number for schedules, messages and signal reports: 1-800-221-9539. (Nick Terrence—NY)

GERMANY As part of a facility swap, *Radio Nederland* is using *Deutsche Welle's* Nauen site for one frequency—7130 kHz—in its 1130 release in English to Europe. (RN Media Network)

Kigali relay resumed on 1 January. Because of this and closedown of stations Königs Wusterhausen, Brasilia and Meyerton, some changes have taken place:

CANCELLED FREQUENCIES:

0100-0150	English	6120
0100-0300	German	6075 9640
0200-0250	Spanish	6085
0200-0355	German	9735
0300-0350	English	9535
0500-0550	English	5960
2200-0155	German	9730
2300-0050	Spanish	11810 11865
2300-0200	German	6115

NEW FREQUENCIES:

0100-0150	English	9565 (ex-9640)
0200-0250	Spanish	9565 (ex-9640)
2100-2150	English	9615 (ex-9690)

(13-Jan/Direct/Wendel Craighead—KS)

GUAM *AWR-ASIA* (KSDA) 1994 Winter Schedule, 01 January through 26 March 26:

0000	Burmese	17645	
0000	Mandarin	15225	
0100	Bangla	17645	
0100	Mandarin	15225	Sa/Su
0200	Mandarin	13720 15225	Sa/Su
0300	Mandarin	13720 15225	Sa/Su
0900	Mandarin	9370 11980	
1000	Mandarin	9370 11980	
1000	Russian	9530	
1100	Indonesian	13720	
1100	Mandarin	7455 9370	
1200	Filipino+	13720	
1200	Mandarin	7455	
1200	Korean	9370	
1300	Bangla	13720	
1300	Mandarin	7455	
1300	Japanese	9650	
1400	Sinhalese	9370	
1400	Mandarin	7455	
1400	Burmese	13720	
1500	Indian langs.~	7395	
1500	Mandarin	7455	
1500	Vietnamese	9370	
1600	Indian langs.^	7395	
1600	English	9370	
2000	Korean	5950	

2100	Mandarin	5960 7455
2100	Japanese	9495
2200	Indonesian	13720
2200	Mandarin	7455 9370
2300	Vietnamese	15610
2300	English	11980
2300	Mandarin	15225

+ Sat/Tues/Fri=Tagalog; Sun/Thu=Ilonggo,
Mon/Wed=Cebuano

~ Sun/Tues/Fri/Sat=Hindi; Mon/Wed/
Fri=Telugu

^ Sun/Wed/Sat=Tamil; Mon/Fri=Marathi;
Tues/Thu=Malayalam

(/Direct/15-Jan/Marie A. Lamb/Internet)

AWR-Asia (KSDA) is actively planning for the installation of a 4th shortwave transmitter, probably 100 kW although 250 kW would be preferred. Meanwhile, experimental test broadcasts from this facility beamed to Australia were planned to commence early in 1995 and will probably continue for some months. (Dec-94/Adrian Peterson/Radio News Bulletin V2#10/DX ONTARIO "World Radio Report")

HONDURAS Radio Internacional is readily heard on 4930.6 in the evenings past 0300. It assumed use of this frequency in the spring last year, about the same time Radio Barahona in the Dominican Republic fell silent. (Dec-94/Don Moore/MRL's Tropical Tuning #32/DX ONTARIO "World Radio Report")

HUNGARY Radio Budapest noted on 4010 at 2100 to 2157 sign off. Heard with the regular IS and was running parallel to 7220. The 4010 outlet signed off at 2157, but 7220 continued with EE programming. (17-Dec-94/Berg/NU #1303)

INDIA Some recent changes in *All India Radio's* shortwave services:

Bangalore: The 3rd and 4th 500 kW transmitters are now online and the curtain array antennas support 13 MHz, so AIR External Service is using channels like 13700 and 13732 for the first time.

Guwahati: Another 50 kW shortwave transmitter located here now carries the Vividh Bharati (variety) service for the Northeast on 10330 kHz, joining transmitters at Bombay, Delhi and Madras which are syn-

chronized on the same channel. The Guwahati B Service (formerly 20 kW) has been discontinued with the operations being moved to Imphal.

Imphal: The newly commissioned 50 kW transmitter now carries the old Guwahati B program, retaining the same channels: 3235, 4775 and 7150, with basically the same schedule as before (4775 sked 0025-0215 and 1030-1730).

Jaipur: This new 50 kW transmitter has now moved from 3295 (an old Delhi feeder frequency) to new 3345 kHz. Sked 0025-0215 and 1430-1741. Sked on 4910 is 0228-0415 and 1130-1415.

Jammu: The old 1 or 2 kW transmitters formerly on 3345 and 4950 have been discontinued, as local service is now provided by an FM transmitter.

Kingsway: The Delhi A Service on frequencies such as 3365 kHz now operates with 50 kW in the local mornings/afternoons and 20 kW for the local evening period.

Lucknow: This 50 kW transmitter has moved from 3245 to new 3205 kHz. The new channel is another former Delhi feeder frequency.

Panaji (Goa): The long-awaited two new 250 kW transmitters for the External Service have finally been activated. One of the transmitters was first heard testing on 4775 at 1400-1500 with news relays from Delhi, then a relay of the local Panaji A medium wave outlet. It is now using 11855 at 0315-0415 in Hindi and 11730 at 0430-0530 in Arabic, both to the Middle East.

The new site is actually located at Bamolim, just across a hill from Panaji. This used to be the transmitter site for the old *Emisora Goa* during the Portuguese colonial era. Until just now, Goa, which counts as a separate radio country, has not been on the air since 1969 when India took control of the territory. (Dec-94/Manosij Guha/UDXL's DX Grapevine/DX ONTARIO "World Radio Report")

Shillong 4970 add 0030-0400 to sked.

Trivandrum (current name for Thiruvananthapuram) 5010 0025-0215 1145-1735 (Sun 1100), 7290 0230-0400 0630-0930 (Sat

0945 Sun 1030). (Jacob via Adrian Peterson/
Hans Johnson)

INDONESIA New address for the *Voice of Indonesia* is P.O. Box 1157, Jakarta." (Maarten van Delft/DSWCI ShortWave News/DX ONTARIO "World Radio Report")

RRI Kendari (Sulawesi) seems to have tuned up its (listed) 5 kW transmitter on 4000.2. (Tony Ward/MC/DX ONTARIO "World Radio Report")

RRI Sibolga (Sumatra) has moved from 5256.3v to 5030.4 where it can be heard [even in eastern NAM during the winter season] opening at 2300. It has also been heard before 1200 and at 1300 with Jakarta news relay. Do not confuse with *RTM-Kuching* which is on 5029.9 (Andy Sennitt/Internet/ODXA Listening Post/DX ONTARIO "World Radio Report")

IRAN VOIRI is expanding its overseas service with programs in Swahili, Hausa and Malay. The Swahili program has already begun, from 1700-1730 on 9685 and 11740 kHz. The Hausa and Malay services were scheduled to begin between 2-11 February (times/freqs unknown) via four new transmitters. (BBCM)

IRAQ Radio Iraq International's international service, as monitored, all times variable: 0900-1300 in English on 13680, 2100-2340 in Arabic on 9745. (BBCM) Don't forget the Kurdish service, still on 6560 kHz.—AQ

ISRAEL Following up on the December LN report of imminent *Kol Israel* funding cuts: the station announced postponement of the proposed cutbacks, but as of 4 January, the broadcasts at 1400 and 2230 were canceled, and the English program at 2000 was cut in half. French lost 2030 and 2130, with a truncated news bulletin now at 2015. The 2200 Spanish program has been moved to 2030-2055, after which *Kol Israel's* foreign language shortwave network now signs off.

This leaves the only English:

0500-0515	17545 9435 7465
1100-1130	17575 15650 15640
2000-2015	17575 11603 9435 7465 7405

The shortwave relay of Radio 2, the *Kol Israel* Hebrew-language second domestic network, continues to operate 24 hours a day. (BBCM)

ITALY RAI—Radio Roma sked, compiled from monitoring observations. In addition to facilities in Italy, *RAI* also transmits via the *BBC* relay stations at Ascension Island and Kranji (Singapore). Transmissions via Kranji began on 9th January 1995:

0050-0110	English	11800 9645	
0110-0125	French	11800 9645	
0110-0125	Portuguese	11880 9575	
0130-0305	Italian	11880 11800	
		11765 9645 9575	
0130-0230	Italian	11765* 9645 9575	
		6110*	
0305-0325	Spanish	11880 11800 9645	
		9575	
0330-0345	Russian	11880 11800 9645	
		9575	
0400-0530	Italian	15350 11800-(fm	
		0500)	
0415-0425	Amharic	7275	
0415-0425	Italian	5975	
0425-0440	English	7275 5975	
0445-0505	Lithuanian	7275 5975	
0510-0530	Romanian	7275	
0535-0600	Arabic	15350 11800	
0535-0555	Russian	9575 7275	
1000-1100	Italian	11850+	
1330-1345	Arabic	9515 6060	Mo-Sa
1400-1425	Italian	17780 15245	
1415-1730	Italian	21710 21535	Su
		21520 17780 9855	
1430-1455	French	11905 9755 7110	
1430-1455	Italian	9710 7235	
1500-1520	Croatian	9615 7290 5990	
1500-1520	Turkish	9685 7235	
1520-1540	Greek	9685 7235	
1520-1535	Slovene	9615 7290 5990	
1535-1550	German	9615 7290 5990	
1540-1600	Bulgarian	9685 7235	
1555-1635	Italian	9755 7290 5990	
1605-1625	Russian	9710 7235	
1630-1655	French	9710 7235	
1640-1655	Somali	21710 17870	
1700-1745	Italian	21710 17870	
		15320* 15230	
		9710 7235	
		9710 7235	
1750-1810	Arabic	9710 7235	
1750-1825	German	9755 7275 5990	
1815-1830	Czech	9710 7290	
1830-1845	Slovak	9755 7290	
1845-1905	Polish	9755 7290	
1910-1930	Arabic	15340 11800 9710	
1935-1955	English	11905 9575	
2000-2030	Italian	1440	
2025-2045	Arabic	9680 7290	

2025-2045	English	11800 9710 7235	0830-0845	German	7160 6230	
2050-2110	Spanish	7290	0845-0915	German	7160 6230	Su
2110-2130	Portuguese	9680 7290	0920-0935	English	7115	Sa/Su
2135-2155	Czech	9755 7290	0925-0940	Hungarian	7325	Tu-Sa
2135-2155	Romanian	9555 7275	0935-0945	English	7115	Su
2155-2210	Slovak	9755 7110	0945-1000	Slovak	7325	Mo/Tu/We/Fr
2200-2225	English	11800 9710	0945-1000	Czech	7325	Th/Sa
2210-2225	Polish	9755 7290	1000-1015	Polish	9490	Th-Mo
2230-0050	Italian	11880 11800 9645	1105-1120	German	7160 6230	Mo-Sa
		9575	1130-1145	Czech	7325	Su
2350-0050	Italian	11800 9645	1130-1200	Slovak	7325	Sa

* via BBC Ascension

+ via BBC Singapore

(BBCM)

JORDAN Since late December, *Radio Amman's* Arabic service has been using four transmitters in the 25 mb. Two of these are new: 11960 and 12000 kHz, joining existing 11810 and 11940 from around 0440 onwards. (05Jan/Victor Goonetilleke—Sri Lanka/RN Media Network)

KUWAIT *Radio Kuwait* noted 1700+ on 9880 with new ID, "*Idha'at al-Dawlati al Kuwayt.*" (Junichi Nishikawa—Japan)

LUXEMBOURG *Radio Luxembourg* vacated its long-standing 6090 kHz frequency as of 1 January. This channel had been used for various *Radio Luxembourg* services in the past, most recently for a 24 hour-a-day relay of the RTL French service. (BBCM) 15350 in German has also vanished. (05Jan/Jonathan Marks/RN Media Network) Sad, really. I recall many pleasant hours spent on 6090 listening to the English deejays spinning the latest pop music from Europe.—AQ.

MADAGASCAR As part of a facilities swap, *Deutsche Welle* is using *Radio Nederland's* relay here for a broadcast beamed toward central Africa. Transmission is from 0500-0550 on 11765, languages Portuguese and French. (12-Jan/RN Media Network)

MALAYSIA As of 1 January, *Radio 4* and *Radio 5* were expanded to 24 hours a day, while *Radio 6* programs have been increased by two hours to 20 hours a day. [No word if this includes shortwave. *Radio 4* is relayed on 7295 kHz, *Radio 6* on 4845 kHz.—AQ]

MONACO *Trans World Radio*-Monte Carlo sked:

0740-0920 English 7115

0830-0845	German	7160 6230	
0845-0915	German	7160 6230	Su
0920-0935	English	7115	Sa/Su
0925-0940	Hungarian	7325	Tu-Sa
0935-0945	English	7115	Su
0945-1000	Slovak	7325	Mo/Tu/We/Fr
0945-1000	Czech	7325	Th/Sa
1000-1015	Polish	9490	Th-Mo
1105-1120	German	7160 6230	Mo-Sa
1130-1145	Czech	7325	Su
1130-1200	Slovak	7325	Sa
1200-1245	Hungarian	7325	Su
1330-1345	Serbian	7290	Th
1330-1415	Croatian	7255	Fr-We
1345-1515	Macedonian	7290	Su
1345-1415	Croatian	7290	Mo-Fr
1345-1400	Slovenian	7290	Sa
1400-1415	Hebrew	11760	Fr-Tu
1430-1500	German	7160 6230	
1500-1515	Armenian	9445	
1500-1530	Polish	7105	
1515-1530	Armenian	9445	Mo-Fr
1515-1545	Russian	9490	
1535-1550	Czech	6235	Mo/Tu/Th/Fr
1535-1550	Slovak	6235	We/Sa/Su
1545-1600	Bulgarian	7170	We-Su
1545-1630	Russian	9485 7385	Mo-Sa
1550-1620	Czech	6235	Mo-Fr
1600-1615	Romanian	7385	
1615-1630	Romanian	7385	Fr-We
1620-1635	Hungarian	6235	
1635-1650	Hungarian	6235	
1635-1650	Ukrainian	7170	
1650-1720	Ukrainian	7170	Mo-Fr
1730-1745	Lithuanian	5885	Tu/We
1730-1800	Persian	9445	
1840-1925	Russian	5890	
1925-1940	Russian	5890	Mo-Sa
2000-2015	Turkish	7385	
2015-2030	Turkish	7385	Mo-Fr

(BBCM)

MONGOLIA Updating the sked printed in last month's LN: *Radio Ulan Bator* now announces English 1930-2000 on 13670 and 17900. (05-Jan/Arthur Cushen/RN Media Network)

MOZAMBIQUE *Radio Mocambique* is only active on two tropical band frequencies at the moment which are 4855 and 4926.5 kHz. Although very strong, they are so badly modulated that they are worthless. (Korinek/NU #1304)

NEPAL 3230, *Radio Nepal*, apparently here ex-7165 noted at 1206 running dual to the 5005 outlet. (Hans Johnson/Jihad DX #15)

NEW ZEALAND *Radio New Zealand* International sked:

0000-0658	English	15115	
0658-1206	English	9700	
1206-1650	English	9655	(occ. for sports)
1650-1855	English	9655	Mo-Fr
1855-2137	English	11735	
2137-2400	English	15115	

(BBCM)

NIGERIA 4770 *Radio Nigeria Kaduna* reactivated, heard at 2046 (23Dec/Hans Johnson)

PAKISTAN *Radio Pakistan* sked until 4 March:

0030-0130	Hindi	9515v	7290
0100-0200	Bengali	15190	12015
0100-0230	Urdu	21730	17705
0230-0245	English	21730	17725 17705 15190
			7290
0315-0415	Gujarati	17895	
0330-0530	Persian	15515	12015
0430-0630	Urdu	21580	17555v 15690
0645-0745	Swahili	17895v	
0700-0800	Burmese	21475	17540v
0800-0848	English	17900v	15625v
0848-1100	Urdu	17900v	15625v
0900-1000	Indonesian	21475	17540v
1030-1130	Tamil	15515	13665
1100-1120*	English	17900v	15625v
1200-1342	Bengali	15625	11935
1342-1357	Sylheti	15625	11935
1200-1300	Hindi	13665	9795
1330-1530	Urdu	15675v	13590 11570 9470
1430-1530	Turki	5920	5055
1600-1630	English	17660	15675 15555 13590
1700-1900	Arabic	9400	7395
1700-1750	English	11570	7485
1700-1800	Turkish	7425	6290
1750-1900	Urdu	11570	7485
1800-1900	Urdu	7445	585
1930-2030	French	11570	9400

(News at dictation speed sked at 0230-0245, 1105-1120 and 1615-1630) (BBCM)

PAPUA NEW GUINEA A new shortwave transmitter is to be installed by the *NBC* at Rabaul to carry the *Radio North Solomons* program on 3325 kHz. The *North Solomons* transmitter at Kieta is not being replaced due to the continuing uncertainty of the political stability on Bougainville Island. Speaking of which, the *NBC* refuses to verify reception reports of *Radio United Bougainville* on 3875 kHz, citing the fact this government-backed station is not part of the

NBC network. (Arthur Cushen's *Shortwave Review*—Nov & Dec/94/DX ONTARIO "World Radio Report")

Proposals have been announced to corporatize Papua New Guinea's national broadcaster, the *National Broadcasting Commission*. *Communications Minister John Momis* says the move to change the *NBC's* status is part of a major reform of the communications industry. (06-Jan/R. Australia/BBCM)

PERU 5131 *Radio Vision Dos Mil* (presumed) 2322 reactivated (25-Dec/Hans Johnson)

PHILIPPINES *Radio Veritas Asia* sked:

0000-0025	Karen	9535
0000-0025	Sinhalese	9695
0030-0055	Kachin	9535
0030-0055	Tamil	11820
0100-0125	Bengali	15335
0100-0125	Telugu	15530
0130-0155	Hindi	15335
0130-0225	Vietnamese	15530
0200-0225	Urdu	15335
1000-1055	Chinese	9520
1000-1025	Vietnamese	9555
1030-1125	Russian	15130
1100-1125	Vietnamese	11790
1130-1155	Burmese	9670
1130-1155	Chinese	9520
1200-1225	Indonesian	9520
1200-1225	Karen	9670
1230-1255	Filipino	9520
1230-1255	Kachin	9670
1300-1325	Vietnamese	11850 7215
1330-1355	Hindi	9555
1330-1355	Sinhalese	9520
1400-1425	Bengali	9555
1400-1425	Tamil	9520
1430-1525	Chinese	9615 6020
1430-1455	Telugu	9520
1500-1555	Filipino	15140
1530-1555	Urdu	9670
2100-2255	Chinese	7115 7105-(fm 2230) 6160
2130-2225	Russian	9560 (program from <i>Radio Blagovest</i>)
2300-2325	Indonesian	11820 9505
2330-2355	Burmese	7235
2330-2355	Vietnamese	9535

(BBCM)

FEBC has reintroduced "DX Dial," now on Wednesdays at approximately 1320 on 11995, repeated the following Friday 1005 on

11890, and on Saturdays 0925 approximately on 15450. (Alok das Gupta—India/ADXN)

RWANDA Note from *Deutsche Welle*: "On January 1st, our relay station Kigali resumed full operation between 0300 and 2200 UTC." (Direct/Wendel Craighead—KS) *Deutsche Welle* may have just been testing the 15270 kHz transmission in English from Kigali when I heard it (2100–2150 UTC). I heard it again yesterday, too. (13-Jan/Brian Johnson/SW Echo). Kigali appears to be back...heard it on 9670 at 1900–1950 in English. (17-Jan/Karl Kruger SaxeMondon—UK/RN Media Network)

SOUTH AFRICA Following up on last month's report, the sked for *Trans World Radio* via Meyerton:

0604-0700	English	11730
0332-0428	Swahili	9500
1804-1900	Swahili	9525
1900-2100	Yoruba, Fulani & others	9510

Future plans include a broadcast to West Africa from 2100–2200, plus transmissions to South America. (05-Jan/Jonathan Marks/RN Media Network)

BBC is using Meyerton for Portuguese from 1700–1730 on 3395 kHz. (05Jan/Arthur Cushen/RN Media Network)

SRI LANKA The *SLBC*'s North American Service which operated Monday only at 2330–2400 on 15425 has been dropped. (RNMN/DX ONTARIO "World Radio Report")

Further background on the ongoing work stoppage at the new *VOA* Sri Lanka relay site: Victor Goonetilleke reports continuing protests, demonstrations and sit-down strikes by the local populace. Only damage so far appears to be a burnt-down security post at the site and damage to an electrical transformer. *VOA* originally signed the agreement with a Sri Lankan party that's no longer in power. Now that the opposition party—which had vocally objected to *VOA*'s presence—is in office, they want to go ahead with the station. Technically there is nothing to be against, and the government would like to proceed because they need the foreign investment. (05Jan/Victor Goonetilleke/RN Media Network)

THAILAND *Radio Thailand* confirms it closed down the low power transmitter that was relaying the External Service on 4830 kHz, although the good news for DXers is that there are plans to acquire a new transmitter for use on that frequency. (JL via Noel Green's World News in DSWCI ShortWave News, ec/94/DX ONTARIO "World Radio Report")

USA As of 4 December, *VOA* made further cuts in several languages: Azeri (reduced from one hour to 30 minutes a day); Bulgarian (reduced from one hour to 30 minutes a day); Georgian (reduced from 90 minutes to 30 minutes a day); Polish (reduced from four hours to three hours a day); Slovene (dropped altogether—had been 30 minutes a day); and Uzbek (had been one hour daily, now 30 minutes daily Monday–Friday and 45 minutes daily Saturday and Sunday). (BBCM)

KWHR Hawaii sked valid until 26 March (all programs in English):

0000-0200	17555
0200-0600	17510
0600-1600	9930
1600-1800	7425
1800-2000	13625
2000-2200	13720
2200-0000	17510

(BBCM)

WEWN, Birmingham, Alabama, has the following new schedule:

2200-0800	7425
0800-1100	9350
1100-1600	7425
1600-2100	9455
2100-2200	7435

They also have a new show, the *EVENING PRAYER*, from 2230–2245 Monday thru Friday. (Direct)

WJCR has returned to 7490, first heard on 31-December. Modulation a bit on the scratchy side. (Lobdell) They announced they would be building a new facility at Clarks-ville, TN. (Jim Ducharme)

WRMI sked, all on 9955 kHz:

Sunday	0000-0030	Viva Miami!	Sp
Monday	0000-0030	Viva Miami!	Eng
Monday	0030-0045	Voice of Deliverance and Power	Eng
Sunday	0030-0045	La Voz de la Juventud Evangelica	Sp

Monday	0045-0100	Baptist Bible Broadcast	Eng
Sunday	0045-0100	Escrito Esta	Sp
Tues-Sun	0100-0130	Viva Miami!	Eng
Tues-Sat	0130-0145	Viva Miami!	Sp
Sunday	0130-0200	Viva Miami!	Sp
Tues-Sat	0145-0200	Manantial de Aguas Vivas	Sp
Tues-Sun	0200-0500	La Voz de la Fundacion	Sp
Mon-Sat	1100-1400	La Voz de la Fundacion	Sp
Sunday	1100-1130	Palabras de Vida	Sp
Sunday	1130-1145	Ministerio de Comunicacion Cristiana	Sp
Sunday	1145-1200	Hope for Today	Eng/Sp
Sunday	1200-1215	Abundant Life Broadcast	Eng
Sunday	1215-1230	Spirit of Hope	Eng
Sunday	1230-1300	Viva Miami!	Eng
Sunday	1300-1315	Search for Truth	Eng
Sunday	1315-1330	Redemption Hour	Eng
Sunday	1330-1400	Fellowship Hour	Eng
Sat, Sun	1400-2200	Overcomer Ministry	Eng
Saturday	2200-2215	Music	Eng
Sunday	2200-0000	Music	Eng
Saturday	2215-2230	Way of the Cross	Eng
Saturday	2230-2300	Your Radio Pastor	Eng
Saturday	2300-2330	Brother Ed	Eng
Mon-Fri	2300-0100	Scream of the Chameleon	Fr/Eng/Sp
Saturday	2330-0000	Viva Miami!	Eng

VIVA MIAMI!—This is *WRMI*'s own production, in both English and Spanish. Jeff White hosts this magazine-style program, which includes information, interviews and entertainment from and about Miami and the State of Florida. It also includes international travel features, "DX" information for shortwave enthusiasts, and letters from *WRMI* listeners around the world.

All other programs aired on *WRMI* are paid broadcasts by independent producers, and viewpoints expressed are not necessarily those of *WRMI*.

WAVESCAN is the title of a new 15-minute DX program for shortwave listeners written by Adrian Petersen of Adventist World Radio. *WRMI* is proud to be the only station in North America carrying *Wavescan*, which began January 1, 1995. It is aired each Sunday at 0100 UTC (which is Saturday night in the Americas) during the English edition of *Viva Miami!* and will be repeated Sunday between

1230-1300 UTC. (The repeat time is subject to change.) (17-Jan/Jeff White/Dan Ferguson/CompuServe)

VANUATU Following up last month's report of *Radio Vanuatu* on new 3330 kHz: two new 10 kW shortwave transmitters are being installed to replace the current transmitters on 3945 and 7260 kHz. Six frequencies have been registered for use from the new site: 2485, 3330, 3945, 4960, 6100 and 7260, although it is thought 7260 will continue in use during daytime hours and 3945 correspondingly at night. Each shortwave transmitter will use a phased RFS antenna, each array favoring NNW and SSE directive patterns, with a very high angle of radiation to bounce the signal from the ionosphere back to the Island. At last report prospective utilization of some of the newly registered frequencies was being delayed by objections from the Australian High Commission [2485 is also home to *VL8K-AQ*]. In the meantime, it seems the usual 3945 and 7260 channels have not been on the air on a regular basis of late. (Arthur Cushen's *Shortwave Review*/Chris Rogers in Brian Dodgson's 'Beverage' column, *DXers Calling/DX Australia*, Dec/94 /NMN/DX ONTARIO "World Radio Report")

VENEZUELA A firsthand report of shortwave activity by Don Moore, just returned from Venezuela:

Radio Mundial Los Andes from Merida is active on 6010 kHz (actually 6010.5, plus or minus 100 Hz—can't get that exact with a Sony ICF-2010). The schedule is somewhat irregular, but they were heard almost every day that I was there and on the few days I didn't hear them, I might have just tuned in at the wrong time. Twice they were on around 0700 UTC (3 a.m. local) and twice not on around the same time. Also heard several times in the morning (1000 UTC) and evenings (0000 UTC), as well as during daylight hours when long distance propagation is not possible. I have not seen reports of this station in the DX press for a long time, but suspect the reason is that *Radio Mil*, Mexico, on 6010 covers them up. So, if you hear something in Spanish on 6010, be sure to get an ID, as it is

probably the Mexican. However, the Venezuelan is, indeed, active.

This used to be a private station affiliated to the Mundial network, but in July, 1993 the owners sold the station to the net. However Orlando Castro, owner of the Mundial net & the Banco Progreso went bankrupt recently (one of two big bank failures in Venezuela) and the Mundial network is up for sale.

If you've logged *Radio Frontera* in San Antonio on 4761 kHz during the past week, you owe me a thank you, hi! I visited the station Tuesday morning (Jan 10). While I was talking with Senor Modesto Marchena, the owner-manager, the technician dropped by. The station had not been on SW for some time, but Don Modesto told him to go out to the plant and turn it on. He left and called back about fifteen minutes later saying he had done this. This was about 1600 UTC, so propagationally impossible at a distance. However, I did note them on the air two subsequent mornings around 1100 UTC and one evening as well. In nearby Merida, signal strength was very strong—it lit up all the lights on my ICF-2010, but modulation was rather low which made the audio a bit difficult to listen to. Don Modesto is a wonderfully friendly man. While I was there he called his home and had his son bring a present to the station for me—four clear-glass glasses with the *Radio Frontera* logo on them!

Otherwise, *Ecos del Torbes* 4980, *Radio Tachira* 4830, and *Radio Valera* 4840 are all active, indeed, easy to hear here in North America. I visited all of them. The SWs for each have been a bit irregular and on a reduced schedule to save money. Venezuela is going through some economic hard times and stations want to save on electricity. (15-Jan-94/Don Moore-IA/Internet)

VIETNAM *Voice of Vietnam* new to North America at 0400, 0430, 0500 and 0530 on the frequency of 5940 kHz. (BBCM)

Regional outlets noted:

4806.9 *Son La* (t) //6329v. This one unstable, drifts sound. (24Dec/Hans Johnson)

5596v *Lao Cai* (t) strange vocals and talk. Still cannot find 6700v //. (24-Dec/Hans Johnson)

6552.8 *Cao Bang* (t) 1212 talk by woman. (24-Dec/Hans Johnson)

ZAIRE 6548.8, *Radio Bukavu* was tentatively noted here at 0458 with upbeat music and M in French. Heard again on 4 January at 0401 but went off and never returned. Harmonic of 3274?? (Hans Johnson/JihadDX #15)

PIRATES-EUROPE *Jolly Roger Radio* presumed to be the one heard on 6234.5 at 0851-0931 with a very weak signal, starting out with dance mx and then switching over to C&W. No ID but format and sound effects suggest this station from past experience. (18-Dec-94/Jean Burnell—Newfoundland/NU #1304).

Radio Mariquita, the Italian "pirate" is now on 3924, noted with good signals in Germany. They use a home made transmitter fed into a half-wave dipole. Their temporary address is: c/o G.A.M.T., Box 3, Succursale 10, I-31100 Treviso, Italy. (Rainer Brandt-Germany) This may be possible in the USA, as they're active until at least 2300 most evenings. (Lobdell).

PIRATES-DOMESTIC This month we profile *KICK* "KICKing Rock 'N Roll", a new station that first appeared in the late summer of 1994. Pete Moss, the station's operator, plays mostly heavy metal rock with a few classic cuts thrown in for good measure. If you hear a broadcast from *KICK*, you can write for their attractive "Memorex QSL" to Box 605, Huntsville, AL 35804.

Many stations took part in "Pirate Insanity 1995," a broadcast marathon that started around 2200 UTC on December 31st and ran to about 0630 UTC on January 1st. Propagation was good, with such stations as WREC, Tangerine Radio, Radio USA, Radio Airplane, K2000 and Radio Doomsday heard as far as California. The main frequency used was 6955, with 7415 used from 0200 to 0400. A special poster will be issued for those participating. (Lobdell)

Current popular pirate frequencies in the U.S.: 6955, 7375, 7415, 7445 and 7470 kHz. (Lobdell)

PIRATES-OCEANIA KIWI, the New Zealand based pirate, was heard on the east coast of North America and also in Germany on January 7th on the frequency of 7445 kHz USB from 0700-0800 UTC. Address: Graham Barclay, Box 2174, Napier, Onekawa, Napier, New Zealand. (Lobdell)

PIRATE RELAYS Some well-known "pirate" or "free radio" stations from various continents are now broadcasting legally via *Radio Copan International*. *Radio Marabu* from Germany is heard Fridays at 2100-2200 UTC. *Southern Music Radio* from New Zealand is broadcast Saturdays at 2000-2100, beginning Jan. 28. And *Radio Albatross International* from the United States is on Sundays at 2100-2200 UTC, beginning Feb. 5—all on 15675 kHz. (17-Jan/Jeff White/Dan Ferguson/CompuServe)

Short Wave Radio (SWR) Switzerland is a non-profit association whose basic aim is to "encourage free radio programming on Shortwave, and help small radio programmers to air through official, high power, legal stations". Since February 1994, *SWR Switzerland* has been airing Free Radio programs over *IRRS-Shortwave* from Milano, Italy. *SWR* broadcasts every Saturday from 1200-1400 via *IRRS-Shortwave* to Europe, with repeats of the previous week's programs at 0830-1930 and 1400-1500.

4 Feb	1200-1300 SWR Switzerland (tba) 1300-1330 Radio Hoch-Weisel Int'l, Germany 1330-1400 Party Radio, Germany
11 Feb	1200-1300 Radio Recharge Int'l, England 1300-1400 Free Radio Info, Germany
18 Feb	1200-1400 Free Radio Service Holland, NL
25 Feb	1200-1300 Radio Stardust, Germany 1300-1400 Radio Pamela, England
4 March	1200-1400 Radio Sparks, Switzerland
11 March	1200-1400 Radio Marabu, Germany
18 March	1200-1300 Radio Joystick, Germany 1300-1400 SWR Switzerland (tba)

(16-Jan/Alfredo Cotroneo—Italy)

RAMADAN The Islamic Holy Month of Ramadan will have begun (on Jan 31 or Feb 1) by time this issue reaches you. During this period, stations from predominately

Muslim countries operate on special or extended schedules. During the last 10 days of the lunar month there may be further special broadcasts to cover the Qiam prayers which are performed between midnight and 2 AM local time. Every year Ramadan starts around 12 days earlier than the year before, so in 1996 it will begin around Jan 20th. (Mohammed F. Hadi/Internet/Dan Ferguson/CompuServe) In ECNA, this opens up possibilities for unusual loggings in the late afternoon/early evening period from certain countries in Africa, as well as the Middle East. For DXers in the Mid-West and WCNA, the morning listening period can yield unusual or once-a-year reception possibilities, especially from Indonesia on the Tropical Bands. (David Clark/DX ONTARIO "World Radio Report")

COVER THAT BALD SPOT *WRMI* caps (baseball-style hats) with the station logo in blue are now available by mail-order worldwide for US\$10.00. Write to *WRMI*, P.O. Box 526852, Miami, Florida 33152 USA. (17-Jan/Jeff White/Dan Ferguson/CompuServe)

AND MANY OF OUR ENEMIES HAVE BEEN MAKING STATIC TOO!! *Radio Yugoslavia's* director, Nikola Ivanovic, has been publicly complaining lately because—ready for this?—other stations are using its frequencies. "It is symptomatic," Ivanovic says, "that the airwaves were not as polluted by interference until two or three months ago. It was precisely when the international community began hinting at a policy U-turn towards our country that our shortwave frequencies suddenly became attractive to Deutsche Welle, Radio Tirana, Radio Moscow, Adventist [World] Radio, Radio France Internationale, etc." (BBCM) That's right, Nikola. And "Picket Fences" was created by opposition forces to keep millions of Americans from listening to your Friday night broadcast.—AQ

Many, many thanks to all of this month's contributors, far and wide!

SW

QSL Reports

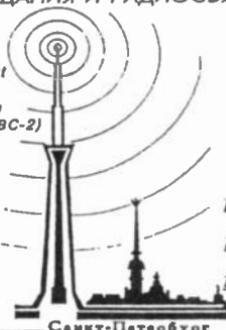
Sam Barlo
47 Prospect Place
Bristol, CT 06010



ГОСУДАРСТВЕННОЕ ПРЕДПРИЯТИЕ
РАДИОВЕЩАНИЯ И РАДИОСВЯЗИ № 2

PLEASE NOTE: I am very sorry that there was no QSL Column in the January bulletin. The column was typed and mailed around the 12th of December in a \$2.90 Priority Mail envelope. I guess that wasn't priority enough. Hope this rate hike will alleviate this type of situation from happening again! I did not make a copy of your reports for the January issue. If you have a copy send them in and we'll get them printed as soon as possible.....Sam.

State Broadcast
Radio
Communication
Company-2 (SBC-2)



Санкт-Петербург

ABU DHABI: Radio UAE 9700 p/d cd. w/ f/d ltr. in 107 ds. (Welsh-MO).
ANTIGUA: Deutsche Welle 6040 n/d cd. w/ schedule in 103 ds. (Hardester-NC). same in 145 ds. (Palmersheim)
ADMIRALTY ISLANDS: Radio Marine 3315 ltr. in 58 ds. for \$1.00 and a taped rpt. v/s John P. Mandrakam, Acting Provincial Program Manager. (Comeau-MA)...000
ARGENTINA: RAE 11710 f/d cd. w/ personal ltr. in 176

ds. v/s Rodrigo Calderan. (Humenyk-ONT).

ARMENIA: Radio Mitternachtsruf 11790 f/d "Logo" cd. in 2 wks. v/s Jonathan Maigo. My reply was from Postfach 290, Eichholzstrasse 38, CH-8330 Pfaffikon, Switzerland. (Berg-MA). 15400 f/d white and green cd. in 13 ds. via the Swiss addy. (Kusalik-ALB).

ASCENSION ISLAND: BEC 21660 f/d ltr. w/ info. sheet in only 717 ds. (MacHarg). **RAI** 11765 via BEC f/d "Torino Structures" cd. in 147 ds. (Humenyk).

ASIATIC RUSSIA: Radio Nederland 9810 via **Irkutsk** f/d

* "CIS Sites" cd. in 35 ds. (Mann-NE). **Far East**

Christian Radio 9560 via **FREC** f/d "Lenin Street"

cd. w/ site (**Khabarovsk**) in 2 mo. after 2 f/up rpts

and a phone call. v/s Mr. Jim Ross. (Kusalik-ALB).

6145 f/d ltr. in 6 ds. for \$1.00. Addr: 15700 Imperial Hwy., Box 1, La Mirada, CA

* 90637-0001. v/s Eric F. Parsons. (Buer-FL). **VOA Novosibirsk** 11990 f/d cd. in 28 ds.

(Humenyk). 15550 via **Petropavlovsk** f/d cd. in 20 ds. w/ pennant. (Humenyk). **Deutsche**

Welle 7380 via **Irkutsk** cd. in 9 mo. (Field-MI). **AMR-Europe** 11855 via **Novosibirsk** f/d

"Morse Code" cd. w/ schedule in 69 ds. (Humenyk).

AUSTRALIA: Radio Australia 17750 f/d ltr. w/ schedule and info. sheet in 71 ds. (Shepard-CT). 9860 f/d ltr. w/ schedule in 88 ds. (Grant-NC). **VLSK** 2485 via **Katherine** f/d "ABC

* Map" cd. in 356 ds. for \$1.00. Sticker and schedule rcvd. (Comeau-MA). **Australian De-**

ference Forces Radio 8743 via **Exmouth** f/d ltr. in 94 ds. for 1 IRC. v/s Adam Iffland,

FREC RADIO INTERNATIONAL - "THE SOUND ALTERNATIVE" Presenter. (Palmersheim-MA).

AUSTRIA: Radio Austria International 9880

f/d "Austrian Challenge" cd. w/ sticker

and schedule in 58 ds. (Humenyk-ONT)

9655 f/d ltr. w/ sked. in 16 ds. (Grant)

Samuel Barlo - Bristol, CT

Confirming your Report on **DZF-5** Eng. 7300

11690 MHz 25.66 Meters

Date "94-09-25" Time Sun. 1027Z

QSL Secretary **Tom Tweedell**

REC-47 Prospect Place, Bristol, CT 06010 Int: 2x2 current 7011

FAR EAST BROADCASTING CO., INC. (501) 320-

BOX 1 - VALENZUELA - METRO MANILA - PHILIPPINES

S. Th. Road, Bulacan 120157 E 14°43'N

BRUTAN: Bhutan Broadcasting Service

5030 f/d prepared cd. in 8 ds. for a

rpt. to the Permanent Mission to the

UN. (D'Angelo-PA).

BOLIVIA: Radio Fides 4845 p/d ltr. in 3

mo. for a SP rpt. and ms. v/s Felicia

de Rojas, Secretaria. (Rausch).

Radio Metropolitana 6195 f/d 2 page

ltr. w/ beautiful pennant in 10 mo.

for a SP rpt. and 1 IRC. v/s Carlos

Palencue Aviles, President (Flynn-OR)....more to follow...Sam.

RADIO EXTERIOR DE ESPAÑA
Ree
 50 ANOS EN LAS
 ONDAS DEL MUNDO

f/d cd. w/ ltr., sked., pennant and postcards in 322 ds. for a SP rpt. and \$1.00. (Klinck).

Radio San Miguel 4925 f/d cd. w/ personal ltr. in 28 ds. for EG rpt. v/s Felix A. Rada Q., Director. (Hume nyk).

BONAIRE: Radio Nederland 6020 f/d cd. in 58 ds. (Thompson-NY). 17605 f/d "Arctic Gold Flowers" cd. w/ stickers in 67 ds. (Humenyk).

BRASIL: Radio Bras 15445 f/d cd. in 50 ds. w/ sked. and stickers for \$1.00. (Dacus-ARK). f/d cd. w/ sked. in 60 ds. (Galvano-NY).

Radio Brasil Central 4985 f/d folder in 21 ds. after a f/up rpt. in PT for \$1.00. v/s Ney R. Fernandes. (Paszkievicz). f/d cd.

NOTES: Old standby **Jerry Klinck** had a monster headcold over the holidays. I had one too but I had to sleep with mine each night!

Wendel Craighead sent in some very nice photocopies for the OSL Column. Thank you...we used a few of them...Sam. **Mike Hardester** says that future contributions may be a bit slow as he will be returning to college to work on another degree. This one is a B.S. in

Computer Information Systems. He will now be able to unformat an accidentally formatted hard drive. Hi! I recently located my on-off switch...Sam. **Armanda Glockner** is a new member from Allentown, PA. Thanks for the reports. Send in a few new ones as time permits...Sam.

w/ ltr. and stickers in 20 ds. for a taped rpt. and \$1.00. (Klinck). **Radiodifusora Maranhao** 4755 f/d form ltr. in 6 mo. for a PT rpt. w/ ms. v/s Jose de Arimatela Araujo, Director. (Sgrulletta-NY). **Radio Gazeta** 15325 n/d ltr. in 19 ds. for a PT rpt. and \$1.00. (Paszkievicz). **Radio Rural Santarem** 4765 n/d ltr. in 26 ds for \$1.00 and a PT rpt. v/s Joao Elias B. Bentes. (Paszkievicz). **Radio Cultural Campos** 4955 sent me a "60th Anniversary" book in which they printed my rpt. (Paszkievicz). **Radio Inconfidencia** 6010 p/d cd. w/ sticker in 35 ds. for a PT rpt. and \$1.00. v/s Eugenio Silva. (Paszkievicz).

BULGARIA: Radio Bulgaria 9700 via **Sofia** and 11720 via **Plovdiv** f/d cd. in 91 ds. (D'Angelo). 9700 f/d "Karlovo House" cd. w/ sked. in 68 ds. (Levison). f/d cd. w/ sked. in 34 wks. for 2 IRCs. (Thompson-NY). f/d cd. w/ pennant and stickers in 3

CANADA: RCI 5960 and 9755 f/d cd. w/ sked. and sticker in 22 ds. mo. (Glockner-PA). (Grant). 5960 f/d cd. w/ sked., sticker and pin in 15 ds. (Glockner). 13690 f/d cd. in 14 ds. w/ pennant, sticker and sked. (Palmerheim-WA). 6120 f/d cd. w/ sticker & schedule in 12 ds. (Griffin). **Radio Korea International** cd. w/ schedule in 54 ds. (Grant-NC). **Radio Japan** 6120 f/d "Summer Festival" cd. w/ sked. in 37 ds. (Grant-NC) **CFRX** 6070 f/d "Logo" cd. w/ schedule in 13 ds. (Grant).

Radio in motion
 via
 Craighead

21, Pyntarshaya
 Moscow 111326, Russia
 tel: 333-7901
 fax: 230-2020
 telex: 411126 Radm

STAMPS OR THAILAND via Craighead



Radio Thailand

CHINA, PEOPLES REP. OF: BPM 10000 f/d cd. in 4 mo. for a taped rpt. and 2 IRCs. v/s Zhong Sheng-gui. (Compton-Singapore). **ORI** 11680 f/d "Olive Branch/Globe" cd. in 18 mo. w/ paper cuts and stickers. (Field-MI). 11715 f/d cd. in 35 ds. (Levison-PA). 9855 f/d cd. w/ schedule in 76 ds. for 1 IRC. (Yamada-NM). 11680 2 f/d cds. in 44 ds. Also rcvd. papercuts. (Griffin)

CLANDESTINE: National Radio of Saharawi Arab Democratic Rep. 11520 p/d ltr. in 34 ds. v/s Sneiba Lehbib who states that the station transmits from refugee camps in southwest Algeria. (Palmerheim-WA).



CLANDESTINE: La Voz de la Fundacion 7315 and 9495 via WRRI f/d ltr. in 1810 ds. (D'Angelo-PA).

COLOMBIA: Caracol Colombia 5075 f/d "Bogota" cd. w/ sticker in 38 ds. for a SP rpt. and \$1.00. (Dybka).

COSTA RICA: UN Radio 7385 via RPEI f/d "Logo" cd. w/ sked. in 58 ds. (Grant-NC). Adventist World

Radio 9725 f/d cd. w/ stickers, newsletter, sked., calendar and stamps w/ personal ltr. in 1 1/2 mo. (Glockner-PA). 5030 same in 54 ds. (Grant). Radio

Reloj 6005.5 f/d cd. in 33 ds. for a taped rpt. and \$1.00. v/s Francisco Barahona Gomez. (Yamada-NM).

Radio For Peace International 15030 f/d cd. w/ station info. in 53 ds. for \$1.00. (Shepard-CT). 7385 f/d cd. w/ sked. in 44 ds. v/s James Latham. (Berish). f/d employee photo cd. in 33 ds. (Grant) same in 1 mo. for \$1.00. (Griffin-IA). 9400 and

15030 very nice blue "Certificate" for reception of their 7th Anniversary of "Fiesta * On The Air" program. in 2 mo. (Berg-MA). Radio Universidad 6105 prepared cd. in 10 mo. after a f/up rpt. in SP. Rcvd. schedule and sticker. (Kusalik).

CUBA: Radio Habana f/d "LeninPark" cd. in 145 ds. Looks like it was left over from the era of the 60s. (Welsh-MO)....It was!...Sam.

CZECH REP: Radio Prague 7345, 9485 and 11990 f/d "Protected Fauna" cd. w/ stickers and schedule w/ club info. ltr. in 41 ds. (Grant-NC).

ECUADOR: ECUR 9745 f/d cd. in 1 mo. (Thompson-NY). f/d "Colonial Quito" cd. in 58 ds. for \$1.00. Schedule and stickers rcvd. (Palmer-HA).

f/d cd. in 13 ds. (Weissborn). f/d cd. w/ stickers in 1 1/2 mo. for 1 IRC. (Glockner-PA). f/d "Otavalo

NOTES: Mike Hardester has received a few AM and utility QSLs and only one shortwave QSL in the past month. Guess you have to DX and write reports to get replies. Think so.

Dave Grant wishes everyone a very Merry Christmas. Thanks for the reports...Sam.

Jennifer Griffin uses a DX-375 as her main receiver. She is moving from her apartment into a house in the next few months. Hopefully this will improve her reception conditions.



Market" cd. in 6 wks. (Weissborn). 21455 f/d cd. in 3 1/2 mo. for a taped rpt. 1500 watts. v/s

Rich McVicar. (Rausch-NJ). 11700 f/d cd. via E-mail in 119 ds. (D'Angelo-PA). Radio Centro 3289.8 f/d prepared cd. w/ ltr. and stickers in 36 ds. for a SP rpt., tape and \$1.00. (Klinck-NY).

RPEI 5010 f/d prepared cd. w/ personal ltr. and stickers in 34 ds. for a SP rpt. and \$1.00. (Klinck-NY).

IRELAND: YOB 6040 f/d cd. in 1 mo. (Galgano).

THE VOICE OF ETHIOPIA
Mr. Jerry Klinck,
Ethio Q.S.L card confirms that
you were listening to the Voice of
Ethiopian on :

DATE Mar. 20/94 from 14113 to 14130 GMT
Mb _____ KHz 9560

Thank you for your interest

AUDIENCE RELATIONS DEPT.

ETHIOPIA: Radio Amahoro 9560 n/d * ltr. in 2 wks. for a taped rpt. and \$2.00. v/s Tatién Musabyimana, Director and Guy Theunis, Delegate Administrator. (Rausch). same in 26 ds. w/ form ltr. and sticker. (D'Angelo). Voice of Ethiopia 9560 f/d cd. w/ sked. & sticker in 249 ds. for \$1.00. (Klinck-NY).

EUROPEAN RUSSIA: Radio Moscow International 5905 via Kaliningrad f/d cd. in 6 wks. via GPR-2 for 2 IRCs. (Craighead). Colos Rossi 12035 via St. Petersburg (Popovka) f/d cd. in 4 mo. for 2 IRCs. (Craighead). Radio Moscow 15140 via St. Petersburg f/d cd. in 2 mo. via GPR-2 (Craighead).

QSL

RADIO STELLA INTERNATIONAL

Date: 1-5-94

Time: 23:7 - 23:26 U.T.C.

Freq: 7413 KHz via NARS

Watts: 50

Correct reception report from

SAMUEL BARRO
Bristol CT
U.S.A.

Verified by

John Wilson

Jack Wilson
Station Manager



Scottish Free Radio on shortwave.

25 ds. w/ schedule. (Palmerheim-WA). Radio Japan 11785 via Moyabi f/d cd. in 50 ds. (Placanica-IT). RTV Gabonaise 4777 f/d ltr. in 45 ds. for \$1.00. v/s Andre Renombo. (Paszkievicz).

GERMANY: Deutsche Welle f/d cd. in 1 mo. (Humenyk). n/d cd. in 1 mo. (Humenyk-ONT).

GREECE: Voice of Greece n/d "Mistras" cd. w/ schedule in 1 mo. (Grant-NC).

GUATEMALA: La Voz de Nahuala 3360 p/d ltr. in 47 ds. for a SP rpt. and \$1.00. v/s Manuel Esquipulas Carrillo Tzep. (Paszkievicz). Radio Maya de Barillas 3324.8 f/d cd. w/ ltr. and pennant in 54 ds. for a SP rpt., tape and ms. (Klinck-NY). TGNA Radio Cultura 3300 p/d cd. w/ ltr. and station info. in 72 ds. (Galgano-NY). 5955 f/d personal ltr. w/ 2 f/d "Quetzal" cds. and 3 pennants in 7 mo. for \$1.00.

Radio Mayak 12065 via St. Petersburg f/d cd. in 2 mo. via GPR-2. (Craighead). China Radio International 15550 via St. Petersburg f/d cd. in 2 mo. (Craighead). VOA 15490 via Krasnodar f/d cd. in 3 mo. (Craighead). f/d cd. in 23 ds. (Humenyk-ONT). Radio Baltica 12070 2 ltrs. w/ sticker in 2 1/2 mo. (Berg-MA). Radio Moscow 11750 f/d cd. in 81 ds. (Grant-NC). FINLAND: YLE Radio Finland 15400 p/d cd. w/ stickers in 9 ds. for \$1.00. (Shepard-CT).

FRANCE: Radio France International 9800 f/d cd. in 19 ds. (Griffin). 13625 n/d cd. w/ schedule, sticker & calendar in 47 ds. (Dacus). 15530, 17575, 17620 and 17695 f/d cd. w/ schedule in 65 ds. (Grant-NC).

FRENCH GUIANA: Radio France International 13625 via Montsinery f/d cd. w/ sked. in 65 ds. (Grant-NC). same in 75 ds. for 2 IRCs. (Kusalik-ALB). f/d cd. in 124 ds. (Humenyk). Swiss Radio International 11620 via Montsinery f/d "Appenzell Shops" cd. w/ site in 25 ds. for 2 IRCs. (Kusalik). 13635 f/d cd. in 82 ds. (Humenyk). same in 1 mo. (Buer-FL).

GABON: Radio Amahoro 9590 via Moyabi n/d ltr. w/ prepared cd. in 53 ds. for \$1.00. (Kusalik). Radio France International 15325 via Moyabi f/d cd. w/ schedule in 65 ds. (Grant-NC). 12015 same in

Desde Santa Cruz de la Sierra...

via Rich D'Angelo

RADIO CENTENARIO LA NUEVA

RCN

10 años con la verdad

AM 1160 Kc

SW 4855 Kc



The delay was probably caused by mail; my cousin who lives in Guatemala City says the mail delivery is almost non-existent! (Craighead).

HAWAII: KMER 9930 f/d cd. in 64 ds. for ms. (Hardester). f/d cd. w/ schedule in 73 ds. for ms. (Yamada-NM). WVHV 5000 and 15000 f/d cd. w/ schedule in 11 ds. for ms. (Yamada).

HOLLAND: Radio Nederland 6020 f/d "Artic Gold" cd. in 49 ds. (Grant-NC). 6165 f/d "Daffodils" cd. in 52 ds. Sticker and schedule were rcvd. (Griffin-IA).

HONDURAS: Radio Internacional 4930 f/d cd. w/ stickers in 20 ds. for ms. (Mann-NE). f/d "Copan Ruins" cd. w/ sticker and schedule in 82 ds. v/s Victor Antonio (Tito) Handal, Director General. (Humenyk-ONT). 2 f/d cds. w/ 2 prepared cds. in 40 ds. for a SP rpt. and \$1.00. Also rcvd. business cd. and decal. (Kusalik). same in 63 ds. (Humenyk). FRET 4960.3 f/d prepared cd. w/ p/d ltr. and p/d "Certificado de Sintonia" in 80 ds. for \$1.00. v/s Mateo McCollum, Gerente General. (Palmerheim). paper cd. w/ ltr. in 7 wks. for a taped rpt. (Berg-MA). n/d form ltr. in 1 mo. for a SP rpt. (Field-MI). p/d ltr. w/ sked. in 65 ds. for a SP rpt., tape and ms. (Klinck).

...HOT HITS
QSL 75i
 via Kusalik
 CONFIRMING QSL TRANSMISSION...
 DATE 15-10-94 TIME 22-58-23-24 FREQ 7415 kc
 SINDO 33 2 2 TX 130w
 SIGNED: Paul Ross
 and REMOTE OF THE QSL (NEW) WE CAN GET!
 and a QSL from the above too!



Radio Roquero 15675 via **Radio Ocean International** my ltr. was returned w/ a FL postmark saying the addr. is no longer valid. (Field-MI).

HUNGARY: Radio Budapest 6025 via **Diod** and 9835 via **Jaszbereny** f/d cd. in 120 ds. (Humenyk-ONT). 6110 via **Diod** f/d "City Collection" cd. in 32 ds. (Humenyk-ONT).

ICELAND: Rikisutvarpid 13860 f/d cd. w/ schedule and ltr. in 45 ds. for 2 IRCs and a taped rpt. (Yam-INDIA: **ATR Bangalore** ada-NM).

11620 f/d "Camel Race in Jaisalmer" in 87 ds. (Humenyk). f/d

"Northern Gateway" cd. in 3 mo. after a f/up rpt. for ms. v/s A.S. Guin. (Sgrulletta). 4860 via **Delhi** f/d "Muktesvara Temple" cd. in 3 mo. after a f/up rpt. (Sgrulletta-NY). 4775 via **Ganhati** f/d "Archaeological Survey" cd. in 3 mo. (Sgrulletta). 11620 f/d cd. w/ schedule in 51 ds. (Grant-NC).

ISRAEL: Kol Israel 15640 f/d cd. w/ schedule in 20 ds. for 2 IRCs. (Yamada). 15615 f/d cd. in 107 ds. (Humenyk-ONT).

NOTES: Paul Buer says that in the December QSL Column a small correction is needed for Kaliningrad. It is located in a small enclave in the Russian Republic between Poland, Lithuania and several hundred miles from the Karelo-Finnish Republic. This area is completely separated from the main portion of the Russian Republic. I wish I did count as the Karelo as this is the only Russian "Republic" of which I do not have a QSL. Petrozavodsk refuses to verify any of my old follow up reception reports. Same here..Sam. Sorry for the error. We're so busy at this time of the year that these types of errors do slip through...Sam.

via Weinsborn

**BETHANY RELAY STATION
 VOICE OF AMERICA**

September 23, 1944
 November 14, 1994

ITALY: RAI 17780 f/d "Nude Oil" cd. in 136 ds. (Humenyk). 7235 f/d cd. in 60 ds. (Placanica). **AMR Forli** 7230 p/d ltr. in 20 ds. v/s Lina Lega. (Placanica-IT).

JAPAN: Radio Japan 11705 f/d "Sunset" cd. w/ schedule and sticker in 2 mo. (Glockner-PA) 9750 f/d "Fireworks over Kanmon Bridge" cd. w/ schedule in 37 ds. (Humenyk). 5960 f/d "Highway Interchange at Night" cd. in 35 ds. v/s H. Kawamoto (Griffin-IA)...Sackville relay? **Radio Tampa** 6055 f/d cd. w/ schedule in 11 ds. for \$1.00. (Yamada-NM).

JAVA: KRI Yogyakarta 7098 f/d prepared cd. w/ f/d ltr. in 35 ds. for an IN rpt. and ms.

KOREA, PEOPLES DEM. REP: Radio Pyongyang 11335 f/d cd. w/ 360 page book (D'Angelo). in 10 wks. (Craighead).



KOREA, REP. OF: Radio Korea 15475 f/d cd. in 30 ds. w/ schedule. (Galgano). 15575 via **Kimie** f/d "Han River" cd. w/ schedule in 145 ds. (Humenyk-ONT).

KUWAIT: Radio Kuwait 11990 f/d "POW" cd. w/ schedule and keychain in 79 ds. (Grant). same in 2 mo. for \$1.00. (Dybka-TN). in 131 ds. w/ keychain and station pen. (Humenyk-ONT).

LEBANON: King of Hope 6280 f/d "Map" cd. in 1 mo. for a taped rpt. and \$2.00. v/s Paul Johnson, Manager. (Rausch-NJ).

LIBERIA: FIMA 4760 f/d cd. in 10 mo. (Craighead).

Dear Friends, via D'Angelo

It is a great pleasure for us to write to all of you, numerous, who have send to us, a listening report - from all the parts of the World (Japan, Australia, New Zealand, Canada, USA, many European Countries - like Ukraine - and of course many African Countries)

Thanks for the precise details you have transmitted to us and for some of you, for the audio tapes, the postcards and photographs you joined to your letters

We apologize not to have been able to reply directly. As in Rwanda, the official language, beside the national one (Kinyarwanda) in which we broadcast, is French, we join to this letter copies of some documents written in French, that answer your questions.

With our best regards, we stay entirely at your disposition for any further information

Sincerely yours,

Taisen MUSAHYIMANA
Director of Radio Amahoro

Guy THEUNIS
Delegated Administrator

- MALDKU: RSPMK Dati II Maluku Tengah** 3578 f/d ltr. w/ 3 prepared cds. in 8 mo. after a * f/up rpt. in TN. v/s Toto Pramurahardjo BA, Kepala. (Kusalik).
- MEXICO: Radio Educacion** 6185 p/d "Certificado da Sintonia" cd. in 49 ds. for a SP rpt. and \$1.00. Newsltr. and sticker rcvd. (Comeau-MA). f/d cd. w/ personal note in 63 ds. for a SP rpt. and \$1.00. (Dybka-TN).
- MOLDOVA: Voice of Russia** 9550 via Kishinev f/d "Arbat Square" cd. in 48 ds. (D'Angelo-PA). **Radio Moscow** 17760 via Grigoriopol f/d "Pushkin Monument" cd. in 88 ds. (Humenyky). **Radio Nadezhda** 15340 f/d cd. in 2 mo. for \$1.00. (Craighead). **Radio Dniester International** 7105 f/d cd. w/ hand stamp in 5 mo. after a f/up rpt. (Paszkievicz).

RADIO AMAHORO



mu gitondo	31m	9790 khz
saa 12 - saa 1		(Africa n° 1)
nimugoroba	31m	9560 khz
saa 1 - saa 2		(Voice of Peace)

Matwandikire kuri "Centre Amani"

Rue du Noyer 322 - 1040 - BRUXELLES - BELGIQUE

- INTERNATIONAL** 9700 f/d cd. w/ stickers and schedule in 1 mo. for 3 IRCs. (Shepard).
- NIGER: La Voix du Sahel** 5020 p/d "Map" cd. w/ ltr. in 77 ds. for a FR rpt., tape and \$1.00. (Klinck-NY).
- NORWAY: Radio Norway International** 9655 f/d "Kolstad" cd. w/ sticker and sked. in 65 ds. (Klinck-NY).
- PAKISTAN: Radio Pakistan** 11570 p/d ltr. in 61 ds. (Grant). 11570, 7485, 15625 & 17900 f/d cd. in 1 mo. v/s Syed Abrar Hussain. (Placanica).
- PALAU: RHEM** 9915 f/d cd. in 120 ds. (Placanica).
- PAPUA NEW GUINEA: Radio Western** 3305 f/d "Map" cd. w/ ltr. in 1 mo. for a taped rpt. (Berg-MA).
- PARAGUAY: Radio Nacional del Paraguay** 9735 ltr. w/ tourist info. in 128 ds. for a SP rpt. (MacHarg). 11934.8 ltr. in 7 mo. for a taped rpt. v/s Ramon Gimenez B., Director. (Berg-MA).
- PERU: Radio Satellite** 6726 f/d cd. w/ ltr. in 26 ds. for a SP rpt. and \$1.00. v/s Sabino Llamas Chavez. (Paszkievicz). **Radio Melodia** 5995 f/d form ltr. w/ pennant in 1 mo. after a f/up rpt. in SP. (Field-MI). 5995.2 p/d form ltr. w/ stickers and pennant in 20 ds. (MacHarg).



Dear Mr. Weissberger,

We are glad to verify your reception report on our program transmitted on 96.90 MHz at 03:00 hours - 04:00 hours UTC dated Nov. 12, 1994

Your further reception reports on our broadcasts are welcome.

LITHUANIA: Radio Vilnius 9530 f/d cd. in 5 wks. (Barto-CT).

MALAGASY REP: Radio Nederland 9860 f/d "Daffodil" cd. in 26 ds. (Frodge-MI). 7285 f/d "Solar Eclipse" cd. in 113 ds. (Humenyky). 11655 f/d cd. in 34 ds. w/ sked. (Palmerheim-WA).

MALAYSIA: Voice of Malaysia 6100 f/d "Fest 89" cd. in 6 mo. w/ sticker and calendar. v/s Hajjah Wan Chik Othman. (Palmerheim-WA).

MALI: China Radio International 15110 and 11715 f/d "Dove" cd. w/ stickers and schedule in 32 ds. Paper cuts were rcvd. (Grant-NC).

MALTA: Voice of the Mediterranean 11925 f/d cd. in 30 ds. w/ newsltr. (Placanica-IT). f/d cd. in 24 ds. for 1 IRC. (Shepard-CT).

MOROCCO: VOA Europe/EMIC 13834 f/d "50th Anniversary" cd. in 5 mo. for ms. (Kusa-MYANMAR: **Radio Myanmar** 4725 f/d "Map/Flag" cd. w/ schedule in 2 yrs. for a rpt. sent directly to the station. (Price).

NEW GUINEA TERR: Radio Manus 3315 p/d ltr. in 2 mo. for ms. v/s John P. Mandrakamu, Acting Provincial Manager. (Rau-

NEW ZEALAND: Radio New Zealand (sch).





La Voz de la Selva f/d prepared cd. w/ personal ltr. in 56 ds. for a SP rpt. & ms. (Klinck-NY).

POLAND: Radio Warsaw 11815 f/d "Gorowo Tlavecnie" cd. w/ ltr. in 70 ds.

PORTUGAL: China Radio (Humenyk).

* **International** 9650 via **Sines** f/d cd. w/ newsltr. and stickers in 77 ds.

ROMANIA: Radio Romania (Humenyk).

International 9510 f/d "Folk Costume" cd. w/ calendar, schedule and a personal ltr. in 5 mo. (Glockner-PA). 9510, 7225 & 11940 f/d cds. in 150 ds. w/ stickers & schedule. (Humenyk). 9690 f/d cd. w/ ltr. in 65 ds. (Shepard-CT). **Radio Romania Actualitati** 7225 n/d ltr. in 40 ds. after

a f/up rpt. w/ \$1.00. v/s Serban Iliescu, Editor of the Program Dept. (Kusalik-ALB).

RUSSIA: China Radio International 9880 via **Taldon** f/d "Coconut Hair Ornament" cd. w/ pennant in 55 ds. (Humenyk). **Voice of Russia** 15425 and 17805 p/d "Kosmos Hotel" cd. in 66 ds. (Levison-PA).

SAIPAN: KBI 9425 f/d cd. in 77 ds. for 3 ms. (Yamada-NM).

SINGAPORE: Radio Singapore International 9530 n/d ltr. w/ postcard in 32 ds. v/s Mrs. Sakuntala Gupta. (Kusalik).

SLOVAKIA: Slovak Radio 5930 f/d cd. in 32 ds. (Ducas). "Map" cd. in 16 ds. for 1 IRC and \$1.00. (Newhall-CT). 9810 & 7310 via **Velke Kostoľany** f/d cd. in 2 mo. (Barto). 5930 via **Rimavska Sobata** f/d cd. w/ several different stickers in 2 mo. (Barto-CT). **NR** 15625 via **Rimavska Sobata** f/d cd. w/ pennant from the Ivory Coast addr. v/s Daniel B. Grisier, General Manager. (Craighead). 9810, 7310 and 5930 f/d cd. in 115 ds. (Humenyk-ONT).

SOUTH AFRICA: Radio 2000 4810 f/d "Logo" cd. w/ schedule in 39 ds. (Grant). **Channel Africa** 5955 f/d cd. in 107 ds. (Welsh-MO). **Deutsche Welle** 6015 f/d "40th Anniversary" cd. in 24 mo. (Field-MI). same in 6 wks. (Craighead). **Afrikaans Stereo** 4810 f/d cd. in 1 mo. (Craighead).

SPAIN: China Radio International 9690 f/d cd. w/ schedule and stickers in 32 ds. (Grant) f/d cd. in 18 ds. (Weissborn). same in 1 mo. for 1 IRC. (Weissborn). **Radio Exterior de Espana** 9540 f/d "Seville - Universal Exposition" cd. w/ schedule in 93 ds. (Humenyk).

SRI LANKA: Trans World Radio 6035 f/d cd. w/ 2 page personal ltr. v/s D.R. Halliday, South Asia Frequency Coordinator. (Craighead).

SWAZILAND: Trans World Radio 4760 rcvd. a note from the station advising me that they were not on the air when I reported them; 5 days later I rcvd. f/d cd. saying they were on the air! (Hardester-NC)

SWEDEN: Radio Sweden 11650 f/d "Royal Family" cd. in 10 ds. for 1 IRC. (Pappas-SD). 6200 f/d "Stockholm" cd. in 2 wks. w/ schedule. (Palmerheim). 13775 same cd. in 27 ds. (Humenyk). 15240 f/d "Visby" cd. in 15 ds. w/ schedule. (Grant-NC).

SWITZERLAND: Swiss Radio International 9905 f/d "Fribourg" cd. w/ sticker and schedule in 45 ds. (Griffin-IA). 6135 via **Schwarzenburg** f/d "SRI Building" cd. w/ schedule in 82 ds. (Humenyk). 9885 f/d cd. in 60 ds. (Ducas). 13635 and 15505 f/d "Appenzell" cd. w/ schedule in 33 ds. (Grant).

SYRIA: Syrian Arab Republic Broadcasting Service f/d "Globe w/ Tower" cd. in 1 yr. and 6 mo. Also rcvd. flag, sticker, schedule and a copy of the "Syrian Times" newspaper. (MacHarg).

NORTH AMERICAN PIRATE RELAY SERVICE



TO: RICHARD D'ANGELO
WYOMISSING, PA
USA

QSL# 159 PROGRAM: SECOND ANNIVERSARY SHOW
TIME: 2305 UTC DATE: 1 OCTOBER 1994
FREQ: 7415 kHz POWER: 100 WATTS

OUR MOTTO: "Excellence in Free Radio Programming".

Richard D'Angelo



RADIO SLOVAKIA INTERNATIONAL

TADZHIKISTAN: Radio Nederlands 9860 via **Dash** No. 3/1/94-E111 DIRECTORATE GENERAL ALL INDIA RADIO AKASHWANI BHAWAN, PARLIAMENT STREET, NEW DELHI-110001 INDIA



Dated the 20-9-23

Dear Sir/Madam,
We gratefully acknowledge your Reception Report and thank you for forwarding to me transmission on 4775 AMZ on 22.1.94 at 11.57 UTC
The transmission originated from our Station at **Gokshahi**

For (A.S. Gdin)
Director Frequency Control
for Director General

Reference: (1) the above mentioned transmission
(2) the above mentioned transmission
(3) the above mentioned transmission



Mr. John L. Seffler, SA

337 Bullet Hole Road

Mahopac, New York 12541

UNITED STATES OF AMERICA

TAIWAN: Voice of Free China 9610 f/d cd. in 43 ds. for \$1.00. (Comeau). 5950 f/d "Art Works by Orphans" cd. w/ schedule in 35 ds. for 1 IRC. (Chalhoub-WI).

THAILAND: Radio Thailand 15370 via **Odorn Than** f/d "Masked Play" cd. in 46 ds. for 2 IRCs. v/s Mrs. Amporn Samosorn. (Kusalik-ALB). 11845 p/d "Stamps" cd. in 6 wks. (Craighead). 11905 p/d "Lotus" cd. in 47 ds. for \$1.00. (Comeau-MA).

TOGO: Radio Togo 5047 f/d "Logo/Globe" cd. in 3 mo. for a FR rpt. and \$2.00. (Rausch-NJ).

TURKEY: Voice of Turkey 11710, 9445 and 7185 f/d cd. w/ sticker and pennant in 102 ds. (Humenyk). f/d "Rams Head" cd. w/ schedule and stickers in 38 ds. (Grant-NC). same in 24 ds. (Klinck-NY). f/d cd. w/ goodies in 96 ds. (Humenyk).

UKRAINE: Radio Ukraine 9860 and 12030 f/d folder cd. w/ schedule in 100 ds. (Hardester).
USA: VOX Bethany 17800 f/d cd. in 117 ds. (MacHarg). 9775 f/d cd. in 21 ds. (Humenyk). 15245 f/d "Sunrise" cd. in 6 mo. (Pappas-SD). **WVHA** 9855 and 15665 n/d form ltr. in 2

wks. v/s Gordon E. Simkin, Chief Engineer. (Field-MI). **WNCR** 7490 f/d cd. w/ sked. in 5 wks. v/s Tina Finlay. (Field-MI). **WGEI** 15280 f/d cd. in 89 ds. v/s Edgar F. Peebles, Professional Engr. (Humenyk). **WEMM** 13615 f/d cd. w/ ltr. and schedule in 17 ds. v/s Gary Gagnon. (Griffin). **WENO** 15420 p/d "Rush Limbaugh" cd. in 31 ds. (Galgano-NY). p/d signed Willie Nelson cd. in 34 ds. for SASE. (Shepard-CT). **WERI** 7315 f/d cd. in 38 ds. (Weissborn).



NRC since 1933

QSL



To: HENRY WEISSBORN

This will verify your reception of the National Radio Club program AM INTERLUDE on date 11/20/94 at 0123-0130 UTC on 9745 kHz over radio HCJR Quita, Ecuador
Thanks for your report.

URUGUAY: Radio Oriental 11735 * f/d prepared cd. w/ p/d ltr. and schedule in 25 ds. for a taped rpt. and \$1.00. v/s Deborah Ibarra. (Yamada-NM).

UZBEKISTAN: Voice of Russia 9600 via **Tashkent** f/d "Arbat Square" cd. in 48 ds. (D'Angelo). **VATICAN: Radio Vaticana** 7305 f/d cd. in 64 ds. (Shepard-CT).

VENEZUELA: XPTD 5000 p/d cd. in 187 ds. (Welsh-MO).

VIETNAM: Voice of Vietnam 9840 f/d cd. in 60 ds. for \$1.00. (Yamada-NM). **Hoang Lien Son**

* **Broadcasting Station** 6600.1 f/d "Lo lo" cd. w/ site in 82 ds. via Hanoi after a f/up rpt. Pennant and sticker rcvd. (Palmerheim-WA).

YUGOSLAVIA: Radio Yugoslavia 9620 f/d cd. w/ sticker and pennant in 35 ds. for \$1.00. (Shepard-CT)

* **ZAMBIA: Christian Voice** 6065 f/d * FAX rcvd. in 4 ds. for my FAXed rpt. v/s Andrew Flynn. (Rausch).

PLEASE NOTE: Do not send in your last months reports. Bill received my QSL Column 1 month after it was mailed via 2 day PRIORITY! I'll get the rest of the reports in next month. Speaking of the USPO, I hope this 3 cent raise helps out. Does anyone have a used AK-47 for sale?

RADIO Satelite F.I.R.I.T.D.A.
P.O. BOX 21, 4780 012
J. Cule Nº 543 - Prov. Santa Cruz - Cajamarca - Perú
CENTRO DE SINTONIA
la Empresa RADIO SATELITE Certifico que
se ha captado nuestra señal de transmisión en 11.56
el día 17/08/94 desde 14:52 a 19:07 horas de Perú.
Santa Cruz, 24 de Agosto de 1994.
GRACIAS
SABINIS LAMARCA Y Z. LA REPTA

Contributors' Page

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

LOGGINGS CONTRIBUTORS - February 1995 - DEADLINE 10th of MONTH

The following members contributed loggings:

Brian ALEXANDER , Mechanicsburg , PA NRD 535D Vs Longwires
Jerry BERG , Lexington , MA R8 R390A HQ180A 150' LW
William BROWN, Independence, MO R8
Ross COMEAU, Andover, MA
Richard D'ANGELO, Wyomissing, PA R8 FL3 AD Sloper Farley Loop
William DAVENPORT, Nashville, TN DX380 ICF7601 AN1
Jim DUCARME, South Hadley, MA ICF-7600G Datong FL3 41' MLB antenna
Jill DYBKA, Nashville, TN DX440 45' wire
Marlin FIELD, Hillsdale, MI NRD535D Eavesdropper
Bill FLYNN, Cave Junction, OR R8 R7A 500' loop 83' Dipole
Harold FRODGE, Midland, MI R71A MFJ956 80' & 185' RW's
Harold FRODGE, Brighton, MI R71A MFJ956 500' RW's
Tom HALL, Sebastopol, CA R5000 MFJ Versatuner Dipoles V's LW's
Jerry JOHNSTON, Lexington, KY NRD525 SP600 R390 LW's Sloper Eavesdropper
Rufus JORDAN, Pittsburgh, PA DX302 Transoceanic indoor wire
Marv KAMINSKY, Flanders, NJ NRD535D Random Wire
Jerry KLINCK, West Seneca, NY 2 R8's HQ180 80' LW Dipoles
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Don MOORE, Davenport, IA R8 2 400' mini-beverages
Ed NEWBURY, Bridgeport, NE R8 R5000 70' Windom
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Betsy K. ROBINSON, Clinton, TN Sony 2010 Indoor Telescopic Antenna
Mike RYAN, Bangkok, THAILAND 2 Sony 2001DS's
Giovanna SERRA, Rome, ITALY NRD525 AD Sloper
Todd SMITH, Norwalk, CT SW60
Jim STREITMATTER, Elkhart, IN R8 2 270' Delta Loops
Nick TERRENCE, Huntington, NY R8 LW's
Jack THOMPSON, New York, NY Grundig YB400 ICF SW33
David WILLIAMS, Astoria, OR

Hello everyone. We are still experiencing postal problems between Loggings HQ here on the east coast, and our International Band editor Wally, on the west coast. The logs DID make it this time after a twelve day journey! I'm getting the impression that any envelopes larger than the standard business size gets tossed into the 5th class pile, regardless of the amount of postage paid. A business size envelope of late loggings mailed 2 days after the large main mailing arrived in Seattle 3 days before the one mailed first! I'm going to try to get the bulk of the logs out on the 10th of the month, so don't be left out, MAIL EARLY! ... I hope to see lots of members at the Winter SWL Fest in Kulpsville PA next month. Its "THE" Shortwave event of the year! 73's

Tropical Band Loggings

2000-5900 kHz

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



- PLEASE NOTE MY NEW ADDRESS: SHERYL PASZKIEWICZ, PO BOX 152,
MANITOWOC, WI 54221-0152.
- *2200h SAN ANDRES LV de las Islas 12/12 0315 trop mx, IDs, not noted
in morns, 1100x2 altho listed as 1110 (Moore-IA)
 - 2310 AUSTRALIA VL8A 12/26 1235 EG nx reports //2325 (Newbury-NE)
 - 2325 AUSTRALIA VL8T 12/26 1245 EG nx rpts //others (Newbury-NE)
 - 2390t MEXICO Huayacocotla 12/26 1250 SP tkl, poor (Newbury-NE)
 - 2460p BRAZIL Alvorada 1/4 0020 rapid tkl, mx fading (Brown-MO) 12/30
0418 MOR, pops, no break 0500 only 0430 (Frodge-MI) 12/4 0237
Brasopop, anmts, fair (Moore-IA)
 - 2850 N KOREA KCBS 1/18 1056 opera, 1100 ID, TP (Robertson-CA)
 - 3223 INDIA AIR Shimla tent 12/9 1510 ment Shimla, nx (Williams-OR)
 - 3250 HONDURAS Luz y Vida 12/10 0110 tkl, mx ad string (Davenport-TN)
 - 3255 LESOTHO BBC 11/26 0300 EG nx, ID //5975 (Newbury-NE) 12/26 0317
football, nx (Comeau-MA)
 - 3260 ECUADOR Estereo Carrizal 11/27 0237 ballads, IDs, no ads(Moore)
 - 3270 NAMIBIA NBC 12/16 0400 EG ID Nx at 6, wx, ads (Ducharme-MA)
 - 3280 ECUADOR LV del Napo 12/24 0230 LA & Andean mx (Newbury-NE)
 - 3289.9 NAMIBIA NBC 12/16 0415 EG nx, ID //3270 tho not every nite
(Alexander-PA) 12/7 2235 EG IDs, variety mx (Klinck-NY)
 - 3290 ECUADOR R Centro 12/4 1042 campesino mx, cmtry (Frodge-MI2)
 - 3295 INDIA Jaipur 12/22 *1430 ad for Castor Oil, Hindi pgms, EG
nx from Delhi 1530 (Ryan-THAILAND)
 - 3300 GUATEMALA Cultural 12/3 1200 SP tkl, Gospel mx (Newbury-NE)
 - 3305 UNID 12/27 0300 mx pgm, EG anncr, poor (Levison-PA) See below
 - 3306 ZIMBABWE ZBC 12/15 0346 tent chorus, tkl, poor (Flynn-OR) 12/3
0327 Afropop, EG TC (Frodge-MI2) 12/14 0305 EG/lang Afropop
ads, one for kids snack, IDs (Klinck-NY) 12/10 *0256 EG/lang
OC, NA, rel tkl, ID, pops, TCs (D'Angelo-PA)
 - 3325 GUATEMALA Maya 1/3 1200 ID, sing Libertad, prayers(Robinson-TN)
12/4 1047 Esta es R Maya, Xmas & campesino mx (Frodge-MI2)
12/3 1206 choral, Xmas mx, marimbas, IDs, fair (Newbury-NE)
 - 3326 NIGERIA RN 1/4 fair w/nx summary (Brown-MO) Time?
 - 3360 GUATEMALA LV de Nahuala 12/3 1220 prayer, rel mx (Newbury-NE)
12/10 1126 lang variety mx, IDs, ads, anmts (Klinck-NY) tent on
12/10 0120 mx, ad string (Davenport-TN)
 - 3366 GHANA GBC 1/15 0002 EG Nx from GBC, jazz (Streitmatter-IN)
12/2 2304 all disco (Frodge-MI2) 12/7 2240 EG rel pgm, ID
(Klinck-NY)
 - 3370 GUATEMALA Tezulutlan 12/10 0136 //4835 tkl marimbas (Davenport)
 - 3374.9t BRAZIL R Clube 12/17 0526 Brasopop, ads (Flynn-OR)
 - 3375t BRAZIL RN 12/3 0333 PT mx, RN ID 0400, nx (Frodge-MI2)or Angola
 - 3380 GUATEMALA Chortis 1/9 1200 ID, ballads, bird sounds (Robinson)
12/4 1103 IDs, marimbas, pgm notes, bad tape IDs (Frodge-MI2)
12/10 0131 nx pgm (Davenport-TN)
 - 3380.7 MALAWI MBC 12/11 *0251 cock crow/drum IS, tkl, Afr mx (Alex.)
12/26 0349 hilife You're listening to MBC, drums (Comeau-MA)
 - 3395 UNID 12/27 0320 mx, EG YL (Levison-PA) Probably Zimbabwe
 - 3396 ZIMBABWE ZBC 12/9 *0256 Radio 3, Wake up Zimbabwe, rel (D'Ang.)
1/2 0345 EG ment record "to be released here in Zimbabwe"
(Comeau-MA)
 - 3481 CLAND Vo Natl Salvation 12/9 2144 KR vcls, long tkl, poss ID
2101, fair (D'Angelo-PA)
 - 3925 JAPAN Tampa 12/4 1117 JP rock mx pgm, poor (Frodge-MI2) 1/18
1105 JP quake nx, cmtry, ID, class mx (Robertson-CA)
 - 3945 JAPAN R Tampa 1/18 1114 JP quake nx.. ID not //3925 (Robertson)
 - 3964.7 FRANCE RFI 12/10 0134 FR tkl, ute QRM //5945 (Maywoods-KY)
 - 4010 HUNGARY Budapest pgm 12/17 to 2157* IS //7220 (Berg-MA)
 - 4300 PERU 12/17 0155 mx pgm, Naranjos or Naylamp? (Field-MI)

4472 BOLIVIA Movima 12/17 1010 carnival mx, Santa Ana, TC (Moore-IA)
 12/23 to 0335* anmts, ballads, CP mx, ID (Alexander-PA)
 4484.4 PERU LV Celandin tent 1/7 0026 huaynos, echo ads (Brown-MO)
 tent 12/1 0312 mx pgm (Field-MI)
 4549.5 BOLIVIA R Tropic 12/23 0354* anmts, LA mx, chatter (Alexander)
 12/8 1006 SP mx, anmts, IDs (Klinck-NY) 12/9 0950 rustic vcIs
 OM anncr, poor (D'Angelo-PA)
 4600 BOLIVIA R Perla del Acre 12/23 0259* anmts, mx, weak(Alexander)
 12/9 1003 long tIk, TCs, IDs, vcIs, fair (D'Angelo-PA)
 4635 TAJIKISTAN TR tent 11/30 0135 ME mx, OM host (Flynn-OR)
 4649 BOLIVIA R Santa Ana 12/25 0508* rancheros, ID, tIk (Alexander)
 4712.5v BOLIVIA R Abaroa 12/17 0952 ballads, echo anmts ID ads (Alex.)
 4725 MYANMAR Vo Myanmar 1/7 1318 lang tIk & pops (Brown-MO)
 4755 BRAZIL R Educ Rural 12/15 0230 MOR mx, Carpenters, 0258
 ID to 0259* (Hall-CA) 1/8 0707 pops, phone tIk, ID (Lamb-NY)
 4760 ANDAMAN Port Blair tent 12/19 1620 SC, Andaman (Williams-OR)
 12/11 1215 SC mx, TP EG nx (Maywoods-KY)
 4760 CHINA Yunnan PBS 12/11 1215 Mandarin tIk (Maywoods-KY)
 4760 LIBERIA ELWA 12/21 to 2206* rel tIk EG, ID sked addr (Ducharme)
 11/19 0610 gospel mx, EG anmts, Monrovia (Newbury-NE)
 4765 BRAZIL R Rural 12/29 0151 pops, call ins, IDs, TC (Klinck-NY)
 4765 CONGO RTV 1/1 0300 party? call ins, Brazzaville (Newbury-NE)
 4766 INDO RRI 1/18 1130 chants, pres ID (Robertson-CA)
 4770 ECUADOR Centinela del Sur 12/30 0155 ads, IDs etc (Klinck-NY)
 4770 NIGERIA RN 12/27 0449 EG Michael J. drums TC ID (Lamb-NY) 12/26
 2125 regional nx //4990 (Rausch-NJ)
 4775 INDIA Imphal 12/15 1130 full EG ID, pretty good (Berg-MA)
 12/9 1123 vcIs, ID, no Hindi nx 1130, 1136* (D'Angelo-PA)
 4775 INDIA unid 1425-1600 sev days, think hrd more than 1 (Williams)
 sev days 1530 TP nx, p-f (Flynn-OR) 12/25 1222 Indian mx, weak
 (Field-MI) 1/1 1146 ballads, Christian mx, Alleluia (Comeau-MA)
 4775 PERU R Tarma 12/23 0103 ID, pop ballad (Comeau-MA)
 4777 GABON RTV 1/10 2116 FR Afropop, drums, tIk (Lamb-NY)
 12/22 2244 FR native pops, ID, NA to 2259* (Ducharme-MA)
 4779 GUATEMALA Cult Coatan 1/6 0030 ID accordion solos (Robinson-TN)
 1/5 1117 SP/lang guitar, rel, ID, fade 1214 (Ondrechen-MA) Tnx!
 12/19 1145 rel, ID, SP/lang (Newbury-NE) 12/8 00015 vcIs, anmts
 ID (Davenport-TN)
 4780 UKRAINE RU 12/23 2200 EG IS, ID, nx interview (Streitmatter-IN)
 12/18 0100 EG nx, cmtry, pops //7405, 9810 etc (Alexander-PA)
 4783 MALI RTV 12/13 2229 FR guitar IS, ID, nx, mx (Ducharme-MA)
 4785 COLOMBIA Ecos del Combeima 12/4 1137 nx, promos (Frodge-MI2)
 12/9 2310 SP fast tIk, R Super IDs (Maywoods-KY)
 4785 PERU R Cooperativa 12/8 0014 LA mx, ID, weak (Davenport-TN)
 4789.7 IRIAN JAYA Fak Fak 1/6 1359 //4874, guitar IS nx (Brown-MO)
 12/26 0917 Moslem sing, Silent Nite, own IS (Berg-MA)
 4790 PERU Atlantida 1/2 1100 ID, rooster, nx, Silent Nite (Robinson)
 4790.6 PAKISTAN RP tent 12/21 0135 poss EG ID, EG nx (Williams-OR)
 4799.8 GUATEMALA R Buenas Nuevas 12/15 0315 tIk, ID 0331 (Hall-CA)
 12/20 1155 lang ID, Xmas mx (Newbury-NE)
 4800h CUBA Rebelde 12/17 0855 tIk Cuban mx, 600x8 (Alexander-PA)
 4805 BRAZIL Rdf Amazonas 12/18 2230 lite mx ID, lotto (Serra-ITALY)
 4810 ARMENIA R Yerevan 12/8 2112 class mx, ID, opera (Davenport-TN)
 4810 SOUTH AFRICA Afrikaans Stereo 12/22 0415 AK/EG speech (Newbury)
 4815 BRAZIL Rdf Londrina 12/18 0401* rel, ID Ode to Joy (Alexander)
 4815 BURKINA FASO RTV 1/8 0658 FR ment Ouagadougou, nx (Lamb-NY)
 11/30 2305 FR mx, poor (Humenyk-ON) 12/7 2215 FR pol discuss
 ID Radio Burkina (Klinck-NY)
 4819.7 UNID AIR? 12/7 2226 mx sound SC but tIk sound AR (Klinck-NY)
 4820 HONDURAS HRVC 11/29 2316 anmt abt concert, fair (Humenyk-ON)
 12/21 0100 poss sermon, rel choral mx ID, echo (Jordan-PA)
 4820 TIBET Xizang PBS 12/30 1400 IS, ID lang tIk //others(Ryan-THAI)
 4820 UKRAINE RU 12/17 0145 UK folk mx, IS //7240 5915 (Alexander-PA)
 4825 BRAZIL Cancao Nova 12/26 0220 mx, Cath. svc, ID (Field-MI)
 4828 ZIMBABWE ZBC 12/31 1700 "Look Back in Time" ID, nx (Williams)
 12/4 0333 Sunday Morning in the Mood, drum, pops (Frodge-MI2)
 12/26 2115 EZL, Radio 3 ID (Rausch-NJ)
 4830 BOTSWANA RB 12/3-0256 IS, anthem, anmts, EZL mx (Frodge-MI2)
 12/7 0327 EG/lang pops, TC, nx abt traf accidents (D'Angelo-PA)
 4830 VENEZUELA R Tachira 11/30 0116 exc mx pgm (Humenyk-ON) 1/1
 0400 countdown, NA, LA mx (Newbury-NE)
 4832 COSTA RICA R Reloj 12/20 0230 call-in, IDs (Hall-CA)

4835 GUATEMALA Tezulutlan 11/30 0119 organ, cmtry (Humenyk-ON)
1/17 1136 pops, marimbas, ID 1145, fair (Robertson-CA)

4835 MALI RTM 12/18 2255 FR comedy anmts, lite mx (Serra-ITALY)

4845 BRAZIL R Meteorologia 1/15 1615 PT TP, mx, 1630 ID (Robertson)

4845 GUATEMALA Kekchi 1/7 0230 ID, prayers, FC, trio (Robinson-TN)

4845 MAURITANIA ORTM 12/23 2032 tik ID ment Nouakchott (Serra-ITALY)
12/13 2237 AR Koran, ID 2300 (Klinck-NY) 12/22 2345 interview
tik, ID (Jordan-PA)

4845.2 BRAZIL R Cabocla 12/9 1004 pops, tik, ment Manaus, Amaz(Klinck)

4850 UZBEK UR 12/26 2143 instl mx, IS, poss nx & ID (Serra-ITALY)

4855.5 PERU R La Hora tent 12/3 1010 mx, TCs, poss ads (Field-MI)
12/10 *0951 instl, ID, inspirational msg, OA mx, TC (Berg-MA)
12/8 1012 OA mx, anmts, IDs (Klinck-NY)

4860 ASIATIC RUSSIA Chita tent 12/20 0600 RS nx, drama (Hall-CA)
12/12 1100 5+1 TP, ID, nx, chimes, ads, Flamenco! (Berg-MA)

4860 ECUADOR Federacion 12/7 to 0112* lang mx, poor (Flynn-OR)

4860 INDIA Delhi 1/4 1303 SC mx, YL host (Brown-MO) 12/11 1232 EG
nx from Delhi (Maywoods-KY) 12/10 1222 cmtry, ID, pgm hilltes
TC, TP, ID, nx (D'Angelo-PA) 12/9 1219 EG IS, nx (Comeau-MA)

4865 CHINA Gansu PBS 12/26 2203 nx, mx, ID fair (Serra-ITALY)

4865 COLOMBIA LV del Cinaruco 1/13 2254 reggae, ID, six ad (Lamb-NY)
1/1 0328 LA mx, canned anmts, TC, chattering (Serra-ITALY)
11/21 2320 cmtry, fair (Humenyk-ON) 1/1 0500 countdown, NA
(Newbury-NE) 1/1 0850 mx, ID (Kaminsky-NJ)

4870 BENIN ORTB 12/13 0513 FR/lang vcls, IDs (Streitmatter-IN) 12/26
2135 chants, Afropop, ID, TC (Frodge-MI1) 12/18 0000 FR tik,
IDs (Kaminsky-NJ) 12/8 2146 FR tik, tribal chants (Davenport)

4870 ECUADOR LV del Upano 12/2 1145 ID, tik, mx (Newbury-NE)

4874.6 IRIAN JAYA Sorong 1/6 1351 mixed pops, strong (Brown-MO)

4880 BANGLADESH RB 1/5 1231 SC vcls peeking thru QRN (Brown-MO)

4885 BRAZIL R Clube do Para 12/7 2247 echo anmts, ID (Davenport-TN)

4885 COLOMBIA Ondas del Meta 12/8 0232 jingles, IDs, ad for "Eco
Noticias" (Klinck-NY)

4890 PAPUA NBC 12/23 1100 EG Karai svc ID, nx, field rpts (Ducharme)
12/4 1130 gospel mx, here in Port Moresby (Frodge-MI2) 11/25
0840 PD C&W, rockabilly, phone in (Newbury-NE) 1/16 1148 EG
jive & pops, ID, IS (Robertson-CA)

4890.1 PERU R Chota 12/26 0303* anmts, huaynos, chorus, NA (Alexander)

4904.5 CHAD RNT 12/28 2109 Xmas story, Afropop, rock, nx (Frodge-MI1)
12/7 2230 FR tiks, IDs (Davenport-TN) 12/11 0426 FR IS, anthem
FR tik (Comeau-MA)

4905 CHINA CNR Pgm 2 12/13 2237 lang, EG econ tik (Ducharme-MA)
12/14 2303 CH tik, ID (Davenport-TN)

4909.7 ZAMBIA ZNBC 12/9 1606 tent w/poss EG, partial ID (Williams-OR)
12/15 0245 IS, low audio, also afts 2000 (Berg-MA) 12/9 *0250
IS, chor anthem, EG ID, lang anmts, tribal vcls (D'Angelo-PA)

4910 GUINEA RTV 11/30 2319 FR cmtry, poor (Humenyk-ON)

4915 GHANA GBC 12/31 2130 You are tuned to Ghana, mx, nx (Robinson)
12/16 0006 EG natl nx, fades, noise (Flynn-OR) 11/30 2244 EG
mx, choir, exc (Humenyk-ON) 12/22 2240 Afr dialect w/organ
playing Adeste Fideles (Newbury-NE) 12/23 0017 tam-tams, ment
Ghana, hillife, chit chat (Jordan-PA) 12/8 2132 lang tik, mx,
poor (Davenport-TN)

4915 PERU R Cora 1/19 *1050 NA, shout, animal noises, prayer (Lamb)
12/3 1049 ID, anthem, animal sounds, birds, rel mx (Frodge-MI2)
12/12 0201 ID, nx, drama (Newbury-NE)

4920 INDIA Madras 12/7 0101 SC mx, 1730 AIR ID, EG (Williams-OR)
12/24 1227 EG, singing, TP, ID, nx (Streitmatter-IN) 1/4 1332
YL SC vcls (Brown-MO) 12/11 1227 EG nx trom Delhi (Maywoods-KY)

4930 DOM REP R Barahona 11/30 0125 mx, promos, fair (Humenyk-ON)

4930 HONDURAS Internacional 12/25 0535 mx, Xmas greet ID (Ondrechen)
12/26 0330 ID, Nutcracker (Newbury-NE) 12/8 2309 anmts, ID,
addr, TC, LA mx (Davenport-TN)

4935 KENYA KBC 12/28 2103 rel, anthem to 2107*, poor (Frodge-MI1)
12/24 2107* EG nx, Xmas mx Bible, chor anthem (Alexander-PA)
12/26 2110* lite pops, ID, TC, rel blessing (Rausch-NJ)

4935 PERU R Tropical 12/3 1040 IDs, tropicales, fair (Frodge-MI2)
12/18 0401* ID, pops, also *1106 NA (Alexander-PA)

4950 ECUADOR Bahai 1/19 1033 HC mx, ment towns, ID, nx (Lamb-NY)

4952.5 UNID 12/29 0312 w/ Koran, good sig (Comeau-MA)

4957.5 AZERBAIJAN Baku 12/20 2000 AR? IS, TP, ID, EG nx (Ryan-THAI)

4965 BRAZIL Alvorada 12/7 0922, ID, FC, fair (Moore-IA)
 4975 RUSSIA R Slavyanka 12/12 1700 ID RS tlc, nx, ballads (Ryan)
 4976 UGANDA RU 12/20 2008 EG ment Uganda, Africa (Comeau-MA)
 4980 VENEZUELA Ecos del Torbes 1/1 0343 chat ID (Serra-ITALY) 12/30
 0220 mx, SP/EG IDs VYOC, FC (Newbury-NE)
 4985 BRAZIL Brasil Central 1/3 0142 ballad ID tlc o/inst mx (Lamb-NY)
 4990 NIGERIA RN 12/27 0509 EG Atropops, Radio 1, Boyz II Men (Lamb)
 12/26 2130 Drunk Driving PSA ID Xmas mx (Kausch-NJ)
 4991 PERU R Ancash 11/20 0510 ethnic mx pgm, ID (Newbury-NE)
 5000 USA WWV 1/1 0700 time checks (Newbury-NE)
 5005 NEPAL R Nepal 12/17 1415 EG nx, ID, wx, Amex index (Ryan-THAI)
 12/9 1230 lang flutes, tlc //7165 (Comeau-MA)
 5010 INDIA Thiru'puram 12/10 0039 EG nx, ID, mx (Williams-OR) 12/10
 *0024 IS, mx, tlc, vcis (Alexander-PA) 12/9 0028 Hindi/EG vcis
 nx, ID, EG nx, vcis, instl theme (D'Angelo-PA)
 5015 TURKMENISTAN TR 11/28 1955 chant, IS, bell, nx, ID? (Serra)
 tent 12/20 2020 AR type mx, RS type lang (Comeau-MA)
 5020 COLOMBIA Ecos del Atrato 12/16 0403* ID trumpet IS (Streit.)
 12/11 0357* anmts, Caracol promos, ID, NA (Alexander-PA)
 5025 BENIN ORTB 12/22 1938 FR/lang tlc, Afropop, IS ID nx (Serra)
 12/13 2055 FR/lang tlc, native mx, ID, tlc (Ducharne-MA)
 5025 BHUTAN BBS 12/21 1430 mx dedications in EG (Ryan-THAILAND)
 5025 PERU Quillabamba 12/19 0240 Andean mx rap disco ID (Newbury)
 12/26 0514 rel tlc (Field-MI)
 5030 COSTA RICA AWR 12/13 0422 //9725 pop rel, ID (Streitmatter-IN)
 1/1 0346 sermon, chorus, addr, R Mundial Adventista (Serra)
 1/1 0030 EG Vo Prophecy pgm, ID //6150, 7374.9 (Alexander-PA)
 5030 EURO RUSSIA Murmansk R 12/31 1530 RS Xmas mx (Newbury-NE)
 5035 CENT AFR REP Centrafricaine 12/2 2141 native vcis (Frodge-MI2)
 11/30 2253 FR mx, good (Humenyk-ON)
 5047 TOGO Rdf Togolaise 12/30 1741 lang Afropop, Lome, (Serra-ITALY)
 12/2 2212 nx, variety mx, fair (Frodge-MI2) 11/30 2257 FR
 hilife mx, Afropop (Humenyk-ON)
 5049.6 ECUADOR R Jesus 1/5 0027 IDs, TC, flutes, good (Ondrechen-MA)
 5050 TANZANIA RT 1/1 0358 EG Afropop TP From RT Dar es Salaam (Serra)
 12/18 0330 EG pops, Jingle Bells, nx, ID (Comeau-MA)
 5055 SWAZILAND TWR 12/25 1659 GM church svc, IS, ID (Williams-OR)
 5060 UZBEK Tashkent 12/10 *2100-2130* IS, GM tlc, ME mx (Alexander)
 5060 UNID Pakistan? 12/20 1533 weak lang nx, Pak, (Williams-OR)
 5075 COLOMBIA Caracol 12/26 0210 Xmas mx, Boston Pops (Newbury-NE)
 also 1/1 0430 party, clock tick, Happy New Year 0500 (Newbury)
 12/31 0220 tast nx, ID, TC, QTH strings (Jordan-PA)
 5098 PERU R Eco 12/7 0340 Teen Angel, ID, good (Field-MI) 12/25
 0255 anmts, rancheros, SP rap, echo anmts (Alexander-PA)
 5116.4 PERU R Diez 12/13 0133 mx, sev IDs (Field-MI) 12/10 1046 OA vcl
 shout ID, IDs btwn mx numbers (D'Angelo-PA)
 5131 PERU R Vision 2000 1/5 0307* ballads, ID, NA (Paszkwicz-WI)
 5235.4 PERU R Apurimac tent 12/12 1030 mx, tlc, weak (Field-MI) 12/10
 1021 long tlc, IDs, TCs, some OA mx (D'Angelo-PA)
 5240t TIBET Xizang PBS 1117 tlc in Oriental lang (Klinck-NY)
 5360t PERU R Vision 12/11 0240 vy weak also 12/7 0320 (Field-MI)
 *5407.2t LAOS CLAND R Prov Govt 12/11 1311 vy vy weak (Maywoods-KY)
 5620.9 PERU R Ilucan 12/8 0152 mx 0245* IDs also morns (Field-MI)
 5700.1 PERU R Frec San Ignacio 12/24 0232 tlc, vcis ID (Streitmatter)
 12/10 0220 SP dance mx, ID (Maywoods-KY)
 5860 CHINA unid 12/10 1138 CH tlc & vcis (Levison-PA)
 5880 CHINA CNR 1/16 1547 CH mx, ballads, nx, IS, TP, ID (Robertson)
 5882 VATICAN VR 12/18 2200 IT Orizzonti Cristiani, ID //MW (Serra)
 5885 BRAZIL SRI Relay 11/29 0238 SP nx, fair (Humenyk-04)
 5895 CROATIA CR 12/21 0250 Xmas mx, disco, pop ID (Newbury-NE)
 Some of you ask should loggings be sent to John Schmid or me? The
 advantage of dist editor was to cut postage costs for the reporter.
 You are encouraged to write to John with all loggings and his deadline
 remains the same each month. However, if you have a late breaking log
 and you missed John's deadline, you can then send to me or Wally. Any
 late arriving, your logs are saved by John and me till next month; they
 are not dumped. This month reporters from 13 states, 1 province, 2
 countries. Next deadline February 17. PLEASE USE MY NEW ADDRESS:
 SHERYL PASZKIEWICZ, PO BOX 152, MANITOWOC, WI 54221-0152.

International Band Loggings

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



- 5915 SLOVAKIA R Slovakia in EG 1930, "Focus on Tourism", f (Placanita ITALY 11/28)
 5920 RUSSIA R Aum Shinrikyo in EG 2040, ID, QTH in Japan, sermon, IS (Serra ITALY 12/20)
 5920nf? CANADA Can Forces Net via RCI in EG 0315, wx, ID, sports, family messages (Dybka TN)
 5930nf? BULGARIA RB in IT 2357, mx "La Canzone Prefrata", ID, f-g (Serra ITALY 12/10)
 5935 RUSSIA R Nadezhda in RS 1800, ID, pop mx w/accom guitar, YL 1DJ (Ryan THAILAND 12/17)
 5975 RUSSIA VO Russia in IT 1815, "Programma D'Informazione", ID, //6130, f-p (Serra ITALY)
 6000 CUBA RHC in EG 0150, "DX Unlimited", ID, exc (Thompson NY 11/30)
 6010 BRAZIL R Inconfidencia in PT 0020, jingles, ads, ID in EG 0300, Xmas mx (Hall CA 12/15)
 6020 SAUDI ARABIA BSKSA in AR 1930, ID, Koran discussion (Rausch NJ 12/26)
 6025 BOLIVIA R Illimani in SP 0330, MOR? mx, ID "R Illimani de la Rep de Bolivia" (Hall CA 12/15)
 6025 MALAYSIA Radio 5 in CH 0730, YL DJ, pop mx, nx 0735, phone-in (Ryan THAILAND 12/31)
 6025 UZBEKISTAN R Tashkent in EG 1330, IS, ID, New Years pgm (Ryan THAILAND 12/31)
 6035 BOTSWANA VOA relay in EG 0430, "Daybreak Africa", nx, ID (1.amb NY 1/10, Rausch NJ 1/2)
 6045 GERMANY Deut Welle in EG 0413, "Africa Report", fill mx, "Europan Journal" (Lamb NY 1/9)
 6050 CYPRUS BBC relay in AL 1817, nx re Chechnya w/EG sound bite translations, f (Lamb NY 1/14)
 6095 VATICAN STATE VR in SP 0358*, tlk re Christians in Cuba, ID, church nx, IS (Lamb NY 1/11)
 6100 GERMANY Deut Welle in GM 2255, Beatles song in GM lang, ID, nx, g (McGuire MD 12/6)
 6105 ROMANIA R Romania Int in EG *1858, IS, ID, fqys, nx re RM leader, f (Lamb NY 1/14)
 6135 SEYCHELLES BBC relay in EG 0330*, international sports results, ID (Rausch NJ 1/2)
 6150 COLOMBIA R Caracol in SP 0340, tlk, nx, ID, ads (Terrence NY, Hall CA 12/30)
 6165 SWITZERLAND RSI in IT 1407, mx w/comic anncrs, ID, QTH in FR (Serra ITALY 12/11)
 6180 CYPRUS BBC relay in EG 1802, "Newsdesk" re Chechnya, Balkans, de Klerk, ID (Lamb 1/14)
 6190 LESOTHO BBC relay in EG 0405, ID, intl nx pgm "Network Africa" (Rausch NJ 1/2)
 6400 NO KOREA R Pyongyang in KR 2150, choral mx, 3+1 pips, ID? (Rausch NJ 12/24)
 6433 CHINA China R Int in BG 1846, political tlk, CH mx, ID, //7385 (Serra ITALY 12/19)
 7110 PAKISTAN RP in EG 1945, ID by YL, subcont mx to 2000, nx (Rausch NJ 12/26)
 7115 SLOVAKIA AWR Slovakia in EG 0747, contin Christian mx, relig tlk, QTH (Lamb NY 1/8)
 7160 OMAN BBC relay in EG 1730, ID, choral mx, sports, tlk (Rausch NJ 12/18)
 7170v ALBANIA R Tirana in IT 1730, ID, ancti, local nx, f-p (Serra ITALY 12/2)
 7190 THAILAND VOA relay in CH 2321, CH mx, tlks, interview w/Microsoft chief, ID (Lamb 12/25)
 7195 ROMANIA RRI in EG 2109, nx re Chechny & Russia, ID, sports rpt, f w/QRM (Lamb NY 1/5)
 7230 ITALY AWR in IT 1143, QTH, piano mx, chorus song, into relig pgm (Serra ITALY 12/17)
 7260 IRAN VOIRI in EG 2015, YL w/Koran quotes, ID, fqys, into SP 2030, g (Ducharme MA 12/13)
 7285 PORTUGAL Deut Welle relay in AL *2058, IS, site ID, fqys, nx re Bosnia, //5965 (Lamb NY)
 7305 VATICAN STATE VR in FR/EG *0230, IS, ID, relig readings, mx (Jordan PA, Thompson NY)
 7360 RUSSIA V of Russia in EG 1530, ID, Russian folk mx, stories (Rausch NJ 12/26)
 7405 UKRAINE R Ukraine in UK/EG 0008, pgming in UK to 0100, in EG 0100-0200 (Jordan 12/13)
 7448v GREECE FTH Athens in GK? 2056-2100*, GK mx, tlk, ID at s/off, exc (Ducharme MA 12/30)
 7455 GUAM KSDA AWR in EG 2150, relig tlk, IS, ID, into CH 2200, f-g (Rausch NJ 1/1)
 7465 ISRAEL Kol Israel in EG 2002, nx magazine, ID, topic nx, //7405, 9435, f (Serra ITALY 12/13)
 8743usb AUSTRALIA Aust Def Forces R in EG 1419, pop mx, tlk, ID, nx, f (Serra 12/17)
 9370 GUAM KSDA AWR in Burmese? 1400, long tlks, exotic vocals, relig mx translations, QTH & AWR refs, f (Jordan PA 12/14) in SP?, ancing new DX pgm "Worldscan" (Placanita ITALY 11/26)
 9435 ISRAEL Kol Israel in EG 2000, IS, ID, rpt on attack in South Lebanon, g (McGuire MD 11/28)
 9460 TURKEY VOT in TK 1547, lcl song/mx, ID, pips 1600, childrens' chorus (Serra ITALY 12/24)
 9480 ARMENIA Araks Info R Agency in EG/FR 2312, orch IS?, fqys, skeds, ID "Yerevan", tlk, nx?, lively pop mx, slo QSB, QRN & QRM quagmire, f-p (Jordan PA 12/22)
 9535 SWITZERLAND SRI in EG 1112, Eur nx, tlk on Greece maritime treaty, ID (Terrence NY 11/16)
 9550 RUSSIA V of Russia in EG 2100, ID, New Year's Greeting, Moscow Mailbag (Robinson TN 1/7)
 9560 JORDAN R Jordan in EG 1545, pop mx, DJ, ID, fqy, target area, mass choral, p (Jordan PA 12/23)
 9570 PORTUGAL RDPI in EG 0245, DX program, weather report, exc (Thompson NY 11/19)
 9575 MOROCCO R Medu Un in FR/AR 1958, pop mx, ID, FR headlines, AR nx (Lamb NY 12/27) in AR 0030, AR mx to 0057, then jingle ID, NA at 0059 s/off (Hall CA 12/17)
 9580 AUSTRALIA RA in EG 0635, "Pacific Beat" pgm, tlk on PNG culture, ID, nx, f (Ducharme MA)
 9585 SO AFRICA Channel Africa in EG *0254, IS, ID, pips, nx, //7185, 11900, f (Lamb NY 1/9)
 9605 UNITED ARAB EMIRATES Abu Dhabi in EG 2350, pgm re AR philology, ID (McGuire 12/7)
 9610 SO AFRICA BBC relay Meyerton in EG 0250, "Teaching Matters", into SII 0259 (Dybka TN)
 9645 BRAZIL R Bandeirantes in PT 0519, tlks, ID, sports rpt, ads, //6090, f w/QRM (Lamb NY 12/28)
 9655 NEW ZEALAND RNZI in EG 1405, cricket match, ad for Bank of NZ, TC, exc (Jordan PA 12/18)
 9670 PORTUGAL Deut Welle relay in EG 0100, nx & nx analysis, mx, exc (Thompson NY 11/27)

- 9680 PORTUGAL R Renascenca in PT 1738, holy rosary, relig chants w/organ mx (Serra ITALY 12/15)
- 9700 NEW ZEALAND RNZI in EG 0720, pop mx, interview, local nx & wx, exc (Jordan PA 12/31)
- 9710 CHINA China R Int in EG 0010, rpt on Hong Kong, wx, feature (McGuire MD, Terrence NY)
- 9710 AUSTRALIA RA in C/H/EG 1320, vocals, IS, pips, nx, into EG 1400, f-p (Jordan PA 1/4)
- 9780 RUSSIA RS Atlantika in RS 1300, IS, ID, folk songs w/some in EG, //9845 (Ryan THAI 12/13)
- 9905 SWITZERLAND SRI in EG 0100, ID, nx rpts, feature (McGuire MD, Newbury NE 1/3)
- 11550 TAIWAN Family R relay in EG *1300, relig Family Bible reading, QTH (Ryan THAI 12/30)
- 11560 EGYPT R Cairo in lang *1400, ID "Cairo hai", M East mx, muddy audio (Ryan THAI 12/30) in AR 1500, ID, nx, recitations from Holy Qu'ran, NA (Robinson TN 1/7)
- 11570 PAKISTAN RP in EG 1600, nx, cmntry, repeat at 1700 (Ryan THAILAND 12/29)
- 11595 GREECE RS Makedonias in GK 1823, vocal mx but no tlk, //7430 (Frodge MI 12/3)
- 11630nf CROATIA Croatian R in CR 1600, tlk, lite mx, Euro pops, //13830 (Alexander PA 12/18)
- 11650 FRENCH GUIANA R Swiss Int relay in ff 2257, folk mx, ID, fcy in GM, nx (Serra ITALY 12/15)
- 11695nf RUSSIA Universal Life R in GM/EG 1327, first hrd on 12/4 but not again until 1/1, YL giving EG translation of GM relig spkr, ID in EG 1357, QTH in Germany, RM IS, //11685 (Perg MA)
- 11700 NO KOREA R Pyongyang in EG 2342, piano mx, ID by YL, f, //13650 (Humenyk ONT 1/30)
- 11705 CANADA R Canada relay in JP 1315, big party, Hit Parade mx, "Happy New Ye" (Newbury NE)
- 11785 BRAZIL R Guaiaba in PT 0150, tlk, TP on qr hr, L Am nx, ID, fcy for MW (Hall CA 11/28)
- 11810 JORDAN R Jordan in AR 0540, AR vcls, TP, ID, nx before 0812 s/oIf (Ryan THAILAND 12/16)
- 11815 COSTA RICA R Espana relay in SP 1615, year-end pgm, choir, sports, //17715 (Lamb NY 12/31)
- 11835 YUGOSLAVIA RY in EG 1330, nx, cmntry, ID, lcl pop mx, co-channel QRM (Alexander PA 1/1)
- 11890 OMAN R Oman in AR 1435, tlks, ID, exotic AR instrms, prayers, QTH, vp (Jordan PA 12/4)
- 11940 SO AFRICA BBC relay Meyerton in PT 0522, IS, ID, Big Ben, Afr nx/mx, f (Lamb NY 1/10)
- 11970 CUBA RHC in SP 0050, tlk re "Cubano" & "La Contina", //11875 (Terrence NY)
- 11990 KUWAIT R Kuwait in EG 2010, tlk re 18th century hist of Kuwait, MOR nx, g (Jordan PA 1/1)
- 12015 RUSSIA Vladivostok in RS *1900, IS, ID R.S. Tikhiv Okean, pops, waltzes (Ryan THAI 1/1)
- 13625 HAWAII KWHR in EG 1950, relig mx, ID, fcy, quick s/oIf 1959, f (Ducharme MA 12/13)
- 13625 FRENCH GUIANA RFI relay in EG 1215, nx, nx analysis of RS problems, vg (Jordan PA 1/2)
- 13635 SWITZERLAND SRI in EG 1300, world nx, political feature, SW mx, ID, g (Jordan PA 1/2)
- 13675 UNITED ARAB EMIRATES R Dubai in EG 1330, chorus, instrms, ID, sked, nx, dramatic reading QRM, QSB, QSD (Jordan PA 12/20) in EG 0321, cmntry, p (Humenyk ONT ODXA Challenge)
- 13700 RUSSIA R Netherlands relay via Irkutsk in EG *0830, IS, ID, intl nx (Rausch NJ 1/1)
- 13830 CROATIA Croatian R in CR/EG 1300, ID in EG, opera, pop mx, p (Robinson TN 1/11)
- 15050nf COSTA RICA RFPPI in SP/EG 1640, SP & EG editions of F.I.R.E. QTH, ID, xmtid in USB mode, //17905 (Lamb NY 12/31) in EG 0124, pgm on disabilities, //94000, 7385, 12150, ex-15030 (Alexander PA 12/31) in EG 1814, "Caribbean Echo", promos (Frodge MI 12/29)
- 15110 MALI China R Int relay in EG 2051, CH folk songs, YL anc, ID, //11715 better (Terrence NY)
- 151546 INDONESIA RRI Jakarta in IN 0130, IN mx, ID, fcy, vg most evenings (Hall CA 12/4)
- 15175 SAUDI ARABIA BSKSA in AR 1200, ID, Qu'ran recitation, QRM R Norway (Robinson TN 1/1)
- 15220 RUSSIA Golos Rossii in RS 1200, IS, ID, nx, tlk, mx, //15305, 9780 (Ryan THAI 12/13)
- 15235 LIBYA R Jamahiriya in AR 1606, nx, // 15435 better signal (Humenyk ONT ODXA Challenge)
- 15270nf RWANDA Deut Welle relay reactivated in EG *2055, IS, site ID, intl nx, feature pgms, Euro Journal & Africa Highlight, rpt on polit corruption in France (Rausch NJ 1/1, McGuire MD 12/13)
- 15345 MOROCCO RTV Marocaine in AR 2000, IS, ID, regional nx, f (McGuire MD 11/27)
- 15390 ASCENSION IS BBC relay in EG 2120, Caribbean rpt on Green Peace action (Newbury NE 12/20)
- 15400 ASCENSION IS BBCrelay in EG 2125. "Newshour" w/cmntry by OM anchor, f (Jordan PA 1/1)
- 15400 FINLAND RF in EG 1437, lcl nx, ID, signal faded out by 1446 (Serra ITALY 12/17)
- 15575 SO KOREA R Korea in EG 0103, nx, Yeltsin may visit Korea, ID (Newbury NE, Humenyk ONT)
- 15625 PAKISTAN RP in EG 0800, "Holy Qu'ran", press roundup, mx, f (Placanita ITALY 11/22)
- 15640 ISRAEL Kol Israel in EG *1400-1425*, regional nx, "Calling All Listeners", mailbag pgm, "DX Corner", possible cutbacks in EG SW pgms (Jordan PA 1/9, Placanita ITALY, Serra ITALY)
- 15650 GREECE FTH Athens in GK/EG 1400, ID, Santouri solo, New Year's Mass (Robinson TN 1/2)
- 15770 ICELAND INBS Reykjavik in IC 1410, newscast(p), classical & opera mx, f (Jordan PA 12/14)
- 17387 INDIA AIR in EG 1042, Indian songs, ID, ancm, //15050 better sig (Serra ITALY 12/24)
- 17605 NETHERLAND ANTILLES R Netherlands relay in EG 1832, nx, wx, cmntry (Levison PA 12/29)
- 17755 SPAIN REE in SP 1620, IS, ID, "Correo de Guinea Equatorial", f (Serra ITALY 12/24)
- 17810 SO AFRICA Channel Africa in EG 1034, tlk, pop song, ID, feature (Serra ITALY 12/24)
- 21705 CZECH REPUBLIC R Prague in EG 0730, nx, political tlk (Ryan THAILAND 12/13)
- 21725 AUSTRALIA RA in EG 1000, "Asia Focus", "International Report", jazz (Placanita ITALY 11/28)

CLANDESTINE STATIONS

- 6260 COLOMBIA R Patria Libre in SP 1202*, SP folk mx, "laid back" tlks (Alexander PA 12/18)
- 6306 GUATEMALA LV del Cid in SP 0603, cmntry on Cuba, chirper jammer (Frodge MI 12/18)
- 9600 MIDEAST? R Azadi in Farsi 0200, ID, Inja Radio Azadi tlks, ME mx (Rausch NJ 1/2)
- 11945 RUSSIA Free Radio Voice of Ethiopian Unity in Amheric? 1600-1700, s/on w/flute IS, ID: "Yeh Yenesa Radio Yeethiopia Andinet Dimts New", tlk, lcl mx, into R Moscow pgming 1659. Sked is Sun & Wed only via R Moscow xmt, f, R Moscow prior to 1600 (Alexander PA 12/18)

FURTHER SHORT WAVE LOGGINGS RECEIVED AFTER DEADLINE LISTED ON NEXT PAGE

APPENDUM FOR LOGGING CONTRIBUTIONS RECEIVED AFTER DEADLINE

- 5905 CZECH REP R Metropolis in multi-lingual (inc EG) 0807, ID, sked, QTH. p (Alexander PA 12/11)
- 5930 SLOVAKIA R Prague relay in EG 0009, nx, features on Bohemia, politics, & economics, //9440 (Flynn OR 12/7, McGuire MD 12/22, Humenyk ONT ODXA DX Challenge 11/29)
- 5965nf? HUNGARY R Budapest in EG 0333, ID, tlk, vocals, f, //7220 (Flynn OR 12/15)
- 59806 GUATEMALA AWR in SP 1215, relig mx, ID "R Mundial Adventista....." (Ondrechen MA 1/5)
- 5990 MYANMAR R Myanmar in Bamar? 1210, sub-cont mx, lang lessons?, IS, YL tlk, mentions of "Myanmar" and "Yangon" (Maywoods DX Team KY 12/10)
- 59994 ECUADOR LV del Upano in SP *1031, NA, ID, relig pgming, //4870, 5965 (Alexander PA 12/11)
- 6000nf POLAND Polish R in EG 2030-2124*, nx, cmntry, lite nix, ID, ex 5995, //6135 (Alexander 1/1)
- 60852v BOLIVIA San Gabriel in SP 0955, ID, mentioned La Paz, jingles, wiped out at 0958 by WYFR (Kinck NY 12/8) in SP 0925-1015, abruptly moved up to 60854 from 60852 (Alexander PA 12/17)
- 6185 CHINA China Huayi BCC(p) in CH 1204, hrd after Mexico s/oIT, vcls, tlk, f (Berg MA 12/26)
- 6185 MEXICO R Educacion in SP/EG 0139, mx, ID, historical drama re Cortez (Ondreche 1 MA 1/5)
- 6190 PERU R Oriente in SP 0053*, tlk, ads, LA mx, ID, march mx (Alexander PA 12/19, Flynn OR)
- 6195 YUGOSLAVIA RY in EG 0100, nx, cmntry, folk mx, aned EG sked: 1930 on 6100, 9720, 2200 on 6100, 6185, 0100 on 6190, 9580 (ex Sun), 0200 on 6190 (Alexander PA 12/15)
- 6196 BOLIVIA R Metropolitana in SP 0925, tlk, ads, jingles, SP ballads, wk but clear (Alexander 12/17)
- 6204 PERU R Cuzco in SP 1044, ID, 2 OM's alternating in SP, f (Flynn OR 12/14)
- 6560 IRAQ Rep of Iraq R(t) in AR 0342, tlks, ME nix that is "Westernized", f (Flynn OR 12/7)
- 6570 MYANMAR Def Forces BC Unit in Bamar? 1247, lcl mx, tlk, vcls, p (Maywood DX Team KY)
- 7105 RUSSIA V of Russia in EG 0100, warning to US to stay out of Grozny crisis (Newbury NE 1/2)
- 7110 ETHIOPIA R Ethiopia in lang *0329, xylophone IS, tlk, Af pop mx, QRM 0400 (Alexander PA 12/26)
- 7150 SWAZILAND TWR in EG/Lang 0400, pre-sign on ID's in EG, continue in Lang (Frodge MI 12/30)
- 7205nf? BULGARIA R Bulgaria Sofia in EG 0028, "Cultural Review" re films etc., f (Flynn OR 12/14)
- 72849v MALI RTVM Bamako in FR/Vern 0725, ID, lcl Af folk mx, f, //11960, 9634 (Alexander PA 12/11)
- 7465 ISRAEL Kol Israel in EG 0510, 20 K pilgrms expected in Bethlehem, ID (Newbury NE 12/23)
- 74949 ISRAEL Reshet Bet in HB 2230, tlk, US pop mx, TP each hr, //9388 (Alexander PA, Frodge MI 12/26)
- 9400 COSTA RICA RFPI in EG 0137, instrumental mx, cmntry by OM, ID (Humenyk ONT ODXA)
- 9535 JAPAN RJ Tokyo in EG 1705, nx, US historian critical of US A-bomb drop (Newbury NE 12/23)
- 9560 BULGARIA R Bulgaria Sofia in SP 2200, Crystal Gayle song, ID, f (McGuire MD 12/11)
- 9560nf AUSTRALIA RA in EG 1428*, nx, cmntry, ID, //11800, 9710 (Alexander PA) ED RA here 3 yrs ago
- 9600 ASCENSION IS BBC relay in EG 0600, ID, world nx, "Good Morning Africa" (McGuire MD 12/27)
- 9625 BOLIVIA R Fides in SP 1113, tlk, ad for 'Banco de Bolivia' (Maywoods DX Team KY 12/10)
- 9640 MALTA Deut Welle relay in TK 1708, nx by YL, ID's, g (Maywoods DX Team KY 12/9)
- 9655 COLOMBIA R Nac de Colombia in SP 0100, Xmas mx, children's play, ID (Hall CA, Newbury NE)
- 9665 BRAZIL R Marumbi in PT 0915, Brazilian nx, ID, g (Moore IA 12/7)
- *****

The loggings on this page were received after the first page of this column had been completed. Unfortunately, the US Postal Service let us down one more time. The supplemental mailing from the Distribution Editor arrived on time and included a note from John that the enclosed loggings (from only three members) were all that he had received and that any more would be held over until next month. Although this seemed like a very small turnout, I guessed that it was due to the fact that most members were too busy with holiday activities to do much DX'ing. Obviously, a bad guess on my part. In any event, the bulk of the loggings sent to John arrived only yesterday (10 days after the postmark on John's envelope which he mailed promptly on the 10th and 4 days after I had already received his supplemental mailing). I was able to reprogram everything after 9670 khz but the first page had already been completed. I hope everyone can understand my reluctance to start all over inasmuch as it takes about 2 hours to concurrently decipher and type a page of loggings.

It's also interesting to note that a "2 Day Priority" mailing sent directly to me from Pittsburgh arrived 7 days after it was postmarked. I certainly hope that the postal increase will do something to improve service.

Thanks to all members who contributed loggings this month and a special thanks to those who took the trouble to cut their loggings into individual slips. This certainly speeds up the preparation of this column.

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Prepared 1/28/95 at 9:52 AM.

Thanks to Jim Frimmel (TX), Jon Klinedinst (PA), Adam Lock (WWCR), Jonathan Marks (R Netherlands), Dr. Adrian Peterson (AWR), Andy Sennitt (WRTH) and Nick Terrence (NY). I also must apologize for not acknowledging a contribution from Jerry Klinck (NY) last month; the infamous sinkhole in the in-basket surfaced again.

Quickies: The cuts in programming at Kol Israel cuts went into effect January 22. WHRI is testing on 5745 00-05 as an alternative to 7315 (heard on UT the 28th). In the windy season, RFPI has a free-wheeling log periodic antenna; the associated transmitter is shut down until repairs are made.

Radio Metropolis Prague is using two 40kW transmitters at Podebrady. Andy Sennitt writes "[these] are former jammers. Also of interest is the fact that they are using the same underground studios that were used in 1968 to broadcast the programmes for the Free Czech Radio for a few days after the



Russian tanks rolled in." And this appeared in the electronic jungle just after the 1st: "Radio Prague regrets that it has lost the use of one of its three transmitting units due to budget cuts. Radio Prague is no longer using the 250 kW transmitter at Rimska Sobota in Slovakia. As of January 1, 1995, all Radio Prague shortwave broadcasts originate from two 100 kW units at the Litomysl site in the Czech Republic (16 10 E 49 48 N)." Their Internet address is cr@radio.anet.cz. Adrian Peterson adds "This means that transmitter RS07 at

Rimavska Sobota and transmitter VK01 at Velke Kostolany, both in Slovakia, are now idle."

And Adrian tells us that AWR is commencing preliminary work on a new AWR-Paraguay operation. The project will consist of two 50kw SW transmitters, plus one each for MW and FM, production studios and satellite facilities. No date has been set for the completion of the station.



Paul Lannuier of Gilfer Shortwave put a box into the trunk of my car at the very end of December. I unpacked the new Japan

Radio Company JST-245 transceiver the next day and had it on the air over the long New Year's weekend. In my opinion, the engineers did their homework on this unit. About the size of the NRD-series receivers, it features a general coverage 100 kHz to 54 MHz receiver, passband tuning, variable bandwidth control, 4 IF stages (except in FM), two VFOs and 200 memories, and a 150-watt transmitter. I'm getting reports of good transmit audio. No doubt those attending the Kulpville gathering next month will see this new toy that shipping just after Christmas. Also, primarily for the ANARC SWL net, on one particularly warm 72° day in mid-January — an amazing winter here so far — I put up a full wave 40m loop antenna horizontal to the ground. The high skywave angle provides better coverage than the dipole, and so far, so good.



See you all at the *Winter SWL Festival* next month! And for those waiting, the 1995 *World Radio TV Handbook* started shipping on December 30.

PC Software by W2XQ

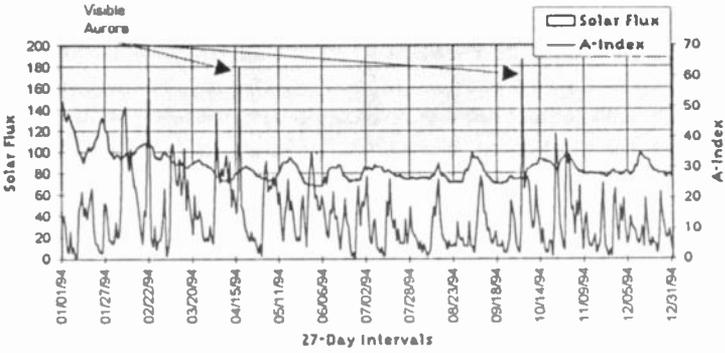
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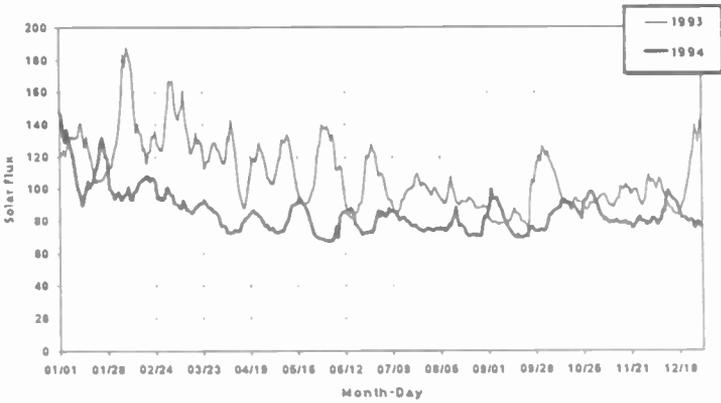
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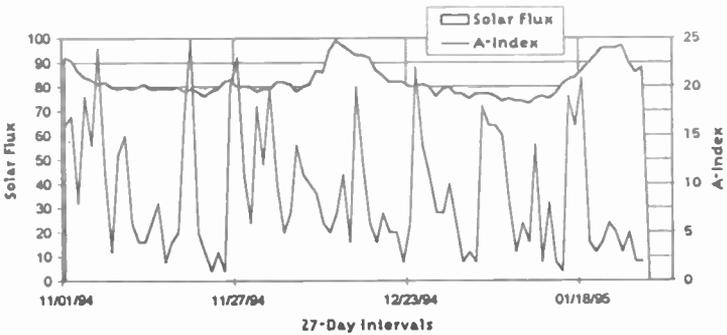
SOLAR FLUX & A-INDEX: 1994



SOLAR FLUX: 1993 vs 1994



SOLAR FLUX & A-INDEX: NOV '94-JAN '95



SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)					TARGET AREA	NOTES	LAST Update
0000										
0200	Costa Rica	R for Peace Int'l	15041	12150U	9400U	7385	LAm/NAm		01/05/95	
0030	Norway	R Norway Int'l	5905				NAm/SAm	Mo only	01/21/95	
1000	USA	WINB	11950				CAm		01/18/95	
0030										
0400	USA	KVOH	9785				CAm/Carib	Tu-Sa	01/22/95	
0100										
0200	Slovakia	AWR	7150				India		01/07/95	
0200										
0800	Costa Rica	R for Peace Int'l	12150U	9400U	7385		LAm/NAm		01/05/95	
0300	USA	WEWN	9465	7425	5825		ME/Am/Eu		01/07/95	
0230										
0245	Pakistan	R Pakistan	21730	17725	17705	15190	7290	As	Slow-speed news	01/22/95
0300										
0327	Czech	R Prague	7345	5930				NAm		01/07/95
0320										
0350	Vatican State	Vatican Radio	9660	7360				eAf		01/02/95
0330										
0357	Czech	R Prague	7345					NAm		01/07/95
0400										
0800	USA	KVOH	9785					CAm/Carib	Univ Network	01/22/95
0425										
0440	Italy	RAI	7275	5975				Mediterranean		01/22/95
0630										
0700	Vatican State	Vatican Radio	13765	11625	9660			c&s&wAf		01/02/95
0700										
0727	Czech	R Prague	17485	7345				Pac/Eu		01/07/95
0800										
1200	Costa Rica	R for Peace Int'l	12150U	9400U				LAm/NAm		01/05/95
0855	Pakistan	R Pakistan	17900	15625				wEu		01/22/95
0845										
0900	Finland	R Finland	11755	9560	6120	963	558	Eu		01/12/95
0900										
1300	Iraq	R Iraq Int'l	13680					Eu	subject to variation	01/22/95
1000	Slovakia	AWR	9445					nEu		01/06/95

SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)					TARGET AREA	NOTES	LAST Update	
1000	1900 USA	WINB	15715					Eu/nAI		01/18/95	
1100	1200 Taiwan	V of Asia	7445					As		01/26/95	
1130	1157 Czech	R Prague	9505	7345				Eu		01/07/95	
	1230 Iran	V of Islamic Rep of Iran	11930	11790	11745	9575	7260	ME/As		01/14/95	
	1225 Netherlands	R Netherlands	7130	6045				Eu		01/12/95	
1200	1300 Costa Rica	R for Peace Int'l	15050	12150U	9400U			LAm/NAm		01/05/95	
1230	1300 South Korea	R Korea	13670	9570				seAs		01/24/95	
1300	1700 Costa Rica	R for Peace Int'l	15050	9400U				LAm/NAm		01/05/95	
1345	1405 Vatican State	Vatican Radio	15585	11625	9500			As/AusNZ		01/02/95	
1400	1600 Malta	V of the Mediterranean	11925					Eu/ME	Su -1435	01/27/95	
	1500 Slovakia	AWR	9450					India		01/08/95	
1540	1600 Vatican State	Vatican Radio	11640	9500				As/AusNZ		01/02/95	
1600	1630 Pakistan	R Pakistan	17660	15675	15555	13590	11570	9470	9435	Slow-speed news 1615	01/22/95
1700	2100 Costa Rica	R for Peace Int'l	17905U	15050	9400U			LAm/NAm		01/05/95	
	1727 Czech	R Prague	9420	5930				Eu/AI		01/07/95	
	1755 Pakistan	R Pakistan	11570	7485				wEu		01/22/95	
	1800 Russia	V of Russia	11920	9550	7345			World Service		01/08/95	
1730	1800 Vatican State	Vatican Radio	13765	11625	9660			e&sAI		01/02/95	
1800	1920 Brazil	R Nacional de Brasil	15265					Eu		01/28/95	
	1827 Czech	R Prague	9420	5930				Eu/AI		01/07/95	
	1855 Poland	Polish Radio Warsaw	7285	7270	6000			Eu		12/31/94	
	1900 Russia	V of Russia	9550	7345				World Service		01/07/95	

SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)					TARGET AREA	NOTES	LAST Update
1830										
1900	Kazakhstan	R Alma Ata	5940				Eu	other annod freqs no	01/21/95	
1900										
2100	USA	WINB	12161				NAm/Eu/AF		01/18/95	
1935										
1955	Italy	RAI	11000	9575			Great Britain		01/22/95	
2000										
2100	Angola	R Nacional de Angola	9535	3355			AF	Domestic Svc/subject	01/22/95	
2010	Israel	Kol Israel	17575				AF		01/28/95	
2025										
2045	Italy	RAI	11000	9710			Near East		01/22/95	
2030										
2100	Finland	R Finland	11755	9730	6120	963	550	Eu	Sa -2050	
2125	Poland	Poish Radio Warsaw	7205	6135	6000			Eu	12/31/94	
2100										
2400	Costa Rica	R for Peace Int'l	17905U	15050	9400U	7385		LAm/NAm	01/05/95	
2127	Czech	R Prague	7345	5930				Eu/AF	01/07/95	
2200	Russia	V of Russia	9550	7400	7330	7205	7170	7150	6055	
2400	USA	WINB	11916					World Service	01/08/95	
								NAm/Eu/AF	01/18/95	
2200										
1000	USA	WHRI	7315					Eu	testing 5745 00-05 U	
2300										
2400	USA	WVHA	9855					AF/Aus	01/22/95	

FOR SALE: Drake R8. Two years old, \$750.00. Forty foot AD Sloper, \$30.00. Datong active antenna AD370, \$50.00. Sony AN-1, \$30.00. You pay postage. Will entertain offers. Chris Tyle, 1200 Royal St., New Orleans, LA 70116. Phone (504) 524-3308.

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