


NASA

the
JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

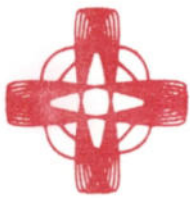
Volume XXXIV, Number 2

February, 1994



HERVAC

1380 kHz
4.82 MHz



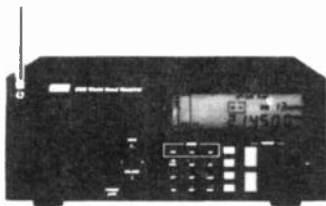
LA VOZ EVANGELICA
Apartado 145-C
Tegucigalpa, D.C.
Honduras, C.A.

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 - 106 MHz
 116 - 136 MHz
 AC Power 100 VAC 60 Hz adapter
 or 8 internal D cells
 Antenna 1 50 ohms unbalanced
 Antenna 2 50 or 500 ohms unbal.
 Antenna FM/AIR 300 ohms
 Selectivity \ominus -6dB Mode
 6.0 kHz AM
 4.0 kHz AM
 2.3 kHz LSB/USB
 12.0 kHz FM
 Ultimate Selectivity >95 dB
 Image Rejection >70 dB -5.30 MHz
 I.F. Rejection \gt dB 55.845 MHz
 >95 dB 455 kHz
 IP3 Intercept Point >+10dBm 20 kHz spacing
 >+20dBm 5 kHz spacing
 Sensitivity 10 dB S+ N/N
 sSB
 \ominus 0.5 μ V -5.18 MHz
 \ominus 0.35 μ V 1.8-30 MHz
 AM
 \ominus 2.0 μ V 1.8-30 MHz
 \ominus 0.8 μ V 5-30 MHz
 FM (20 dB S/N)
 \ominus 0.4 μ V 87-106 MHz
 Freq. Stability \pm 10 ppm -10° to 50° C.
 Freq. Accuracy \pm 100 Hz -10° to 50° C.
 Intermediate Freq. 1st IF = 55.845 MHz
 2nd IF = 455 kHz
 Ext. Speaker Output... 2 Watts, 4 Ohms
 \leq 5% distortion
 Line Output 300 mV, 4.7K Ohms
 Operating Temp. 0° to 50° C.



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 (87-106 MHz) coverage. And it sounds great too! The extra heavy, forward facing speaker, along with a lone control, combine to offer pleasing fidelity. As a bonus the VHF aeronautical band is also featured (118 - 136 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 telescopic whip extends from the front for fully independent field operation.

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 lone controls. Three IF bandwidths are supplied (8, 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. These memory channels may be accessed manually or through "time scan" with each channel monitored for 5 seconds. Keypad entry is provided for 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. Please call to confirm price & availability.

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Optional Extended Warranty to two Years
 Order #0564 \$19.00

PRICING

Drake SW-8
 Order #0088 \$599.00 (+\$8)

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- **Grundig YB-400**
 Receiving rave reviews, this radio has all the right features at the right price. #0040 \$219.95 (+\$5)
- **Sony ICF-SW30**
 A truly affordable digital portable with 15 presets, dual clock/alarm, sleep and autoscans. #2230 \$99.95 (+\$5)
- **Sony IPS-760**
 Sony's latest and greatest GPS. #1089 \$1299.95 (+\$8)
- **Yaesu FT-11R**
 This is one incredible 2M HT! #0808 \$319.95 (+\$4)

PASSPORT TO WORLD BANO RADIO

By L. Magne. A must have book for every worldband listener. Provides complete visual data on all SWBC stations from 2.3 to 26 MHz. See at a glance station name, location, frequency, time, language and power. Plus candid hard-hitting reviews on SW radios. World's #1 selling SW guide. Indispensable! ISBN: 432 p
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WORLD RADIO TV HANDBOOK 1994 Edition

Considered the SWL's Bible with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of SWBC stations. Some equipment reviews, too. A publication for every listener. 48th Edition ©1994 Bill-board. 600 p.
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NASWA Notes

Bob Brown KW3F
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Lansdale, PA 19446
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Packet KW3F @ WB3JOE



Regrettably, I was incorrect last month when I indicated the official notice about the ANARC sponsored *North American DX Championships* ("NADXC") would be published in January's JOURNAL. The NADXC will be held the first weekend in March as mentioned last month. Hopefully, all the information you need will appear in this month's JOURNAL. Good luck to all NASWA members participating in this traditional event. Once again, thanks to the NADXC Administrative Committee consisting of Harold Cones (Chairman), John Fisher and Kris Field for organizing the DX championship.

We had such a strong response from the membership when I asked for volunteers from the membership to host the club segment on the *DX Partyline* that I thought I would try it again. For a number of months the club has not had a *DX'ers Forum* editor. This has been a difficult column to find a replacement editor. I tried to maintain it but the other pressing responsibilities I have

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, Dave Kirby N8JQX, and Ilausie WB4JSP, host an always lively gang of DX monitors. (Best heard in the eastern half of NAM)

associated with the club must take precedence. I need to find an editor that can edit material, write material and/or coordinate the creation of material for a monthly column. Perhaps the column should be restructured somewhat to make it more manageable for the new editor. Once again I ask NASWA members to consider volunteering to edit this column. *DX'ers Forum's* future subject matter and direction will be strictly up to the new editor. Do not feel constrained by previous

Welcome to the following new NASWA members -

D.L. Bashioum, Reston, VA
Ronald Beckman, Omaha, NE
John A. Brodberg, Lansing, MI
Eric Bueneman, Hazelwood, MO
Paul Caldwell, Corpus Christi, TX
E. Dean Coon, Fairbanks, AK
Robert H. Elston, Columbus, OH
Jeffrey R. Goldman, Bridgeport, CT
Paul D. Grote, Hartsburg, MS
Deke Jones, Philadelphia, PA
Joseph P. Lampo, Naugatuck, CT
Richard E. Lawrenson, Tiverton, RI
Greg L. Limeberry, Paoli, IN

James E. Maslek, Trenton, NJ
Stephen C. Mason, Norfolk, VA
R. G. Messenger, Riverview, NB, CANADA
Mike O'Brien, Springfield, MO
Dave Shymanski, Canora, SASK, CANADA
Timothy P. Spiess, Port Huron, MI
Neil Spring, Sandy, UT
Tiffany Strickland, Monterey, CA
Kouichi Tanque, Kagoshima, JAPAN
Hiroshi Tsuchida, Ibaraki, JAPAN
Robert E. Watts, Ayer, MA
Henry Weidman, Sterling, VA

Our Motto is - "Unity and Friendship"

editors styles or subjects covered. Potential volunteers should contact me directly either by mail or Email. As I have said before, many thanks to our volunteers. Without you there would be no club.

Apparently I must have had some wrong information last month when I stated that WWCR began broadcasts to Europe with a country format as a special request of member Gerry Dexter. Rich D'Angelo tells me that Adam Locke provided long time NASWA member Glenn Hauser a correction, which was broadcast on *World Of Radio* #727, in which Locke states it was not at

Dexter's request that the country music program was begun. While the news about the broadcasts to Europe came directly from Locke/WWCR the supplemental information about Dexter came from another source. That latter source was obviously incorrect! Sorry for any confusion this may have caused. Incidentally, Rich tells me that on that same edition of *WoR*, Glenn mentioned he was contemplating "retirement". Glenn Hauser has supplied DX news and information through his *WoR* program and publications for many years as a service to the hobby. Although nothing lasts forever, things would be different without Hauser's broadcasts and

Calendar Of Events

- Feb 16** - Meeting, N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. For info send SASE to: NE Ohio SWLs, c/o Donald J. Weber, P.O. Box 652, Westlake, OH 44145-0652
- Feb 18** - Meeting, Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- Feb 18** - Meeting, The Boston Area NASWA Chapter. Bull Cafeteria, Billerica, Mass. 7:30 PM For additional information please contact Paul Graveline (508)470-1971, or via modem on Tom's BBS, (617) 698-8649 (300/1200/2400 baud), (617) 698-8734 (9600).
- Feb 19** - 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
- Mar 4-6** - The North American DX Championships (NADXC), for more info contact: Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606
- Mar 6** - The Tidewater SWLs meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.
- Mar 11-12** - The 7th Annual Winter SWL Festival, Kulpville Holiday Inn, Kulpville, PA. Registration form in last Journal or SASE to Winter SWL Fest, PO Box 591, Colmar, PA 18915
- Apr 15-18** - Convention 1994 to be held at Camp Iona in North Otago, New Zealand. For more info contact: Convention '94, c/o Basil Jamieson, P. O. Box 179, Oamaru, New Zealand
- Aug 10-14** Radio Comm '94, Holiday Inn, Costa Mesa, CA. For more info send a #10 SASE to: SCADS, 6398 Pheasant Dr., Buena Park, CA 90620

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

publications. Glenn's style is uniquely his own. Long time members will recall that he edited *Listeners' Notebook* for many years before stepping down. On behalf of the club's *Executive Council*, management team, editors and members, we want to thank you for his contributions and wish him well in any future endeavors.

A number of members have expressed an interest in collecting, buying, selling and trading of pennants from shortwave broadcast stations. In order to meet that demand, we are pleased to announce that Fred Kohlbrenner (2641 S. Shields Street, Philadelphia, PA 19142) has volunteered to coordinate a NASWA pennant collectors group. If you are interested, drop Fred a line with

your areas of interest, needs, etc. He will put together a list which will be distributed to all that supply a self-addressed, stamped envelope.

Finally, I'm happy to report that registrations for the *Winter SWL Festival* ("FEST") are arriving at a rapid pace. Kris Field and Harold Cones are hard at work coordinating details for this year's event. Harold has notified me that the program is shaping up and this year's *FEST* promises to be another blockbuster. I understand that the infamous Poncho Villa will ride again on Saturday night. You don't want to miss any of this stuff! See the *Calendar of Events* for information about the *FEST*. I hope to see you there.

Musings

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

Don Moore, 11434 140th St, Davenport, Iowa, 52804-9538

Just after New Year's Day we visited family in Omaha, Nebraska for a few days, and while there went to Omaha's excellent Museum of Western Heritage. They had a special exhibit of old radio equipment, and I highly recommend seeing it, if it's still there, to anyone in the Omaha area. The exhibit was billed as from the Lee Meyerson collection. There was a lot of amateur equipment, which didn't mean much to me, but also a lot of shortwave receivers - Hammurlands, Hallicrafters, Zeniths and other great old names. There were also a few receiver types that I had never heard of before. There was a Breting 9 and a Breting 12 receiver, the '9' covered to 32 MHz. Also on exhibit were a Howard 438 receiver covering through 42 MHz accompanied by a Howard Type 660 preselector and an RME 69 covering through 31 MHz. I am curious if anyone out there has ever used these receivers or other by those companies and can tell a little more about them. There were some old ham QSLs on display as well, and included among them was a 1934 QSL from Radio Illimani, Bolivia. The display was a lot of fun, but Theresa was a bit dismayed to find out that the museum visit would have an unexpected radio connection to it, hi!

On the INTERNET, I subscribe to several mailing lists focusing on Latin American countries. I have set up my own mailing list of interested DXers to which I forward a few items a week that I cull from the other lists. This is mostly cultural & background stuff, such as articles on a festival that takes place on a glacier in Peru, medical care in the jungle, or old Inca temples. If you have INTERNET e-mail and would like to be added to the list, just drop me a message to MOORE@TMU1.MCREST.EDU.

Bruce Lindner, 10603 SE Home Ave., Milwaukie, OR 97222 USA

Those of us that use a computer as an aid to our SW hobby already know about the additional enjoyment it can bring to the hobby. This article is targeted at those of you that don't...and those of you who do...but own a PC.

The debate between IBM clones and Apple Macintosh reminds me of when I was a teenager arguing with my pal (who owned a Chevy) over the virtues and vices of owning a Ford. I'm not here to sell anyone on the Mac, even though I own and love mine. I instead want to tell of a program written for the Mac, and radio enthusiasts. When I decided to buy a computer two years ago, I was teetering between the two platforms. The thing that tipped the balance for me was when I saw a program called Shortwave Navigator demonstrated. I then went out and bought a MacIIx (for those of you who know Macs). The next thing I bought was a little RS-232 interface box made by Kenwood so that my Mac and my R-5000 would speak the same language. Then I sent for the magic potion that makes it all work; Shortwave Navigator. Now I know that this is starting to sound like a commercial, but I assure you that I am writing this out of enthusiasm, and the program's author has not been informed (yet). Shortwave Navigator runs as a HyperCard Stack. HyperCard is best described as a kind of giant Rolodex file. In the case of 'Navigator, over 1,000 cards! When you first open the program, you're greeted with a map of the world. Clicking on an area, say the Middle East, opens up a scrolling field of countries in that area. Say you click on a country, (we'll use Syria for this example), if they're not on the air at that moment the program will tell you when their next broadcast is. If they are on, a card pops up with some icons along the bottom of the screen, and the frequencies in use at that moment. Clicking on a frequency will tune your radio (the program works with Kenwood R-5000, Drake R-8, JRC525 and 535) to the station. Or if you choose, you can click the "scan" icon and have the computer go through all available frequencies at a speed you choose, until you tell it to stop by pressing the option button on the Keyboard! There is a little color flag at the top left corner of each card, the national flag of the current country. Clicking on the flag takes you to a "Profile" card, and plays the I.S. of that country. Cool! The profile card lists broadcast times, and a little info about the broadcaster. Clicking on a time, say Radio Australia at 0800, will show you the card for that broadcaster at that time. There are so many other features in this program, auto-logging (with SINPO), a frequency finder that I use constantly, for instance you want to know when "Letter From America" is on the BBC; Ask the finder feature, and it'll tell you when the next broadcast is on and each succeeding one for the rest of the week. There is also a "I help" stack should you need it, but the program is so self-explanatory, it seems unlikely that you'll need it. Last year the author sent me a new feature called "Frequency Valet". It is the perfect companion to those of us that like ues. It has all the frequencies, modes and times anyone could possibly want to listen to in a week. This works in a similar fashion to 'Navigator. Obviously I'm an elated customer (after nearly 2 years!) and highly recommend this program to anyone in the hobby. It was in fact enough to make me decide on buying my Macintosh, a decision I've never regretted. If you're interested, you can get Shortwave Navigator from Jim Frimmel at DX Computing, 232 Squaw Creek Road, Willow Park TX 76087. I highly recommend it, enough to go out and buy a small Mac as a second computer if you don't already have one.

Steven P. Sprachman, 15 Berry Lane, Hicksville, NY 11801

More Thoughts About the Implications of Satellites for International Broadcasting

I, like Don Moore, have been a shortwave listener/DX'er since the early 1970's. In December 1992, I had a satellite dish and receiver installed on the house (I think to the envy of my neighbors and friends). The amount of video material beamed back from space is tremendous. While my neighbors' cable TV systems have 45 channels, I have a spectrum capability of over 900 channels. I now have the capability of receiving almost all national cable-TV services, most regional sports networks, several LPTV networks and many news and program feeds.

Satellite TV is a complement to Shortwave Radio. I now receive several Canadian services - 3 CBC-English channels, 1 CBC-French channel, 3 French language networks - TVA, Radio Quebec and Television Quatre - Seasons (TQS). I get several regional services - TVO

from Ontario and ASN from Atlantic Canada. Plus, several Canadian cable services - Much Music, Musique Plus, the Weather Net and the Canadian Parliament channel.

On the domestic satellites there is a great deal of international programming. SUR has news and entertainment programs from several South American countries. SCOLA (which is on some US cable systems) has news shows from countries around the world in the original language. Some are from third world nations - Kenya, Uganda, China and the Arab States. At the present time there are 8 channels in Spanish, 2 in Chinese, 2 in Arabic, 2 in Hindi and 1 each in Korean, Russian, Portuguese and Greek. And there are more planned for uplinking in the near future. Two international broadcasters have television services available on the satellites. Deutsche Welle not only has its own channel but its programs appear on SCOLA, Mind Extension University and the Worldnet (the USIA video service). TVS is a French language service on Canada's ANIK E-1 satellite with programs from several networks from France and Belgium. With the exception of Deutsche Welle, all international programming on the satellite are rebroadcasts of the programs being shown to the local audiences back home.

Then there are the Audio Subcarriers. Several International Broadcasters are on the subcarriers - Deutsche Welle, WMRI, BBC, and Radio France International are a few that come to mind. For the international broadcaster, being on satellite gives them a potential audience of 3.5 million households. (What are the number of households in the US that regularly listen to shortwave?)

There is no way right now to predict the future of television in North America. Many people are investing a lot of money on the new technologies that are beginning to emerge that will transform the way we watch television. Digital compression will allow cable systems to add spectrum space without rebuilding the whole system. Inter-activity will allow shopping and banking at home. Cable systems, telephone systems and computer networks will be merged in the near future into the " Great Information Highway ".

Right now cable TV is moving in 3 directions - Interactivity, Video on Demand/Pay Per View, and Narrowcasting. In the not too distant future, when more cable systems are expanded into 200 or more channels, there will be room for what I call the video magazine rack. Some narrowcasting services now available are Court-TV, Sci-Fi Channel, Television Food Network, Country Music Television and the Cable Health Club. And more are coming - the Military Channel, the Crime Channel, Hi-TV (History-TV), Game Show Channel, How-To Channel and Romance Channel, just to name a few. I feel that International Television will be a part of this "Magazine Rack". A channel made up of newscasts and magazine shows from different countries in English would probably be acceptable to many cable systems. When cable systems reach the 200 or 300 or more level of channels, these systems will be in desperate need of inexpensive ("read my lips" free!!) programming and international broadcasters can fill this need and create an audience for their services. In metropolitan areas with large language minorities, several channels can be set up in each language. It may be interesting to watch a version on MTV in Chinese, or the QVC home shopping network in Greek!!

The difference in technology make the uses of satellites and shortwave different. While you can't take a satellite to the park, or your office, the international broadcaster can not beam television programs overseas using shortwave (I've always wondered if by using a digital compression technique, a television signal can be compressed to the point where it would allow for its transmission over a shortwave frequency.). Shortwave Radio and Satellite Television will live together side-by-side for many years to come. But, in order to gain access to new audiences, International Broadcasters will have to go into television. And we will find that there will be a great deal of variety and a high quality of programming. Deutsche Welle has proven that International Television can and does work.

Pete Grenier, 3190 Elaine Way, Sparks, NV 89431

I just wanted to add something to the "Musings" section. I am referring to the comments by Robert Pietraszek in the November '93 JOURNAL. Yes, I was around the hobby in those days when WRUL-WNYW was on the air and I was a member of Radio Canada's Shortwave Club also around that time I was a member of NASA, no not the space agency, the name of NASWA back in those days. Speaking of WRUL, can anyone name any of the on-air personalities? I know I can't!

Also, I wanted to mention that along with NASWA I also belong to the AMERICAN SHORTWAVE LISTENER'S CLUB (ASWLC). I have been a member since 1976 and have edited several columns since 1977. Currently I edit the AMERICAS section and wanted to tell all the membership of NASWA that, yes, the ASWLC has had some problems the last few years but we are back in 1994 publishing on a monthly basis and I invite anyone to send in for a sample copy, just send \$1.00 to cover postage to: ASWLC, 16182 Ballard Lane, Huntington Beach, CA 92649.

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

Our last DXpedition for this DX season was held in January at our usual location - the legendary home of great DXing - Gifford Pinchot State Park. The East-West Pennsylvania, Central Maryland and Northern Virginia NASWA Chapter enjoyed good DX conditions while the surrounding world suffered through terrible ice storm. Hans Johnson, Fred Kohlbrenner, Dave Valko and myself were joined by first time participant Tony "Iron Man" Orr who vowed not to sleep for three days. For many reason this 3-day adventure is known as the "Fire and Ice" DXpedition.

I first met Tony while he was struggling up the snow packed access road to the cabin late Thursday afternoon. Because of the all white surroundings it was difficult to spot the parking area for the cabin. Consequently Iron Man slowed down and had trouble making it over the rise before the parking area. After a short "hello" we managed to get Tony up the hill. I arrived in a business suit having come from a work related meeting in Harrisburg earlier in the day. After unsuccessfully trying to convince the guys we should dress more formally while DXing, I changed into the usual NASWA garb.

The early arrivals, Fred and Hans, strung some antennas to share. There seemed to be some disagreement over the length of one antenna as Hans insisted it was 200 feet but Fred thought 120 feet was the maximum. Oh well, apparently length isn't everything. Thursday evening was our first near fatal mishap after all these affairs. Hans, seeking to be a little different, decided to prepare an exotic flaming shrimp dinner. He got a little carried away on the flaming portion of the meal and nearly burned the cabin down. His army training kept him cool under fire as he screamed for help! Fred unplugged his NRD and headed for the car. I turned around to watch Hans' eyebrows disintegrate as he placed the flaming pan into the sink and put out the fire. Iron Man Orr never budged as the DX was too good! The "Fire and Ice" DXpedition was beginning to heat up. Needless to say, Hans discarded the roasted shrimp and made himself a DXers sandwich - the Kohlbrenner.

Dave Valko arrived after the flaming shrimp excitement. Not to be outdone in the exciting adventure department, Dave proceeded to go out into the cold, icy, dark Gifford Pinchot night with a flashlight and antenna wire to string yet another antenna. We could see Dave's light down by the lake and wondered if we would ever see him again. It's not that we are terribly fond of Dave but his mother supplies us with the best desserts and we would miss those. Mrs. Valko's blueberry pie was the hit of the weekend. Come to think of it, every pie she has made us has been the hit of our weekends!

While the rest of us turned in by midnight, Iron Man Orr stayed up all night. Friday morning DX was sensational. Most of us were totally absorbed on the bands when Hans decided to

make biscuits for the gang. Remembering the previous evenings flaming shrimp catastrophe, I must admit to a little apprehension as Hans lit the oven. However, he managed to make some outstanding biscuits, a new tradition at GP, without damaging the facilities. For some reason DXers are never happy. At 1130 UTC, while still pitch black outside, Hans decided to lengthen one of the antennas.

During the day on Friday a number of significant events occurred. First, Tony Orr caved in and got some sleep. The second was a major ice storm that hit the Harrisburg vicinity which closed down most of the surrounding roads. The northeast was experiencing a brutal ice storm which later was covered with some snow. It looked like we could be a Gifford Pinchot a little longer than originally planned. After checking our food supplies, it was determined we could easily make it through Monday, if necessary. Dave Valko scouted around in the evening and got an update from the park ranger. It began to look like our 10th trip to Gifford Pinchot was going to be a very long DXpedition.

Newcomer Tony Orr fit right in with our crowd. I don't believe that is a compliment. Besides long hours of DXing, Tony contributed a new drink to test our gourmet taste buds. It's a tea product that claims to taste like a 100 buffaloes. Why anybody would voluntarily drink buffalo juice is beyond me. The taste was not exactly something I would look forward to again.

Saturday morning saw the great NASWA ice scrapping event. The half inch thick ice took a long time to clear away. We speculated on the chances of getting out of the park since our vehicles would have to climb a fairly steep ice covered hill to do so. Later that day, Hans and I ventured up the hill on foot, while Dave was erecting yet another antenna, to the front office to call our homes. It was a difficult walk and we weren't sure if our cars could make it up the snow and ice covered road. When we returned, it was decided to send a test vehicle up the hill. Not one to back down from a challenge or to use common sense, Fred hopped into his car and climbed the hill without any problems. If conditions remained the same, we were confident we could all leave the next day.

Our only disappointment during the long weekend was the lack of pirate radio activity on Saturday evening. Fred and I heard four pirate broadcasts a year earlier with the highlight being He-Man Radio's "Red Rubber Ball" program. Perhaps He-Man would consider a special repeat broadcast during one of our DXpeditions next season?

All in all, Gifford Pinchot #10 was another successful DX event. Our evil minds are working on modifications for next seasons DX adventures. I'll keep you posted!

73 - RAD

Anonymous MUSING from a NASWA member
1994 WRTH Slick cover empty insides-a mini review.

If you haven't bought the 1994 WRTH yet like I did-good. When my copy arrived early in January, I eagerly turned to the African section to see what was new. Not only wasn't there anything new, alot of what was there was inaccurate. Two short examples will suffice: Comoros listed as active on shortwave, Yeah sure. They have been off since late 1992 ! Ghana signing off at 2305. Wrong, 0100 since the middle of 1993. I eagerly await my fellow dxers and swlers impressions of the 1994 WRTH.

(name withheld to protect my family)

Easy Listening

Richard D. Cuff
213 Parkview Avenue
Allentown, PA 18104-5323
GENie R.CUFF
MCI Mail 375-4854
Prodigy NCHT70A

Radio Finland

The Nordic countries have a higher than normal profile this month due to the winter Olympics. Finland is one of the two Scandinavian countries with daily English language broadcasts, with Sweden the other. Finland's English programming resembles that of Radio Austria International: it does not report on world or even pan-European events unless they specifically relate to the domestic scene. Radio Finland does feature news from its Scandinavian neighbors, however.

Program Format

I've been listening to the 1330 broadcast to come up with the general pattern of Radio Finland's broadcasts. The half-hour broadcast starts with a program called **Compass North**, featuring news and current affairs of the Nordic region. At least half of the stories have Finnish content or relevance. **Compass North** normally concludes with a review of the Finnish press.

A series of rotating programs normally follows; Mondays, **Business Monday**; Tuesdays, **Sports**; Wednesdays, **Environmental Issues**; Thursdays, **Finnish History**; Fridays, **Highlights**, and Saturdays, **Capital Coffeebreak**. I've sampled all these program segments except for the Friday and Saturday features.

Each broadcast generally concludes with a short human interest feature called **Close-up**.

This format is followed in the 1230 and 1430 releases of the program; English programs air Mondays through Saturdays, with the 1430 release also including a Sunday program. The Sunday program has a feature found on only one other international

shortwave program: a feature in Classical Latin. I believe Vatican Radio is the only other broadcaster with a portion of its programming in Latin.

Review

Radio Finland's English broadcasts are an entertaining and fast-moving half-hour. It sounds like most of the program presenters are of North American origin, as there are few British accents. The broadcasts are tightly produced, except for the announcement of satellite programming slated to begin January 1, 1994. This announcement aired daily into late January at minimum.

Frequencies

The 1230 broadcast airs on 15400 and 11735 kHz; the 1330 airing, 15400 and 17740 kHz; the 1440 airing, 15400 kHz.

Radio New Zealand International

Hans Johnson and Ralph Brandi both forwarded information recently on RNZI. Here's a sampling of English language features at times of favorable North American propagation:

- 0500-0505 M-F: Pacific Islands News
- 0530-0600 Tuesdays: **Ears**, a program for children
- 0600-0630 M-F: Pacific Islands News Magazine (RNZ Domestic)
- 0630-0700 Thursdays: Feature Interview
- 0730-0800 Tu-Fr: **Checkpoint**, a daily news magazine
- 0830-0900 Alternate Thursdays: **Mailbox**
- 1010-1040 Thursdays: Feature Interview

Frequencies

15115 kHz from 2137 to 0658; 9700 kHz from 0658 to 1206 or 1230 UTC, depending on the day.

New Mailbox Presenters

Fijian Myra Oh, along with Frequency Manager Adrian Sainsbury and veteran DXer Arthur Cushen, will be replacing Tony King as Mailbox presenters. Tony's role as Listener Services Manager will be taken over by full-time RNZI staffers.

BBC World Service Highlights

News and Features

British politics can be as interesting as American politics when it comes to issues of improprieties and other inappropriate behavior. **People And Politics** is a regular weekly feature probing current issues in UK political affairs. Often members of opposing political parties will debate a particular issue on the air. **People And Politics** airs Fridays 2215, with repeats Saturdays 0230 and 0730.

Wednesdays beginning February 2nd, 0130: **What's News?** is a new nine-part 15-minute installment of the youth-oriented news program hosted by Sarah Ward. World leaders, politicians, and other newsmakers field questions sent in by young listeners. Address your questions and comments to Sarah Ward, *What's News*, Bush House, Strand, London WC2B 4PH, United Kingdom. Repeats Wednesdays 0930 and 1715.

Friday, beginning February 11th, 1215: **The Rise and Fall of Apartheid** is a two-part, 30-minute series, told entirely from BBC archives, that provides a firsthand account of why the government embarked on the policy of Apartheid in the first place and why it has now been abandoned. In the first program, Martin Plaut traces the origins of apartheid from 1632—the first white settlement in South Africa—through the crishing of black opposition in the '60s. The second program begins with the resurgence of black politics in the 70s and concludes with the presidency of F. W. de Klerk and the release of Nelson Mandela. First airing 0730; repeated 1930.

Sundays, beginning February 13th, 0230: **The Art Of Travel** is a new five-part, 30-minute series in which distinguished travelers reflect on special journeys they've made. A single traveler is profiled in each installment. Black Caribbean writer Caryl

Phillips' 1984 journey across Europe is profiled on February 14th; Tim Severin, who constructed a banana-shaped leather boat and set out to show that Irish seafarers could have crossed the North Atlantic long before Columbus, is profiled on the 21st. Repeated Sundays 1615, Mondays 0730.

Mondays, beginning February 21st, 0415: **Animals Of Power** is a six-part 15-minute series exploring folklore and beliefs about animals from prehistory to today. Animals have been attributed to success in hunting and battle, good health and wealth, and fertility. Repeated 0915 and 1515.

Mondays, beginning February 28th, 1635: **Give Us Our Daily Bread** is a new 5-part 10-minute series on the various cultures and traditions of bread. You can aurally sample American bagels, Italian and French bread, and the tandoor oven. Have a note pad handy, as there are lessons on home breadmaking. Repeated Tuesdays 0750 and Wednesdays 1235.

Music and the Arts

Sundays, 0101: **Play of the Week** features three new plays specially commissioned by the BBC World Service. February 6th: **Rules Of Engagement** takes a topical look at the reporting of ethnic conflict and the effect such conflict has on individual lives. The principal characters are an American fighter pilot, a British journalist, and two Djaheristani (one of the two fictional countries in conflict) friends of different religious faiths. February 13th: **Mr. McNamara** looks at the role Ireland played in World War II. The principal character is a teenage boy (Michael) whose father owns a flour mill and regularly meets a special friend, Mr. McNamara, in a local bar. Michael's father suddenly dies, and Michael rides into Dublin to search out the bar where his father used to meet Mr. McNamara. Michael discovers something which is not at all what he might have expected. February 20th: **Siggie And Carl** looks at the friendship between Sigmund "Siggie" Freud and Carl Jung and how this friendship turns to petty jealousy, then suspicion, then to outright hostility. The play draws heavily on the intimate correspondence between the two. Repeats 1201 and 1901.

Mondays, 2315: *On Screen* is a weekly 15-minute series on current moviemaking. February focuses on Hollywood's enduring love affair with wild men, wild women, and the wild, wild west. The success of Clint Eastwood's *Unforgiven* has spawned efforts to revive the legendary heroes of the era. Repeated Tuesdays 0445 and Fridays 0930.

Fridays, beginning February 11th, 0030: *No Money, No Music* is a three-part 30-minute series looking at the changing face of musical patronage through the centuries. The series follows a chronological pattern, with the first installment looking at the role of the church and the aristocracy, and the subsequent installments looking at subjects like the paying public and state and corporate subsidies. First airing Tuesdays 1030; also repeated Fridays 1715.

Light Entertainment

Thursdays, beginning February 10th, 0030: *Laughing Aloud* is a three-part 30-minute series consisting of humorous readings. The February 10th edition has Peter Marinker reading Kurt Vonnegut's May 1978 speech to the graduating class of the State University of New York College at Fredonia, in which Vonnegut speculated on the nature of jokes. The February 16th edition has Sheila Steafel reading her account of the filming of Henry Miller's book *Tropic Of Cancer*. First airing Wednesdays 1530, also repeated Thursdays 1030.

Tuesdays, beginning February 8th, 0230: *Slightly Foxed* is a new 6-part batch of 30-minute literary quiz shows. First airing Sundays 2030; also repeated Mondays 1215.

Tuesdays, beginning February 15th, 0030: *Screenplay* is a new 7-part batch of 30-minute celebrity film quiz shows. First airing Mondays 1715; also repeated Wednesdays 0830.

BBC Frequencies—Clip And Save

I received a note just before finishing this month's column from Bob Lowry of Phoenix. Since Tom Sundstrom's monthly frequency updates don't include the beeb, there's no ongoing listing of BBC World Service frequencies. Here are the frequencies shown for the two North American target areas:

Canada/USA Central/Mountain/Pacific
5975 kHz: 0000-0730
7325 kHz: 2300-0430
9590 kHz: 0030-0230
9640 kHz: 0500-0815
9740 kHz: 1200-1400 (-1515 weekends)
11820 kHz: 1300-1400 (-1500 weekends)
15220 kHz: 1100-1400
15260 kHz: 1400-1745
17840 kHz: 1400-1615

Canada/USA Atlantic/Eastern

5965 kHz: 1100-1130
5975 kHz: 2300-0430
6175 kHz: 2300-0330
7325 kHz: 2300-0430
9515 kHz: 1100-1745
9590 kHz: 2100-0030
15220 kHz: 1100-1400
15260 kHz: 1400-1745
17840 kHz: 1400-1615

Your mileage may vary; actual mileage may be less.

In Conclusion

Thanks to Hans Johnson, John Figliozzi, Bob Lowry, and Pete Grenier for your comments and requests this past month. See you next month at the Winter SWL Festival!

Until next month, 73 DE Richard

Net Notes

Nicola Barringer may have claimed on *Write On* a few weeks ago that the BBC World Service didn't have an e-mail address for listeners to send comments on programs to, but this is no longer true. Colin Wilding of the International Audience Correspondence department, which handles audience research and all mail coming into Bush House, has set up the following Internet address for listeners to forward their comments to: iac@bbc-ibar.demon.co.uk. Since the address was announced on the rec.radio.shortwave Usenet newsgroup, the BBC has been deluged with e-mail. It should be a small addition to the 600,000 letters they get each year.

Latin Destinations

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



Hola amigos! Welcome to another Latin Destinations. We have a sort of bi-national column this month; first Mexico, then Peru. The big Latin American story of the past few weeks is, of course, the uprising in Chiapas, Mexico. As you may remember from my August column, Chiapas was originally part of Central America and briefly independent before becoming part of Mexico. The Chiapan highlands are Mayan and, essentially, an extension of the Mayan region of western Guatemala. Indeed, the only difference between the two regions is an artificial line drawn on a map by diplomats. In fact, comments by officials and journalists that the guerrillas' accents sounded like Mayan Guatemalans show how little those people know about Chiapas. Of course the Chiapan guerrillas sounded like the Guatemalans - they're the same people.

In 12/83, I spent a few days in San Cristobal de las Casas, a city of 80,000 and the largest of the towns that the guerrillas took over, however briefly. It felt like Central America. From SCC I took the bus to the Mayan ruins of Palenque in northern Chiapas on a narrow dirt road that runs through Ocosingo, where the heaviest fighting was reported. I remember Ocosingo as a rather typical backcountry Central American town. It was about halfway on the six hour trip, and the bus stopped in town for about fifteen minutes so passengers could get snacks and sodas.

If you believed news reports here in North America, you would think that everything had been peaceful in Chiapas and that the revolt came out of nowhere. While the sudden surge of success was probably a surprise to everyone, in reality this conflict has been simmering for a long time. The highland Mayan are a very closeknit people who continue to live much as their ancestors did. Traditionally, each town owns the

surrounding farmland communally under what is known as the "ejido" system. Each family is assigned plots based on its needs, and a few plots are set aside to grow crops for the elderly, orphans, and others who cannot work. Historically, these land titles have been protected by law in Mexico, but in recent years the laws have been watered down in the name of privatization, which in Chiapas has become a codeword for taking land from the Mayans and giving it to big cattle ranchers. When towns protest, their leaders are assassinated and the army is sent in to terrorize the townspeople with beatings and rapes for a few days. And the highland Mayans of Chiapas are being turned from impoverished people with full bellies into impoverished people with empty bellies. Empty bellies make good guerrillas.

Fighting here is not new. Dr. Mike Salovesh, an anthropologist at Northern Illinois University, has made numerous visits totally over five years since 1958 to study the highland Mayans of Chiapas. On the INTERNET Central American discussion list, he noted that "there were incidents (suppressed... for political reasons connected with NAFTA) last May. Ocosingo went into a state of siege several times since 1974, and lots of other towns have seen the same..." He goes on to explain how many towns have seen fighting over the past twenty years, with battles sometimes lasting all day.

The Mayans have gotten their weapons from a variety of sources. Ironically, they first came from the Mexican government. Government agencies provided towns with weapons and provoked fighting between adjoining towns in a "divide and conquer" approach. This only worked so long. Other weapons were purchased from across the border, from corrupt Guatemalan army officers or Guatemala's URNG guerrillas.

More recently, drug dealers have been buying up crates of old Contra weapons in Nicaragua and selling them as a sideline while smuggling drugs through Chiapas. Furthermore, Dr. Salovesh points out that "clandestine radio, with sophisticated equipment, was widely distributed by 1990..." He doesn't give specifics, but perhaps as this rebellion continues we may be hearing more from Chiapas...

RADIO MARAÑÓN

Peruvian stations in the tropical bands tend to come and go with the seasons, so it's not that big of a deal when one reactivates. But I've been pleased to hear Radio Marañón once again active on 4835 kHz in the morning. They sign-on at 1000 and can be heard with local announcements and huayno; until Guatemalan powerhouse Radio Tezulutlan comes on, usually at 1100. Radio Marañón is one of several Catholic-run grass-roots stations in Peru, such as Radio Quillabamba, which I featured in the 2/91 column (available through the NASWA reprints service). I've dug out my copy of "Radio y Comunicación Popular en el Perú" and looked up the chapter on Radio Marañón to see what it had to say. The chapter was written by Jose Luis P. Maldonado, a Jesuit who worked there when this book was published in 1987.

Radio Marañón is located in the town of Jaen in the northern part of Cajamarca Department, not far from the Ecuadorian border. As noted above, this is a Roman Catholic station and is owned by the Archbishopric of Jaen. The coverage area includes a lot of towns familiar to DXers, such as Huancabamba, Chota, Cutervo, Bagua, and Rioja. It is not these towns, however, but rather the rural areas around them that Radio Marañón directs its programming to. The station's principal objective is educating the campesinos, or rural peasants, in the hinterlands where the Andes mountains meet the Amazon jungle. Radio Marañón has little competition for the listenership of the campesinos. The commercial stations in the region all aim their programming at the people in the towns, since that's who has the money to buy their advertisers' products. Studies by Radio

Marañón have shown that the campesinos sometimes listen to shortwave stations from Ecuador and Colombia for their music, but that doesn't detract too much from the station's listenership.

Radio Marañón tries to keep in constant contact with its audience, which is not an easy feat when the listeners are scattered across a large area and most of the roads are little more than dirt tracks. But priests who travel from village to village saying mass also talk with the villagers about their lives and problems and how Radio Marañón's programming serves them. This information is fed back to the station. Periodic courses are given in Jaen for lay leaders, and when they come to town station staff listen to what they have to say. And, of course, there are listeners' letters. We might sometimes think that stations get overloaded with DX reports, but stations like Radio Marañón may get a hundred local letters for every DX report!

Education of the campesino is the guiding principal behind all of Radio Marañón's programming. But the station staff understand that education is not just learning facts. An important aspect of the programming is teaching the peasants critical thinking skills and helping them understand their role and their culture's role in the world around them. In fact, shortly after getting started the station got a first hand look at the peasants' lack of critical thinking skills when it first polled listeners on which programs they most liked or thought were most useful and those they least liked. The results were that every program was liked equally well and was equally useful!

So, what kind of programming does Radio Marañón broadcast? As with other Latin American stations aiming for a rural or small town audience, the main listening times are around sunrise and sundown, which is when the campesinos are most likely to be around their radios. The morning broadcast focuses on education with news, information on growing various crops, and brief lessons in Peruvian history, geography, nutrition, sociology, physics, and the Bible, among other things. Traveling priests distribute free notebooks for listeners to use while listening

to these broadcasts. Most educational programs are repeated later in the day for those who might miss them in the morning.

News is considered especially important at Radio Marañon and there is a daily fifty-minute newscast as well as several shorter ones. Good newscasts are seen as another way to educate the listeners and help them form opinions of the world around them, and should be devoid of the sensationalism and factual manipulation sometimes found in small station newscasts in Latin America. For international news, the station daily monitors Spanish newscasts from the BBC, Radio Netherlands, Deutsche Welle, and the Voice of America. For timely national news, they listen to Peruvian stations in the larger cities; other news is taken from national newspapers, which arrive in Jaen several days after being printed. Finally, for local items, Radio Marañon has over two hundred volunteer correspondents in its target area who send periodic reports of their local news and events. With inadequate transportation and postal services, these reports take days or even weeks to arrive, but fortunately most are not overly time-sensitive.

Among other special programs on Radio Marañon are "Encuentro", which addresses social issues, such as hygiene, delinquency, honor, respect for the aged, etc, "Mesa Redonda" where station staff, church and community leaders debate local issues, and "Personajes" which each week looks at the life of either a famous Peruvian, or a famous individual in the history of the Catholic church. "Radiola" is the program where listeners can send greetings and messages to one another, as is commonly done in Latin American radio. Music programs include folk music in the early morning and romantic and pop music later in the day. Although Radio Marañon is a religious station, the staff realize that most of the listeners would be bored by strong doses of religious programming, so religion is restricted to a few brief prayers and Bible verses throughout the day. The exception, of course, is Sunday, when there are several lengthy programs of religious instruction plus two broadcasts of mass from the Cathedral.

So, pull yourself out of bed some morning (hi!) and give Radio Marañon a try! Buena sintonia y hasta luego! Don

On-Line Services and Shortwave Radio

*by Brian Boulden**

Today's Shortwave Radio Listeners have more options to obtain current information than those just a few years ago. With the arrival of the computer bulletin board or BBS the SWLer can get up to date information almost immediately. By use of the On-line services the avid shortwave listen can be in contact with many other SWLer's as well as many stations world wide.

What is a BBS?

The computer bulletin board systems are centers that can be contacted by anyone with a computer, modem and telephone line. By calling up these centers the user can have accesses to files, chat areas, and message areas. These Areas cover just about every topic under the sun from Shortwave Radio, I Am Radio, Wine and Food . . . But for ease we will look at the radio areas of these BBS' and their systems.

On-line services require the use of an up-front communication program other than the one that you would normally use with your modem.

* 480 Pacific Ave.
Fairfield, CA 94533-2130

AMERICA ON LINE

AOL is one of the newest on line services today. It like many other on line services operates their SWL area within the ham radio sections. The "Club" is run by Terry Stader. Although there is little "current" activity on AOL, they are doing much to make it more exciting.

"As you might have guessed the "club" has evolved into more than just a place for hams" says Stadler. "We now have a quite sizeable area for SWLers and almost any radio monitoring enthusiasts! As the club has grown we have expanded to have a Shortwave Listener's Conference weekly. Here is where the SWLer (or even the curious) can get a chance to interact in real-time with others who might have his (or her) interests. We have built up the library to support many of the same DX radio schedules found on the major news groups from the internet. We get Sweden Calling DX right from the author as well as updates by many of the other major contributors to the SWL hobby,"

Future plans call for having guest speakers in the AOL Conference Room to talk about a particular special, where people can ask questions line and on line

You can try America on Line for 10 free hours with no obligation, call 1-800-827-6364 Ext.6285.

COMPUSERVE

The largest of all the pay on-line services. Compuserve boasts of over one million on line members. Of course not all these listen to Shortwave Radio. The Compuserve Shortwave Radio area is one part of the HamNet Forum. As with other on line services this area includes all types of radio communications such as Ham, SWL, RTTY, packet et al. Once inside the shortwave area one can discuss all aspects of the hobby.

Most of the shortwave area deals with discussions on equipment used by listeners. Very little, if any, is used to discuss logging, QSL's and other more current information.

It is a shame that Compuserve, with it's large membership and database, does not give the shortwave listener more diverse information.

GENIE

Genie Services is a division of General Electric Company in Rockville Maryland. Although many have looked at GENie as second to Compuserve, for the Shortwave listener it offers one of the finest selections of materials for the Shortwave Listener. The other on-line services may wish to take a look at GENie. The information for the shortwave listener is complete and extensive.

The RADIO RT, as it is called is run by Larry Ledlow. " I founded the RADIO RoundTable just over three years ago. My personal interests in shortwave radio began nearly 25 years ago. I am an avid listener to anything under the sun, and I hold amateur Extra Class license with the callsign NA5E. "

Genie prides itself on having the most up to date information for it users. Genie uses DOS, Macintosh and Windows programs for its Front End software (Due out in early 1994). The DOS software called Aladdin, can be download from GENie upon sign-up. The Macintosh and Windows programs can also be requested at no charge from GENie client services.

On Sundays at 9:00 p.m. (EST) GENie subscribers may attend an RTC (Round Table Conference) on line for Shortwave listeners.

You can try GENIE for 10 free hours with no obligation, call 1-800-638-9636 (voice) for instructions.

SHORTWAVE FIDO-NET

Unlike the other on line systems listed here the Shortwave Fido-net is free. It is carried by many of the local BBS systems. The Fido network also has areas covering dozens if not hundreds of subjects. The SWL Fido Net is run by Fred Hatfield. Messages on here are plentiful. There is most likely more new posts on here than any other board. It is not uncommon to see as much as 150 new messages with in a day or two. Many well known SWL'ers take part on the SWL Fido, including Andy Sennett and Tom Sundstrom. Although current and up to date information is included, there is a large amount of non-Shortwave information on it. Not all posts are related to shortwave, the system operators do their best to keep things related to the subject. Ham, packet, RTTY and other radio forms have their own fido-net areas available to them.

The Fido networks do not require any special up-front software. But with the extent of messages that are on this network, you might want to get an off line reader. A good one is Blue Wave (version 2.12 is the most current). Blue wave is available on many local BBS' as a download. Talk to your local system operator for more information on Blue wave.

MAIL VIA ON-LINE SERVICES

The SWLer need not be a member of all on-line services to transmit mail from service or another. All the services, except Shortwave Fido-Net, take part in Internet mail services. Thus if you are on any on-line service, you can write those on any of the other services, as well as those with an Internet address. This applies to mail only. You cannot read from the Forums or Roundtables unless you are a member of that service. Some major Shortwave radio stations now except Internet mail. Richard Cuff's column in the December 93 "Journal" listed several internet addresses of major broadcaster. Now, you can contact HCJB without waiting three weeks for the letter to get there. The letter, via Internet, arrives in just a few moments. Below are some address to help you out. Please refer to the on-line help screens to get more information.

AMERICA ON LINE - Sending from America on Line to:

CompuServe	12345.6789@cis
GENIE	name@genie.geis.com
HCJB Radio	english@mhs.HCJB.com.ec
Internet	jdoe@abc.osu-cis.edu
MCI Mail	name@mci

COMPUSERVE - Sending from Compuserve to:

AOL	Internet:jdoe@aol.com
GENIE	Internet::jdoe@genie.geis.com
HCJB	Internet:English@mhs.hcjb.com.ec
Internet	Internet:jdoe@abc.osu-cis.edu
MCI Mail	MCIMAIL:1234567

GENIE - Sending from GENIE to:

AOL	Internet:jdoe@aol.com
CompuServe	12345.6789@cis
HCJB	Internet:English@mhs.hcjb.com.ec
Internet	Internet:jdoe@abc.osu-cis.edu
MCI Mail	MCIMAIL:1234567

Listener's Library

T. J. "Skip" Arey WB2GHA
P.O. Box 644
Waterford Works, NJ 08089
GENIE T. AREY1

It's hard to play at radio monitoring without becoming somewhat interested in how all those little electrons move about to get their job done. Not everyone comes to the hobby from a professional electronics background. With the possible exception of those few facts about basic DC circuits that my high school teacher Col. "Blinky" Austell taught me, I've pretty much stumbled along on my own. Good texts on electronics, geared toward the hobbyist and not the professional, are as rare as Alice Branigan's prom pictures. When I locate a good teach-yourself book, I always like to tell folks about it.

well you have learned the concepts. Miss a few questions? No problem! Just go back over the information and try again and again until you get it right. No steely eyed instructor pushing you up against any deadlines.

Since a basic electronics course at a community college or vocational school will run you in the neighborhood of \$150 - \$200, you can get a good grasp of the same concepts for about \$25. Perhaps you or someone you know is considering entering the electronics professions. Horn's book is an inexpensive way to get an idea if electronics is likely to be your cup of tea. This book would make a great gift for any high school junior or senior who is beginning to "find" themselves.

BASIC ELECTRONICS THEORY 4TH EDITION

by *Delton T. Horn*
688 pages
\$24.95

Tab Books
Blue Ridge Summit, PA 17294
ISBN: 0-8306-4199-8

Delton Horn is an electronics technician who has long been known for sharing his knowledge with folks. Horn has written over 30 books geared toward the electronics hobbyist, any of which would be a useful addition to a radio monitor's collection. BASIC ELECTRONICS THEORY is a comprehensive, self-paced course in those aspects of electronics that are useful to the radio hobbyist. You could easily read through this book over a couple of weeks of lunch hours and begin to get a handle on such concepts as transmitters, receivers, antennas, swr, propagation amplification and modulation.

One section of the book stood out as especially timely. Horn gives quite a few pages to the current controversy over health concerns and electromagnetic fields. Horn cuts through the alarmist notions that have drawn a lot of press in recent months by presenting the real science of the subject. If you want to set your mind at ease about this issue, this book will teach you about ELF and much, much more.

This book does throw a bit of math your way. Horn starts to dig into Kirchoff's laws in chapter 4. Fear not all you math weary readers. This is math with a purpose! You work your way through basic electronics mathematics by using the formulae to analyze circuits and predict results. The math theory is laid out in such a fashion as to allow you to return to it for future reference in case you get rusty on the concepts. It's not exactly "Math Without Tears" but it does present some very sophisticated stuff in a way that even a self confessed math wimp like myself can understand.

Everything is broken down into bite sized chunks for easy understanding. Each chapter includes a self-test to allow you to gauge how

Horn's book contains over 800 illustrations. The book also contains dozens of simple projects and experiments that will allow you

to burrow the information deep into your gray cells. They say when you are ready to learn, a teacher will come. Horn's book just might fill the bill for any electronics hobbyist.

THE ANTENNA HANDBOOK

A Guide to Understanding and Designing Antenna Systems

by *W. Clem Small*
201 Pages
\$12.95

Grove Enterprises
Brasstown, NC 28902
ISBN: 0-944543-07-3

Clem Small has written the Antenna Topics column for Monitoring Times magazine for quite some time. Wisdom from his column and much more appear between the pages of THE ANTENNA HANDBOOK. Clem is an extra class ham KR6A and a CET (Certified Electronics Technician) with over forty years of experience in radio communications. Put plainly, this guy knows some stuff about radio!

I have always been of the firm belief that you can never have enough books on antenna design and theory. For most radio hobbyists, the antenna is the one part of the system that can be easily and inexpensively modified and improved. You can have a multi-thousand dollar shack that won't hear anything if you haven't optimized your antenna opportunities.

Clem's antenna designs are all extremely practical in terms of both application and equipment. You will not need to venture any further than your local hardware store and Radio Shack to acquire everything you need to bring Clem's designs into your back yard. I have always been jealous of Clem's ability with pen and ink. His illustrations that support his construction techniques are some of the best in the industry.

Clem has a special appreciation for unusual antennas for unusual locations. The section on UFO antennas is a must read. Don't get all excited. These are not antennas for contacting "distant" relatives. UFO stands for Utilizing

Familiar Objects. Viable antennas are all around you if you just take a few minutes to read Clem's notions on such matters. Once you finish this chapter you will never travel anywhere without an alligator clip.

The book also includes a fine chapter on antenna testing and troubleshooting. With a little judicious tweaking and trimming, almost any antenna design can be improved upon. Clem guides you through the antenna testing process and makes some recommendations about the various test equipment available for this process.

Interspersed between all of the antenna designs and theory, the reader will find tons of fascinating radio lore. You will learn about the largest and smallest antenna designs. You will also learn about how radio pioneer Lee De Forest used small trees as ground rods. Successfully too! Clem's long experience as a radio hobby columnist makes for easy and fun reading. The book is supported by no less than eight appendices to give complete support information for all of the book's antenna designs. Those of you out there in NASWA land who are also ham radio operators will find that most of Clem's designs have transmitting applications as well.

SHORTWAVE SIDELINES

Speaking of radio monitors and ham radio, a lot of longtime shortwave listeners are finally dipping their toes into the amateur radio waters. This has come about due to the new "No-Code" Technician's class license. Getting involved in the transmitting side of the radio hobby can be great fun. If you upgrade to a General class license, you can join in the fun on the ANARC SWL net every Sunday morning at 10 AM Eastern Time on 7240 kHz LSB. Hey, why should Bob Brown be the only person to complain about my signal???

Anyway, amateur radio has changed more in the last ten years than it has in the last fifty. Computers and amateur radio have been married into several exciting new modes, the equipment is better than ever and there are still greater challenges and opportunities ahead. All of this can be a bit confusing to

even the most dedicated radio monitor who has decided to step up to the mike. Fortunately there is at least one new book out there to help you along.

THE BEGINNER'S HANDBOOK OF AMATEUR RADIO

Third Edition

by Clay Laster, W5ZPV

395 Pages

\$21.95

Tab Books

Blue Ridge Summit, PA 17294

ISBN: 0-8306-4354-0

Clay Laster is an electronics engine who has been a ham for more than 40 years. This means he has participated directly in most of the major advancements in the amateur radio art. In THE BEGINNER'S HANDBOOK OF AMATEUR RADIO, Clay takes you through all of the theory and learning required to acquire either the Novice or Technician class amateur radio license. This is not simply a book for memorizing the various question pools that will allow you to pass the tests. Mr. Laster wants ham radio to be more than that for you. With this book you will learn the concepts behind the questions so that, when you take your exam, you will walk out with

your license and the real knowledge to make use of it.

In addition to chapters on how to become an amateur, there are sections on basic communications theory, principles of electricity, components, circuits, antennas and operating practices. The third edition includes the most current FCC question pools for the Novice and Technician Class theory tests. Clay also gives the reader some sound advice on learning the Morse Code. You still need to study code to get on the low bands, folks!

The book's one observable weakness is that, while including all the necessary electronics equations, very little support is given for those of us who chose to chase cheerleaders instead of studying. A short section dedicated to learning electronics math would make this the perfect study guide. On the plus side, the book also includes a copy of Part 97 of the FCC rules. This is the portion of the radio regulations that apply to the Amateur Radio Service and should be in the shack of every ham radio operator. By including this, Laster starts folks out on the right foot. This book and a couple of code tapes will get you well on the way to hanging out on Sunday mornings with many other NASWA folks. Don't forget to tell me if my signal has cleared up, Okay?

FOR SALE: Grundig Satellit 700. Brand new. Has 512 memories. Price \$420.00. Sony ICF-SW77 portable receiver with 162 memories. Mint condition. Price \$310.00. Both items include shipping. Cashiers check or money order, please. Dave Hannon, 28 Belmont Ave., Clifton, NJ 07012. Phone (201) 470-0430.

WANTED: The external key pad for the NRD-515. Only about 200 of these units were made according to the Japan Radio Corporation. I will be glad to pay a fair price. Donna Ring, 269 Terhune Ave., Passaic, NJ 07055-3326. Phone (201) 471-4211.

FOR SALE: Yaesu FRG-8800 receiver with matching FRT-7700 antenna tuner. Both in excellent condition with manuals and original shipping cartons. \$375.00 including shipping. Steve C. Martin, P.O. Box 525, Garden Valley, CA 95633. Phone (916) 333-1550.

Equipment Review

Alan Johnson N4LUS
6001 Goldsboro Road
Bethesda, MD 20817
CompuServe 76665,1756
Genie A.JOHNSON64

THE JPS NIR-10 NOISE/INTERFERENCE REDUCTION UNIT

Audio filters have long been a cost effective method of improving mediocre receiver selectivity. Back in the 60's, there were numerous circuits based on surplus toroidal inductors which were primarily designed for improving the reception of SSB and CW signals. Then, the development of integrated circuit op-amps yielded designs which gave a greater degree of flexibility in adjusting the filter bandwidth for optimum intelligibility. The IC op-amp also allowed the design of adjustable notch filters to attenuate heterodynes. The next advance in technology was the development of switched-capacitor filters with very steep skirt selectivity. JSP Communications has now advanced the state-of-the-art with their NIR-10 noise reduction unit. The NIR-10 uses digital signal processing to separate the speech component of a signal from the noise and then reduce the noise.

The NIR-10 has been around several years (see Mark Sieden's review in the July '92 Journal and update in the November '93 issue) but JPS has recently updated the software (Version 3.0) and added an additional "Peak" mode which provides additional noise filtering. In addition to its noise reduction functions, the NIR-10 can also be used as a audio bandpass filter - the standard filter bandwidths are 250 Hz, 600 Hz and 1800 Hz for the ham/utility user, but the NIR-10 can also be special ordered with bandwidths of 1.8, 2.4 and 3.0 kHz in a "SWL" version. The SWL version is the one I tested. JPS has also reduced the price of the NIR-10 from \$395 to \$349.

DIGITAL MAGIC

Every signal that is picked up by your receiver

is accompanied by some amount of noise - electrical interference, random thermal noise, pulse noise from automotive ignitions and hum and hiss from the receiver itself. In addition, there are the heterodynes ("whistles") from signals adjacent to the one you're trying to hear. The NIR-10 takes the audio output from your receiver and converts it to digital information. Once digitized, the signal is analyzed to compare the speech component to the undesired noise component. The NIR-10 then reduces the strength of the noise component and reconverts the signal to analog and amplifies it for your speaker. The analog to digital conversion chip is a 14-bit unit and the DSP chip runs at 40 mHz. This recognition of speech vs. non-speech is the noise-cancelling method used when the "NIR" mode is selected. The amount of noise reduction is variable by means of a front panel control from 0 to 20 dB. The NF (notch filter) mode allows for the automatic notching of up to four heterodynes simultaneously, with a maximum reduction of 50 dB and a response time of 3 milliseconds. The NIR mode will also reduce a single heterodyne up to 40 dB, but has a longer response time of 250 milliseconds.

The NIR mode is most effective against repetitive or pulse type noise, although it does have some effect on random or "white" noise. To improve the NIR-10's effectiveness against the latter type, the "Peak" mode software was developed. When this mode is selected, the DSP chip dynamically constructs bandpass filters about the portion of the signal that is recognized as coherent, be it speech or tones, as in CW or RTTY signals. Effectively, this reduces the

bandwidth of the filter to just that needed to pass the information and exclude the noise. This mode typically provides 10 to 20 dB of white noise reduction.

The Bandpass mode provides the type of operation that users of older audio filters will be most familiar with, i.e. limiting the range of audio frequencies that are passed to the speaker or headphones. In the standard "Ham" NIR-10 the filter bandwidths provided are 250, 600 and 1800 Hz and in the "SWL" version, they are 1800, 2400 and 3000 Hz, which are better suited for voice signals. These are very sharp filters and provide greater than 60 dB of attenuation outside the passband. There is a front panel control to shift the passband across the range of 300 to 3400 Hz. Think of it as a "window" that can be slid about the range of frequencies in the signal, to emphasize either the high or low frequency components and reduce the effects of adjacent channel interference (commonly referred to as splatter or "monkey-chatter").

THE UNIT

The NIR-10 is housed in a sturdy metal cabinet measuring 2" x 7" x 6" (HxWxD). It requires +11 to +16 volts DC with no AC adaptor supplied. The front panel has three toggle switches, two rotary knobs, two LEDs and a headphone jack. One toggle switch is for power on-off and the other two are for mode selection. The knobs are for NIR level/Bandpass Shift and Volume. The LEDs indicate power on and input overdrive. The audio amplifier provides 2 watts into a 3.2 ohm load at 10% distortion. Typical distortion is 0.5% at 0.5 watt output.

The various features of the NIR-10 are selected by the front panel switches. With both switches in the down position, all processing is bypassed, but the internal amplifier is active and the front panel volume control is functional. With the power switched off, the receiver audio is fed directly to the speaker. When the left-most switch is in the up position the NIR mode is active. In this mode the right-hand toggle switch can be used to additionally select the peak or notch filter modes. If the left hand switch is in the bypass position, either the notch or peak modes can be activated alone. When the left

switch is in the middle position, the bandpass filter mode is activated and the right switch is used to choose the bandwidth. The various noise reduction (NIR, Peak and Notch) modes can not be used while in the bandpass filter mode.

Installation is a snap. DC power is supplied through a 2.5 mm coaxial jack and audio input and speaker output are through RCA phono jacks. Once a station is tuned in, the receiver's volume control is adjusted so the NIR-10's Peak LED lights only on signal peaks and further volume adjustment is performed with the NIR-10's volume control. Then the front panel switches are set for the desired noise reduction/filter function.

DOES IT WORK?

It certainly does, although don't expect miracles and don't expect to receive tropical band signals with FM stereo fidelity. The NIR and Peak modes can be quite effective in lifting a signal out of the mud and improving the intelligibility by enhancing the signal to noise ratio. Sometimes either mode alone was most effective, while at other times better noise reduction was achieved by using them together. I was really surprised by the improvement obtained on strong signals - the NIR-10 took out the background hiss and fuzz, making the programs more pleasant to listen to. The notch filter function was so effective that it was eerie. While listening on the ham bands, the S-meter would rise as someone was tuning up near the received frequency, but there was no heterodyne. However, the receiver's audio level would drop due to the receiver's AGC action. The ability to notch out more than one heterodyne at a time is a real plus for the NIR-10.

The bandpass filter is one of the best I've used (including the Datong FL-3 and the Autek). The filter skirts are very steep and the bandpass shift can be used to precisely position the filter passband for maximum interference rejection. There is a minimum of filter ringing, which in digitally derived filtering is manifested as a "raspiness" of the signal, which can be eliminated by adjusting the passband shift control.

IS IT PERFECT?

Unfortunately no - there are some inherent limitations in any electronic device and the NIR-10 has some that are unique to its digital processing techniques. The unit cannot restore intelligibility to a signal if the signal to noise ratio is zero or below (i.e. the signal is at an S2 level while the noise is at an S5 level). In defense of the NIR-10 on this point is the fact that under such conditions, the signal is so degraded by noise that there is no audio to recover. Secondly, in some cases the noise that remains after processing by the unit has a garbled or "scrambled" sound. The NIR-10 manual points out that this is not an artifact of the digital processing but is due to the residual noise which, due to its similarity to speech components, remains in the output. Although the manual states that it can be more disturbing than white noise, I found it to be easier to mentally filter out and less fatiguing to listen to than white noise. It is definitely audible, however, and some users may find it objectionable.

Operation is not difficult to master but to extract maximum effectiveness the user must be prepared to adjust the receiver's volume level and the NIR level/Bandpass shift control as different stations are tuned and as different NIR-10 modes are selected. For instance, maximum noise reduction in the Peak mode is often obtained by reducing the receiver's audio output relative to that most effective in the NIR mode.

I had two minor quibbles about the NIR-10. One, the headphone output jack is a three conductor one so that it can be used with stereo headphones, but, to use mono phones,

you can't insert the plug all the way into the jack or the audio is shorted out. Receiver manufacturers who use three conductor jacks put isolation resistors on the tip and ring contacts so the jack can be used with either mono or stereo plugs, so I don't understand why JPS didn't do the same. The other minor annoyance is that there is a loss of bass response when the NIR-10 is bypassed (both toggle switches in the "down" position). Full response is restored with the NIR-10 power off.

SHOULD YOU BUY ONE?

The answer would be easy if the price were lower, but \$349 plus power supply represents a major investment for most SWL's. If you have been considering buying an outboard audio filter to improve your receiver's selectivity, then I would recommend paying the difference between other available units and the NIR-10. The filter's selectivity and flexibility via the Bandpass Shift control is outstanding. If purchased for this reason, consider the noise reduction features as an added bonus. If your receiver already has adequate selectivity and you do lots of weak signal listening with noisy band conditions (tropical band DX'ing) you should consider purchasing a NIR-10 to maximize signal intelligibility and enhance your chances of snagging that elusive ID. If you are a program listener, the cost of the NIR-10 will be harder to justify, although there is a noticeable reduction in listening fatigue when the NIR-10 is used with strong, clear signals. The NIR-10 is manufactured by JPS Communications, P.O. Box 97757, Raleigh, NC 27624-7757; (919) 790-1011.

WANTED: Lowe Model HF-150 receiver with or without accessories. Also would like a Sony ICF-SW1S or Philips AE-3905 subcompact portable receiver. Dave McLaren, P.O. Box 665, Sheffield, IL 61361. Phone (815) 454-2204 and leave message.

CONTACT WANTED: I am looking for NASWA members who would like to start an audio/video round robin on the topics of SWling and the radio Hobby in general. I can swap audio cassettes or video tapes. Please state preference in your reply. Thanks. Dave McLaren, P.O. Box 665, Sheffield, IL 61361. Phone (815) 454-2204 and leave message.

The RCI Monitoring Station

We are all aware of the BBC monitoring service. The Listener's Notebook section of the NASWA Journal regularly features juicy DX tips provided by this world famous organization. Less well known is a similar service operated by the Canadian Broadcasting Corporation. This month we'll take a look at the kind of technology a professional SWL group with relatively unlimited resources uses to listen to the world. Hopefully you will get some ideas about how to improve your own listening post.

The Radio Canada International Monitoring Station (RCIMS) is located near Carp, Ontario approximately 30 Km from the center of Ottawa. A manager and six technicians provide around-the-clock coverage on weekdays and two shifts on Saturday and Sunday.

The mission of the RCIMS differs from its BBC counterpart. The BBC Service provides information for use by many areas of the British Government and for subscribers outside the government. Often the first news of a revolution in a remote third world country will come from the BBC eavesdropping on the local radio station which has just been captured by the rebels.

The RCIMS mission is far less glamorous.

RCIMS's functions can be divided into four main categories:

- Monitoring broadcasts directed to North America.
- Band Survey Monitoring.

- Program pick-up for RCI and the domestic CBC networks.
- Program pick-up for simultaneous relay by RCI via the Sackville, New Brunswick site.

RCIMS monitors the programs of 29 different foreign broadcasters targeting North America. This service is performed on a reciprocal basis. Foreign broadcasters provide similar monitoring of RCI's transmissions beamed to their areas. Both audio and signal strength strip-chart recordings are made to assist evaluation of fading and interference. RCIMS also monitors the quality of transmissions coming from Sackville to assist the transmitter plant personnel achieve the high technical quality which we take for granted from RCI.

Band scanning is another function which RCI performs to assist foreign broadcasters find frequencies which are clear in North America. Each band between 49 and 13 meters is scanned on a rotational basis over a period of five weeks. The identification of all stations is recorded along with the signal strength and duration of the transmissions on each frequency. The 29 foreign broadcasters who receive this information provide similar information to RCI to assist their frequency management planning.

CBC in Montreal uses foreign broadcasts relayed from the RCIMS to prepare news and documentary programs in both English and French languages. These programs are normally recorded at the RCIMS monitoring site during the local evening hours and relayed via land-line the next morning to Montreal.

Today most of the broadcasts which RCI relays for other countries come via satellite feeds. The RCIMS also picks up these broadcasts directly on shortwave, when available, providing a back-up in case the satellite feed is interrupted.

RCIMS uses 20 Racal receivers to perform their mission. As the site has expanded over the years, newer receivers have been added resulting in a mix of new and older receivers. The latest models (RA-6790 and 3701) are interfaced to computers and can be programmed to receive and record any shortwave frequency at any time.

A mix of passive and active directional antennas combined with two omnidirectional vertical antennas complete the RF portion of the site. One log-periodic array of the type shown in Figure 1 is beamed to Europe. Typical patterns obtained from such an antenna are shown in Figure 2. A Rhombic antenna is also pointed to Europe. A vertical log-periodic antenna of the type shown in Figure 3 is available for monitoring signals from places other than Europe. The patterns

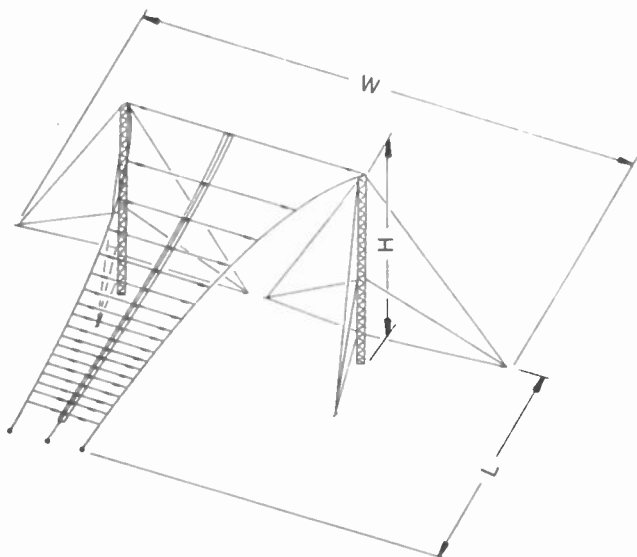
for this antenna are shown in Figure 4. Two vertical antennas complete the passive antenna complement. These antennas simulate types used by the average listener. They are used to monitor reception for foreign broadcasters who want to know how they are being received by the average listener.

The site also has four reversible active loop arrays by Hermes Electronics Limited of Dartmouth, Nova Scotia, providing directivity and gain similar to a Beverage antenna with much less real estate. The antenna is a traveling wave antenna similar to the Beverage. This design will be covered in detail in a future Technical Topics.

I would like to thank Mr. Denis Casey, Manager of the RCI Monitoring Station, for providing information used in this article.

Antenna artwork was provided by Antenna Products, PO Box 520, Mineral Wells, Texas 76067-0520.

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



Gain : 10 dBi
Lobes: More than 14 dB down
Height (H): 75 feet
Length (L): 138 feet
Width (W): 238 feet
Frequency : 4-30 MHz

Figure 1. Broadband, horizontal, log-periodic array provides high gain and directivity toward Europe.

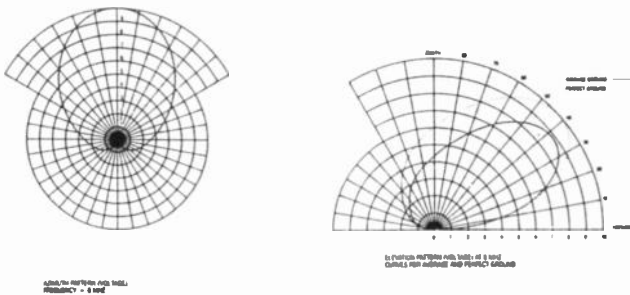
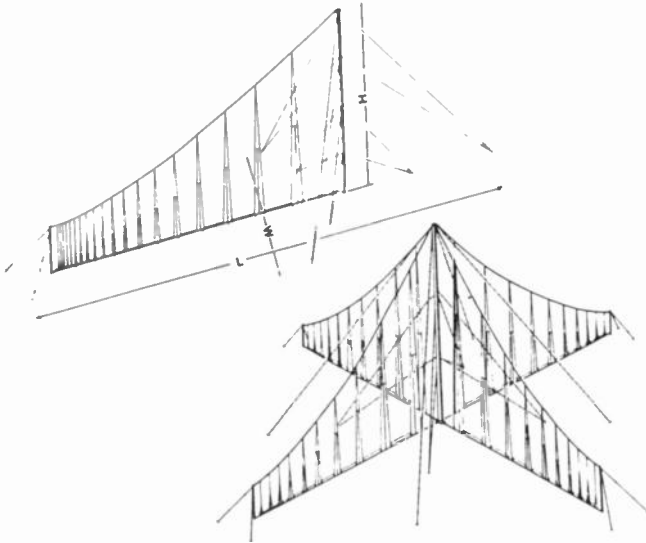


Figure 2. Azimuth and elevation patterns are designed to reject interference and atmospheric noise from undesired directions.



Gain (Perfect Ground):	10 dBi	Height (H):	100 feet
Gain (Average Ground):	5 dB ref 1/4 wave	Length (L):	278 feet
Lobes:	More than 14 dB down	Width (W):	156 feet
Frequency :	3.5-30 MHz	Curtain Length:	165 feet

Figure 3. Vertically polarized, log-periodic array provides directivity to signals arriving from any of four directions.

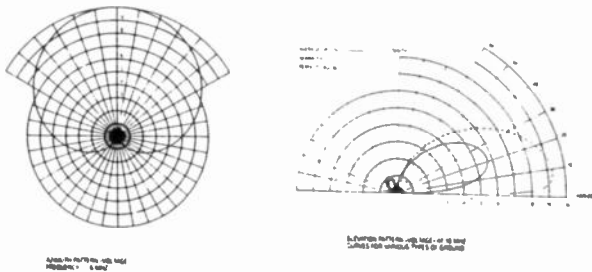


Figure 4. Patterns for the vertical log-periodic antenna provide low angle reception to maximize gain for long paths while discriminating against undesired high angle waves that can cause selective fading.

NASWA Awards

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



Howdy and welcome to the first column of the new year. Not only am I in the midst of a bout with the flu, I am sitting here freezing my parts off--it isn't supposed to be this cold in Virginia!! I don't know how cold it is where you are, but it is so cold here, I have to jump start my receiver in the morning. The cold and ice don't effect my attic antenna farm, however, so the DX is making it to my house--just wish I had more time to listen.

Talk about the Maytag repairman! Award giving was about as slow as I have ever seen it. A few diehard folks did manage to trudge to the post office in the cold to send in their applications and they will be rewarded by being the latest to hang the coveted NASWA green on their walls. And speaking of hanging stuff on your walls, I often get ideas for uses for NASWA awards certificates (you wouldn't believe some of 'em) other than my usual suggestion of plugging holes in your shack walls. If you have some (printable) suggestions, send them along--I will compile them some time in a future column. And join me in greeting a new NASWA cold snap Senior DX Centurion, Stephen Pitts.

So, here they are, the latest folks to receive NASWA greens to hang on their windows because they have spent all their money on postage for QSLs and can't afford shades to block the neighbor's view as they get up at 4 am and walk around in their skivvies to check to see if that new PNG frequency is in operation:

- David Carter Senior PNG DXer
- Father John Eckert 160 endorsement/Senior DX Centurion
- Anthony Scott Helm 150 endorsement/International DX Listener
- Larry Kramer Ecclesiastic DXer
 Arab World DXer
- Steven Lare 25 endorsement/Master Time Station DXer
- Sheryl Paszkiewicz Master Papua New Guinea DXer
- Stephen Pitts Senior DX Centurion/160, 170 endorsements
 Master Indonesia DXer
 All Continental QRP, 10 kW
 Senior Australia DXer
 Senior China DXer
 Master Pacifica DXer
 African Continental DXer
 Asian Continental DXer

SOME ANNOUNCEMENTS

Bob Brown, Kris Field and I host the Winter SWL Fest each year in Kulpsville, PA. A number of you have asked questions in your letters about The Seventh (!) Annual Winter SWL Festival and I thought I would use this space to tell you about Fest happenings.

The history and purpose of the Fest was stated clearly in last year's program: "It was in February 1988 that a group of 40 DXers assembled at the Fiesta Motor Inn in Willow Grove to 'just talk radio.' Bob Brown and Harold Cones hatched the idea for the gathering after they met at the ANARC Convention in Toronto the summer before and they were quickly joined in the effort by Kris Field. The first Winter SWL Fest was held in the 'beautiful pink and purple Pancho Villa Room' at the Fiesta and featured a blizzard and a shooting in the motel restaurant. The next year the fest moved to its present location, established a major program effort and launched the Hospitality Room. From 40 to over 250 participants, from self delivered pizza to a formal banquet, from nothing to the giving away of major receivers, the Fest has grown to become a major radio event, but its central mission is still to provide a place to 'just talk radio.'"

The major thrust of the Fest is informality and it is quite different from the frenzy of the old ANARC Conventions or some of the newer communications magazine sponsored events. A lot of radio talk takes place in the Hospitality Room, the lobby, the ballroom or the bar or the restaurant across the street. Shortwave "personalities" are present at the Fest but they are there as attendees, not as advertised "personalities." We do have some formalized activities, called forums, which will be presented over two days, Friday 11 March and Saturday 12 March. The topics vary from year to year with frequently requested topics repeated the next year. The topics for this year are: "Easy Listening," Richard Cuff; "Gennan Shortwave Broadcasting," Shel Dunham; "The History of a Company--Research and Developing a New Receiver," John Wilson, President of Lowe Electronics; "Listener's Library: Books and Papers for the Radio Listener," Uncle Skip Arey; "Hobby Club Sideshow," a brief presentation by all ANARC member clubs, coordinated by Rich D'Angelo; "A Walk Through a Receiver," Joe Buch; "Cheap and Effective Receiver and Antenna Enhancements," Harold Hausenfluck (Hausey) and Rich Arland; "Receivers: Past, Present and Future," Dave Clark, Alan Johnson and Elton Byington; and, "The Zenith Trans-Oceanics," Harold Cones. There will also be radio related video presentations and small group seminars on Friday, including John Voednick from VOA.

The silent auction (with the bulk of the proceeds going to African relief) will be held on Saturday. The Saturday night banquet will feature a speaker and the giving away of the usual pile of outstanding raffle prizes; among the prizes this year is a Lowe 150.

So, if you would like to join the regulars (and irregulars), the "scanner scum," the pirates and all the rest of the Fest gang, check your calendar, mail in your registration and get ready for a great time--and who knows, you might hear The Voice of Pancho Villa.

And one more reminder: the North American DX Championships will be held between Friday 4 March and Sunday 6 March this year. The event is held in conjunction with National Shortwave Radio Week, 6-13 March. Look for details of the contest elsewhere in the Journal and join the fun.

On these cold nights, it sure is nice to turn on my hollow state gear and stay nice and warm--you try to stay warm too!

THE 1994 NORTH AMERICAN DX CHAMPIONSHIPS (NADXC)
A Shortwave Listening Contest Sponsored by
The Association of North American Radio Clubs (ANARC)

PURPOSE

This contest is designed to promote the shortwave listening hobby and to provide those SWL's and DXer's interested in competing an opportunity to participate in a carefully run, challenging contest.

ELIGIBILITY

The 1994 DX Championship is open to all DXer's residing in North America [as defined by the country list of the North American Shortwave Association (NASWA)]. Members of the NADXC Administrative Committee are excluded from participation.

LISTENING PERIOD, FREQUENCIES, AND TIMES

The contest listening period will begin on Friday, 4 March 1994, at 1900 EST (0000 UTC) and end Sunday, 6 March 1994, at 2359 EST (0459 UTC). This contest coincides with the beginning of Shortwave Radio Week (which runs from 6-13 March).

PRIZES

Plaques will be awarded by ANARC to the top three finishers. The top finalist will receive a pair of JRC headphones courtesy of Paul Lannuier at Japan Radio Company. JRC coffee mugs will be awarded to second and third place winners. All entrants will receive a participation certificate indicating that they competed in the 1994 North American DX Championships. The certificates for the top 20 will have their place of finish in the NADXC indicated on the certificate.

SCORING

Contestants are to log as many stations as possible from as many countries as possible within the prescribed listening parameters. The first station logged from each country = 1 point. The second station from each country = 3 points; each additional station from that country = 5 points. For contest purposes, all clandestine stations and hobby pirate transmissions will be considered one "country." A station is a shortwave broadcaster whose transmissions are intended for reception by the general public. Each transmitter site of a broadcasting organization will count as a separate station. Different services of the same broadcast organization do not count as separate stations. Transmissions of a single broadcast organization on various frequencies may only be counted once. The use of multiple frequencies does not create as many new stations as frequencies used. For country counting and station counting purposes, the country list of the North American Shortwave Association (45 Wildflower Road, Levittown, Pa 19057) will be the sole criterion.

Participants are required to submit a running log to include country, station, frequency, time, date, SINPO, and the basis of station identification (i.e., spoken ID, interval signal, language, program, known//frequency checked, etc.).

Each contestant is required to total his own entry and provide a summary of the number of countries and stations claimed to support the point totals. The receiver(s) used in the contest must also be indicated. Logs will be judged on accuracy, completeness and neatness. If the judges cannot read a log, it will not be counted for scoring purposes. The decision of the judges is final.

SPECIAL HOLLOW STATE CATEGORY

A special category is available for DXer's using vacuum tube equipment. Contest rules remain the same except all contest loggings must be made on hollow state equipment. The NADXC participation certificate will be appropriately annotated and a special plaque will be awarded to the top finisher in this category.

FEES

An administrative fee of \$4.00 plus a \$0.52 stamp must be provided for each contest entry. All entries must be postmarked by Friday, 14 March 1993, and sent to:

Dr. Harold Cones, Two Whits Court, Newport News, VA 23606 USA

Contestants will be notified of the results in June, and a list of winners will be sent to each of the ANARC member clubs for publication.

Good luck from the 1994 NADXC Administrative Committee - Harold Cones, John Fisher, and Kris Field.

Listener's Notebook

Hans Johnson
7529 Red Cravat Court
Columbia, MD 21046
CompuServe 73042,3644

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All times are in UTC and all frequencies are in kiloHertz.

EDITOR'S NOTES—All times are in UTC and all frequencies are in kilohertz. Observations from the 10th "Fire and Ice" Expedition at Gifford Pinchot State Park are marked GP X.

DEADLINE for the March column is Thursday, February 17th.

AFGHANISTAN—*Radio Afghanistan's* shortwave service was knocked off the air by artillery fire on January 3rd and has not been heard since. The station of one of the warring factions, the *Radio Message of Freedom*, controlled by Prime Minister Globoddin Hekmatyr's Hezb-e Eslami continues to be heard on 7000. (BBCMS Summary of World Broadcast No. 1 January 7th and No. 3 January 21st)

ARMENIA—*Radio Yerevan* hit by energy crisis: working by candlelight, studios unheated. On December 15th, the station reported the following: Dear ladies and gentlemen, I would like to apologize if our programmes are not being broadcast because the energy crisis effects on the radio and TV companies as well. You have to excuse us in some cases, because it happens that we work under candlelight, preparing the daily news (?under) 5 degrees centigrade. The studios from where we go on air are not heated and do not have electricity. Today, we have the chance to meet again, so stay with us and I will be back with today's news, right after the headlines. (BBCMS Summary of World Broadcasts No. 52 December 31st)

AUSTRALIA—*ABC-Perth* left the air on January 22nd rather than the 18th as originally planned. They will shut down for a trial period of one month to see if anyone misses the service. If its to be maintained in the future, the aging transmitters will require about about 800,000 dollars worth of work. The

transmitters require alot of work and they don't want to spend the money. The station may start up an alternative low power service in the future, probably from a different location. (Tyson via Magne Numero Uno No. 1251 December 24th and No. 1255 January 21st)

Australian Armed Forces Radio 10848 this Mondays and Fridays only service to Somalia continues to be heard in spite of reports of its demise. Noted December 31st. (Korinek Numero Uno No. 1253 January 7th)

Radio Australia has been testing from the Darwin transmitter site: 15415 15630 0500 15320 0600 and 25750 at 0900. (Cook, Gillett Dx'ers Calling January) 17630 heard here apparently directed to the Pacific in English from 0100-0630 when other frequencies have cricket. (Mike Fern January 3rd)

AZERBAIJAN—*Radio Dada Gorgud*, which describes itself as the Voice of Azerbaijan, was heard broadcasting in German and French on 5th January from 1500-1600 and 1600-1700 respectively on 15240. The broadcasts were also heard intermittently on subsequent days on 15240 although the frequency announced was 7160. Only the *Voice of Russia* was heard on 7160 between 1500 and 1700. On 9th January the English service of *Radio Dada Gorgud*, which is usually heard on 7160, was also observed on 15240. (BBCMS Summary of World Broadcasts No. 3 January 21st)

BELIZE—see PIRATES—USA

BOLIVIA—*Radio Padilla* 3478 may have returned or upped the power on their transmitter as they have been heard with improved signal strength. (Perolo Numero Unc No. 1255 January 21st)

Radio Libertad 5005 Teresa Sangines Lora, Directora is one of the verification signers at this station. (Shortwave Bulletin No. 1241 January 3rd)

Radio Intergacion 6122.1 Another verification signer here is Carmelo de la Cruz Huanca, Comunicador Social. (Korinek Shortwave News January)

Radio Tomaz Frias 6125 is no longer on shortwave as the transmitter was too worn to warrant rebuilding. They have no plans to return. (Perolo Numero Uno No. 1251 December 24th)

Radio Metropolitana 6196.1 Carlos Balenque Aviles, Presidente Ejecutivo is one of the verification signers here. If my memory serves me correctly, Palenque was a (losing) candidate in last May's Bolivian presidential election. Their power is 10 kW and their fax number is (591-2) 356785. (Moore DX South Florida No. 318 January 14th)

Radiodiffusion 17 de Julio 6320 says there shortwave transmitter is down and that they are in the process of relocating across the town of Huanuni, from where they expect to resume broadcasts "shortly", (Perolo Numero Uno No. 1255 January 21st)

BOSNIA—*Radio Bosnia-Hercegovina* in Sarajevo was observed with broadcasting in Serbo-Croat in progress at 0010 on 12th January on 7059.25 in upper sideband mode [usb]. The broadcasts were in parallel with the station's main mediumwave transmitter on 612. The use of the shortwave channel continued throughout the night. The previous shortwave channel of 6220 usb has not been traced for some time. (BBCMS Summary of World Broadcasts No. 2 January 14th) A reception report to the station was returned after 6 months by Canada Post as undeliverable. (Ross Dx Ontario January)

BRAZIL—*Radio Itatiaia* 4805 will occasionally operate after 1900 UTC for soccer matches. Their verification signer, Lucia Araujo Bessa, is very interested in receiving reception reports. The transmitter on 5970 is operated at 1 rather than the listed 10

kW. (Monferini Play Dx No. 770 December 26th)

Radio Inconfidencia 6010 is operating here with only 5 kW although they do have future plans to go to the listed 25 kW. 15190 is inactive while they wait for a tube. (Monferini ibid)

Radio Gaucha 6020 has been given this channel by *Radio Educadora da Bahia*. *Radio Gaucha* puts out a program produced by the latter station from 2300-2330 with folk music and ids in French that is directed to international listeners. (ibid)

Radio Gazeta 15325 is a new frequency scheduled to have started operating at the start of the year. (ibid)

Radio MEC 11950 is only operating on mediumwave right now due to financial difficulties. (Vizzoni ibid)

Radio AM 940 Cristo em Casa although they are only on mediumwave, they are looking for a shortwave frequency. This is an evangelical station with a headquarters in the US. (Monferini ibid)

Radio Universo the address listed in the 1993 WRTH is not valid. (Kuhl Shortwave News January)

BIHUTAN—*Radio Bhutan* 5030 has returned here after a brief stay on 5025. Heard at 1245. (David Clark January 22nd)

CANARY ISLANDS—*Radio Uno* 11430 USB has returned here after operating for a few weeks on 14880. Try around 1900. (Alexander Fine Tuning No. 722 January 13th)

CIS—For the time being six international broadcasters and four religious broadcasters lease *Radio Moscow* shortwave facilities in the CIS. In total, they lease about 667 frequency hours per week:

International Broadcasters

1 <i>Deutsche Welle</i>	130.9 frequency hours per week
2 <i>Radio Netherlands</i>	98
3 <i>BBC</i>	71.8
4 <i>VOA</i>	31.5
5 <i>China Radio International</i>	31.5
6 <i>Radio France International</i>	14

Religious Broadcasters

1 <i>University Network</i>	182
2 <i>AWR</i>	73.5
3 <i>TWR</i>	28.0
4 <i>World Christian Corporation</i>	6

(Nikolai Rudnev December 7th)

CLANDESTINES—Here is a closer look at some of the results of the 1993 Clandestine Activity Survey, so let's see what happened to the Asian target areas. The unit of measurement in this Survey are Weekly Broadcasting Hours (WBHs): Still leading the clandestine activity on the Asian continent is Iraq with 288 WBHs, followed closely by Iran with 244 WBHs (in fact Iran has led the Asian activity for many years until 1992 when Iraq reached the top spot for the first time). Next in the order are both Koreas with 172 WBHs to North Korea and 114 WBHs to South Korea. Closely behind is Cambodia with 113 WBHs. Next comes Israel with 102 WBHs, an increase from the previous year by 7 WBHs. It will be interesting to see how this figure develops in view of the recent Middle East peace negotiations. Continuing the list are Saudi Arabia with 70 WBHs and Afghanistan with 60 WBHs. India is in 9th position with 21 WBHs and Burma/Myanmar is completing the Top 10 with 18 WBHs. The other Asian target areas are Tajikistan 12 WBHs, Vietnam and China P.R. each with 7 WBHs and Turkey with 4 WBHs. Dropping out of the Survey is Laos with a decrease from 28 to 0 (zero) WBHs. (Mathias Kropf Contact February)

CLANDESTINES - AFRICA — *National Radio for the Democratic Arab-Saharan Republic Ith'at al-wataniyah lil-juhuriyah al-'arabiyah al-sahrawiyah al-dimokratiyah* (Arabic) 11320 has returned to the air on this new frequency after being off for over half a year. First noted by Tony Orr on January 10th with Arabic programming at 1930 the station also has Spanish programming from 0000-0100. According to Dave Valko, they sign on at 1800. This is one of the two stations of the Polisario, an Algerian-backed group that is contesting Morocco for control of the Western Sahara. This former colony of Spain was known as Spanish Sahara until 1976 when they gave it up. The radio probably operates from the

Tindouf area of Algeria, near the border with Western Sahara, or possibly within the Polisario controlled area of the Sahara. (HJ January 11th)

Voice of the Pan-Africanist Congress of Azania 5050 was heard via *Radio Tanzania* at 0415 announcing that they were on UTC Tuesdays, Wednesdays and Saturdays. Programming consisted of the station reading it manifesto for the "new" South Africa and sign off at 0430. (GP X January 7th) This group was responsible for a number of attack in South Africa. In the middle of January it renounced violence and held talks with the South African government. This follows a Tanzanian decision not to allow these attacks to originate from Tanzania. The above is according to *BBC*. (HJ January 22nd)

see SWAZILAND

CLANDESTINES-ASIA—*Forum for Democracy* 9930 will be a program in Vietnamese via *KWHR* that *WRMI* is brokering. It will start on February 10th and be broadcast everyday from 1400-1430. *WRMI* is interested in reception reports on this broadcast when it begins. (Jeff White January 26th)

The existence of the *Voice of Free Tajikistan Sado-i Tajikistan-i Ozod* (Tajik) was first reported by the 'Nezavisimaya Gazeta' of Moscow on 19th October 1993. The report stated that the radio had been operating now "for a second week". The radio was first heard by BBC Monitoring on 20th October. The radio refers to the government of Tajikistan as the "communist" regime ruling in Dushanbe. The *Voice of Free Tajikistan* refers to its broadcasts as the *Messenger of Khorasan Payk-i Khorasan* (Tajik). Transmissions vary up to by five minutes and the frequency ranges from 7088 and 7090 khz with transmissions in Tajik and Russian between 0300-0330, 0900-0930, 1400-1430. (BBCMS Summary of World Broadcast No. 52 December 31st)

Voice of Kashmir Freedom 5000 noted at 0233, parallel to 6300, which was stronger. (Schulze Fine Tuning No. 722 January 13th)

CLANDESTINES-EUROPE — *Radio Dnestr International* formerly on 7105 at 0330 has been untraced since the start of the year. *Radio Moscow* programs are now broadcast at this time. (HJ January 11th)

CLANDESTINES—MIDDLE EAST—
Radio of the Iraqi Republic, Voice of the Iraqi People Ith'at al-Jumhuriya Al-Iraqiya, Sowl ash-Shab Al-Iraqi (Arabic) 4785 has been heard on this half harmonic of fundamental 9570 at 2245. (GP X January 6th)

Voice of Palestine, Voice of the Palestinian Revolution Sowl Filistine, Sowl al-thawra al-filistine (Arabic) 11714.9 and 15205.2 have been heard during the scheduled 1700–1800 transmission but the listed 15215 was untraced. The station also announced the following frequencies at closedown. 7145 7245 9145 (sic) 9510 9685 11715 and 17745. (HJ January 7th) A reception report to the PLO mission at the UN in New York (i.e. the address listed in PWBR) brought the following response: we are not engaged in such activities....we hope you can get a reply from the station. (Marlin A. Field January 4th)

Voice of the People of Kurdistan Sowl Ash-Shab Kurdistan (Arabic) 6290 noted here at 0425, a slight move from 6300. (HJ December 27th)

Voice of Islam, Voice of the Islamic Movement in Iraqi Kurdistan Sowl Islam, Sowl Al-Harakah al-Islamiyah fi Kurdistan Al-Iraq (Arabic) 4110 This new station was first heard at 1434 on 2nd January and switched to broadcasting in Kurdish a few minutes later. The radio was heard to refer to its broadcasts as experimental and went off the air without any announcements at 1550. By the middle of January, they were operating on the following schedule: 1230–1330 and 0500–0630 on 6410 4320 4105. The first hour is Kurdish followed by a half hour of Arabic. (BBCMS Summary of World Broadcasts No. 1 January 7th and No. 3 January 21st) According to press items, this Kurdish group was fighting other Kurdish groups, such as the Patriotic of Kurdistan and the Kurdish Democratic Party in early January. (HJ January 22nd)

CLANDESTINES – WESTERN HEMISPHERE—It appears that the Zapatista National Liberation Army (operating in the Chiapas region of Mexico) already has a clandestine (shortwave?) station. A clandestine rebel radio broadcast in Chiapas rejected conditions for peace talks issued by the Mexican government. This station was monitored by a Mexico City newspaper according to the Miami Herald of January 7th.

So, clearly the broadcast was monitored either late Wednesday the 5th, or Thursday the 6th, presumably eliminating the possibility of the Zapatistas still occupying a legitimate AM or FM station in the San Cristobal de las Casas area. While no frequency was mentioned, checks in the range of 6200–7000 khz range would be good bets. Also note that there has been unidentified Mexican radio traffic on 3110 in USB in the late evenings noted during early January. (Krueger DX South Florida No. 318 January 14th)

La Voz Popular (see Jan LN) Robert Ross provides more details on a lecture he heard given by a member of the station: The station's initial broadcast was in May 1987. With a 2 kW transmitter, they sign on with their theme song, a lively revolutionary song spiced with marimbas. This was followed by the Guatemalan National Anthem and the message of the National Revolutionary Unity of Guatemala (URNG). The station is heard in every province of the country and in Mexico, but reception is difficult in the capital due to jamming. The station hopes to add some indigenous languages in addition to Spanish in the future. Station members work in two teams with one team working on program production while the other team guards the area around the transmitter site. In addition to a government campaign of trying to convince people that the station is off the air, the army bombs the mountainside on which the station is located before every transmission, hoping to knock it off the air. While they have come close, they have yet to succeed. The station is powered by generators and batteries and also has several computers. A major expense for the station is repairing damage to the transmitters caused by high humidity. Local people supply the station with food, clothing and other necessities. Due to financial difficulties, they have been off the air at times, but donations from groups in the United States and Canada keep them going. (Ross Numero Uno No. 1254 January 14th)

COLOMBIA—*Putumayo Estereo* 5566.4 perhaps a new station that is an RCN affiliate on FM; this might have been a "special" transmission. (Klemetz DX South Florida No. 317 December 31st)

Radio El Sol 5873.6 a new station located in Tuquerres and heard at 2120. This one seems to be a hobby pirate. (Klemetz Shortwave Bulletin No. 1240 December 20th)

Carocal Colombia 6150 heard with extended schedule as noted past 0300. (Marie Lamb January 11th)

Radio Nacional de Colombia 11725v heard irregularly between 2200-0300 with unstable frequency and very dirty modulation. (Mike Fern January 3rd)

CROATIA—**Croatian Radio** 5895 noted on this new frequency signing on at 2136 until 0726 sign off. (Marie Lamb January 11th/21st Brian Alexander January 22th)

CZECH REPUBLIC—**Radio Prague** On 20th December the Czech CTK news agency quoted Czech Radio's director of foreign broadcasts, Karel Wichs, as saying broadcasts to Slovakia would stop on 1st January. This, he said, was fully in line with the results in October 1993 of the tendering for the operation of external radio services. The tender chosen, the cheapest one, did not include any broadcasting to Slovakia. Karel Wichs was also quoted by CTK as saying that, while 90 million crowns (three million USD) were allocated for external-service broadcasting this year, there would be only 51 million crowns (some 1.6 million USD) next year. This was the reason for reducing the staff of the external service from the current 124 to 65. From January 1994 the external service would also be paying Czech Radio rent for office space and for studios. According to CTK, a spokeswoman for Czech Radio, Miluse Tikalova, said the external service was not funded from concessionary payments and was fully subsidised from the state budget. Currently there were 19.5 hours of programmes a day but next year there would be three hours less. The broadcasts would be in English, French, German, Spanish and Czech. The CTK report ended by quoting Karel Wichs as saying that the fact that the **Radio Prague** external-service's editorial office received about one thousand letters a month from its listeners testified to its broadcasts. (BBCMS Summary of World Broadcasts No. 52 December 31st)

DOMINICAN REPUBLIC—**Radio Clarin** 1720 heard on this second harmonic of 860 in the local evening since January 19th. (Ernest Lawrence January 23rd)

ECUADOR—**Radio Oriental** 4780 has verified. They operate with 3 kW and have 6

employees. While they have been off intermittently due to power and equipment problems you can reach them at: Olmedo 239 y Amazonas, Casilla 260, Tena. The verification signer is L. Enrique Espin E., Director-Gerente. (Berg Numero Uno No. 1252 December 31st)

Christians around the town Saraguro in the eastern part of the country plan to set up a shortwave station. Donations can be sent to Project 46057, OMS International, P.O. Box A, Greenwood, IN 46142-6599. Keep in mind that **4VEH** in Haiti is an OMS station. (Marlin A. Field January 4th)

TWR via **HCJB** Update to last months' column. Write **TWR** in Bonaire direct if you would like to verify these broadcasts. (HJ January 19th)

EQUATORIAL GUINEA — **Radio Africa 2000** The government of Equatorial Guinea has banned broadcasts by this radio, Equatorial Guinea's cultural station, which had been broadcasting since 1989, sponsored and managed by Spanish cooperation aid. Sources at the station attribute the closure to reprisals by the Obiang regime over the withdrawal of Spanish aid to the Equatorial Guinean media and the halving of the cooperation aid budget. However, the Office of Diplomatic Information [OID] of the Spanish Foreign Ministry believes that Equatorial Guinea has just brought forward the closure. According to the OID, our country's aid is essential for the day to day running of **Radio Africa 2000** so a cut in aid was in any event going to lead to the end of its broadcasts. (BBCMS Summary of World Broadcasts No. 51 December 24th)

ERITREA—**Voice of the Broad Masses of Eritrea** was logged on the following frequencies at 0353: 3940 5000 7020 7380. (ADX Radiorama December via Giovanni Serra) Sign on is 0330. (HJ)

ESTONIA—**Estonia Radio** 5925 Reactivated shortwave in the middle of January. Here is there schedule via their 500 kW transmitter:

1600-1630 5925 Finnish, German, English
2030-2130 5925 German, English, Swedish

(Finnish Dxers Ylo and Mantyla via Ben Krepp January 9th and January 26th) The station is having difficulties financing their operations

and paying for the electricity to keep the transmitter on the air. They realize that their 45 year old transmitter is performing poorly. Contrary to the WRTH, reception reports are welcome, but cassette tape cannot be returned and return postage is very appreciated. Schedule is English 1520-1530 (weekdays) and 2030-2100 (Mondays and Fridays only) and in German 1510-1520 (weekdays) and 1900-1930 (Tuesdays and Fridays) (van Delft Shortwave News January)

GABON—*AWR-Africa* this operation will be transferred to Russia as soon as it is logistically possible. (Radio News Bulletin January)

GERMANY—*DeutschlandRadio-Berlin* 6005 went on the air on 1st January in Berlin. This station is a merger between *RIAS*, which was financed by the USA and then by the ministry for intra-German relations, and the former GDR station *DS-Kultur*. The Berlin part of the station will be based in the *RIAS* building and the directors of the new radio will be based in Cologne. (BBCMS Summary of World Broadcasts No. 1 January 7th)

GREAT BRITAIN—*BBC* can now be reached for correspondence on e-mail via this address on Internet: iac@bbc-ibar.demon.co.uk This will get your message to. International Audience Correspondence, the department which handles all incoming mail. (Ben Krepp January 25th and 27th)

GREENLAND—*Gronlands Radio* 3999 Although they are now off shortwave, they continue to verify old reception reports. However, the verification signer seems to be someone other than Henrik Jorgensson, their old signer. (D'Angelo Numero Uno No. 1252 December 31st)

GUAM—*KSDA* This station will put a third 100 kW transmitter on the air by the end of 1994 and a fourth is under consideration. (Radio News Bulletin January)

GUATEMALA — *Radio Tezulutan* 4835.18 heard signing off at 1517 rather than listed 1600. (Krueger DX South Florida No. 318 January 14th)

Radio Cultural has completed modification of a MW transmitter. It is now on 5955 with 5 kW. The old 250 watt is now being used on

9505/9595 (Article mentions both but its one or the other HJ) Both use folded dipoles. (Radio News Bulletin January)

HAWAII—*KWHR* Their antenna for Asia is a *TCI* model 611 dipole curtain antenna rotatable from 240-300 degrees, claimed effective radiated power (erp) of 12 million watts. The antenna for Oceania is a *TCI* model 516 log periodic antenna at 225 with an ERP of 2 million watts. (Ed Rausch December 21st)

HONDURAS — *Radio Copan International's* is currently 1400-1500 UTC Mondays-Saturdays; 2100-2230 Mondays, Wednesdays, Thursdays, Saturdays; 2000-0100 Tuesdays (continuing into UTC Wednesdays); 2000-2230 Fridays; and 1900-0200 Sundays (continuing into UTC Mondays). All on 15675, with both Spanish and English segments. The schedule will be expanding as time is sold. As I might have already told you, we installed a new 1 kw transmitter on January 3rd, and listener reports indicate much improved reception throughout North America. Here in Miami it sounds like a local station. (Jeff White January 26th)

INDIA—*AIR-Shillong* 4790 drifts from its nominal, heard as high as 4791.5 and as low as 4789. (HJ January 22nd)

AIR-Calcutta 4820 heard testing a 50 kW here at 1325. Hindi news at 1330. (David Clark January 2nd) Also heard with National news at 1530. (Mike Fern January 9th) Sign on is listed as 1200. (HJ)

INDONESIA—General reception notes— For Dxers living in North America who want to give the afternoon Indonesians a shot, remember that the signals arrive LONGPATH from the southeast, approximately parallel to the slope of the terminator. While the season is largely over for much of the continent, those members living in the Eastern timezone, the afternoon South East Asia window lasts right up to mid-March or so (excluding Eastern Indonesia), although signal fade-ins will become progressively later and usually weaker and of shorter duration, especially after mid-February. The strongest "bellwether" Indonesian in the Eastern timezone during the winter afternoons continues to be *RRI Ujung Pandang* on 4753.35v from Sulawesi it is sometimes still good at the commencement of

the 2200 Jakarta news relay—by then, about 10 minutes after sunrise at the transmitter. *RRI Medan* on 4765.8 is another one to try for as it is situated near the northwestern tip of Sumatera, which means it has a later sunrise than most other Indonesians audible in North America during the winter afternoon window. Apart from Medan, *RRI Banda Aceh* 3904.8 should be a prime target because it is the most westerly Sumatran transmitter site and the rated 50 kW transmitter is still capable of putting out a good signal. Regretably, *RRI Banda Aceh* has been inactive during our afternoon window throughout the 1993–94 winter season to date but it's always worth checking at 2300 (typical s/on) to about 2345. Others to try for include: *RRI Padang* 4003.2, *RRI Jambi* 4925 and *RRI Sibolga* 5256.45v. (David Clark's World Radio Report Dx Ontario February)

RRI Bukittingi 3231.8 and the transmitter of *RRI Padang* are both in poor shape. These two used to be bellwethers of PM Indonesian signals. (Clark Numero Uno No. 1253 January 7th)

RRI Sorong 3365 on this new frequency from 1400–2000. They are also on 4875v from 2000–0100 and 0800–1400 and 9742 from 0100–0800. Reception reports to: Resa Molle, Kasi Siaran at Jalan Jend. A. Yani No. 44 Kotak Pos 146, Sorong. (Juichi Yamada December 23rd)

RRI Manokwari (Irian Jaya) 6189v is apparently inactive at present (Martin World Radio Report February)...it used to operate here to 1000/15v, then switching to 3987.2v which continues active (David Clark *ibid*)

RRI Samarinda 9614.4 has not been heard recently and may be inactive or changed its schedule. (*ibid*)

IRAQ—*Radio Baghdad Home Service* Operating as high as 4620 (nominal 4610) with sign off varying around 0030. (Brian Alexander January)

ITALY—*Radio Speranza* 6233 is a new station located in Modena. This is a Catholic Radio station that has relays of *Vatican Radio* in Italian. Their address and point of contact: Reverend Padre Sacerdote Luigi Cordioli, Largo San Giorgio 91 I-41100 Modena. (Monferini Play Dx No. 771 January 2nd)

IRRS 7125 Updating last month's column, the station is on from 0600 until 2115 daily. (Controneo, Station President, via Ralph Brandi January 23rd)

Radio Italia Internacional 7140 plans to go to 15 kW. (Gomez Play Dx No. 771 January 2nd)

Radio Europe 7294U logged from 0700 to 1300 via their new 500 watt transmitter. (Monferini Play Dx No. 769 December 20th)

Radio Uno 11745 heard on this new frequency in Italian at 2005. (Stephen J. Price December 30th)

JORDAN—*Radio Jordan* On January 1st, this station's director announced that the transmitter site at Al Karanah has been "boosted" as the result of an equipment purchase. (doesn't specify whether shortwave or mediumwave). Hence, the station is now broadcasting 24-hours a day in Arabic. There is also a French service from 0500–0800 and from 1500–1800 (no details on frequency) (BBCMS Summary of World Broadcasts No. 1 January 7th) Amman has emerged on new 6035 until past 2200 parallel with 9830 in Arabic. (Bob Padula January 25th)

KIRIBATI—During his December stay in Australia, Tom Williamson found that *Radio Kiribati* was heard well on occasion but the shortwave service seemed to be on the air (from 0600 s/on on 9825) on a very irregular basis, unless there is another unknown channel also being used at times. (World Radio Report Dx Ontario February)

KUWAIT—*Radio Kuwait* Here is their schedule, which is valid to March 5, 1994:

Gulf Area	6055	0200–1305	Main Arabic
Middle East	11990	1315–1800	Main Arabic
	15495	0300–1305	Main Arabic
North Africa	15495	2100–0200	Main Arabic
Europe &	9840	1800–0000	Main Arabic
N Am	13620	1315–1800	Main Arabic
		1800–2100	English

(Hadi Internet via Ben Krepp January 27th)

LEBANON—*Wings of Hope* 9960 new frequency, ex 11530. Schedule is 0400–0800, 0800–1200 Mondays through Fridays, and 1300–1630. (Mike Fern January 3rd)

LESOTHO—*Radio Lesotho* 4800 apparently has technical problems. During the month of December they were noted on shortwave or mediumwave but never on both. (Korinek Numero Uno No. 1253 January 7th)

LITHUANIA—*Radio Vilnius* In late December Lithuania changed its mind (see January LN) and decided to continue paying Russia the rent for the shortwave transmitter in Krasnodar. At the same time, according to director general Laimonas Tapinas, the possibilities of building our their transmitter will be explored and the station plans to put on an additional own low power transmitter on in 1995. Discussions about the construction of a shortwave radio transmitter have been going on for several years now. Unfortunately, nothing has been done so far. Not only Lithuania needs a transmitter, Latvia and Estonia are interested in it, too. A project has already been drawn up and Switzerland will help to implement it. While the station's own transmitter continues to the European, Scandinavian and Baltic states, using the Russian transmitter at Krasnodar has not been reliable, especially at a time when it was needed most, during the January events (when the Lithuanian radio and TV centre was seized by Russian forces). It might have been switched off at any time. They cannot build a new transmitter in Sitkunai (near Kaunas) now, because a settlement is situated there, a new transformer station and a new aerial field would be needed. *Radio Vilnius* will build a new shortwave transmitter site at Linksmakalnis (also near Kaunas). When Swiss-government aid was offered to Lithuania, the government defined its priorities, but *Radio Vilnius* is not the first in these priorities. The ABB firm has promised to allocate such a transmitter capable of reaching North America and costing about two million dollars if the station receives money from the Swiss fund. It would cost about two million dollars. (BBCMS Summary of World Broadcasts No. 1 January 7th)

MEXICO—*Radio Lobo XELO* 2020 this second harmonic of 1010 is located in Chihuahua and was heard with good signals in the middle of January although it has not been heard since the 17th. The WRTH list the power as 1 kW but it sounds more like 10. *XELO* has bought an American syndicated

Top 40 program service complete with English promotion but used its own announcers in Spanish. It came after the top of the hour. Slogans include *Radio Lobo Diez Diez*, *Radio Lobo Mil Diez*, *Top 40 en Chihuahua*. (Mike Fern)

Radio Huayacocolta 2390 heard along with co-channel Guatemalan *La Voz de Atitlan*. I often wonder how much these stations QRM one another in their target areas. Unfortunately, neither station is very popular with its national government, so I assume getting a change of frequency would not be very easy. (Moore Fine Tuning No. 721 January 5th)

see **CLANDESTINES—WESTERN HEMISPHERE**

MONACO—*Evangeliums-Rundfunk* has German programs via *TWR* at the following 0830-0845 (0915 Sundays) 1105-1120 except Sundays and 1430-1500 Daily 6230 7160. The address for QSLs is Postfach 14.44, 35573 Wetslar, Germany (Padula Australian Dx News January)

MOZAMBIQUE—*Radio Mocambique* 6676 Second harmonic of vernaculars service on 3338 heard at 0255. (Ed Rausch January 20th)

NETHERLANDS—*Radio Netherlands* In 1994, the Dutch government will reevaluate all its target areas. The Pacific service is one of those most likely to be cut. (Rhodes Dx'ers Calling January) The Flevo site is now on new 9635 on the weekends at 0830-0925 for the Dutch service to Dutch contingent in the UN Peace Keeping contingent in Bosnia Hercegovina. Good level 15 Jan. (Bob Padula January 25th)

NEPAL—*Radio Nepal* 5005 has reactivated replacing 7165.2 as of the end of December. (Marshall, Clark Fine Tuning No. 722 January 13th)

NEW ZEALAND—*RNZI* From February onwards, all mail and incoming enquiries will be answered from within the RNZI office, by full-time RNZI staff. We therefore farewell well-known and respected presenter and RNZI Listener Services Manager Tony King. His dedication, commitment and support for RNZI has played a major role in helping establish our service. Having considered an offer to remain as presenter of *Mailbox*, Tony has

regretfully declined. So it's with much gratitude that we thank Tony for all his hard work in RNZI's first four years and wish him well for his future ventures. We would therefore like to introduce our new *Mailbox* presenter, Myra Oh, who with the help of RNZI Frequency Manager Adrian Sainsbury and veteran DX'er Arthur Cushen, will bring a new look to this flagship programme. Myra is Fijian born and one of RNZI's most well loved announcers. Her warmth and authenticity as our 'voice of the Pacific' promises to allure the overseas listener into the heart of our region. Arthur Cushen will continue to bring us worldwide DX news and Adrian Sainsbury will keep us up to date with future developments both for RNZI and for the broadcasters of the Pacific. Our new announcers take to the air for the February 7 edition and look forward to meeting—through the airwaves and by mail—the RNZI shortwave audience. (RNZI Press Release January 19th via Tom Sundstrom)

NICARAGUA—*Radio Miskut* 5770 has not been noted as of late. (GP X January 6th)

NIGERIA—The Federal government is to establish a rehabilitation fund for *Voice of Nigeria* to boost its reception to countries all over the world. The minister of information and culture, Professor Jerry Gana, disclosed this while inspecting *Voice of Nigeria* transmitters in Ikorodu near Lagos. He said the present administration will place more emphasis on the maintenance of old equipment rather than embarking on new projects. Earlier, the director general of *Voice of Nigeria*, Mallam Yaya Abubakar, had said that the corporation was operating with one transmitter instead of five. (BBCMS Summary of World Broadcasts No. 51 December 24th)

PAKISTAN—*Radio Pakistan* 7485 heard until 1900 sign off in English on this new frequency. (Southwell Shortwave News January)

PAPUA NEW GUINEA—*Radio Enga* 2410 soon hopes to have QSL cards to issue instead of a verification letter. Their fax number is 571069. (HJ January 22nd) Noted operating past 1300 sign off, parallel to 9675 with *NBC* news. (Clark Fine Tuning No. 722 January 13th)

Radio Simbu 3335 Verification signer Gabriel Paio says that they have a new 10 kW transmitter. (Hopkins Dx Ontario January) As Kevin Murray wrote in the December *NASWA Journal*, Japan has donated many 10 kW transmitters to the different regional stations. (HJ)

PERU—*Radio Chota* 4890.1 signs on around 1130 for its morning transmission. (TIN Relampago Dx Logging No. 30 December 4th–11th)

Radio La Voz de Andamachay 5547.1 a new station, with sign on at 2338 and sign off at 0112. Its located in the village of the same name apparently in the district of Cortegana of Celendin province. It has the same owner as *Radio Frecuencia VH La Voz de Celendin* on 4485. (Klemetz DX South Florida No. 317 December 31st)

Radio Illucan 5866.8 new frequency, ex 5620v. (ibid)

Radio Oriente 6190.1 Now signing on at 1000 ex 0900. (TIN Relampago Dx Logging No. 30 December 4th–11th)

Radio Universo 6815.6 This station formerly operated on at UTC Monday only schedule but is now heard every day. Sign is around 2330 and sign off is around 0330. The station may also be operating in the mornings with sign on around 1100. (GP X January 8th)

PIRATES—EUROPE—*Radio Orang Utan* 6205 was raided on January 16th. (Lobdell Numero Uno No. 1255 January 21st)

PIRATES—USA—The FCC raided the ship *Fury V* in Charleston, South Carolina on January 18th and 19th. It took 30 blowtorch wielding shipyard workers, being paid a total of \$1000 per hour, only one and a half days to remove the radio transmitters from the ship. The FCC claims that the tests of the transmitters were done on 7415 without a license, even though the ship did have a provisional license from Belize. A provisional license is issued for a limited time and covers the construction, testing and limited operation of a radio communications facility without further notice to the issuing country. The Federal Communications Commission, however, only issues Construction Permits which require written notification at the start of of each phase of the operation. CPs, as they

are called, hold no legal status as licenses. It is obvious that the FCC regards foreign issued provisional licenses as CPs. From what can be determined, transmitter testing into a dummy load may have indeed leak out. However, according to Johnny Lightning, copies of Radio New York International program tapes already on the ship were duplicated for anyone who wanted copies and this past Christmas night some of those tapes somehow got on the air on 7415khz. It wasn't until QSL requests came in to RNI's Hyde Park address that anyone connected with the venture knew about it. While we have no exact knowledge as to what the FCC heard to base it's charges, since the paperwork is in the hands of Brother Stair's attorneys, any one, or all of these factors, and any more we don't know about, could have been the reason the FCC decided to pull a raid instead of just issuing fines. As to the outcome so far, the ship itself was not seized and there has already been an offer to buy the refurbished ship. Only the broadcast transmitters were taken, along with some studio equipment. Meanwhile the marine radio transceivers, covered under the same provisional license, were not. According to Brother Stair it looks like he may be able to get all the transmitters back. It was mutually decided by the parties involved, that there is no point to continue with the project even if the courts decide that Voyager was a legal venture and the signals that were received were emanated in error. The cost of rebuilding would be prohibitive. The ship was supposed to set sail for Belize in a few weeks. (Bill Urton, Gary Bourgois, Big Steve Coletti Internet and GENIE via Ben Krepp and Eric S. Bønenman January 20th and 21st and 25th)

PUBLICATIONS—Kirk Trummel has sent along the first issue of Avatar. Kirk describes Avatar as the "ultimate" list loggers tool. Covering the entire spectrum Avatar lists dx stations rather than the major international broadcasters. Avatar is constantly updated from a variety of sources and will be issued quarterly in both hardcopy and diskette form. While there are other guides available for dx stations, all are issued only annually. For more information, write Kirk at: 1122 West University, Springfield, MO 65807. (HJ January 17th)

QATAR—*Radio Qatar* 7160 heard on this new frequency, a slight move from 7170. (GP X January 8th)

RAMADAN—This year, the Islamic Holy Month of Ramadan begins on about February 22nd will end about March 23rd. During this interval, watch for stations broadcasting from primarily Islamic countries to be operating with special services on extended hours. Look for later signoffs from many Middle East stations, as well as from certain African countries. This is also the one time of the year when certain Indonesian stations (typically *RPDs*) may be activated and some of the *RRR* regulars can be expected to be operating on extended or even all-nite schedules. (David Clark World Radio Report Dx Ontario February)

ROMANIA — *Romania Actualitati* domestic service 9570 heard here at 0605 on January 23rd (Bob Padula January 25th)

RUSSIA—*Radio Moscow* 3395 has been heard here in English at 1240. (SA Shortwave Bulletin No. 1241 January 3rd)

Radio Nadezhda 9525 is still announcing that they will introduce an English program soon. (Schauerimann Shortwave News January)

Radio Pamyat 5940 in spite of reports of this one being shutdown, it was logged at 1440 with an id heard. (SA Radiorama December via Giovanni Serra)

Green Music Radio Zelenoye Muzikalnoye Radio (Russian) was heard signing on at 0100 gmt on 9th January on 6989.3 kHz. The radio announced that it was on the air every week on the night from Saturday to Sunday: from 2300 gmt on 6990 kHz, from 0000 gmt on 3020 kHz and from 0100 gmt again on 6990 kHz until 0155 sign off. The radio also had ENGLISH announcements and gave its address for reception report and requests as: PO Box 65, Moscow, Russia, zip code 125581. (BBCMS Summary of World Broadcasts No. 2 January 14th)

The Russian Ministry of Communications said that the electricity supply to the Petropavlovsk-Kamchatskiy radio centre was cut off for non-payment of debts on January 18th. Magadan, Maritime, Khabarovsk, Chita

and Sakhalin radio enterprises have received warnings that they will be cut off if they do not pay. Similar warnings have also been received by radio centres belonging to the No. 1 State Radio Enterprise, which broadcast to all of Russia's European territory. (BBCMS Summary of World Broadcasts No. 3 January 21st) See August LN. (HJ)

This year the management of *Radio Russia* has proposed a broadcasting schedule for *Radio Slavyanka* for every Tuesday, Thursday and Saturday at 0340 for short ten-minute news programmes, and for every third Sunday in the month for *Radio Slavyanka's* own 35-minute programme. What do we see as the special features of our radio station? It was established by the Russian Defence Ministry, and so we have the most precise and reliable information on complex military problems, and for this reason we have an opportunity of bringing military information to radio listeners, as they say, from the horse's mouth. And we try to do this promptly, responding to topical themes. Our nearness to the Defence Ministry in no way means any kind of censorship on its part, not at all. We try to present the points of view of various sections of the army and navy public, from the rank and file to generals and admirals, the views of members of servicemen's families, and not only military men, but everyone who is interested in the questions of military life. We try to show current times in the Russian armed forces as fully and authentically as possible, in all its manifestations. We'll tell you about the heroism of Russian soldiers, and military traditions. We are also ready to reply to complex legal questions concerning military service and martial affairs. (ibid) see January LN for latest schedule. (HJ)

see UKRAINE

SAUDI ARABIA—*BSKSA* 15165 heard on this new frequency in Arabic at 1530. (Bruckner Shortwave News January) as well as new 11965. (Buschel ibid) *BSKSA* is sometimes heard on DSB feeders between 16 and 2 MHz. When audible, the *BSKSA* General Programme is usually on the upper sideband and the Second Programme or Holy Koran Radio on the lower sideband. (BBCMS Summary of World Broadcasts No. 1 Jan 7th)

SINGAPORE—*SBC* this station said it will launch a regional shortwave news and entertainment service on February 1 according to a Reuter story of January 22nd. Listeners in west and east Malaysia, Brunei and Indonesia would be able to receive the service for nine hours a day, three hours each in English, Malay and Chinese, the *SBC* said on Saturday in a statement. The English service—*Radio Singapore International*—would include news and business and market reports, as well as current affairs, lifestyle and entertainment programmes, *SBC* said. The corporation's general manager, Moses Lee, said that until recently its short-wave service had been limited by obsolete transmitters. "We have upgraded our short-wave transmitters and can now send our signal much further afield in the region," he said. (Robin K. DeSantos via Tony Orr January 24th) *SBC* 5010 left the air on January 31st, apparently as part of the changes taking place at this station. (World Radio Report Dx Ontario February) Frequencies slated for the new 250 kW transmitter are 6155 and 9530. (Clark Fine Tuning No. 722 January 13th)

WARNA is this country's Malay service. It operates from 2045 to 1800 on 6155 and 7250. Programs include *Songs of Moral Values* from 2100-2200. (Stephen J. Price January 16th)

SLOVAKIA—*AWR* This station's address is P.O. Box 100252, Darmstadt, Germany. (Ed Rausch January 5th)

SOUTH AFRICA—*BBC* relay via Meyerton audible on 9515 with Portuguese 0530-0545 on 16 January. (Bob Padula January 25th)

SOUTH VIETNAM—see VIETNAM

SPAIN—*Radio Exterior de Espana* This station's two transmitters on 17870 and 17890 produce a intermittent mixing produce on 17910, possibly due to corrrision in the antenna hardware. (Mike Fern January 3rd)

SUDAN—*Sudan National Broadcasting Station* 5000 noted here as early as 1800. (Lemmon Dx'ers Calling January)

SWAZILAND—*Swazi Radio* 6155 Dr. Gene Scott announced that he would be using this transmitter from 0400-0800 as of December 25th. (Mike Fern January 3rd)

Nothing heard yet, but if this is true you can kiss *A Voz de Renamo* goodbye. (HJ) The correct address for this station is: P.O. Box 15535, Doornfontein 2028 81, Main Street, Kenilworth 2190, South Africa. Their fax number is 434-3682, also located in South Africa. (Ron Howard January 1st)

THAILAND—*Radio Thailand* 9655 is irregular in the local North American mornings these days. (Clark Numero Uno No. 1252 December 31st)

TOGO—*Radio Togo* 5047 One IRC is requested for a QSL. (Scaglione Play Dx No 772 January 10th)

TURKEY—*Radio Izmir* 7103 The verification signer for this station is Goksel Uysal, Technical Manager. (Kuhl Shortwave News January)

UGANDA—*Radio Uganda* The ruling National Resistance Movement will allow opposition parties air time in the run up to elections to be held in the first quarter of 1994. (BBCMS Summary of World Broadcasts No. 2 January 14th)

UKOGBANI—see GREAT BRITAIN

UKRAINE—*Radio Voskresenniye* 4825 A private station per the WRTH was heard at 0530. (Rankin Fine Tuning No. 723 January 22nd)

In late December, the director of the Lvov radio and TV transmission center said that due to increased energy prices, the Lvov radio transmission centre, one of the most powerful in Ukraine, has found itself to be bankrupt. Such a situation has evolved owing to the fact that since September the Russian *Ostankino* TV and radio company has not been paying the Lvov centre for the lease of its technical equipment which works to order from Ostankino. The order amounts to 30 per cent of the enterprise's capacity, that is, 66 hours a day. The employees are indignant since they cannot receive their salaries. If they do not pay, their gas and electricity were to be switched off. There is no money to acquire materials and spare parts. At present the Russian debt amounts to R382 million. The situation is critical. The enterprise cannot work in such conditions at a loss to itself. Therefore, if

before 28th December there was no confirmation of payment at government level, all radio transmitters working for *Ostankino*, inter alia the *Mayak* programme, will be switched off. The measures which we will be forced to take will affect the interests of both the Ukraine and Russia, unfortunately. The *Ostankino* company is also responsible for broadcasts from *Radio Moscow International*. (BBCMS Summary of World Broadcasts No. 1 January 7th) This site has multiple 1000 kW transmitters. (HJ January 20th)

UNITED STATES—*WRMI* The antenna tuning unit arrived last week. The engineers began connecting the transmission line today and expect to finish tomorrow. I'm hoping they can fire up the 50 kw transmitter within the next few days. As soon as tests indicate everything is OK, we will receive program test authority from the FCC and will be able to begin regular programming. I want to start out with an hour per day of our own programming—probably half English and half Spanish—which I will likely be producing. The working title for this program is *Viva Miami*. We continue to broadcast many programs through *WRNO* and especially *WIIRI*. (Jeff White January 26th)

KCBI 15725 new frequency ex 15375 from 1500–2330 and on 13740 0000–0200 and 9815 from 0300–1400. (Mike Fern January 3rd) The station will add a second transmitter by the end of 1994. (Padula Australian Dx News January)

KVOH The earthquake on January 17th cut power to this station and the engineers used the down-time to begin a component-by-component examination of the transmitter. (Mike Fern January 21st)

Radio Free Europe-Radio Liberty The year ended in redundancy for 309 employees of the station, which broadcasts to Eastern Europe and Asia. Almost a third of the station's 1,071-strong Munich-based workforce will lose their jobs in March and June 1994. The station's personnel director said a total of 342 jobs would go in Munich. The US intends to cut the station's worldwide workforce from 1,530 to 705 by October 1995 as part of a stringent savings package. The station's budget will be cut from 200 to 75 million dollars during the same period. (BBCMS Summary of World Broadcasts No. 1 January 7th)

WCSN the Prophecy group can be reached at: World Voice of Historic Adventism, P.O. Box 1844, Mount Dora, Florida 32757. (Berg Numero Uno No. 1255 January 21st) Their schedule is: 0100-0300 Daily 7465 1300-1545 11745 Saturdays 1500-1700 Daily 15665 1545-1700 Saturdays. There is no affiliation between this group and the Adventist denomination. (Adrian M. Peterson Radio News Bulletin January)

see **PIRATES-USA**

VANUATU—*Radio Vanuatu* has suspended 12 staff members, the entire program department team, for consuming liquor on the premises and insubordination. The six station journalists have taken over the programmers' duties on top of their journalistic work to keep the station on air. The suspension orders were handed out after seven staff members walked out in support of five colleagues suspended earlier. *Radio Vanuatu* says staff rostered for Christmas and New Year duties took alcohol to the premises, consumed liquor in the studio while on duty and tried to force others to drink. The board of *Radio Vanuatu* hasn't made it clear if any formal charges will be laid against the suspended staff, who won't return to work until 12th February. Meanwhile, the station, which opens for 16 hours a day, from six in the morning seven days a week, says the public is now complaining about missing out on many favourite programmes. (BBCMS Summary of World Broadcasts No. 3 January 21st)

The first shortwave transmitter here was a 2 kw transmitter donated by Australia in 1971 with the station operating on 3960 and 7260. In 1976 a break away group on Espiritu Santo formed a station known as *Radio Venerama* and this broadcast was heavily jammed by the British from Vila and later silenced, and its operator Jimmy Molly Stevens was jailed in Port Vila. The station operates on 3945 and 7260 and has English news on 3945 at 0900. (New Zealand Dx Times October)

VENEZUELA—*Radio Rumbos* 4970 has not been heard as of late making reception of nearby Peruvian and Bolivian stations much easier. (GP X January 9th)

VIETNAM—General reception notes on Vietnamese regional stations—The winter season is the time to log these low power

Vietnamese Regionals on the East Coast of North America so here are the two "best bets". In the afternoon period, try for *RTV Gia Lai*, Pleiku (South Vietnam) around 2230 peak on a variable and almost constantly drifting frequency in the neighborhood of 4787.4-4788, but you'll find it's fading down and QRM'd before 2300v sign off. In the morning, the most consistent regional signal this winter has been from *Bac Thai Broadcasting Station* also varying widely between 6628 and 6630. Try for this one around 1300 or at your particular local sunrise and shortly afterwards. (World Radio Report Dx Ontario February) In order to help myself with logging these stations in the morning I made up a "hit list" based on information from a variety of sources including David Foster, David Clark and Takayuki Inoue Nozaki, Juichi Yamada, Radio Japan's Media Roundup and the 1993 WRTH. Trying to catch them at sign on/off works pretty well for me. Keep in mind that they drift around a bit. Signals won't be strong but I find much of the music quite beautiful. Here is the list:

Station	Freq.	Notes
<i>Gia Lai</i>	4788v	1159 sign off
<i>Ha Giang</i>	4815	1200 sign on but not heard by anyone
<i>Son La</i>	4966	1200 sign on parallel 6329.3
<i>Kontum</i>	5069.7	1145 sign on but often gone by 1200
<i>Lao Cai</i>	5598.2	1200 logs parallel 6700.6
<i>Son La</i>	6329.3	1200 sign on parallel 4966v
<i>Yen Bai</i>	6404.2	1149 logs schedule is 1130-1215
<i>Lai Chau</i>	6430	1130 sign on but not heard by anyone
<i>Cao Bang</i>	6587.1	1217 logs listed 1200 sign on
<i>Unidentified</i>	6617	Noted mornings and evening by Clark
<i>Bac Thai</i>	6628.9	1155 listed sign on and 1358 sign off
<i>Lao Cai</i>	6700.6	1200 sign on parallel 5598.2 new transmitter put on the air in September.

Son La, Gia Lai and Kon Tum identify as: *Dai la Dai phat thanh va truyen hinh*-station name.

All others identify as *Dai phat thanh* -station name-. While there may be other regional stations on the air (the *WRTH* says that more than 20 of Vietnam's 51 provinces are on shortwave) these are the only stations logged. (HJ January 24th)

WESTERN SAMOA — *Samoa Broadcasting Service* Don't forget their program that is to be broadcast on *Radio Korea's Shortwave Feedback* on February 20th: Tom Sundstrom supplies the dates and times this show is on:

Sunday

Time	Freq	Target
0805	13670 7550	Eu
0835	15575	ME/Africa
1133	9650	ECNA
1230	7180	World
1305	13670 9570	SeAs
1435	6135 5975	World
1635	5975	World
2220	15575 6480	Eu

UTC Monday

Time	Freq	Target
0135	15575	Americas
0135	7550	Eu
0635	15155 11945	wNAM
0635	7275	World

(HJ January 26th)

YEMEN—*Sana'a* 9780 probably ended its English broadcasts in the middle of January. The station is now signing off shortly after 2100, the time when they previously started their English transmission. (Stephen J. Price January 19th)

ZAIRE—*HCJB* has plans to establish a station in Zaire but has not done so yet. July 1994 is still the target date. (HJ in conversation with *HCJB* January 13th)

ZANZIBAR—*Voice of Tanzania-Zanzibar*

Following up on last month's item of this station operating in the 41 meterband, I received the below reply from Richard Measham of BBCMS: You are very probably right in thinking that the reference to 41 metres was a mistake. The news report was translated from Swahili at our East African Unit and tapes of the actual broadcast are only kept for a very short time. It is, however, highly likely that the newsreader actually said 41 metres. We get a lot of misreading of news scripts. We even get plenty of items written by broadcast news journalists who don't know their metres from their frequencies, etc, etc. (HJ January 15th) Having seen Bill Flynn's item in the Sam Barto's excellent QSL report column about this station needing a few tubes, I thought it would be cool to take up a collection for them. That idea was quickly squashed once Elton Byington educated me (HJ) as to the costs of these tubes: I'm afraid we're talking BIG BUCKS for those tubes! They're so expensive they're not even listed in the Allied Electronics catalog. The closest I can come is \$1715.00 each for a 4CX5000A—a tetrode that dissipates 5kW.

The 4CX15000A dissipates 15kW and probably costs in the neighborhood of \$5,000! The biggest triode Allied sells is the 3-500Z—a glass-envelope tube that dissipates only 500 watts. Those babies go for \$253.00 a bottle. As for mailing these behemoths, forget it! These suckers are huge! They are usually shipped in big wooden crates and are suspended within a metal frame by a set of springs that form a trapezoid—sort of like those fancy microphone cradles broadcasters use to isolate the mic from vibrations and shocks. All told, you're talking about \$20,000 worth of tubes—about half that if the guy send in the "duds." (Elton Byington January 10th)

FOR SALE: Customized Beam Headings (from/to) and Distances (MI/KM) to over 482 *WRTH-93* transmitter sites including new Russian Republics. ITU Country Codes included. Send your location or coordinates, \$6.95. *NASWA Journals '91 and '92* complete, \$10.50 a year or \$20.00 for both. *WRTH-91*, \$8.50. "Passport to World Band Radio" '92 and '93, \$7.95 each or \$15.00 for both. All items include shipping (overseas shipping extra). Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704)894-3398, not collect, please.

QSL Reports



Sam Barto
47 Prospect Place
Bristol, CT 06010

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ABU DHABI: UAE Radio 11710 f/d folder cd. w/ personal note in 29 ds. for 2 IRCs. (Brouillette-IL). 11885 and 15315 f/d ltr. in 2 mo. v/s Aida Hamza, Director of Foreign Language Services. (Trummel).

ALBANIA: Radio Tirana 9580 p/d cd. w/ paper flag, schedule and sticker in 7 mo. after a f/up rpt. v/s Ardiana Bisha. Also rcvd. XMAS cds. later on. (Trummel).

ANTIGUA: Deutsche Welle 6040 f/d "40th Anniversary" cd. in 90 ds. (Poston-IA).

ASIATIC RUSSIA: Radio Nederlands 9810 via **Irkutsk** f/d cd. in 30 ds. (Gaharan-LA). same in 22 ds. (Lane). **Deutsche Welle 7340** via **Novosibirsk** and 12055 via **Samara** f/d cd. in 1 mo. after a f/up rpt. (Field-MI).

* **RID Time Signal Station 15004** f/d ltr. in 8 mo. for \$1.00. v/s Feodor Brazhnikov, QSL Secretary. Also rcvd. pocket calendar, postcard and schedule. My 25th time station verified! (Lare).

T I R L

via Trummel
Radio Noticias del Continente

Apartado 172, Pavas, Costa Rica.

Confirmando nuestra escucha en:
9.615 KHZ, el día **3-10-79**

de **11:00** a **11:09** Hs. GMT.

CERTIFICADO DE SINTONIA

Sr. Carlos Ledebell and D'Angelo

Confirmamos su escucha por la frecuencia de: **5030 kHz**

el día **10/12/72** a las **10 09 - 10 40** horas GMT

Gracias por su Informe.

Departamento de Ingeniería

AUSTRALIA: VLM4 4920 f/d cd. in 1 mo. for ms. (Rausch-NJ). **Radio Australia 6020** via **Shepparton** f/d ltr. in 1 mo. (Trummel). **Australian Armed Forces Radio 9193.5** via **Belconnen** f/d form ltr. in 25 ds. for \$1.00. (returned). v/s Deb Elsworth, Presenter. (Comeau) same in 33 ds. for 2 IRCs. (Poston-IA), f/d ltr. in 21 ds. (Trummel). 23678.5 f/d ltr. in 99 ds. for 2 IRCs. v/s Hugh McKenzie.

Manager/Presenter. (Yamada-JPN). **VNG 12984 Time Signal**

Station f/d cd. in 2 mo. for \$1.00. (Trummel).

Radio Australia 11800 f/d ltr. w/ schedule

in 58 ds. (Washbu-n-ME)... Thanks so very much for the reply... Sam. 7240 via **Brandon** f/d ltr. w/ "Wilderness" cd. and schedule in 25 ds. (Poston-IA).

AUSTRIA: Radio Austria International 15450 f/d cd. w/ schedule in 29 ds. (Yamada-JPN). 9655 f/d ltr. w/ schedule in 16 ds. for 1 IRC. (Brouillette-IL).

AZERBAIJAN: Radio Baku 15240 p/d cd. in 2 mo. (Humenyk-ONT).

BELGIUM: Radio Vlaanderen International 9930 f/d cd. w/ schedule in 105 ds. (Lane-ONT).

BONAIRE: Radio Nederlands 6165 f/d cd. w/ schedule and a sticker in 30 ds. (Humenyk).

BORNEO: RRI Banjarmasin 3249.9 f/d prepared

* cd. w/ personal ltr., schedule and sticker in 23 ds. for an IN rpt. v/s Drs. H. Harmyn Husein, Kepala Stasiun. I hrd. this station while in Bali. (Yamada-JPN)

WKRND QSL #111
HALLOWEEN OR NOT...
WERE KATIE DOG!



BUDAN NATIONAL RADIO CORPORATION (B.N.R.C.)	
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	ONDURMAN
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	TLX 20800 ONRAC.ED
LETTER OF VERIFICATION	
DEAR MR. <u>XXXXXXXXXX</u> <u>KLINCK</u>	
OF <u>USA</u>	
WE VERIFY THAT YOU RECEIVED RADIO ONDURMAN <u>GRABIC</u> PROGRAM.	
ON THE (S/W) <u>11.0</u> <u>919</u> KHZ	
ON (DATE) <u>10-9-92</u>	
FROM <u>08:00</u> TO <u>09:00</u> S.L.T.	(BUDAN LOCAL TIME)
<u>08:00</u> TO <u>09:00</u> E.T.C.	
OTHER INFORMATION - <u>11.0 New 215 KHZ</u> <u>TA POWER - 100 W</u> <u>PLS. RETURN TO: MONDRAHI</u> <u>EL MARI KHAIL</u> <u>YAKA.</u>	
STAMP	ENG. TECH. APPLING ADM. DATE <u>6.10.92</u>

VERIFICATION SIGNERS: Radio Malarque 6160.7 Eduardo Vicente Lucero, Jefe Tecnico and Nelasco H. Barrera, Interventor. Radio Emisora 9 de Abril 3203.5 Antonio Lafuente Azurduy, Director. Also use: David Bustillos Arevalo, Secretaria de Hacienda; Bruno Condori Sinani, Secretaria Relaciones; Julian Garcia Perez, Secretaria Prensa e Propaganda. Radio Santa Cruz 6135 Victor Blajot. Radio Record 6150 Mario Cato, Chief Engineer. Radio Itatiaia 4805 Lucia Araujo Bessa, Assistant to Director. Radio Inconfidencia 6010 Jairo Anatolio Lima, Director Artístico....via PLAY/DX.....Sam.

BULGARIA: Radio Varna 5890 f/d ltr. w/ * station stamp and a New Years cd. in 1 mo. v/s E. Gilena, English Section. Tnx. to Kusalik for help on this one. (Berg-MA).

BURKINA FASO: Radio Burkina 4815 f/d ltr. in 2 mo. after 2 f/up rpts. & \$1.00. v/s M. Pierre Tassemebedo. (Pogue-TN).

CANADA: CPVP 6030 ltr. in 2 wks. v/s Ken Pasolli, Technical Director. (Johnson-MD). same in 9 mo. after a f/up rpt. w/ 2 IRCs. (Kohl-

brenner-PA). CPRX 6070 f/d "Map" cd. in 10 ds. w/ personal ltr., postcard and ODXA material. v/s Stephen Canney. (Brouillette-IL). CFCX 6005 p/d cd. w/ ltr. in 40 ds. for \$1.00. v/s Kim Bicerdiike. (Poston-IA). Radio Austria International 6015 via Sackville f/d cd. w/ ltr. in 2 wks. (Trummel).

CHILE: CBV 8677 Time Signal Station f/d cd. in 2 mo. for \$1.00. v/s German Valdivia Ibarra, Capitán de Fragata Lt. (Trummel).

CHINA, PEOPLES REP. OF: CPBS 6095 f/d "Fishing in O'long Lake" cd. in 26 ds. (D'Angelo-PA). China Radio International 9920 and 7405 f/d "Poppy" cd. w/ newsletter in 19 ds. (Poston-IA).

NOTES: Paul Brouillette gives his best to everyone in the new year. He says that DX Alarm Clock # 2 (Kevin James, 7 lb. 3 oz.) was born on 11/26/93 - just in time for the DX Season. Congratulations!!!...Sam. Ernest Lawrence from Perry, NY says hello and enjoys reading the OSL Column. Keep sending in your reports. They are very useful...Sam. Charlie Gaharan wishes everyone a healthy and "DX" prosperous 1994. Thanks.

COLOMBIA: Ondas del Meta 4885 p/d ltr. in 1 yr. after a f/up rpt. in SP w/ ms. v/s Yolanda Plazas Agredo, Administradora. (Kohl-brenner-PA). Radio Buenaventura 4836 p/d ltr. w/ prepared cd. in 40 ds. for a SP rpt. and ms. (Klinck-NY). Caracol Bucaramanga 4845 cd. w/ 14 diff. stickers and a



RADIO MARABU

p/d ltr. in 38 ds. after 2 f/up
rpts. in SP. v/s German Gomez
Vahos, Gerente. (Jordan-TN).

COSTA RICA: Adventist World Radio

Radio Lira 11870 f/d cd. w/
pennant, sticker and newsletter
in 1 mo. for \$1.00 v/s David L.
Gregory. (Trummel). Radio For
Peace International 7385 f/d
cd. in 18 ds. for a FAXed
rpt. (Maes-BEL).

RADIO MARABU
A.O. Box 27 02 02
Tel. 011 223 1813
Tel. 011 223 1813
Tel. 011 223 1813
Tel. 011 223 1813



CHRIS LOBBELL - USA
TO _____
DATE 11.08.1993
TIME 00.08 - 00.38 UTC
FREQ. 7460 kHz
SINPO 33433

CRAZY RADIO

VERIFICATION SIGNERS: Radio Dushanbe

7245 Gulom Makhmudovich or Mrs.
Rajisa Muhutdinova, English News
Reader. Radio Thailand 9655 Bubpa Laemluang. Radio Izmir 7103 Goksel Uysal, Techni-
cal Manager. Radio Dubai 13675 Al Muhaiotes, Chief Engineer. WCSN 9850 Ed Cocklin.
Radio Marti 6030 Mike Pallone, Director of Operations....via PLAY DX.....Sam.

15030 f/d cd. in 41 ds. for \$1.00. v/s James Latham. (Poston-IA).
f/d cd. w/ schedule and sticker in 66 ds. (Lane). United Nations
Radio 7384 via RPPI f/d cd. w/ schedule in 31 ds. (Lane). 7384.7 and
7375 f/d cd. in 6 wks. (Barto-CT). 15030 f/d cd. in 1 mo. (Trummel).
Womens International News Gathering Service (WINGS) 7385, 15029.9,
21465 and 7375 f/d cd. for RPPI relay in 6 wks. (Barto-CT). TIFC 9645
Faro del Caribe n/d ltr. in 1½ mo. for \$1.00. v/s Juan Jacinto Ochoa
F., Manager. (Trummel).

CUBA: Radio Habana 6010 p/d cd. w/ schedule in 57 ds. (Lane). 17760 p/d
cd. in 103 ds. (Lane).

CYPRUS: BBC East Mediterranean Relay Station 15575 f/d cd. in 2 mo. for
\$1.00. (Pankake-MN). 21470 f/d cd. in 3 mo. for \$1.00. (Trummel).

CZECH REP: Radio Ropa Info 5980 f/d cd. w/ ltr. and stickers in 45 ds.
for a taped rpt. (Klinck-NY). same via the Litomyšl site in 3 ds. for
a FAXed rpt. (Maes-BEL). Radio Prague 7345, 9490, 9810 and 11990 f/d
cd. in 22 ds. for 1 IRC. (Lane).

DOMINICAN REP: Emisora Onda Musical 4780 p/d cd. in 33 ds. for a SP rpt.
* and \$1.00. v/s Mario Baez Asuncion, Director-Administrador. (D'Angelo)

ECUADOR: Radio Oriental 4779.7 f/d "Certificado de Sintonia" cd. w/ per-
* sonal ltr. in 2½ mo. for a SP rpt. v/s Luis Enrique Espinoza, Gerente
General. (Rausch-NJ).

4780 long green f/d cd.
and a prepared cd. in
3 mo. Also rcvd. a
nice pennant of "Macas
93". Addr: Olmedo 239
y Amazonas, Casilla
260, Tena. (Berg-MA).
HCJB 15155 and 17490
p/d "San Rafael Falls"
cd. in 32 ds. for a
\$1.00. (Poston). Radio
Bahai del Ecuador 4950
f/d cd. w/ personal
ltr. in 2 mo. for a SP
rpt. and ms. v/s William
Rodriguez. (Rausch-NJ).
personal ltr. w/ cd.
in 65 ds. for a SP rpt
and \$1.00. (D'Angelo).

ENGLAND: VOA 6040 and
7170 f/d cd. in 57 ds.
for ms. v/s John Vode-
nik. (Poston-IA).

ETHIOPIA: Voice of Ethio-
pia 9560 f/d cd. in 1
mo. w/ sticker (Humenyk)

RADIO TACNA

POSHADO KL. 31 DE AGOSTO DE 1966
CASILLA 370 TACNA - PERU

O A X M	8,905 KHz.	Onda Corta	Banda de 31.5 Mts.	0.2 Kw.
O A X M	1,470 KHz.	Onda Media	Banda de 204 Mts.	1.0 Kw.

CONFIRMACION DE REPORTAJE DE SINTONIA

SEÑOR : RICHARD A. D'ANGELO
Direccion : 2216 Burkey Drive
Ciudad : WYOMISSING
País : E.E.U.U.

Confirmamos su Reportaje de Sintonia efectuado el: Día: 20 Hora: 09.48 - 10.72 UT

Mo: MARZO Año: 1,993 en nuestra Frecuencia: 9,505 KHz

Banda: 31 Metros

Observaciones: Nos ha dado gusto recibir su carta. TACNA, es una ciudad situa-
da al Sur del Perú, y desde aquí le hacemos llegar un saludo, tambien para
su esposa Susan, sus hijos Adam y Jennifer. Haciéndole la cordial invita-
cion para que un día no muy lejano nos visite y pueda conocer personalmen-
te nuestra emisora RADIO TACNA.

El 20 de Agosto cumplimos 33 Años de Fundacion, más de medio
siglo informando y entreteniendo. Le enviamos un recuerdo (banderín) para
que nos siga sintonizando.

EURO PIRATE: Radio KIWI **667**
6204 via Radio Pamela f/d cd. w/ ltr.
in 1 mo. for \$1.00.
v/s Graham J. Barclay
This was for an 86
reception! (Trummel).
6205 via Radio Del Mare
f/d cd. w/ ltr. in 1 mo.
for \$1.00. v/s as above.
(Trummel).

Radio DOOMSDAY QSL

#1



#1 via Lobdell

TEST MISSION

EUROPEAN RUSSIA: Radio
Moscow 12070 via St.

Petersburg f/d cd. in 60 ds. (Gaharan-IA).

FRANCE: Radio France International 17650 f/d cd. w/ schedule in 1 mo.
(Lane). 15365 f/d "Place des Vosges" cd. in 73 ds. (Washburn-ME).

FRENCH GUIANA: Radio Japan 15230, 15325 and 21610 f/d cd. in 1 mo. (Tru-
mmel).

GALAPAGOS ISLANDS: La Voz de Galapagos 4810.5 finally returned (mmel).
* my prepared cd. w/ incorrect data and enclosed a postcard w/ verie
statement and many f/up rpts. in SP since 1976!!! v/s Edgar Vallejo,
Gerente. (Hardester-NC)...Great!

GERMANY: Deutsche Welle 11865 via Julich f/d "40th Anniversary" cd. w/
site in 105 ds. (Poston). VOA via Munich f/d "Sunrise" cd. in 10 ds.

Please note: My rpt. was for 3980 from 0530-0600 on 11/25/93. The cd.
states 11965 from 0410-0435 on 6/6/93. Anyone got my cd. cause

I got yours. Want to exchange? (Helml). VOA 15155 via
Wertachtal f/d cd. in 36 ds. (Hardester). Radio

Liberty 6170 via Biblis p/d cd. w/
site in 1 mo. (Ondrechen-DEN).

7245 via Lampertheim
p/d cd. in 1 mo. (Ond-
drechen-DEN).

GREECE: Voice of Greece 9420
f/d cd. w/ schedule in 14 wks.
for \$1.00. (Poston-IA). 9425, 11595

and 11645 f/d cd. w/ schedule in 129 ds.
(Lane).

GUAM: KTWR 11805 f/d "Transmitter Sunset" cd. w/
personal note in 1 mo. for ms. v/s Judy C. Speck. (Ondrechen-DEN).

GUATEMALA: Radio Buenas Nuevas 4799.8 f/d prepared cd. in 2 mo. for a
SP rpt. and ms. v/s Israel Rodan. (Rausch-NJ).

NOTES: Ludo Maes in Rijkvorsel, Belgium sent in some QSLs that he recently received.
They are all useful. Keep reporting...Sam. Ed Poston has just installed his new
Alpha Delta Slopper antenna. Ed hopes his "superior" protects the antenna and will
guide the waves to his antenna. Hi! QSLs have been slow in arriving. Ed you should
check with Father John. He got his Nepal QSL without too much trouble. Mary Jo Ond-
rechen needs the address for Europirate WGAS. Check page 35 of the Dec. Journal.

GUYANA: Voice of Guyana 5950 p/d form ltr. in 108 ds. for \$1.00. (Klinck)

HONDURAS: HRJA Radio Copan International 15675 f/d cd. in 3 mo. for
\$1.00. (Pankake-MN). f/d cd.
in 2 mo. v/s Jeff White.
(Barto-CT). same cd. in 5
mo. for ms. (Rausch-NJ). in
45 ds. after a f/up rpt. &
SASE (used). (Trummel). in
63 ds. for a rpt. to the
Miami addr. (Hardester-NC).
in 5 mo. for \$1.00. same in
5 mo. (Berg-MA). in 5 mo.
for \$1.00. (Millard-TX). La
Voz de la Mosquita HRXK
4910 n/d ltr. in 21 ds. for
ms. Pennant was rcvd. v/s
Sammy Simpson. (Millard-TX).





Radio 93' Free Mass.

CHRIS LOBBELL
STONEHAM, MA.

26 NOV, 93
03:00 UTC
1620 KHZ

by H. V. Short.

QSL 93

HONG KONG: BBC 11820 f/d form ltr. in 16 ds. for \$1.00. v/s Phillip Sandell.(Com-eau-MA). 21715 f/d ltr. in 22 ds.(Maes-BEL).

INDIA: All India Radio 3255 * via Shillong f/d "Old Castle and Temple" cd. in 10 mo.(Lare).

ITALY: RAI 11800 f/d "Nudi" cd. in 6 mo. for 1 IRC.(Anderson-MI).

NOTES: Mary Jo Ondrechen writes us from the "Kemisk Institut" in Aarhus, Denmark where she is on sabbatical leave. Mary Jo brought along her R8 and is hearing a ton of stations! Great going! Chris Sweitzer sends along holiday greetings to everyone. Good DX has been scarce. Here too!...Sam. Jerry Klinck also sends his wishes to all of us. He is very thrilled with the recent logging of VL8K. Father John Eckert is overjoyed with his Nepal QSL. What makes it even more rewarding is that he monitored the station on his R5000 and on the GE World Monitor, a portable receiver!

ISRAEL: Kol Israel 9435 f/d cd. in 1 1/2 mo.(Trummel).

JAPAN: Radio France International 17710 f/d cd. in 83 ds. for a FR rpt.(Humenyk-ONT). Radio Japan 9535 f/d cd. w/ 1994 calendar in 1 mo. for ms.(returned). v/s H. Kawamoto.(Pappas-SD). p/d "Sunset in the Ancient Capital in Nara" in 9 ds. w/ schedule.(Humenyk-ONT).

KAZAKHSTAN: Radio Nederland 12025 via Alma Ata f/d cd. in 2 mo.(Anderson-MI).

KIRIBATI: Radio Kiribati 9825 f/d "National Scout Camp" cd. in 74 ds. for \$1.00.(Lawrence)

KOREA, PEOPLES DEM. REP: Radio Pyongyang 15115 f/d "Building" cd. in 1 mo. after a f/up rpt. for a 9l reception. Report was mailed from Greece by a friend.(Pogue-TN).

LEBANON: Wings of Hope 11530 f/d cd. in 173 ds. for \$1.00.(Maes-BEL). f/d cd. w/ schedule in 6 wks. for \$1.00. v/s Paul Johnson, Station Manager.(Pankake-MN).

LIBERIA: ELWA 4760 paper cd. in 10 ds. after a f/up rpt.(Berg).

LITHUANIA: Radio Centras 9400 "Special QSL Ltr." for the first rpt. from the Western Hemisphere. This was a 1kw transmitter. v/s Rimantas Pleikys, Editor in Chief. This was in 6 wks. for a taped rpt.

MALAGASY REP: Radio Nederland 9860 f/d cd. in 3 mo. (Berg-MA). (Trummel). 11655 f/d "Happy Station Team" cd. in 60 ds.(Hardester).

MALAWI: MBC 3380.7 p/d ltr. in 18 mo. after 3 f/up rpts. for \$1.00.

v/s Ben M. Tembo.
(Kohlbrener-PA).

MALI REP: China Radio

International 11715 f/d "Flowers" cd. in 2 wks. for ms.(Pappas-SD).

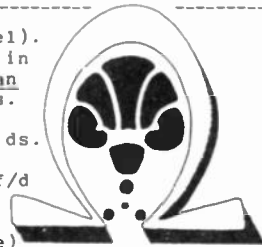
MALTA: Voice of the Mediterranean 11925 f/d cd. in 1 mo. for 1 IRC.(Pankake-MN).

Deutsche Welle 15105

f/d "40th Anniversary" cd. in 90 ds.(Poston)

MEXICO: Radio Educacion

XEPPM 6185 f/d cd. in 2 mo. for \$1.00 after a f/up rpt. Sticker rcvd.(Pogue-TN).



Omega Radio

via Lobdell



Dear John C. Eckert,

We are very pleased to confirm your reception report of our transmission, which is in accordance with our schedule.

Date: 28 Dec. 1988

Frequency (kHz) 5005

Time (UTC): 12:11 - 12:35

We thank you for your report, we will be pleased to hear from you again. With best wishes from Nepal!

International Hours: 06:15 - 17:15 BRS (UTC)

FREQUENCIES 5005 7165/2130 1162 810 790 404 648 578 (kHz)

R. J. Karkis
Signature



John C Eckert

REV John Eckert

429 Fern St

PHILADELPHIA

PA 19120-1213

USA



**VERIFICATION OF RECEPTION
via Mark Humenyk**

We are pleased to confirm your reception of our broadcast on:

DATE: 030192 GMT: 0358
KHZ: 7265 MHZ: 0
RELAY: Botswana Relay

To improve west Continental shortwave transmitters are entering service at Mosoping Hill, Botswana. Two are scheduled to go on the air in December 1991, and two in early 1992. The transmitters are connected to curtain antennas two directed to west and central Africa, two to east and central Africa. VOA programs are led from Washington to Mosoping Hill by SA 6816.

Thank you for your interest in VOA. We hope you will continue to enjoy our program.

MEXICO: Radio Educacion 6185 p/d "Certificado de Sintonia" cd. w/ schedule in 240 ds. for a SP rpt., tape and \$1.00. (Washburn-ME).

MONGOLIA: Radio Ulan Bator 13780 f/d cd. in 135 ds. for a taped rpt. and 2 IRCs.

MOROCCO: VOA 15410 via **Briefch** (Collins-OR) f/d cd. w/ site in 35 ds. (Rigas-IL).... Check Spanish Morocco.

NAMIBIA: Namibian Broadcasting Corporation 3270 f/d "Sossosvlei in the Namib Nature Park" cd. w/ ltr. and schedule in 39 ds. v/s P. Schachtschneider, Manager Transmitter Maintenance. (Yamada-JPN).

NEPAL: Radio Nepal 5005 f/d "Pokhara" cd. in 5 yrs. and 4 mo. after 6 f/up rpts. I sent them magazines. Maybe it worked. v/s Ram. Karki, Divisional Engineer. (Eckert-PA).

NEW GUINEA: Radio Northern 3345 f/d ltr. in 326 ds. after several f/up rpts. v/s Misael Paia. (Paszkiwicz). **Radio Morobe** 3220 p/d ltr. in 5 mo. for ms. v/s Peter W. Manau, Program Manager.

PALAU: KHBN 9830 f/d cd. in 193 ds. for \$1.00. (Maes-BEL). (Kohlbreuner-PA).

PERU: Radio Naylor 4299.8 f/d cd. w/ ltr. in 27 ds. * for a SP rpt., tape and \$1.00. (Klinck-NY). **Radio Tropical** 4935 f/d prepared cd. w/ personal ltr. and sticker in 1 1/2 mo. for a SP rpt. and ms. v/s Luis F. Mori Rodriguez, Gerente. (Rausch)

PHILIPPINES: VOA 9760 via **Tinang** f/d cd. in 1 mo. (Anderson-MT).

PORTUGAL: Radio Portugal 9705 f/d "Map" cd. in 3 mo. for \$1.00. Also rcvd. pennant. (Palmerheim-WA).

ROMANIA: Radio Romania International 11830 f/d cd. w/ schedule in 133 ds. (Dukes-SC). 9690 f/d "Polana Brasov Lake" cd. w/ schedule in 70 ds. (Humenyk-OMT). 11940 f/d cd. w/ schedule and stickers in 101 ds. * for \$1.00. (Lane). **Radio Romania Actuelitati** 7225 f/d cd. w/ ltr. in 144 ds. (D'Angelo-PA).

RUSSIA: Radio Moscow 11805 f/d cd. in 62 ds. (Lane). 7180 f/d cd. in 56 ds. for \$1.00. (Lane). 17760 via **Volqograd** f/d "Peoples Friendship" cd. in 39 ds. (Humenyk).... Does anyone have a location for this site?.... Sam.

RWANDA: Deutsche Welle 9565 f/d "40th Anniversary" cd. in 34 ds. (Martin-CA). 15135 f/d cd. in 95 ds. for 1 IRC. (Lane).

SAIPAN: KHBI 9425 f/d cd. in 42 ds. for ms. v/s A. Hgisalo. (Poston-IA).

SAUDI ARABIA: BSRSA 9885 n/d ltr. w/ very slick program schedule in 3 mo. v/s Sulaiman Samnan, Director. (Barto).

SCOTLAND: Weekend Music Radio 6295, 6290 and 6230 f/d cds. in 2 1/2 mo. for \$1.00. v/s Jack Russel. Info. sheets & poster rcvd. for these 85 and 86 receptions! (Trummel).

RADIOIRINA

The Voice of Freedom

TIENG NÓI TỰ DO TỪ MẠC TUKHOA

6433 Northanna Drive, Springfield, VA 22150, U.S.A.

October 31, 1992

Mr. Richard D'Angelo
2216 Barkley Drive
Myrossing, VA 19610

Dear Mr. D'Angelo:

This is to acknowledge receipt of your superb reception report of Radio Irina, The Voice of Freedom, on October 24, 1992.

It is thanks to detailed reports such as yours that we can know to which extent we have been successful in our broadcast mission to Vietnam—bringing the message of Freedom and Democracy to this long suffering land.

We are returning herewith your OEL verification card as per your request. Once again, thank you from the bottom of our heart for your kind cooperation. Our best regards to Susan and the children.

Sincerely yours,

Dao Thi Mai, Ed.D.
The Voice of Freedom

SEYCHELLES: BBC 17885 f/d ltr. in 11 ds. for a FAXed rpt.(Maes-BEL).

SIERRA LEONE: SLBS 3316 p/d blue cd. in 369 ds. after 2 f/up rpts. for \$1.00. v/s Joshua Nicol.(Comeau).

SINGAPORE: BBC 17830 via Kranji f/d cd. in 10 ds. for a FAXed rpt.(Maes-BEL).

SLOVAKIA: Slovak Radio 7310 f/d "Bratislava Building" cd. in 32 ds. for \$1.00.(Martin-CA). 5930 f/d cd. in 18 ds.(Lane).

SPANISH MOROCCO: VOA 15410 f/d "Sunrise" cd. in 56 ds. v/ John Vodenik.(Palmerheim-WA)...Some rpts. I've seen say that the Briech site is in Spanish Morocco...Sam.

SULAWESI: RRI Ujang Pandang 4753 f/d ltr. in 12 wks. for an IN rpt. and ms.v/s Larry Rachim.(Pappas-SD).

Mr. Richard A. D'Angelo
2216 Burkley Drive
Wilmington, PA 19610
USA

SUDAN: National Unity Radio 9435 f/d form ltr. in 5 * yrs. after a f/up rpt. v/s Mohammed Elmahdi Khalil.

SURINAME: Radio Apintie 4990.9 p/d embossed (Berg).

Dear Mr. D'Angelo,

Thanks for tuning us in! And thank you for your letter dated July 23 in which you send us a full-detailed reception report for July 22 broadcast of RADIO NACIONAL DE VENEZUELA on 9,540 kHz 31.45 meters at 0043 UTC.

Your details are accurate, therefore, I'm pleased to send you a QSL card and some information concerning RADIO NACIONAL DE VENEZUELA, which I trust you will find interesting.

I was trying to find your city on a map because I'm quite familiar with some portions of Pennsylvania. My father lives in Muncy, near Williamsport, and I spent a whole summer in Huntington and Mount Union about 15 years ago. So it was nice to get a letter from a state I really love.

I'm a journalist, originally from Texas, and I have been working at RADIO NACIONAL DE VENEZUELA since we went on the air in English in January.

Thanks again for your letter, and I hope you will continue to tune us in.

Sincerely,

MARTIN "MARTY" G. DELFIN
English Service



SWAZILAND: Voice of Renamo

* 6155 via Radio Cidade FAXed ltr. from Dario Bettencourt, Director of Programmes from Swaziland Commercial Radio, PTY LTD., P.O. Box 15535, Doornfontein 2028, South Africa. FAX 2711-434-3682. confirmed my reception of a test transmission in 5 ds. (Howard-CA).

SWEDEN: Radio Sweden 11650 and 9690 f/d "Skanor" cd. in 8 ds.(Brouillette-IL).

TAIWAN: WYFR 9280 via Voice of Free China f/d cd. in 20 ds. for 1 IRC. Sticker rcvd. (Helm-KS). Voice of Free

China f/d "National Baseball Team" cd. w/ schedule and sticker in 25 ds. TURKEY: Voice of Turkey 9445 f/d cd. in 38 ds. w/ sticker, (Humenyk). schedule and station pennant.(Lane).

USA: WRMI Radio Miami International 9955 f/d "Logo" cd. in 20 ds. for \$1.00 Sticker and brochure rcvd. v/s Jeff White.(Palmerheim-WA). f/d cd. w/ sticker in 13 ds. for \$1.00. 400 watts.(McCarthy-GA). f/d cd. w/ sticker



and ltr. in 11 ds. for ms. (Hardester-NC). f/d cd. w/ form ltr. in 6 ds. for a FAXed rpt.(D'Angelo-PA). f/d "Palm Branches over Ocean" cd. in 19 ds.(Washburn-ME). f/d cd. in 13 ds. for \$1.00. Sticker was rcvd. (Comeau-MA). same w/ ltr. and sticker in 13 ds.(Millard-TX). f/d cd. in 2 wks. for reception of their test transmission.(Gaharan-LA). cd. w/ sticker and form ltr. and a personal note in 3 wks.(Berg-MA).

QSL

RADIO

via Lobdell



CONTINENTAL

BARINAS - VENEZUELA

1 mo. (Trummel). **WWCR** n/d cd. in 9 ds. for ms. v/s Doug Nathan. (Poston-IA).
WEWN 7425 f/d "Angel" cd. w/ schedule in 37 ds. for ms. (Poston-IA).
WYNB 15295 and 15185 f/d cd. w/ schedule in 19 ds. for ms. (Poston).
WJCR 7490 f/d cd. w/ ltr. and schedule in 35 ds. for ms. (Poston-IA).
WHRI 9465 f/d cd. w/ schedule in 94 ds. for ms. v/s Loren Holycross. (Poston). 7315 f/d "Logo" cd. in 146 ds. w/ schedule. (Humenyk-ONT).
WCSN 21640 f/d "Antenna" cd. in 33 ds. v/s Frank L. Hoskins Jr. (Humenyk-ONT). f/d cd. in 21 ds. for a FAXed rpt. (Maes-BEL). 13770 f/d cd. in 47 ds. (Dukes-SC). **WSHB** 15665 f/d "Antenna Array" cd. in 30 ds. v/s Judy P. Cooke. **WSHB Staff.** (Humenyk). f/d cd. in 21 ds. for a FAXed rpt. (Maes-BEL). 9465 f/d cd. in 23 ds. for ms. (Poston-IA). f/d cd. in 56 ds. (Lane).

USA: WFLA 25870 p/d cd. in 1 mo. after a f/up rpt. for SASE. (Trummel). **WRNO** 15420 p/d "Limbaugh" cd. in 19 ds. for ms. (Pappas-SD). p/d "New Orleans Saints" cd. w/ schedule in 1 mo. for SASE. (Poston-IA). p/d "LSU Tigers" cd. in 1 mo. for SASE (Trummel). **KTBN** 15590 f/d "Antenna/Towers" cd. in 91 ds. w/ schedule. (Humenyk-ONT). **KJES** 9510 f/d postcard in 18 ds. for ms. v/s M. Reuter. (Poston-IA). **Voice of Free China** 5950 via **WYFR** f/d cd. in 26 ds. w/ sticker. (Palmerheim-WA). f/d cd. in 30 ds. for ms. v/s Doug Nathan. (Poston-IA).

RADIO TROPICAL



card in 1 1/2 mo. via Wellsville drop. (Trummel). **Radio Airplane** 7465 f/d "Anniversary Certificate" in 1 mo. (Trummel). **RPM** 1620 f/d "Skull and Crossbones" cd. in 2 wks. for 3 ms. from the Wellsville drop. (Lobdell-MA). **He Man Radio** 15050 f/d OSL in 25 ds. for 3 ms. via the BRS drop. (Hardester-NC). **WKND** 7415 f/d "Dog in a Dog Suit" sheet in 6 wks. (Lobdell-MA). f/d "Halloween or not..." data sheet in 51 ds. for 3 ms. (Arey-NJ). **Voice of Laryngitis** 7416 "Man with Mouth Taped Shut" cd. in 54 ds. for 3 ms. (Arey-NJ). **Radio Beaver** 7415 data sheet w/ family photo in 65 ds. for 3 ms. (Arey). **Voice of the Mission** 7415 f/d sheet in 33 ds. for 3 ms. (Frodge-MI). **WLIS** 7415, 7425 and 7435 various f/d sheets. (Frodge-MI). **Tube Radio** 7425 f/d "Halloween" sheet in 42 ds. for 3 ms. to the BRS drop. **Radio 16 Desann** 17830 via **WHRI/WRMI** f/d cd. in 6 ds. for a taped rpt. and \$1.00. (Hardester-NC). 9850 smallish green cd. in 9 wks. for a taped rpt. to the Haitian Embassy. (Berg-MA).

USA (Pirates): Radio Free Salvation

7413 f/d sheet in 3 wks. for 3 ms. (Rausch-NJ). **Radio Doomsday** 7465 f/d "Skull and Globe" cd.



CBHMS CONSERVATIVE BAPTIST HOME MISSION SOCIETY
 PO BOX 828 WEAVERHAM CT 06189-0828

January 5, 1990

Mr. Nicholas Terrance
 13 Eleanor Pl.
 Huntington, NY 11743

Dear Mr. Terrance:

We were very happy to receive your letter and to hear that you were able to pick up Radio Station HWVC. We have forwarded your reception report and a copy of your letter directly to the radio station in Tegucigalpa, Honduras.

We are enclosing some materials which will provide you with more information about Radio Station HWVC. If we can give you any further information about the radio station or about the work of CBHMS, please don't hesitate to contact us.

Thank you for taking the time to write us. Over the years, it has been exciting for us to hear reports from many different areas of the world when people have been able to listen to Radio Station HWVC. We believe this station does a very important work, and we are very glad that your hobby has enabled us to meet you through this letter.

Sincerely yours,

Lois A. Jones

Lois A. Jones
 Assistant Treasurer

Sam

 We're going to end the QSL Column at this point. Lots more for next month!..Sam.

Contributors' Page

Vernon Hyson
5410 Camp Stewart Road
Charlotte, NC 28215
CompuServe 76516,1531



LOGGINGS CONTRIBUTORS - February 1994 - DEADLINE 10th of MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	NRD525 Vs Longwires
Mark ANDERSON, Prescott, MI	NRD525 DX440 Eavesdropper 180' Random
Jerry BERG, Lexington, MA	R8 R390A HQ180A 150' LW
Julianna BICKUS, Herndon, VA	R8 ATS803A Transoceanic Eavesdropper
Ralph BRANDI, Middletown, NJ	R8 Sony 2010 RF4900 48' & 80' Random
Jim CLAR, Rochester, NY	R8 FRG8800 Eavesdropper, 110' LW
David M. CLARK, Thornhill, ONT	2-R8 2-R7 1HQ180C Mucho Antena
Russell CLEVELEY, Wilson, NY	Icom 725 R1000
Larry COMPTON, Singapore, SINGAPORE	RFB65D
Richard D'ANGELO, Wyomissing, PA	R8 FL3 AD Sloper Farley Loop
William DAVENPORT, Nashville, TN	DX380 ICF7601 AN1
Jim DUCHARME, Hadley, MA	SX100 SX110 S76 65' Trap Dipole 41' MLB Antenna
Marlin FIELD, Hillsdale, MI	NRD535D SPR4 Eavesdropper
Harold FRODGE, Midland, MI	R71A DX302 Sony 2002 AP4 MFJ 956 Trap Dipole RW
Peter GRENIER, Sparks, NV	FRG7 ATS803A MFJ1020A Realistic Amp Antenna
Scott HELM, Kansas City, KS	R5000 AD Sloper 500' Beverage
Hans JOHNSON, Columbia, MD	R8 FL3 AD370 AD Sloper 50' LW
Rufus JORDAN, Pittsburgh, PA	DX302 Transoceanic 33' LW
Marv KAMINSKY, Flanders, NJ	NRD535
Jerry KLINCK, West Seneca, NY	R8 HQ180A Sony 2010 2-60m Dipoles 80' LW
Marie LAMB, Brewerton, NY	HF150 ATS803A DX375 MFJ16010 16m Dipole 60mLW
Jim LANE, Toronto, ONT	R5000 20m Dipole
Ernest LAWRENCE, Perry, NY	NRD525 DX440 Dipole LW
Harold LEVISON, Philadelphia, PA	R8 R70 D2999 Indoor LW
John LYON, White Bear Lake, MN	HF225 ATS803A MFJ9490 80' 10m dipoles
Daniel McARTHUR, Calhoun, GA	R70
William McGUIRE, Cheverly, MD	DX380
Ed NEWBURY, Bridgeport, NE	R8 R5000 70' Windom 66' Dipole 45' Segmented
Marina PAPPAS, Huron, SD	DX400 Indoor Random
Sheryl PASZKIEWICZ, Manitowoc, WI	NRD515 NRD525 Eavesdropper 150' LW
Martin PECK, Bronx, NY	NRD515 R71A FRG7 DA100D
Steven PITTS, Omaha, NE	NRD535D FRG7 Eavesdropper R.West Loop
Ed RAUSCH, Cedar Grove, NJ	R5000 Sony 2010 MFJ959 Eavesdropper 150' LW
Wally RHYNE, Gastonia, NC	R71A R1000 Sony 2010
Doug ROBERTSON, Oxnard, CA	DX302 FRG8800 FRA7700 ATS808 LW
Betsy K. ROBINSON, Clinton, TN	R8
Richard ROTHAR, Iselin, NJ	DX390
Mike RYAN, Bangkok, THAILAND	
Steve SCHMIDT, Glendale, AZ	
Giovanni SERRA, Rome, ITALY	NRD525 AD Sloper
Errol URBELIS, Kings Park, NY	TS440S HQ180 Sony 2010 FRG7 125' LW SX43 SX99
John VODENIK, VOA Bethany, OH	R8
Yuichi YAMADA, Nara, JAPAN	NRD525 10m Dipole 60m LW

The only DX Pedition this month was from the infamous Gifford Pinchot State Park front line of Rich D'Angelo, Hans Johnson, Dave Valko & Fred Kohlbrenner. With the recent turn in the weather, any DX Pedition north of I-70 will be treated as in the Artic, unless the QTH is a Holiday Inn.

Many thanks to all who take the time to share their logs! I know it is easiest just to record our logs and close the book, so your extra effort in sending in your logs is not unnoticed or unappreciated.

Enjoyable listening & good DX -

Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



First I want to send best wishes and prayers to those members who were adversely affected by the earthquake or the winter weather depending on where you live. Hopefully the spring will be more peaceful.

Second, there is a new frequency database available called Avatar. It is available 4 times a yr on disk (\$50) or hard copy (\$12). Custom lists such as country specific are .20/page. Especially good for DXing as it lists domestic bx only, not int'l stations. More info, write Kirk Trummel, 1122 W. University, Springfield, MO 65807. Check it out!

- 1625 PIRATE R Confusion 1/1 0610 EG rock, IDs (Alexander-PA)
2020h MEXICO XELO 12/31 1228 dance mx, EG ID 1010x2 (Schmidt-AZ)
2325 AUSTRALIA VL8T 12/31 1030 ID, nx, pops //2485 (Robertson)
2390 GUATEMALA LV de Atitlán 12/8 0331* marimbas, FC, anmt (Pasz)
2390 MEXICO Huayacocotla 1/12 1122 full ID, short tlks, mx (Helm-KS)
2410 NEW GUINEA Enga 12/29 past 1300 w/nx //9675 (Clark-ON)
2450 N KOREA KCBS 12/11 1555 tlk, TP, EZL mx (Compton-SINGA.)
12/29 1317 anmt, class mx, //3350 (Clark-ON)
2200 SWAZILAND TWR 1/1 0320 rel barbershop quartet, nx (Lyon-MN)
210.2 MOZAMBIQUE RM 1/8 0316 ment Moz, ID, afropop (Orr-GP)
204.5 JAVA Bandung 1/8 2203 Jak nx, tlks //3395.1 (Orr-GP)
214.8 SULAWESI Manado 12/27 1500 nx, ID, Xmas mx (Yamada-JAPAN)
222 TOGO R Kara 0700 FR nx, lost to noise (Vodenik-OH)
224.8 SUMATRA Tanjung Pinang 12/29 2157 SCI, nx, mx (Yamada-JAPAN)
230 NEPAL R Nepal 12/26 1525 Nepali lcl mx, nx //5005 (Yamada)
12/31 1300 tlk/instls //5005 noted by Cedric M. (Clark-ON)
230.1 PERU El Sol de los Andes 12/19 0955 OA mx, echo IDs (Klinck)
231.8 SUMATRA Bukittinggi 12/26 1545 pops, ID, SCI, nx (Yamada)
240 SWAZILAND TWR 1/1 0335 lang tlk, choir, organ, IS (Lyon-MN)
249 HONDURAS Luz y Vida 12/30 1200 rancheras, ID, TC (Daven.)
12/25 1130 SP ID, folk mx (Kaminsky-NJ)
249 KALIMANTAN Banjarmasin 12/9 2258 IS, tlk (Compton-SINGA.)
12/29 2200 SCI, nx, anthem, best this season (Clark-ON) 1/8
2203 Jak nx, tlks (Orr-GP)
264.7 SULAWESI Gorontalo indeed the one in mid-Nov per Yamada/
Johnson, back on 3266.4 since mid-Dec. (Clark-ON)
266.4 SULAWESI Gorontalo 12/29 2140 rel tlk, jingle, ID (Clark)
270 ECUADOR Ecos del Oriente 12/20 1045 instls, ID, calls, nx
(Lamb-NY) 12/5 1104 nx, IDs, lcl mx (Klinck-NY) 1/14 1018
salsa, huayños, canned ID, TCs (Orr-VA)
280 ECUADOR LV del Napo 12/28 0125 ID, mx, TCs, 0305* (Field)
12/15 0150 ID, kids singing (Newbury-NE)
290 NAMIBIA NBC 11/26 0125 rock mx //3270 (Newbury-NE)
300 GUATEMALA Cultural 12/30 1113 rel, Xmas mx (Davenport-TN)
12/25 1101 rel tlk, chorus (Levison-PA) 12/12 0415 EG
preaching, fair (Newbury-NE)
316 SIERRA LEONE SLBS 12/31 2250 EG church svc (Lyon-MN)
325 GUATEMALA Maya 12/30 1105 folk mx, ID, TC (Davenport-TN)
12/29 1036 carols, IDs, tlk abt nativity (Lamb-NY) 11/30
1108 organ mx, rel tlk, fair (Clar-NY)
325 KALIMANTAN Palangkaraya 12/19 2210 Jak nx (Clark-ON)
329.7 PHILIPPINES FEBC 12/26 1010 Tagalog pops, rel (Yamada)
335 TAIWAN CBS 12/10 2207 long tlks //6087 (D'Angelo-PA) 12/26
2225 YL tlks (Clark-ON) 12/19 2200 vcis, TP, ID (Clark-ON)
345 MOLUCCAS Ternate 12/15 1345 DJ, ID, FC, Love Ambon (Yamada)
355 INDIA Kurseong 12/26 1232 EG nx, u/PNG (Clark-ON)
362 GUATEMALA LV de Nahualá 12/29 1055 Beer Barrel Polka,
rancheras, ID, Bible tlk (Lamb-NY)

- 3365 INDIA AIR Delhi 1/7 0146 Hindi SC, film mx, ment Vividh Bharati (Orr-GP)
- 3370 GUATEMALA Tezulutlan 12/15 0251 //4835 (Newbury-NE)
- 3373.5 JAPAN NHK Osaka-2 12/29 1159 3+1 TP, anmts, poss lang lesson (Clark-ON)
- 3375 BRAZIL RN Sao Gabriel 1/4 0913 pops, IDs, "Brasil Bom Dia" (Lamb-NY)
- 3375 NEW GUINEA RWH 12/26 1320 chamber mx //9675, pops (Clark)
- 3376 SUMATRA Medan 12/9 2302 nx, mx (Compton-SINGAPORE) 1/1 2240 YL tlk, guitar (Clark-ON)
- 3380 GUATEMALA R Chortis 12/15 0245 rancheras, prayers (Newbury)
- 3384.9 SUNDAS Kupang 12/29 1310 Jak nx, anthem, ID (Clark-ON)
- 3385 BRAZIL Educ Rural 1/4 0930 pops, jingles, IDs (Lamb-NY)
- 3385 NEW BRITAIN RENB 12/29 1200 PD ID, TC, mx, promo (Rausch) 1/8 1300* EG choral mx, ID, NA (Orr-GP)
- 3395.1 SUMATRA Tanjungkarang 12/26 2220 tlk, mx, ID (Clark-ON) 1/8 2203 Jak nx, ID, theme //3249.8 (Orr-GP)
- 3477.2v BOLIVIA Padilla 12/29 2324 ID, mx, rel (Clark-ON)
- 3900 CHINA Hulunbeier PBS 12/26 0919 mx, ID, pgm notes (Yamada)
- 3905 IRIAN JAYA Merauke 1/2 1200 IS (Berg-MA) 12/29 1339 NG mx from LP (Clark-ON)
- 3904.8 SUMATRA Banda Aceh 12/19 apparently inactive in lcl morning, no trace at typical *2300 (Clark-ON)
- 3908 N KOREA KCBS Chongjin 12/12 1531 KR mx, tlk (Compton)
- 3925 JAPAN R Tanpa 12/25 1232 JP tlk, ARO QRM (Grenier-NV)
- 3945 VATICAN VR 12/11 0601 rel abt St. Francis, ID, IS, into IT. Am looking for ltr from them confirming this new freq & not harmonic, etc (Serra-ITALY) It's new--sp. 12/16 FR to 0600, then EG, IT //6245. Assume this is SMG site; anyone know for sure? (Berg-MA) 12/18 *0327 IS, rel (Alex.) 1/7 0555 FR rel, ID, IS //6245 at 0600 EG (Orr-GP)
- 3964.9 FRANCE RFI 12/11 0447 FR nx, jingle, IS, TP "Le Journal" "Le cinemà française (Serra-ITALY) NASWA Journal? hih--sp
- 3975 ENGLAND BBC 12/11 0444 GM IS, IDs, TC, nx (Serra-ITALY)
- 3975 JAVA Surabaya 12/27 1324 Jak nx //4753, 9679 (Clark-ON)
- 3995t KALIMANTAN Pontianek 11/30 1038 orch mx, Koran, poss ID Indo vcls, ham QRM (Clar-NY)
- 4003 SUMATRA RRI Padang 12/7 0951 ID, pops (Compton-SINGAPORE) 12/10 2153 pops, SCI, nx, Koran (Yamada-JAPAN) 1/1 2255 Jak nx, this xmtr is shadow of former self (Clark-ON)
- 4419 PERU Frecuencia Lider 1/2 0317-0505 mx, poor (Field-MI) 12/11 0505* OA vcls, anmts, echo ID, NA (D'Angelo-PA)
- 4460 CHINA CPBS1 12/12 1545, CH tlks (Compton-SINGAPORE)
- 4471.9 BOLIVIA Movima 12/10 2357 ID, tlk, vcls (D'Angelo-PA)
- 4506 PERU Horizonte 12/29 0902 tlks, 0937 ID (Field-MI) 1/2 1051, ID, OA mx, best ever here (Klinck-NY)
- 4549.4p BOLIVIA R Tropico 12/20 1012 LA mx, tlk, prayer (Clar-NY)
- 4615 IRAQ Rep Iraq R 1/6 2330 AR pops, TP, ID, nx (Orr-GP)
- 4712.5 BOLIVIA Abaroa 1/7 1009 salsa, ID, ment Riberalta (Orr-GP)
- 4725 MYANMAR Vo Myanmar 12/5 1225 lcl mx, tlk lang (Klinck-NY) 12/5 1145 tlk, IS, mx, ment Myanmar, Myawadi (Clar-NY) 12/24 1249 Christian Xmas mx! (Clark-ON)
- 4746.7 PERU Huanta 2000 12/11 *1012 orch NA, ID, vcls (D'Angelo)
- 4753 SULAWESI RRI U-P 12/7 1002 Muslim mx, IN tlk (Compton) 12/26 1246 tlk, mx, ID, anmts (Davenport-TN) 12/13 1359 IS "Warta berita antar kabupaten dan kotamadya Sulawesi Selatan" (Yamada-JAPAN)
- 4753.8 BRAZIL Rdf Maranhao 12/10 0353 romantic mx, IDs (D'Angelo) 12/4 0307 lcl mx, anmts, IDs (Klinck-NY)
- 4759 PERU Tingo Maria 1/8 1050 canned ID, ads, TCs (Orr-GP)
- 4760t ANDAMAN AIR Port Blair 1/2 1142 EG tlk, mx (Field-MI) Could also be Imphal--sp. 12/31 1237 nx not //4860 (Clark) 1/14 1235 EG nx //4860, W annr, mx (Orr-VA)
- 4760 CHINA Yunnan PBS 1/2 1130 CH tlks, mx (Klinck-NY)
- 4760 LIBERIA ELWA 12/14 0640 EG rel, ID, nx (Clar-NY) 12/30 2105 bouncy rel request mx, gospel, ID (Lyon-MN) 11/10 1822 EG (Serra-ITALY)
- 4765 BRAZIL Integraçao 1/9 1044 ballads, IDs, greet (Orr-GP)
- 4765.8 SUMATRA Medan 12/29 2212 Koran, promo, mx (Clark-ON) 1/7 2250 pops, ID, SCI, nx //5256.4 (Orr-GP)

4770 ECUADOR Centinela del Sur 12/10 0138 sports pgm, ads, ment Loja (Davenport-TN) 1/1 0411 IDs, lcl mx (Klinck-NY)

4770 NIGERIA RN 12/23 2130 pops, ID, nx (Frodge-MI) 12/26 2128 EG Xmas play (Brandi NJ) 12/11 0430 mx sounded like Yellow Rose of Texas, annoying clunk every 2-4 sec. (Newbury)

4770 UNID 12/5 1210 Asian lang repetitive statements, semi-class mx, anmts, Vietnamese regional? (Clark ON)

4775 INDIA Guwahati 12/27 1148 SC mx, anmts (Clark-ON)

4775 SWAZILAND TWR 12/21 *1555 Tshwa IS, hymn, rel (Yamada)

4777 GABON RTV Gabonaise 12/24 2155 jazz, lcl vcIs, ID (Frodge)

4780v DOM REP Onda Musical 12/9 0101 ads, good nite (Davenport) 11/23 0145 SP mx, ID, fail (Newbury-NE)

4780.1t N KOREA Pyongyang 12/29 1205 KR nx per Clark's freq checks (Davenport-TN)

4784 MALI RTV Malienne 12/30 2120 FR pops, hilife, ID (Lyon-MN)

4784.9 AZERBAIJAN Baku 1/7 0456 Azeri tlk, flute, 0500 IDs (Orr-GP)

4735 UNID 12/25 1115 SP vcIs (Levison-PA)

4735.5 COLOMBIA Ecos del Combeima 12/9 0000 ads, ID (Davenport) 12/7 2351 IDs, lcl mx (Klinck-NY) 12/16 1125 ID, nx, ad (Lyon)

4738v S VIETNAM RTV Gia Lai 12/29 1143 instl, anmts (Clark-ON) 12/5 1158 hill tribe vcl, anmt to 1159* (Clark-ON)

4739 IRIAN JAYA Fak-Fak 12/29 1300 nx, anthem (Davenport-TN) 12/29 2125 pops, ID, nx (Clark-ON)

4790 INDIA AIR Shillong 12/29 1152 mx pgm (Field-MI) 12/24 1118 & 12/25 ment NE svc of AIR from Shillong, Hindi nx, then EG, military mx, SC singing (Berg-MA) 12/19 1348 Xmas mx, ID (Clark-ON) 1/7 1156 SC, anmts (Orr-GP)

4795 BRAZIL R Nova Difusora 1/8 0257* rel, addr, ID, b1rd (Orr)

4795 UKRAINE RM 12/20 2143 EG Jazz Show //7195 (Lamb-NY) 12/30 2220 nx, ID, rock mx (Lyon-MN)

4800 CHINA CPBS 12/14 0401 CH tlk, canned anmts (Newbury-NE) is that the right time?--sp 1/8 2305 pres nx CH (Orr-GP)

4800 GUATEMALA Buenas Nuevas 12/10 1140 C&W mx (Levison-PA) 12/6 0058 IDs, slogans, Xmas mx, South Seas mx! (Clar-NY)

4800 INDIA Hyderabad 12/27 1330 ID, nx, SC mx (Pitts-NE)

4800 LESOTHO RL 12/3 0353 Sesotho nx, cmtry, IDs (Klinck NY)

4801 PERU Onda Azul 1/8 1030 huayños, ID, TCs (Orr-GP)

4805 BRAZIL Rdt Amazonas 12/11 0945 ads, pops (Davenport TN) 1/5 2359 ID, jingles, rap promo, Happy B'day (Lamb-NY)

4810 PERU San Martin 1/3 0938 OA mx, 1Ds (Klinck-NY)

4810p SOUTH AFRICA R 2000 12/9 0205 wall to wall mx (Davenport TN)

4815 BURKINA FASO RTV Burkina 12/14 0652 FR balaton, ID (Clar)

4820 HONDURAS HRVC 12/10 0152 Revival in America (Davenport-TN) 12/30 0045 speech, rel chous, 1Ds (Jordan-PA)

4825t BRAZIL R Educ Braganca 12/10 0901 mx, ads, TC (Davenport-TN)

4825 GUATEMALA Mam 1/1 1200 IDs, Xmas mx & noche de paz (Robinson)

4825 UKRAINE RU 12/17 0208 lang tlks, ID (Field-MI) 12/12 0617 pol & econ pgm, ID (Serra-ITALY) 12/31 0500 UK tlk, pops (Peck) 12/15 0120 IDs, nx, feature (Clar-NY) 12/23 0400 much better than //7195 (McCarthy-GA) Tnx much!--sp.

4830 THAILAND RT 12/26 1305 class mx, IS, ID, into Cambod. (Clark)

4830 VENEZUELA Táchira 12/10 0146 promos, ID (Davenport-TN) 12/18 1037 LA mx, nx, ID, mx (Robertson-CA)

4835 AUSTRALIA VL8A 12/29 1300 ID, Sounds of Summer pgm (Kausch)

4835 GUATEMALA Tezulutlán 12/9 1155 promo, flutes (Davenport-TN) 1/8 1130 Kekchi IDs, marimbas, nx (Robinson-TN) 12/31 0102 IDs, anmts, marimbas (Jordan-PA) 1/8 1212 rel tlk (Grenier)

4835 MALI RTV Malienne 11/27 0614 FR nx (Serra-ITALY)

4836 COLOMBIA Buenaventura 12/20 0337 LA versions of carols, pops Caracol & station IDs, BBC LA nx (Lamb-NY) 12/11 0501* IDs, cumbias (Paszkievicz-WI) 12/19 0148 ID, Jingle Bells (Field)

4338.5 BRAZIL Bandeirantes 12/10 0921 tlk, 1D (Davenport-TN)

4340 MANCHURIA Heilongjiang PBS 12/26 0903 KR //7350 (Yamada)

4845 MALAYSIA R 6 12/7 0941 trad mx, Tamil tlk (Compton-SINGA.) 1/7 2154 Tamil vcIs, ad string (Orr-GP)

4845 MAURITANIA ORTH 11/25 2315 AR tlks (Newbury-NE)

4350 MONGOLIA RU 12/26 0850 MG tlk, TP, ID, drama (Yamada-JAPAN)

4355 MOZAMBIQUE RM 1/7 0346 pops, P'P IDs //3279.3 (Orr-GP)

4355 SUMATRA Palembang 12/7 1006 EG pgm, ID (Compton-SINGAPORE)

4860 INDIA AIR Delhi 12/29 1308* Hindi nx, poss NA (Davenport)
 4860 RUSSIA RMWS 12/17 2122 EG Culture & Arts, ID (Lamb-NY) 12/30
 2205 nx, ID, Asia & Pacific summary 1993 (Lyon-MN)
 4865 COLOMBIA LV del Cinaruco 12/10 0206 mx, ment Caracol (Daven.)
 12/31 0330 ID, TCS, promos, lively pops (Jordan-PA) 12/24
 0000 IDs, orch, holiday greets (Robinson-TN) 12/25 2320 TC,
 ID, Xmas greets, appeal to surrender prisoners, furniture
 factory burns (Bickus-VA) Nice details--sp.
 4870 BENIN ORTB 12/10 2240 Afr drums, EZL, ID, NA (Newbury-NE)
 4874.6 IRIAN JAYA Sorong 12/29 2128 mx, SCI, nx (Clark-ON) 1/8
 2135 pres lagu pops, weak w/het (Orr-GP)
 4875 BRAZIL R Roraima 12/10 0215 ID, folk mx (Davenport-TN)
 4875 CHINA Vo Jinling 12/12 1540 CH tlks (Compton-SINGAPORE)
 12/9 1210 lcl mx, tent. ID (Davenport-TN)
 4879.3 BANGLADESH RB 1/9 1212 flutes, vcels, poor mod (Orr-GP)
 4879.7 ECUADOR RN Espejo 12/9 0230 drama, ads (Davenport-TN)
 12/24 0046 IDs, drama "Fantasia" horse sfx (Klinck-NY)
 4881.6 PERU Nuevo Mundo 12/11 1028 ID, piano mx, nx (D'Angelo)
 4883p CHINA CRI Hohhot 1/8 2308 RS tkl, gone in 10 min. (Pasz)
 4885 COLOMBIA Ondas del Meta 12/11 0050 tkl, ID (Davenport-TN)
 4899.8t ECUADOR LV Saquisilí 1/14 1201 flutes, morn pgm, ID? (Orr-VA)
 4904.5 CHAD RNT 12/12 0430 instl, NA, ID, Afr mx (Newbury-NE)
 4905 CHINA CPBS 12/6 2315 tkl pgm, distorted (Davenport-TN)
 12/20 2235 EG lang lessons (Brandi-NJ)
 4909.8 ZAMBIA ZNBC 1/1 0423 kids choir, drums, IS (Lyon-MN)
 4910 INDIA Jaipur 12/16 1322 SC mx, ID, nx (Pitts-NE) 1/8
 1235 EG nx, Vividh Bharati ID, tkl (Orr-GP)
 4915 CHINA Guangxi 12/12 1550, CH tlks, EZL (Compton-SINGAPORE)
 4915 GHANA GBC 12/9 2330 tkl in lang (Davenport-TN) 12/17 0000
 EG/lang, ID, drums, tribal vcels (Jordan-PA) 1/3 0043 tkl in
 lang, choral mx, EG tkl abt agriculture (Peck-NY) 12/4 2305
 Afr mx, Xmas mx, ID, into FR (Newbury-NE)
 4920 ECUADOR R Quito 12/9 2341 ballads, promos, ID (Davenport-TN)
 12/19 0000 Xmas greet, mx, slogan, nxpaper ad (Bickus-VA)
 12/4 0344 nx, ads, IDs, lcl mx (Klinck-NY) 12/17 1219 EG
 vr in review, Michael Jackson //9660 (Brandi-NJ)
 4920 INDIA Madras 12/26 1230 5 TP, EG nx //4860 (Clark-ON)
 4925.6 BOLIVIA San Miguel 12/9 1001 ID, lcl mx (Klinck-NY)
 4925 SUMATRA Jambi 12/26 2210 Koran (Clark-ON) 1/14 1153
 lagu pops, anmts, SCI, nx (Orr-VA)
 4927 SUMATRA RRI Jambi 12/6 1104 Muslim prayers (Compton-SINGA.)
 4929.3t CHINA Honghe PBS 1/2 1144 CH mx/tkl (Johnson-MD)
 4935t PERU Tropical 12/29 0945 promos, nx, roosters, ID (Daven.)
 4940 COTE D'IVOIRE R Cote d'Ivoire 12/1 0510 FR tkl, mx //6015
 (Lawrence-NY)
 4940 TAJIKISTAN RM 12/20 0000 lang tkl, EG ID (Davenport-TN)
 4940t UKRAINE RU 12/4 1858 class mx, comedy, poss ID (Serra-ITALY)
 4940 UKRAINE VOA via Kiev 1/1 2123 UK feature, VOA fanfare.
 Fergie, can you confirm current sked? (Johnson-MD)
 4950 ECUADOR R Bahai 12/10 0930 Indian tkl, instls, tent
 (Davenport-TN) 12/17 0957 Quechua mx, IDs (Klinck-NY)
 12/23 0937 Quechua IDs, rel, Andean mx (Clar-NY)
 4950 SARAWAK Kuching 11/29 1245 pops, anmts (Newbury-NE)
 4955t PERU Cultural Amauta 12/10 0955 NA, tkl, OA mx (Davenport)
 4960 CHINA China R Intl 1/9 1536 CH tlks (Grenier-NV)
 4961 ECUADOR R Federación 12/9 1120 folk mx, promos (Davenport)
 12/24 1116 HC mx, rel tkl, ment El Niño (Lamb-NY)
 4969 PERU R Imagen 1/4 1054 anmts, IDs, Rumbos off (Johnson-MD)
 1/14 1045 fast huayños, TCS, IDs (Orr-VA)
 4970 SABAH Kota Kinabalu 12/7 0928 Malay pops (Compton-SINGAPORE)
 4975.9 COLOMBIA Ondas del Ortegaza 12/29 1003 rancheras, ID,
 ment Todelar, Colombia, promos (Davenport-TN)
 4976 UGANDA RU 12/27 2101* Afr. mx, anthem record skipped, s/off
 routine w/IDs (Lamb-NY) 12/10 2101* Peter Paul & Mary, ID
 anmts, orch NA. Also 12/11 0405 EG nx (D'Angelo-PA) 12/13
 2050 pops, rap, soul, ID, NA (Clar-NY) 1/7 2059* EG (Orr-GP)
 4980 VENEZUELA Ecos del Torbes 12/9 0246 SP version of White Xmas
 TC, ads, freq info (Davenport-TN) 1/8 1145 jingles (Grenier-NV)
 4990.9t SURINAM Apintie 12/20 0215 piano mx, anmts (Paszkiwicz-WI)
 5000 ARGENTINA LOL 1/1 2330 blowing away WWV, CW IDs (Clark-ON)

5003.7 RIO MUNI Batà 12/4 2006 Afr pops, 3 IDs (Serra-ITALY)
5005 NEPAL R Nepal 12/27 1243 nx, phone-in (Clark-ON) 1/7 1234
rel drama, SC, ID (Orr-GP)
5010 CHINA Guangxi PBS 12/24 1159 tlk mix w/AIR (Clark-ON)
5010 INDIA AIR Thiru'puram 12/5 1231 EG nx //4920 (Clark-ON)
5010 SINGAPORE SBC 12/29 2224 EZL, ID, nx, T40 mx (Clark-ON)
5015 TURKMEN Turkmen R 1/9 0112 instls, 0116 ID (Orr-GP)
5019 SOL ISL SIBC 12/31 1321 New Year msg, rel, phone-in (Clark)
5020 CHINA Jiangxi PBS 12/16 2231 CH tlks (Klinck-NY)
5021.1 TIBET Xizang PBS 1/8 1142 Tibetan tlk, instl, TP (Orr-GP)
5020 COLOMBIA Ecos del Atrato 12/19 0206 mx, IDs (Klinck-NY)
5025t BENIN Parakou 12/4 2020 Afr pops, tlk, chants (Serra-ITALY)
5025 CUBA R Rebelde 12/9 1140 cmtly, pgm notes (Davenport-TN) 1/8
1139 rapid pace tlk (Grenier-NV)
5030 BHUTAN BBS 12/30 1245 SC mx, tlk, best ever (Field-MI) now
back on 5025 per Ron Howard--sp. 12/31 1240 chants, no nx
today (Clark-ON)
5031.9t VIETNAM VoV 1/9 1200 Hmong vcls, noisy, tnx Clark (Orr-GP)
5034 CENT AFR REP RTV Centafricaine 12/1 0520 tlk, hilife mx, ID
(Lawrence-NY) 12/4 2145 FR mx/tlk, tent. (Kaminsky-NJ) 12/4
tent at 2043 folk mx, tlks, pops (Serra-ITALY) 12/19 2225
hilife mx, ID, Europops, IS, NA (Lyon-MN) 12/14 2230 folk
mx in FR, Afr drums (Newbury-NE)
5035 KAZAKHSTAN Alma Ata 11/20 1447 lang, ID, IS (Serra-ITALY)
5039.8 CHINA Fujian PBS 12/19 1014 instls, drama, theme mx from the
Dating Game, 1029 ID (Robertson-CA)
5040 ECUADOR LV del Upano 12/15 1122 Xmas mx //6000 (Field-MI)
5040 SUMATRA Pekanbaru 12/11 1527 pops, ID, nx (Yamada-JAPAN)
5043 ANGOLA EP Benguela 12/10 0524 Afr vcls, ID (D'Angelo-PA)
5047 TOGO RTV Togolaise 12/11 1721 FR/lang many ment Lomé, kids
tlk, ID, flute mx (Serra-ITALY) 1/5 2325 FR pop concert, ID
NA 0003 (Ducharme-MA)
5050 TANZANIA RT 12/30 2050 tlk, choir, ID, NA (Lyon-MN) 1/3
0340 pops, EG nx (Johnson-MD) 1/9 0400 EG nx, ID (Orr-GP)
5052 SINGAPORE SBC 12/31 2217 EZL //11940, this freq to close
soon, 5010 apparently already off (Clark-ON) 1/7 2202 EG (Orr)
5055 UNID vy weak carrier here 12/28 1250, possibly Nabire,
must be irreg (Clark-ON)
5061 ECUADOR RN Progreso 12/25 0133 Xmas mx (Field-MI)
5069p S VIETNAM RTV Kontum 12/29 1140 Asian mx, tlk (Clark-ON)
5075 COLOMBIA Caracol Bogotá 12/9 0655 tlk abt Orson Welles, ads
(Davenport-TN) 12/4 0539 IDs, jingles, TCs (Serra-ITALY) 12/3
0205 nx abt Escobar, phone in abt same (Newbury-NE)
5082 PERU R Mundo 12/25 1011 mx alt w/IDs, TCs (Field-MI) 12/10
2325* OA mx, 2312 ID, tlk, anmts (D'Angelo-PA) 1/7 2304
salsa, etc., horse sfx, ID (Orr-GP)
5090 CHINA CPBS 12/30 2250 long tlk, pops (Lyon-MN)
5097 PERU R Eco 1/2 1047 LA vcls, ID 1103 (D'Angelo-PA)
5125 CHINA CPBS 1/3 2149 CH flutes, TP, tlks (Ducharme-MA)
5132 PERU Vision 2000 12/17 2340 OA mx (Field-MI)
5144.4 CHINA CRI 12/18 1013 RS tlk by W (Field-MI)
5240t CHINA Vo Strait 1/9 1145 opera, TP, theme, tlk (Orr-GP)
5256.5 SUMATRA RRI Sibolga 12/14 1531 lcl mx, SCI, nx (Yamada)
12/29 2245 weak mx, Goonetilleke rpts may be higher power
xmtr (Clark-ON) pres 1/2 1318 W vcls, tlk (Paszkievicz-WI)
1/8 2252 AR sounding pops, SCI, nx (Orr-GP)
5260 KAZAKHSTAN Kazakh R 1/10 0242 ME mx, RS anmts, nx (Orr-VA)
5290 AS RUSSIA unid 12/14 2330 lang tlk, ID as Radio _____ 2
pop mx 0100 (Field-MI)
5407.7 CLAND Vo Great Natl Union 1/7 1221 Khmer tlks (Orr-GP)
5486.5 PERU Reina de la Selva 1/8 0137 mx, off at 0250 (Field-MI)
5598.2vt VIETNAM Lao Cai BS 1/5 1205 tlk, haunting vcls (Johnson-MD)
12/23 1241 hill tribe chants, tlk, growling xmtr (Clark-ON)
1/7 1147 vcls, W anncr, aero QRM (Orr-GP)
5700 PERU San Ignacio 1/7 0125 speech, OA mx, tent. (Field-MI)
12/11 0245 huayños IDs, TCs (D'Angelo-PA)
5882 VATICAN VR 12/31 2100 EG drama, Xmas mx (Frodge-MI)
5895nf CROATIA Croatian R 1/11 2218 CR nx, IDs, anthem (Lamb-NY)
5900 BELGIUM R Vlaanderen 1/12 0026 EG IS, ID, nx, mailbag (Lamb)
5900 ISRAEL Kol Israel 12/31 0450 AR tlks, pops //5915 (Peck-NY)



International Band Loggings

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

- 5915 SLOVAKIA RSI in EG *1930, ID, fqys, nx, lang lesson, g (Ducharme MA 12/10)
5925nf? FRANCE RFI in FR 0431, world nx, IDs, IS, fqys, f-g //6045, 7280 (Lamb NY 12/28)
5960 CANADA RCI in FR 0150, Xmas mx, ID, fqys, IS 0159*, exc (Robertson CA 12/5)
60148 TANZANIA RT Zanzibar in SH 2000*, 6 pips, ID, relay nx, mx (D'Angelo PA 12/11)
6015 CANADA R Austria Int relay in EG 0530, IS, ID, nx, polit & cultural nx, wx, tlc
re EEC (Jordan PA 12/21, McGuire MD 11/29)
6020 AUSTRALIA RA in EG 1222, tlc by 2 W re Aust colleges, //6080 (Grenier NV 1/9)
6025 UZBEKISTAN R Tashkent in EG *1200, NA, IS, ID, fqy, nx, cmntry, Uzbek mx, //9540
(Clar NY 12/11, Peck NY 12/27)
6025 NIGERIA RN Enugu in EG 2100, nx relay, //4990, QRM by 2115 (D'Angelo PA 12/11)
6030 CANADA CFVP Calgary in EG 0250, relay of MW outlet, pop mx, ads, ID, "Mood Music
Radio" (Robertson CA 12/25, Pitts NE 12/27) ED: Xmntl power only 100 watts!
6035nf? PHILIPPINES R Veritas Asia in CH 2226, relig mx, EG IDs (McCarthy GA 1/1)
6035 SRI LANKA TWR Puttalam in lang 1328, repetitive instrml IS of the hymn "Send the
Light", very weak sig but clear channel (Clark ONT 12/27)
6080 AUSTRALIA RA in EG 2010, ID, Intl Rpt, mx, //7260 (Rausch NJ, Brandi NJ 1/2)
6085 MALTA D Welle relay in SP 0200, IS, site ID in EG, f-g (Newbury NE 11/28)
6105nf? COSTA RICA R Universidad de Costa Rica in SP 0400*, jazz flutes, class mx, TC,
NA, ID (D'Angelo PA 12/23, Paszkiewicz WI)
6110 ANTIGUA BBC relay in EG 2112, bells IS, ID, "Caribbean Report" (Ducharme 12/13)
6120 CANADA R Japan relay in EG 1135, nx, seminar on JP women (Levison PA 12/11)
61299 LAOS Lao Nat R in lang 1220, cmntry, fanfare, 7 gongs, ID, nx (Clark 12/24)
6135 SWITZERLAND SRI in EG 0120, pgm on science & technology (McGuire MD 11/29)
6140 MOROCCO VOA relay in EG 0637-0700*, nx, mailbag, ID, IS, f (Rothar NJ 1/14)
6150nf? COLOMBIA Caracol Bogota in SP 0155, poss test, pronos, ID, nx, ad (Lamb NY 1/11)
6155 BOLIVIA R Fides in SP 1030, relig tlc, mx bridges, IDs (Klinck NY 1/2)
6160 CANADA CKZN Newfoundland in EG 2100, ID, marine wx, fisheries rpt (Rausch NJ)
61606 ARGENTINA R Marlarge in SP *1002, flute IS, ID, pgm sked, mx, nx (Berg MA 12/18)
6165 PHILIPPINES R Veritas Asia in CH 2100, crooner, ID in EG, QRM (Paszkiewicz WI)
6170 SRI LANKA D Welle relay in EG 1610, nx, ID, "Living in Germany" (Robertson CA)
6185 MEXICO R Educacion in SP 0335, tlks, ID, L AM mx, f-p (Jordan PA 12/21) in EG/SP
0045, Xmas messages, ID, QTH (Alexander PA) in SP 1135, Xmas greetings (Peck NY)
6190 PERU R Oriente in SP 2343, lively vcls, TC, ballads, ID (Paszkiewicz WI)
62505v EQUATORIAL GUINEA R Nac Malabo in SP 2100, childrens' choir, political tlc, Afro
drums, ID, Low audio (Clark ONT 12/29, McCarthy GA 12/24, Cleveley NY 12/18)
63293v VIETNAM RTV Son La in VT 1253, hill tribe vcls/chants, f-g (Clark ONT 12/26)
ED: Loggings like this show what can be accomplished with 400' beverages!
65601 IRAQ Rep of Iraq R(p) in AR 1309, AR chants, ME mx, QRM Pyongyang (Clark 12/24)
6576 NO KOREA R Pyongyang in SP 0942, mx, ID, fqys, NA, IS 0947* (Robertson CA 12/19)
66289v VIETNAM Bac Thai BCS in VT 1325, lcl vcls, distorted voice anmts (Clark 12/29)
6790 CHINA CPBS Beijing in CH 1125, tlc, CH opera/folk mx, p (Peck NY 12/27)
68156 PERU R Universo in SP 0330*, tlc, ID, echo anmts, mx, NA (Johnson MD 1/3)
7105nf MOLDOVA R Dniester Int in EG *0330-0400*, IS, ID, press reviews, QTH, RMWS
pgming (Johnson MD, Jordan PA, Rausch NJ) ED: See Jan LN for sked details (p.24)
7115nf? SLOVAKIA AWR in EG 0305, testing, sked, mail QTH Germany, relig mx (Johnson MD)
7125 CYPRUS CBCC in GR 2215-2245*, IS, ID, nx, mx (Klinck NY 12/25, Lyon MN 12/31)
7125nf CANADA R Japan relay in EG/JP *1025, Xmas tlc, site ID, pops (Robertson 12/10)
7125 RUSSIA Golos Rossii in RS *0200-0600*, nx, interviews, US jazz/big band mx,
class mx, clear IDs, 5 note IS & bells, concert (Jordan PA 1/6)
7125 GUINEA RTVG in FR 2120, ID, tlks, Afro mx (Clark ONT, Klinck NY, Newbury NE)
7150 LITHUANIA R Vilnius in EG 0000, econ & polit nx, ID (Jordan PA 1/5, McGuire MD)
7170 CHINA Xizang PBS Lhasa in CH 1204, tlks, pop mx, ID?, f (Lyon MN 12/31)
7180nf? SLOVAKIA AWR in EG *0659-0759*, test, IS, ID, relig features, f-g (Lamb NY 1/9)
7195 UKRAINE RUI in UK 1732, ments of Itar/TASS, BBC, Ukraine IS, ID, into GM 1800
(Lamb NY 1/2) in EG 2245, tlc on trade unions in Ukraine (McGuire MD 11/30)
7195 ROMANIA RRI in EG *2100, nx, //9690, f (Rhyne NC 12/27)
7200 SUDAN Rep Sudan R in AR 0300, 6 pips 0315, nx, cmntry, freq ment Sudan, tribal
singing/chanting, Omdurman ID (Lyon MN 12/31, Cleveley NY 12/21)

7225 RWANDA D Welle relay in EG 0440, pgm on environmental issues (Newbury NE 12/11)

7240 AUSTRALIA RA Brandon(10 kw) in EG 1329, flute mx, ID, //9580, f (Lamb NY 12/25)

7255 NIGERIA Von in EG 0502, anmcs, "African Safari", Afr mx, exc (Newbury 12/11)

7270rf SLOVAKIA AMR Voice of Hope test xmsn w/multi-lang IDs *0100-0256*, IS, QTH, sked 250 kw xmtr, lite & relig mx, ancd start of reg pgming in few days, also hrd on other fqys at diff times (Berg MA 1/1, Rausch NJ 1/1, Alexander PA 1/1)

7280 BOTSWANA VOA relay in EG 0258, IS, ID, "Daybreak Africa" (Cleveland NY 12/21)

7315 RUSSIA D Welle relay Samara in GM 1420, tlks, ID, IS, fqys, sked (Lyon MN 12/26)

7325 UZBEKISTAN BBC relay in VT 1445, drama, tlk, 5 pips, ID, nx (Lyon MN 12/26)

7365 ALASKA KNLS in EG 0800, mail, Xmas mx, ID, promo, Bible reading (Lyon MN 12/21, (Robertson CA 12/15, McCarthy GA 12/12)

7375 COSTA RICA RFPI in EG 0330, pgm on nutrition, ID, QTH, f (McGuire MD 11/29)

7430 GREECE RS Makedonias in GK 2038, IDs, phone tlks, GK mx, f-g (Clar NY 12/22)

7455nf BULGARIA RB in EG 0000, ethnic mx, cmntry on mx by the musicians (Levison PA)

7465 ISRAEL Kol Israel in EG 1807, into FR pgm, //15640 (Serra ITALY)

9165 SUDAN R Omdurman in EG 1805, mx, nx, ID, into AR 1900 (Brandi NJ, Serra ITALY) in AR 2025, tlk, drama, //7200 (Peck NY 1/2) AR chant/prayers 0300 (Cleveland NY)

928C TAIWAN V of Asia in CH 0935, CH pop mx, ID, Elton John rx, f-g (Lamb NY 12/27)

9375nf COSTA RICA RFPI in EG 0606, ID, "Sounds of the New Ark", //7375 (Lamb NY 12/16) in EG/FR Creole 1155, mail, ID, req rpts, QTH, into FR 1200 (Jordan PA 12/19)

940Cnf PHILIPPINES (t) FEBC(p) in lang? 2220-0000*, relig pgming, s/off w/quick EG ID & poss FEBC IS, pgm details too weak to confirm (Alexander PA 1/1, Jordan 1/3)

942E GREECE VOG in EG 0730-0751*, GK mx, nx in EG, //11645, 15650 (Alexander PA 1/1)

943E ISRAEL Kol Israel in EG 0505, polit nx, tlk re PLO, interview (McGuire MD)

944E TURKEY VOT in EG *2300, nx, feature, operatic mx, f-p (Jordan PA 12/18)

950*9 PERU R Tacna in SP 1034, TCS, campo mx, ID, bad splatter QRM (Johnson MD 1/3)

9510 CUBA RHC in EG 0200-0434*, weak sig & xmtr breakup, //6010 (Alexander PA 12/5) in EG/SP 0649, "Colonial Palace Restoration", ID, into SP 0700 (Pappas SD 12/12)

9510 UZBEKISTAN R Tashkent in RS 1229*, mx, ID in EG, g, //17745 (Brandi NJ 1/6)

9535 PORTUGAL D Welle relay in EG 0310, update on Bosnian peace tlks (McGuire MD)

9535 JAPAN NHK Tokyo in EG 1415, "Japan Travelog" covers shrines (Grenier NV 1/1)

9535 SRI LANKA R Japan relay in Bengali 1525, mx box, IS, ID in EG (Jordan PA 12/19)

95349v ANGOLA R Mac in PT 0500, drums, Afr mx, clear ID, chorus (Newbury NE 11/28)

9540nf SPAIN REE in EG 0131, Xmas pgm, ID, cmntry on Basques (Robertson CA, McGuire MD)

9540 UZBEKISTAN R Tashkent in EG/lang 1210, tlks re PLO-Israel, lively ME mx, IDs, skeds, into lang 1230 (Jordan PA 12/22, Peck NY 12/27)

9555nf SAUDI ARABIA BSKSA in AR 1945, prayers, ID, region nx, //9870 (Jordan PA 12/17)

9560 ASCENSTON IS BBC relay in EG 2220, "Pop Words", drama, ID, g (Rothar NJ 1/8)

9565 SEYCHELLES FEBA in FR *1830, IS, ID "Ici Radio FEBA" (Alexander PA 12/5)

9575 SPANISH MOROCCO R Medi Un in FR/AR 2230, rock mx, ID 2259, into AR nx pgm 2300 (D'Angelo PA 12/11) in AR 2331, AR vocals/instrmls, pips, ID (Jordan PA 12/30)

9580 GABON Africa #1 in FR 2245, mx mixture: contem, African, jazz (Newbury NE 12/14)

9585 GREECE VOA relay Kavalla in RS *2000, nx, feature on World Bank (Jordan 12/16)

9605 MADAGASCAR R Nederland relay in EG 1854, "Sounds Interesting" ID (Rothar NJ 1/8)

9605 UNITED ARAB EMIRATES Abu Dhabi in EG *2200-0000*, "Big Ben" chimes, NA, ID, sked Koran reading, "Capital Radio", nx, Xmas mx (Jordan PA 12/24, Lane ONT 12/7)

9610 TAIWAN BCC Taipei in CH 1021, nx, New Years celeb, IDs, remotes (Lamb NY 1/1)

961236 INDONESIA RRI Jayapura in IN 1410, Qu'ran chants, f-g (Clark ONT 12/29)

9625 CANADA CBC North Quebec Svce in EG 1407, Queen's Xmas message, ID (Lamb 12/25)

9655 AUSTRIA RAI in EG 0130, min of silence for letter bomb victims (Newbury NE 12/8)

9675nf PAPUA NEW GUINEA NBC Pt Moresby in EG 1200-1401*, class mx, ID, TC, 6 pips, nx, fqys (Clark ONT 12/19, Jordan PA 1/1, D'Angelo PA 12/11, Brandi NJ 1/4)

9675 FRENCH GUIANA R Japan relay in JP 0845, vocal/pop mx, nx, ID (Lyon MN 12/21)

9675 INDIA AIR in HD/EG 1140*, nx, into EG ID/nx 1135, g/exc (Ducharme MA 12/14)

967994 INDONESIA RRI Jakarta in IN 2245, morning aerobics, piano mx, rock, "Love Ambon" IS, QRM from VOA and R Free Europe at times (Clark ONT 12/29, Peck NY 12/27)

9690 ROMANIA RRI in EG 1950, pgm on amateur radio, co-chan QRM (Rhyne NC 12/27)

9690 ARGENTINA RAE in SP *0000, IS, ID in EG/langs, into SP 0009 (Ducharme MA 12/14)

9695 VATICAN STATE VR in Amharic 0420, tlk, pentatonic melody, IS (Peck NY 12/30)

9700 BULGARIA RB in EG 2100, fqy, ID, nx, cmntry, DX pgm (Anderson MI, Newbury NE)

9720 SRI LANKA SLBC in EG 1510, pop mx, pips 1515, ID, tlk, f (D'Angelo PA 12/10)

97202 ANGOLA RN de Angola in PT 0500, lcl mx, wipe out by RN IS 0527 (McCarthy GA)

9725nf ITALY RAI in EG 0058, bell IS, ID, fqys, nx, pops, //6005 (Lamb NY 12/15)

9725 PARAGUAY RN de Paraguay in Guarani 0010, folk mx, IDs, futbol w/remote rpts, tlk by M&W, harp and man singing (Peck NY 12/31, Frodge MI 12/20)

9746 SAUDI ARABIA RB in AR 1350-2030, AR mx, chants, Koran, tlks, ID, orch mx, TP, ID, nx (Clar NY 12/1, Johnson MD 12/30, Pitts NE 12/25, McCarthy GA 12/22, D'Angelo PA)

9755 CANADA RCI to Canadian Peacekeeping Forces in Haiti in EG/FR *0300-0400*, world nx, sports, wx, interviews, Xmas message segment, into FR 0330 (Jordan PA 12/28)

9760 ALBANIA R Tirana in AL 0320, folk mx, tlk by W, clarinet sel, ID (Peck NY 12/28)

9780 YEMEN Rep Yemen R in EG 1993-2137, long tlk, fqy, ID, mail, into AR 2137, Bumper mx (Lyon MN 12/30, Frodge MI 1/2) in AR 1710, fast reading-Koran? (Newbury NE)

9790 UZBEKISTAN R Tashkent in AR 1735, AR mx, nx briefs w/bars of AR mx (Newbury NE)

9830 JORDAN R Jordan in AR 1910, long tlk, AR vocals, recitation, ID? (Lyon MN 12/30)

9835 HUNGARY R Budapest in HG 1945, gypsy mx, tlk (Peck NY 1/2) in EG 0350, DX pgm, ID, IS at 0400*, f (Cleveland NY 12/21)

9895 MADAGASCAR R Nederlands relay in EG 1552, interviews on tourism (Grenier NV 1/9)

9910 INDIA AIR Aligarh in EG 2151, mx, anmts, f-p, 11620 (Rhyne NC 1/1)

9910 INDIA AIR Bangalore in lang 1435, tlk, IN film mx, not //11620 (Peck NY 12/25)

9930nf HAWAII KWHR in EG 0856-1549, inspirational tlk/mx, IDs incl xmtr site, skeds, So Bend mail QTH (Rausch NJ 12/21, Lamb 12/25, McCarthy GA 12/24, Grenier NV 1/9)

9950 EGYPT R Cairo in ALB *1700-1800*, ID, nx?, prayer, skit, AR mx (Jordan 12/16)

9955nf USA WRMJ R Miami Int in EG/SP 2110, still testing w/test tones, anmts, ID, QTH Fax #, req rpts, fqy (Anderson MI 1/9, Alexander PA 12/4)

9990nf? EGYPT R Cairo in IT 1809, ME mx, nx, ID, poor audio (Jordan 12/16, Serra 12/4)

10059 VIETNAM VoV in VT 1205, nx, instrm bridge, ID, Asian mx (Jordan PA 1/4)

108485nf? AUSTRALIA Aust Armed Forces R at NW Cape, W Aust in EG 1609, YL DJ playing rock, nx, IDs, humor bit, f-p (D'Angelo PA 12/10)

11402usb ICELAND Reykjavik in IC 2300, mx, bells, nx by M&W, interview, f (Lyon MN 12/19)

11430nf? CANARY IS RNE R Uno relay in SP 1850-2200+, tlk, pop & Xmas mx, pipes, ID on hr, Stn can't seem to decide whether to be on 14880 or 11430usb. Hrd 11/26 on 11430, 12/11 on 14880, and back on 11430 on 12/24 & 12/31 (Alexander PA)

11610nf? SLOVAKIA AMR in EG/FR/IT 1700, "Voice of Hope" ID, test xmsn, site info, lite mx req rpts, f (Ducharme MA 1/2)

11620 INDIA AIR Bangalore in EG 1755, tlk, lcl mx, ID, nx, p (Rothar NJ 1/10) in HD 1418, tlk, ID, film mx, occasional tape problems, g (Peck NY 12/25)

11650 NO MARIANAS KFBS Saipan in RS 1400*, FEBC w/site ID, tlk, mx, IS (Ducharme 1/3)

11660nf AUSTRALIA RA in EG 1519, pops, ID, promos, nx, //9580 (Lamb NY 12/26) in EG 1815 interview, TC, nx, 11660 off air 1900, cont on 11880, f (Jordan PA 12/29)

11695 AUSTRALIA RA in EG 1500, ID, nx, "Asia Focus", g-exc (Ducharme MA 1/3)

11700 NO KOREA R Pyongyang in EG 2300, cmntry, choral mx, ID (Rhyne NC, Jordan PA)

11705 JAPAN R Canada relay Tokyo in EG 2218, folk mx/carols, ID, IS, f (Lamb 12/19)

11730 SEYCHELLES BBC relay in VT/EG 0302, E Afr nx, ID, IS, rpts from correspondents, Mideast mx, interviews/political tlks in EG, f (Lyon MN 1/1, Cleveland NY 12/21)

11740 RWANDA D Welle relay in EG 1917, "Africa Highlight", ID, //9665 (Pappas SD 12/11)

11765 SRI LANKA D Welle relay in GM *2000, mx pgm, IS, TC, ID, nx (Robertson CA 12/28)

11780 CYPRUS BBC relay in EG 0702-0730*, "Newsdesk", IDs, sports, fqys (Lamb NY 12/31)

11780nf? SAUDI ARABIA BSKA in AR 1728-1801*, AR mx, ID, fqys, NA, ID for Call of Islam Svce, time pips at 1800 (Lamb NY 12/31, Pappas SD 12/11)

11785nf COLOMBIA Radif Mac in SP 2020, IDs, LA mx, fuzzy audio & QRM (Alexander PA 12/18)

11790 IRAN VOIRI Teheran in EG 1130, ID, fqys, into Koran recital (Ducharme MA 12/16)

11790 UNITED ARAB EMIRATES Abu Dhabi in AR 2030, chants, prayer, ID (Cleveland 12/22)

11835 SRI LANKA SLBC in EG 1100-1131*, ID, 30 min of ezl mx, fqys (Ducharme MA 12/15)

11870 COSTA RICA TIAMR in SP 0232, Bible tlk, drama, SFX addr San Jose (Lamb NY 12/21)

11880 AUSTRALIA RA in EG 1657, ID, fqys, nx re fires in Australia (Grenier NV 1/8)

11915nf? JAPAN RJ Tokyo? in EG 1703, world nx, media roundup, DX pgm, //9535 (Grenier 1/9)

11945 HONGKONG BBC relay in EG 2325, ID, "Newsdesk", rock mx (Lamb NY, Newbury NE)

11950 KAZAKHSTAN Kazakh R in RS/K2(p) *2354, IS, ID, NA, nx, class mx, f-g (Lamb 1/9)

11975 FRANCE RFI in EG 1600, nx, Mandella's speech in S Afr, ID (Newbury NE 12/10)

11995 PHILIPPINES FEBC in EG 1545-1600*, relig pgm, ID, fqys, f (Ducharme MA 12/10)

12075 RUSSIA R Alef in RS *1700, IS horn mx, IDs, sked- Sun, Tu, Th (Johnson MD 12/30)

12085 SYRIA R Damascus in FR/EG *1900, AR recitations, ID?, ME nx in FR, exotic ME mx, into EG segement 2005, prayers, repeat of FR bcst?, vp (Jordan PA 12/27)

12160nf? USA WWCN Nashville in EG 2309, "Worldwide Country" C&W pgm, QRM (Frodge MI 12/24)

13625nf HAWAII KWHR in EG 1823-1958*, relig tlk/mx, IDs, QTH, Xmas mx, QRM Kuwait 13620 (Alexander 12/24, Frodge 12/30, Grenier 12/24, Paszkiewicz) See 9930 above.

13635 SWITZERLAND SRI in EG 1720, "Swiss Shortwave Merry-Go-Round" (Grenier NV 1/8)

13710 BOTSWANA VOA relay in EG 2125, "New Horizons", f (Bickus VA 12/19)

15090 VATICAN STATE VR in EG *1540, cheery ID, nx, cmntry, f (Jordan PA 12/12)

15110 MALI China R Int relay in Cantonese 1700, "East is Red" IS, ID, tlk, nice Tatar & CH folk mx (Peck NY 1/1) in EG 2040, mail, ID, agricul tlk (Bickus VA 12/12)

15115nf NEW ZEALAND RNZI in EG 0433, mailbag, Art Cushen rpts (Grenier NV 12/20)

15130 NO KOREA R Pyongyang in EG 0002, NA, ID, nx re US protests, f (Lamb NY 12/15)

15165 CUBA RHC in EG 2145, Europe svce, "From Havana", Lennon spec'l (Bickus VA 12/19)
 15235 LIBYA R Jamahiriya in AR 0240, men's chorus, band/folk mx, //15435 (Lyon MN 1/1)
 15240nf SO AFRICA Channel Africa in EG 1600, Afr mx, ID, nx of Afr nations, civil rights abuses in S Africa (Pappas SD 12/10, Lyon MN 12/30, Klinck NY 12/31)
 1524J SWEDEN RS in EG 1327, IS, ID, promo, nx, econ cmntry, exc (Lyon MN 12/30)
 1526J ASCENSION IS BBC relay in EG 0315, nx, cmntry, sports interview (Cleveland NY 12/21)
 15260 IRAN VOIRI In GM 1813, ezl mx/jazz, tlks re Iran, fqys, IS, ID, QTH (Lamb 12/31)
 15270 ECUADOR HCJB Quito in EG, detailed rpt on Escobar & drug enforc't (Newbury 12/3)
 15290 PHILIPPINES VOA relay in EG 2305, "Newsline", "VOA Mon. Morning" (Lamb NY 12/19)
 15340 RWANDA R Rwanda in FR 1800, IS, nx, ID, pop mx (Lyon MN 1/1, Cleveland NY 12/22)
 15345 ARGENTINA RAE in SP 0148, continuous mx, tlks, ID, f (Levison PA 12/12)
 15345 TAIWAN VOFC Taipei in EG 0205, nx re trade, wx, ID, "Kaleidoscope" (Lamb 12/28)
 15345 MOROCCO RTV Marocaine in AR 1830, nx w/string mx, AR vocals, pips, ID (Lyon 1/1)
 15350 LUXEMBOURG RL in GM 1705-1930, US oldies, nx on hr, mostly pop rx (Jordan 12/30)
 15370 JAPAN BBC relay Tokyo in EG 2320, classical mx, //5975 Antigua (Lamb NY 12/19)
 15390 ASCENSION IS BBC relay in EG/SP 2356, EG lesson, ID, Big Ben IS, nx (Lamb 12/17)
 15400 ASCENSION IS BBC relay in EG 1835, nx on African unrest, mail (Bickus VA 12/3)
 15400 FINLAND RF in EG 1451, interview w/conservative pres hopeful, //17740 (Lane ONT)
 15410 MOROCCO VOA relay in EG 2100, nx, cmntry, ID (Cleveland NY 12/22, Newbury NE)
 15520J BANGLADESH RB H/S in Bangla 1357, chants, armt, vocal, //4880 (Clark ONT 12/29)
 15545nf USA KJES Lord's Ranch, NM in EG 2028-2101*, kids chanting, ID (Brandi NJ 12/23)
 15575 SO KOREA RK in SP/KR 0245, Kayagum mx, IS, pips, tlc in KR 0300 (Peck NY 12/30)
 15770usb ICELAND Reykjavik in IC 1410, Xmas mx, ID, //13855 (Peck 12/25, Ducharme 12/18)
 15815nf? USA WINB Red Lion, PA in EG 2112, still hrd here despite news sked annoc move to 15715 afternoons & 11950 eves?? Keep hunting, it seems (Johnson MD 1/1)
 17500 TUNISIA RTV Tunisienne in AR 1340, AR vocals, tlks, ID, TC, chants (Lyon 12/31)
 17510nf HAWAII KWHI in EG 2200-0000*, sermon, ad for cassette, relig mx, QTH, ID, sked (Frodge MI 12/26, Brandi NJ 12/28, Jordan PA 12/30) ED: See note at 9930 above
 17550 BELGIUM RVI in EG 1415, nx, tlc on European acceptance of NAFTA (Newbury NE)
 17555nf HAWAII KWHI in EG 0001, cont Christian mx, ID, relig tlks, QTH, countdown on top Gospel Music of '93 (Lamb NY 1/5, D'Angelo PA 12/25, Grenier NV 1/1)
 17590nf? FINLAND YLE in EG 1440, "Capital Coffeebreak", interview, g (Rothar NJ 1/8)
 17595 MOROCCO RTV Marocaine in EG 1406, US 70's pop mx, IDs, nx (Rothar 12/26)
 17715 ANTIGUA D Welle relay in GM 1550, Yiddish mx, tlc, ID, IS, g (Peck NY 1/2)
 17740 FINLAND RF in EG 1430, IS, ID, nx, disposal of Finnish nuke waste (Newbury NE)
 17745 ALGERIA RTV Algerienne in EG 1500, ID, lite mx, nx, //15205, 17745, this fqy should be clear on M-F (Alexander 12/5) in FR 1635, peppy Afr mx (Newbury NE)
 17790 SINGAPORE BBC relay in EG 0142, "Health Matters" re asthma, ID, nx (Lamb 12/28)
 17820 PHILIPPINES VOA relay in EG 0006, ID, "Newsline", //17735, f (Lamb 1/8)
 21455usb ECUADOR HCJB Quito in EG 1400, Europe svce, ID, fqy, gospel (Anderson MI 1/9)
 21540nf? RWANDA D Welle relay in GM 1450, Strauss waltzes, ID, nx, feature (Lyon MN 1/1)
 21740 AUSTRALIA RA in EG *2130, tlc on "Big Bang Theory", world nx, ads, billboard, call-in show, "Network Asia" (Jordan PA 12/16, Bickus VA 12/19)

CLANDESTINE STATIONS

7020 V of the Broad Masses-Eritrea in AR/Amharic 0420, tlc, folk mx (Peck NY 12/28)
 7290 A Voz da Resistencia-do Galo Negro-Angola in PT 1945-2019*, Afr hi-life mx, ID 1958, NA at s/off, f-p w/Ham ORM (Alexander PA 12/11)
 7340 LV del Cid-Guatemala in SP 0030-0230, tlks, interview, patriotic mx, fanfare intros, LA pop mx, f (Jordan PA 12/29)
 93497 V of Human Rights & Freedom of Iran-Egypt in Persian *0600, patriotic mx, many refs to Iran & Iraq, multi-lang ID incl EG, NA at s/on, //114705, intermittent jamming (Jordan PA 1/2, Alexander PA 12/19, Klinck NY 12/23)
 9942 LV del Cid-Guatemala in SP 0255, tlks, folk mx, ID, g (Cleveland NY 12/21)
 116501 V of Human Rights & Freedom of Iran-Egypt in Persian *1546, IS, multi-lang ID sequence incl EG, tlc in lang, lcl mx, p (Alexander PA 1/2)
 13670 R of the Rep of Iraq-site? in AR 1810-1930, tlks, prayers, patriotic mx, low-ke polemics, bomb burst sound effects, pips 1900, ID, nx? (Jordan PA 12/21)
 15050 R Patria Libre-Colombia in SP 2150, tlc, IDs, slogans, anthem? (Clar NY 12/20)

English Schedules

Tom Sundstrom

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GEnie T.SUNDSTROM



Prepared 1/26/94 at 5:18 PM.

This month, thanks to Dan Ferguson (VOA), Bob German (George Jacobs & Assoc.), Joe Hanlon (PA), Joe Hill (WHRI-KWIIR), Adam Lock (WWCR), Hans Johnson (MD), Jon Klinedinst (PA), Jonathan Marks (R Netherlands), Richard McVicar (HCJB), Richard Measham (WBI-BBCM), Adrian Sainsbury (RNZI), and Andy Sennitt (WRTH).

Notes

Estonia: I found this message on rec.radio.shortwave on January 26 from Jorma Mantyla of the University of Tampere, Finland: "I just phoned the Finnish Department of Estonian Radio. Mrs. Mari Maasik read me the following schedule for their external service confirming that Estonia really is back on SW:

UTC	FREQUENCIES	LANGUAGES
1600-1630	5925 kHz, 103,5 MHz/FM	Finnish, German, English
2030-2130	5925 kHz, 103,5 MHz/FM	German, English, Swedish

"This schedule has been valid since 1.1.1994 while 5925 kHz has been used since last week only.

"Mari Maasik also told that there are plans to re-open the 500 kW transmitter on 1035 kHz. This transmitter will be used for domestic broadcasts for the Russian minority in Estonia and for the external service during times mentioned above. At this moment 1035 kHz is, however, silent because of economical reasons."

In a later message, Jorge says the 5925 sender in fact has been testing and not heard in regular operation. Here on the east coast, we should be able to hear at least the later release. The frequency bears watching.

Greece: At 00 UT, the Voice of Greece has dropped 11645 in favor of new 5970, effective last January 20.

Lithuania: In late January I've seen conflicting information from BBCM about the R Vilnius NAm service at 00 UT on 7150. The English language broadcast may have shifted to a Sa-Su only release, dropping the Mo-Fr service. The English to Europe remains at 7 days a week, but the 9675 frequency is unconfirmed.

New Zealand: The on-air announcements suggested that RNZI's "Mailbox" show was to end January 24. Although Tony King is gone from RNZI's "Mailbox" program, the show continues after all .. with a new host. Check LN for full details.

USA: In the November column, we reported that Brother R.G. Stair, Scott Becker and Alan Weiner would be putting a shipboard station on the air. The MV Fury moved from Boston to Charleston, SC, for installation of the transmitters, and then it was to sail to Belize to commence operations. On January 19 US marshals and FCC personnel raided the ship. The charge? Tests of the transmitters were done without a license, and thus the operation is in violation of FCC rules. Adam Lock tells me that Becker also was transmitting on the HF bands when in fact he has a no-code Technician license. Transmitters were removed on the 20th and it appears this project is at an end even if Stair prevails in court. Brother Stair says "God will Prevail." Listen to Stair, World of Radio and Spectrum for the continuing gory details.

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SCHEDULES BY SUBSTRON

START END	COUNTRY	STATION	FREQUENCIES								TARGET AREA	NOTES	LAST Update		
0000															
0027	Czech	R Prague	7345	5930							NAm		01/16/94		
0030	Lithuania	R Vilnius	7150								NA/Eu	Tu-Sa	12/31/93		
0200	Philippines	FEBC	15450								seAs/India		01/26/94		
0100	Russia	R Moscow Int'l	17610	15425	12050	11675	10344U				World Service	> 10 MHz	12/30/93		
0100	Russia	R Moscow Int'l	9885	9620	9480	7295	7210	7165			World Service	< 10 MHz	12/30/93		
1100	USA	WINB	11950								Mexico		12/30/93		
0030															
0100	Sweden	R Sweden	9850	6065							LAm		01/25/94		
0100															
0127	Czech	R Prague	7345								NAm		01/16/94		
0150	Germany	R Deutsche Welle	9700	9670	9565	6145	6120	6085	6040		NAm		01/01/94		
0120	Italy	RAI	11800	7275							NAm		01/12/94		
0200	Russia	R Moscow Int'l	17570	12050	11675	9695	9620	7295	7210	7180	7165	5940	obs limited by low M	12/30/93	
0200	Slovakia	AWR Eu	7270								India		01/04/94		
0130															
0140	Greece	V of Greece	9420	9380	5970						NAm	News/Eng	01/19/94		
0200															
0250	Germany	R Deutsche Welle	11865	9615	7355	7285	7265	6130	6035	1548			01/01/94		
0230	Philippines	FEBC	15450								sAs		01/26/94		
0300	Russia	R Moscow Int'l	17655	17570	15425	11675	9695	7295	7180	7165	7130	5940	World Service	obs limited by low M	12/30/93
0230															
0300	Sweden	R Sweden	9850	6195							NAm		01/05/94		
0300															
0327	Czech	R Prague	7345	5930							NAm		01/16/94		
0400	Russia	R Moscow Int'l	17655	17570	15425	12050	11675	9675			World Service	> 9 MHz jobs limited	01/04/94		
0400	Russia	R Moscow Int'l	7295	7180	7165	7130	5940				World Service	< 9 MHz jobs limited	01/04/94		
0500	South Africa	Channel Africa	9585	5960							e&cAl/sAl		01/25/94		
0330															
0357	Czech	R Prague	9440	7345	5930						NAm		01/16/94		
0400	Sweden	R Sweden	9850	6195							NAm		01/05/94		
0340															
0350	Greece	V of Greece	9420	9380	5970						NAm	News/Eng ex Su	01/19/94		
0400															
0500	Russia	R Moscow Int'l	21585								World Service	13m R Aum 0430-05	12/30/93		
0500	Russia	R Moscow Int'l	17655	17610	17590	17570					World Service	17m R Aum 0430-05	12/30/93		
0500	Russia	R Moscow Int'l	15385	15375	15350	15245					World Service	19m R Aum 0430-05	12/29/93		
0500	Russia	R Moscow Int'l	11765								World Service	25m R Aum 0430-05	12/29/93		
0500	Russia	R Moscow Int'l	9865	9665	9580	9480					World Service	31m R Aum 0430-05	12/29/93		
0500	Russia	R Moscow Int'l	7295	7180	7165	7130	7105				World Service	41m R Aum 0430-05	12/30/93		
0500	Russia	R Moscow Int'l	5940								World Service	49m R Aum 0430-05	12/29/93		
0500	Slovakia	AWR Eu	7455								Al		01/04/94		
0500	Slovakia	AWR Eu	9465								Algh/Pakis		01/04/94		
0500															
0600	Russia	R Moscow Int'l	17655	17610	17590	17570					World Service	17m	12/30/93		
0600	Russia	R Moscow Int'l	11765								World Service	25m	12/30/93		

SCHEDULES BY SUBSTRON

START	END	COUNTRY	STATION	FREQUENCIES								TARGET AREA	NOTES	LAST Update	
0500															
0600		Russia	R Moscow Int'l	9890								World Service	31m	12/30/93	
0600		Russia	R Moscow Int'l	7330	7180	7165	7130					World Service	41m	12/30/93	
0600		Russia	R Moscow Int'l	5940								World Service	49m	12/30/93	
0600															
0650		Germany	R Deutsche Welle	21705	17820	15185	13790	11765	9765	5960		wAf		01/01/94	
0700		Russia	R Moscow Int'l	11765	7330	7180	7165	5940				World Service	obs limited by low M	01/04/94	
0700		Slovakia	AWR Eu	13715								Af		01/04/94	
0630		USA	VOA	15600	15080	12080	11950	9665	9530	7405	6035	1530	Africa		01/11/94
0630															
0700		USA	VOA	15600	12080	11950	9665	9530	7405	6035	1530		Africa	Sa-Su	01/11/94
0700															
0727		Czech	R Prague	9505	7345	5930							Eu		01/16/94
0800		Russia	R Moscow Int'l	7180	7165	7130							World Service	obs limited by low M	01/04/94
0800		Slovakia	AWR Eu	7180									UK/nEu		01/04/94
0730															
0757		Czech	R Prague	21705	17535								seAs/Pac		01/16/94
0800															
0900		Russia	R Moscow Int'l	12010	7165	7130							World Service	obs limited by low M	01/04/94
0900		USA	WEWN	9975									Brazil	"Program B"	01/04/94
0900															
0950		Germany	R Deutsche Welle	21680	21650	17820	17780	12055	11715	6160			As/Pac		01/01/94
1000															
1100		Russia	R Moscow Int'l	17710	15470	15465	15435	15380	15320	15210	15175		World Service	> 15 MHz jobs limited	01/01/94
1100		Russia	R Moscow Int'l	12070	12020	12015	11675	9750	7205				World Service	< 15 MHz jobs limited	01/01/94
1100															
1200		Russia	R Moscow Int'l	21665									World Service	13m	12/31/93
1200		Russia	R Moscow Int'l	17880	17805	17760	17710	17690	17605				World Service	17m	12/31/93
1200		Russia	R Moscow Int'l	15585	15550	15525	15480	15470	15465	15435			World Service	19m > 15.4 MHz	12/31/93
1200		Russia	R Moscow Int'l	15380	15345	15320	15280	15210	15175	15150			World Service	19m < 15.4 MHz	01/01/94
1200		Russia	R Moscow Int'l	12070	12055	12020	12015	11675					World Service	25m	12/31/93
1200		Russia	R Moscow Int'l	7205									World Service	41m	12/31/93
1130															
1157		Czech	R Prague	15355	11990	7345							Eu		01/15/94
1159		South Korea	R Korea	9650									eNAf		12/31/93
1200															
1300		Russia	R Moscow Int'l	21825	21785	21550	21540						World Service	13m	12/30/93
1300		Russia	R Moscow Int'l	17880	17805	17760	17710	17690	17665	17605			World Service	17m	12/30/93
1300		Russia	R Moscow Int'l	15585	15540	15525	15495	15480	15465	15435			World Service	19m > 15.4 MHz	12/31/93
1300		Russia	R Moscow Int'l	15380	15345	15320	15280	15175					World Service	19m < 15.4 MHz	12/31/93
1300		Russia	R Moscow Int'l	13670									World Service	22m	12/30/93
1300		Russia	R Moscow Int'l	12070	12055	12030	12020	11980	11675				World Service	25m	12/30/93
1300		Russia	R Moscow Int'l	9635	9560								World Service	31m	12/30/93
1300		Russia	R Moscow Int'l	7295	7205								World Service	41m	12/31/93
1230															
1300		Sweden	R Sweden	15240	15120	13765							As/Pac		01/05/94

SCHEDULES BY SUBSTRAM

START END	COUNTRY	STATION	FREQUENCIES							TARGET AREA	NOTES	LAST Update	
1300													
1400	Russia	R Moscow Int'l	21785	21610	21540					World Service	13m	12/30/93	
1400	Russia	R Moscow Int'l	17880	17760						World Service	17m	12/30/93	
1400	Russia	R Moscow Int'l	15540	15495	15480	15455	15380	15345	15320	15150		12/31/93	
1400	Russia	R Moscow Int'l	12065	12030	11980	11675						12/31/93	
1400	Russia	R Moscow Int'l	9890	9635	9560							12/31/93	
1400	Russia	R Moscow Int'l	7295	7205	7195							12/30/93	
1330													
1400	Sweden	R Sweden	17870	15240									01/05/94
1400													
1500	France	R France Int'l	12030										01/18/94
1500	Russia	R Moscow Int'l	21610										12/30/93
1500	Russia	R Moscow Int'l	17760	17685									12/30/93
1500	Russia	R Moscow Int'l	15540	15465	15455	15440	15380	15345	15320				12/31/93
1500	Russia	R Moscow Int'l	12030										12/30/93
1500	Russia	R Moscow Int'l	9890	9560	9550								12/30/93
1500	Russia	R Moscow Int'l	7250	7205	7195								12/30/93
1500	Russia	R Moscow Int'l	6055										01/04/94
1500	Russia	R Moscow Int'l	6055										12/31/93
1500	Slovakia	AWR Eu	13790										01/04/94
1500													
1550	Germany	R Deutsche Welle	17765	15145	11965	9735	7195						01/01/94
1600	Russia	R Moscow Int'l	17780	17760									12/30/93
1600	Russia	R Moscow Int'l	15550	15540	15465	15440	15380	15345	15320				12/31/93
1600	Russia	R Moscow Int'l	12065	12045									12/30/93
1600	Russia	R Moscow Int'l	9890										12/30/93
1600	Russia	R Moscow Int'l	7105										12/30/93
1600	Russia	R Moscow Int'l	6055										12/31/93
1600													
1627	Czech	R Prague	11630	7345	5930								01/16/94
1630	Pakistan	R Pakistan	17725	15675	15515	13590	11570	9470	4895				01/15/94
1700	Russia	R Moscow Int'l	15380	15320	12045	9890	9560	9550					12/31/93
1700	Russia	R Moscow Int'l	7205	7150	7115	7105	6055						12/31/93
2400	USA	WINB	15715										12/30/93
1630													
1800	Ecuador	HCJB	21455U	17790	15270								01/18/94
1700													
1800	Pakistan	R Pakistan	9855	7485									01/01/94
1800	Russia	R Moscow Int'l	9890	9550	7205	7170	7105						12/31/93
1800	Slovakia	AWR Eu	11610										01/04/94
1800	Slovakia	AWR Eu	9455										01/04/94
1800													
1827	Czech	R Prague	9420	7345	5930								01/15/94
1900	Russia	R Moscow Int'l	12055	12045	10344U	9890	9550	9470	7180				12/31/93
1900													
2000	Ecuador	HCJB	21455U	17790	17490U	15270							01/18/94
1950	Germany	R Deutsche Welle	15425	15145	13790	13610	11785	11765	11740	9765	9665		01/01/94

SCHEDULES BY SUBSTRON

START	END	COUNTRY	STATION	FREQUENCIES								TARGET AREA	NOTES	LAST UPDATE
1900	2000	Russia	R Moscow Int'l	12055	12045	10344U	9550	9470	7205	7180	7170	World Service		12/31/93
	2000	Slovakia	AWR Eu	9455								Al		01/04/94
1935	1955	Italy	RAI	11800	7275							Great Britain		01/12/94
2000	2050	Germany	R Deutsche Welle	7285	5960							Eu		01/14/94
	2030	Lithuania	R Vilnius	9710	9675	9400	1557	666				Eu		01/26/94
	2100	Russia	R Moscow Int'l	12055								World Service	25m R Aum 2030-21	12/31/93
	2100	Russia	R Moscow Int'l	10344U	9890	9565	9550	9470	9450			World Service	31m R Aum 2030-21	12/31/93
	2100	Russia	R Moscow Int'l	7250	7205	7180	7170					World Service	41m R Aum 2030-21	12/31/93
2100	2127	Czech	R Prague	9420	7345	5930						Eu		01/15/94
	2200	Russia	R Moscow Int'l	17690								World Service	17m	12/30/93
	2200	Russia	R Moscow Int'l	12050								World Service	25m	12/30/93
	2200	Russia	R Moscow Int'l	9885	9750	9685	9620	9550	9470			World Service	31m	12/30/93
	2200	Russia	R Moscow Int'l	7390	7330	7205	7180	7170	7165	7150	7110	World Service	41m	12/30/93
	2200	Russia	R Moscow Int'l	6055	5950							World Service	49m	12/30/93
	2200	Russia	R Moscow Int'l	4860	4795							World Service	60m	12/30/93
	2300	USA	WHRI	17830	13760							Can/leNAM/Eu		01/18/94
2130	2200	Ecuador	HCJB	21455U	17790	17490U	15270					Eu		01/18/94
	2200	Sweden	R Sweden	9655	6065	1179						Eu/AI/ME	#1 Su only	01/05/94
2200	2227	Czech	R Prague	9420	7345	5930						Eu		01/15/94
	2225	Italy	RAI	11800	9710	5990						Japan		01/12/94
	2300	Russia	R Moscow Int'l	17690	17655	17605						World Service	17m	12/30/93
	2300	Russia	R Moscow Int'l	12050								World Service	25m	12/30/93
	2300	Russia	R Moscow Int'l	10344U	9885	9750	9725	9695	9620	9550		World Service	31m	12/30/93
	2300	Russia	R Moscow Int'l	7380	7295	7205	7180	7150	7115			World Service	41m	12/30/93
2230	2300	Finland	R Finland	9740	963	558						Eu	Sa -2255	01/01/94
	2300	Finland	R Finland	9740								eAs/Aus	Sa -2255	01/01/94
	2300	Finland	R Finland	9740								SAM	Sa -2255	01/01/94
	2300	Lithuania	R Vilnius	9710	9675	9400	1557	666				Eu		01/26/94
2300	2400	Russia	R Moscow Int'l	17610								World Service	17m	12/30/93
	2400	Russia	R Moscow Int'l	15425								World Service	19m	12/30/93
	2400	Russia	R Moscow Int'l	12050	11675							World Service	25m	12/30/93
	2400	Russia	R Moscow Int'l	9750	9695	9620	9480					World Service	31m	12/30/93
	2400	Russia	R Moscow Int'l	7295	7210	7170	7110					World Service	41m	12/30/93

the page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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International Station
W2XE
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COLUMBIA BROADCASTING SYSTEM, INC.
485 MADISON AVENUE
New York City
U.S.A.

August 25 1938

Dear Listener:
Thank you for your recent communication. This will verify your reception of International station W2XE on frequency No. 3 on April 23, 1938.

International Station
WCBX
Owned and Operated by the
COLUMBIA BROADCASTING SYSTEM, INC.
485 MADISON AVENUE
New York City
U.S.A.


March 25 1940

Dear Listener:
Thank you for your recent communication. This will verify your reception of International station WCBX on frequency No. 1 on December 16, 1939.

WCBX
1. 8170 Kc. 40.98 Mc.
2. 8170 Kc. 40.98 Mc.
3. 7840 Kc. 31.07 Mc.
4. 14820 Kc. 25.34 Mc.
5. 15270 Kc. 19.63 Mc.
6. 17830 Kc. 16.81 Mc.
7. 24320 Kc. 12.30 Mc.

COLUMBIA BROADCASTING SYSTEM, INC.
L.A. Tucher
International Service Manager

NATIONAL BROADCASTING COMPANY Inc.
to Rockefeller Plaza
New York 17, N.Y.



We are glad to verify your reception of our program from short-wave station W3XL.
We hope that you will continue to receive our programs satisfactorily.

NATIONAL BROADCASTING COMPANY Inc.



NBC INTERNATIONAL STATION
WNB I

16.8 METERS	17,780 KILOCYCLES
19.8 METERS	15,150 KILOCYCLES
25.23 METERS	11,890 KILOCYCLES
31.02 METERS	9,670 KILOCYCLES
49.1 METERS	6,100 KILOCYCLES

THE NATIONAL BROADCASTING COMPANY
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America's shortwave broadcasting history remains a well-kept secret among today's DXers. The period from the mid-20's through late 1942 was a time of widespread shortwave broadcast experimentation by many of the biggest names in the newly developing American radio industry, including two whose QSL's are shown here: CBS and NBC. ++ NBC got into shortwave with its station W3XL, Bound Brook, New Jersey, in order to assist RCA with the exchange of programming with the BBC and other European stations. This eventually led to the establishment of the International Division of NBC and the production of 16 hours of SW programs daily, much of it beamed to South America. The W3XL card at left is from 1936, the WNBI card from the early 40's (WNBI was formerly W3XL, another NBC SW outlet). ++ CBS 250 watt station 2XE came on the air in 1928 as a rebroadcaster of the programs of WABC. By 1937 it was up to 10 kw. and, like NBC, it offered a wide variety of international programming in addition to its simulcasting of regular CBS material. It eventually became 50 kw. WCBX. ++ If you would like more information on CPRV, including the Registered Collections Program which supplies you with stickers indicating your wish that your QSL's be donated to CPRV when the time comes, send a business size SASE to yours truly at the above address. 73.

JB

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