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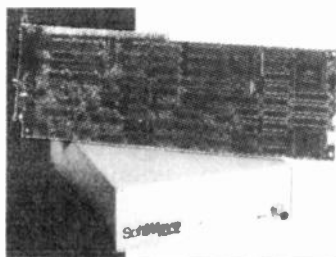
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**NORTH AMERICAN SHORTWAVE ASSOCIATION**

Volume XXXIV, Number 7

August, 1994





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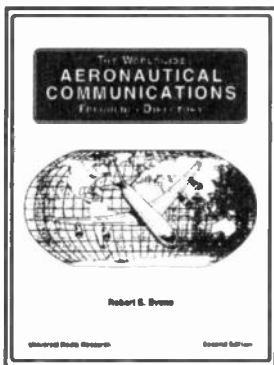
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# NASWA Notes

Bob Brown KW3F

238 Cricklewood Circle

Lansdale, PA 19446

CompuServe: 74756.1557

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Hot, humid, chance of thunderstorms... not to worry, it'll be September before you know it and you won't have to constantly keep unplugging those antennas. I'm looking forward to quieter bands and cooler temperatures.

I have a couple of staff announcements to make. First, Rich D'Angelo (2216 Burkey Drive, Wyomissing, PA 19610 or via GENie at R.DANGELO3) will become the new Executive Director for the club. I'd like to say "Thanks!" to all those that supported me as Executive Director. It has been an honor to serve NASWA in this capacity and I wish Rich all the best as he assumes the leadership role of NASWA. I will be continuing as the Managing Editor; working with Bill Oliver, Ralph Brandi, and your editors to continue the monthly production The Journal.

Hans Johnson has stepped down as editor of the Listeners' Notebook column. However, Hans' editing skills will not be missing from the pages of the JOURNAL. The Shortwave Center column will now be under his very capable leadership. Thank you Hans for a job well done with LN and good luck in your new assignment.

Al Quaglieri will be the primary editor of Listener's Notebook with Chris Lobdell filling in as his assistant. Both gentleman have years of listening experience and their combined efforts will continue the tradition of Listener's Notebook being a premier SWLing information resource. Both Al and Chris can be reached electronically

## ANARC SWL Ham Net

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

and I encourage you to contribute when you can. Check this month's Listener's Notebook masthead for Al's info. We'll get Chris's info in the column next month. You can reach Chris via his CompuServe ID - 75720.253 (Internet -- 75720.253@compuserve.com) or at P.O. Box 146, Stoneham, MA 02180-0146.

Finally, we are looking at the club's management structure, i.e. Executive Council, for possible refinement and modifications. In recent years, most management decisions have been made by active NASWA staff located near headquarters. Some members of the current Council have been inactive in NASWA affairs. Perhaps a restructuring of the Executive Council may be necessary. Naturally, we would like to hear from the membership on this issue. Also, we hope the

## Welcome to the following new NASWA members -

Jonathan Berman MD, Amboy, WA  
J S Blaza, Key West, FL  
Bob Bodell, Milwaukie, OR  
Charles DeSanctis, Winston-Salem, NC  
Norman Ferriere Jr., Hartford, CT  
Ross J. Heide, Alexandria, VA  
J F Petersen, Rosharon, TX

Don Putnick, Hawthorne, CA  
Jesse C. Rose Jr, Hampton, VA  
Kent Showman, Norwalk, CA  
Jerry Smith, Bridgeton, NJ  
Morton Tanenbaum, Flushing, NY  
Dan W. Wingate WT4Z, Belmont, NC  
Jose R. Zuyas, Isla Verde, PR

Our Motto is - "Unity and Friendship"

current members of the Executive Council will offer some advise in this area. Please send you comments to either Rich or myself. Thank you.

Please note that these changes are not yet reflected on the back cover. We will have the back cover changed for next month.

I recently received word from Bill Fisher of the Southern California Area DXerS ("SCADS") that RadioCom'94 has been cancelled. Apparently, the convention committee felt there wasn't enough response to make this a successful convention. However the convention committee is not discouraged and it has already begun planning for a RadioCom'96. Nevertheless, the next few weeks will be busy ones in the radio listening hobby with a number of conventions on the agenda. The International Radio Club of America will be holding its annual bash in Aberdeen, WA on August 26-27 and the National Radio Club will hold its annual Labor Day weekend convention in Merrimack, NH on September 2-5. Check last month's column for details. Each club is a member of the Association of North American Radio Clubs.

Harold Cones, our esteemed Awards Chairman and Chairman of the Administrative Committee of the 1994 North American DX Championships ("NADXC"), has announced the winners of this year's event which was sponsored by The Association of North American Radio Clubs ("ANARC"). The top three winners are all

NASWA members - a clean sweep for the club!!! Our own Anthony Scott Helms of Kansas City, KS was the top finisher with 1,348 points computed from reception of 387 stations in 116 shortwave broadcast countries. Second place, with 526 points, went to Bill Breeden of Omaha, NB. The third place finisher with 426 points was John Lyon of White Bear Lake, MN. The first place finisher received a pair of JRC headphones from Paul Lannuier of Gilfer Shortwave and the top three winners receive plaques from ANARC. All participants receive certificates indicating their place of finish in the 1994 NADXC. It would be interesting to hear from our members, via a MUSING, about their participation in the NADXC. Congratulations to Scott, Bill and John for a job well done.

Chairman Cones informs me that next year's contest will be a worldwide event with participation from the member clubs of the European DX Council and South Pacific Area Radio Clubs. He is in the process of working out the details with those organizations. There will be a few different twists to next year's contest which will enable the crowning of three regional winners. It should be a lot of fun. I encourage all NASWA's to participate. We will have more information in the coming months.

I recently received my copy of John Figliozzi's 1994 Shortwave Radio Guide which is available from the Company Store (c/o Kris Field, 705 Gregory Drive, Horsham, PA 19044) for just US\$16.00 in North America and US\$20.00 overseas. It is a superb publication which any

### Calendar Of Events

- Aug 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
- Aug 19** - Meeting, Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- Aug 19** - 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).
- Aug 20** - 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
- Sep 4** - The Tidewater SWLs meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.

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

serious shortwave listener should add to his/her collection of resource materials. Its 184 pages contains listings for thousands of English language programs broadcast to or audible in North America and as well as listings for English language programs broadcast to other regions of the world too.

If you were planning on submitting your name for one of the positions available in the upcoming ANARC Executive Board elections, you are too late. Time has run out! However, two club members, Gerry Kerscher and John Vodenik, have volunteered to run (Dave Marshall and Rich D'Angelo will be running for re-election; the terms of Harold Cones, Mark Meece and Bill Oliver have one year remaining). Good luck to Gerry and John on their bids to get on the Executive Board and to Dave and Rich in their re-election efforts in September's election. Naturally, we will report the results of the Executive Board elections in the coming months. If you have an interest but missed the boat this time around, do not worry. Next year, ANARC will be holding an election for three slots that will become vacant at the end of 1995. It's never too early to begin planning.

August marks the 28th anniversary of NASWA becoming an all shortwave broadcast club. Congratulations to us, hi! It's been a very

successful twenty-eight years thanks to the dedication of the many excellent editors, volunteers and club members that have reported the news over these many years. We are quickly approaching our thirty-fifth anniversary as a club. We celebrated our 25th all-SWBC anniversary with a special edition drinking mug; any ideas for the 35th anniversary? A MUSING from some of our oldtimers about their NASWA adventure would be nice touch (HIINT!).

Speaking of anniversaries, The Ontario DX Association is celebrating their 20th anniversary in August. Congratulations to the ODXA from your friends in NASWA!

Help!!! Our FRENDX: Twenty Five Years Ago feature will be on a forced vacation for 16 months due to a significant "hole" in Rich D'Angelo's collection. Unless members are willing to supply back issues of FrenDX (photocopies will do or Rich will gladly photocopy them if sent to Wyomissing) for September 1969 through December 1970, he will not have the resources needed to do the feature. Alternatively, you can summarize the material for submission using the general format used to date. He will be able to resume the feature beginning in January 1996 with the review of January 1971 events thanks to member Alan Johnson supplying back issues for calendar year 1971. Isn't that too long to wait?

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

From Bill Eddings: "Although we have been in operation for going on our ninth year, this month we celebrate our third anniversary as an all-SWBC club. Congrats and thanks are extended to all the many who have kept faith, given support, added heart. With continued same, we will celebrate many more anniversaries in the years to come." Publicizing shortwave radio was on the minds of many in 1969. Al Sizer wrote about this subject in an article entitled "Data On Publicizing Shortwave." The Shortwave Center included a "SW Radio In The Year 2000 - A Prediction" by member Ron Budziack. Seven of the fourteen new members for the month came to the club via the World Radio TV Handbook. Renewing members included: Bob Wilkner, Rowland Archer, Jr. (2nd year), Bill Matthews (3rd year), Gerry L. Dexter (sixth year), and Douglas Benson, Frank Peters (8th year). Awards Chairman Warren Nordgren reports that Bob Estand and Henry Michalenka earned the Worldwide DXer award (50 countries) and Al Sizer the North American DXer award (13 countries). Twenty-six reporters appeared in QSL Report with Gerry Dexter, Robert Estand, Dr. Earle Hall, Mike Macken, Bob Padula, Ed Pyatt, Alan Roth, and George Schnabel among the notables. The lead story in the QSL Report concerned the impressive 9" x 12" color certificate issued by the Red Cross for its test transmissions over the Swiss Broadcasting Company transmitters. Dan Ferguson's Log Report saw contributions from 44 reporters which included: David Alpert, Bill Berghammer, Gerry Dexter, Bob Estand, Dan Ferguson, Marlin Field, Dr. Earle Hall, Glenn Hauser, Del Hirst, Henry Michalenka, Al Niblack, Cesar Objio, Bob Padula, Ed Pyatt, Al Sizer, Bill Sparks, and John Tuchscherer. In Al Niblack's Flashsheet, Don Jensen and Tom Upton report reception of the Voice of Biafra and Radio Biafra with station engineers requesting reception reports to an Ivory Coast address.

## Musings

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

**Doug Robertson, KCA6XO-Seahaven, 4045 Sunset Lane, Oxnard, CA 93035**

NASWA members who may be interested in the British monthly SHORTWAVE MAGAZINE may now sample a copy sold in the USA by the BOOKSTOP chain of discount booksellers rather than popping for the \$45 USA rate sight unseen.

I picked up a copy at the Lewisville, TX store in mid July (the June issue) that had been imported by air. The feature reviews are on the WATKINS-JOHNSON HF-1(XXX) and the GRUNDIG YB 400. The June issue inaugurated World Propagation Forecast charts by Jacques d'Avignon, for the Great Britain receiver site, of course. Loggings reported for the Tropical Band I also found of great interest. Two articles on D-Day Broadcasting marking the 50th anniversary were of great interest. One for the hollow state fans heavily illustrated the representative receivers of the era with very interesting technical details.

There are four other BOOKSTOPS in Dallas; four more in the immediate area. Also in New Orleans, Miami and in Tennessee. Other large retailers may carry this monthly, although Barnes and Noble in California does not stock it yet.

Also, RadioCom 94 has been cancelled. I returned home from a business trip to find my fee and registration had been returned with a flyer that explained insufficient response needed to make a successful Convention was received.

SCADS are going to try again for RadioCom 96. I wish them well, but offer some suggestions. Get a formal agenda planned and published with topics and speakers identified. Four days is a lot of time to fill. The only events I knew of specifically were the Saturday night banquet and probability of a swap meet. Advertise who your exhibitors are going to be, and arrange for door prizes as an incentive.

I had a hint of trouble when I could not make a hotel reservation at the guaranteed rate because the reservation clerk had no listing of a special or even the event! Communications, and that is what we are all about, definitely need to be established to bode success in 96.

**Bill Bergadano, 32 Joysan Terrace, East Freehold, NJ 07728**

I need to find the location of the now off the air CPBS outlet that used to be on 5075. I have a QSL from them from January 2, 1994, but when I moved to New Jersey my log of January, 1988 was lost. I'm working towards the Senior China DXer award; I need to get the locale for station #4. So, if anyone can drop me a line with the QTH, I'd really be grateful.

**Dan Robinson, (INTERNET: voabkk@wov.com)**

I'm currently the VOA Southeast Asia Correspondent and I can be reached at Internet address: voabkk@wov.com For anyone who would be in need of any help in ID or confirmation of stations in this region, I'll try to help out. One of our favorites here by the way is nightly reception of Bhutan on 5025.

**Paul L. Cannon Jr. (INTERNET: plcannon@cdda9.apgea.army.mil)**

It seems the Tiare phone number in your 7/94 Journal, (800) 248-0579, is wrong. Information lists Gerr's number as (800) 420-0579. *Thanks for the correction Paul!*  
- ed.

**Richard Cuff, 213 Parkview Ave, Allentown, PA 18104-5323**  
Do program listeners need to "spin off" from NASWA?

There has been much debate in these pages concerning the future of shortwave radio, especially for the major European broadcasters such as the BBC, Swiss Radio International, and Deutsche Welle. Alternate means of program delivery, such as satellites and local rebroadcasting, are becoming increasingly important to these broadcasters. Others observing the medium of shortwave broadcasting from the broadcasters' perspective - such as Jonathan Marks of Radio Netherlands, and Ian McFarland, late of RCI and Radio Japan - say what's important to them is the message delivered by the broadcaster, not the medium of its delivery.

Personally, I enjoy my local NPR broadcaster almost as much as I enjoy the Beeb or Media Network on shortwave. But, I don't report on NPR in my Easy Listening column since it's broadcast on FM, not shortwave.

NASWA represents a continuum of shortwave interests, from the program listener like myself to the skilled DXer interested in broadcasters whose audiences are often domestic or regional and not targeted to North America. The Journal has monthly features of interest to both program listeners and DXers, and I've met many NASWA (and other club) members at WinterFests whose interests aren't exclusively DXing or program listening, but are a combination.

It's my opinion NASWA and other clubs with shortwave broadcast (SWBC) interests, who thus have members with program listening interests, need to consider their policies regarding the coverage of local rebroadcasting, NPR, and satellite-delivered programming. Who knows, perhaps an "NPR Corner" could become an occasional Easy Listening feature. That would be my recommendation.

Another alternative - one that I would personally not favor - is to separate program listening from DXing and create a separate club for those interests.

The National Radio Club is proud to introduce **The DX'pedition Handbook**. This book is 80 pages of advice, tips and loggings from two of the NRC's premier DX'peditioners. Shawn Axelrod and Mark Connelley.

The book begins with site selection and the careful planning needed to hold a DX'pedition in almost any type of terrain or weather. Other features are portable masts, static protection, antenna erection and the loggings of the 1991 and 1993 Newfoundland DX'peditions.

This book is \$12.95 (post paid) to non-NRC members in the USA and Canada. \$8.95 to NRC & IRCA members. Order DPH from:

The National Radio Club  
Publications Center  
P.O. Box 164  
Mannsville, NY 13661-0164

*Hello and welcome to Shortwave Center. Yes, I have simply switched hats for NASWA. The length, quality and quantity of this column is dependent on your contributions so please send them in.*

73,

Hans

## Clandestine Broadcasting before and after the end of the Cold War—A comparison

by Mathias Kropf

Over the past five years we have witnessed quite a few big changes in world politics: the fall of the Berlin Wall and the reunification of Germany; the collapse of the Warsaw Pact and even of the Soviet Union. We've seen the PLO chairman and the Israeli Prime Minister shake hands and more recently the end of Apartheid in South Africa. Civil wars have more or less come to a halt in countries such as Lebanon, Ethiopia, El Salvador and Nicaragua. On the other hand, a number of long-running conflicts still remain to be solved, for example in Angola and Cambodia, as well as the Kashmir conflict between India and Pakistan. Also, there are a number of territories that are still struggling for independence or autonomy like the West Sahara, East Timor and Kurdistan.

Anyway, the big question to everyone interested in clandestine broadcasting is of course "What effects have all these big political changes after the end of the Cold War had on the clandestine broadcasting scene?". So, let's try to answer this question or at least get some background information about the clandestine broadcasting scene both before and after the end of the Cold War.

### Introduction

All the data used in this analysis has been derived from the Clandestine Activity Surveys (CAS) that I have compiled annually since 1986. The standard unit of measurement that is used in the CAS and subsequently also in this article are the so-called Weekly Broadcasting Hours (WBHs) for each target area. Some of the major guidelines for the CAS (these guidelines have remained almost unchanged since 1986 to get really comparative data) are: Only clandestine broadcasts on shortwave are included, the target areas must be internationally recognized countries (so e.g. broadcasts to Palestine are listed under Israel, to the West Sahara under Morocco and to Kurdistan under Iran, Iraq or Turkey).

Furthermore, for this article let's assume that: The years 1986 to 1988 are the "before the end of the Cold War" scenario the years 1991 to 1993 are the "after the end of the Cold War" scenario

All the data in this study (cfr tables 1 and 2) are AVERAGED numbers of WBHs for the three years either in the "before" or in the "after" scenario.

### The analysis

Table 1 shows all the averaged WBHs in the before and after scenarios in alphabetical order of target areas and also the per cent changes between the before and after scenario.



Table 1 Averaged Weekly Broadcasting Hours of clandestines on shortwave in the before and after scenarios and per cent changes

Target Area	Avg WBHs "before"	Avg WBHs "after"	% change
Afghanistan	80	67	-16
Angola	89	97	+9
Cambodia	105	100	-5
Chad	31	0	n.a.
Chile	7	0	n.a.
China P.R.	5	7	+40
Colombia	2	13	+550
Cuba	336	396	+18
Egypt	0	3	n.a.
El Salvador	46	8	-83
Ethiopia	64	104	+63
Guatemala	1	5	+400
India	0	26	n.a.
Iran	300	259	-14
Iraq	25	254	+916
Israel	39	93	+138
Korea (ROK; South)	118	116	-2
Korea (PDR; North)	63	161	+156
Laos	0	19	n.a.
Lebanon	177	90	-49
Libya	30	0	n.a.
Malaysia	30	0	n.a.
Morocco	7	7	+/-0
Mozambique	0	18	n.a.
Myanmar (Burma)	18	22	+22
Nicaragua	114	0	n.a.
Papua New Guinea	0	2	n.a.
Rwanda	0	15	n.a.
Saudi-Arabia	0	47	n.a.
Somalia	8	14	+75
South Africa (Rep. of)	50	2	-96
Sri Lanka	5	0	n.a.
Sudan	26	40	+54
Taiwan	0	5	n.a.
Tajikistan	0	4	n.a.
Turkey	110	1	-99
Vietnam	47	28	-40
Zimbabwe	10	0	n.a.

First of all let's note that target areas that were active before, but not after the end of the Cold War are Malaysia, Sri Lanka, Nicaragua, Libya, Chad, Zimbabwe and Chile. On the other hand, target areas that have newly emerged after the end of the Cold War are Egypt, Laos, Saudi-Arabia, India, Taiwan, Mozambique, Rwanda, Papua New Guinea and Tajikistan.

Looking at the biggest changes, the activity towards Iraq increased by an almost unbelievable 916 per cent, followed by Colombia and Guatemala where activity increased by 550 and 400 per cent respectively, but activity there is at a comparatively low level. Other big increases are evident in activity to Somalia, Sudan, North Korea, Ethiopia and Israel. On the other hand, the biggest decrease in activity is shown towards Turkey, followed by South Africa and El Salvador.

Remember that all these figures are average numbers (1986-1989 for the "before" scenario and 1991-1993 for the "after" scenario), so the most recent changes and short-term trends are neglected (for example, activity to Ethiopia has dropped to zero in 1993).

Table 2 Average Weekly Broadcasting Hours by clandestines on shortwave in the "before" and "after" scenarios and per cent changes by regions

Region	Avg WBHs "before"	Avg WBHs "after"	% change
Middle East	731	814	+11.4
Southeast Asia	386	458	+18.7
Latin America	506	422	-16.6
Africa	315	297	-5.7
Others	5	32	+540
TOTAL	1943	2023	+4.1

Please note (cfr table 2) that the overall worldwide activity of clandestines on shortwave has increased after the end of the Cold War (as per the definition for this article) by 4.1 per cent. The biggest increase is reported towards Southeast Asia, followed by the Middle East where most of the increase is believed to be associated with the aftermaths of the Iraqi invasion in Kuwait and operation "Desert Storm". Interestingly, activity has dropped towards Latin America and Africa.

## Conclusions

Even after studying all this interesting data I still found it difficult to come to a single conclusion for our key question. So, here I'll add just a few thoughts about the situation. Of course, everyone is invited to make his own thoughts from this data.

- Certainly the only region where the expected "post Cold War" scenario (also called New World Order) is really kicking in is Latin America. Not only has clandestine broadcasting decreased by 16 per cent, but also there is apparently more political stability and democracy in the region than ever before.
- Although some of the target areas have shifted, overall activity in Africa remains almost unchanged. Whoever called Africa the "forgotten continent" is certainly right—in more than one respect. My prediction is that not even the "new" (post-Apartheid) South Africa will be able to bring more peace to the region.
- The Middle East has been the clandestine "hot spot" for many years. Most of the 11 per cent increase after the end of the Cold War is

probably related to the aftermaths of Gulf War II when activity in the region shifted considerably.

- For me, the biggest surprise of this study is the 18.7 per cent post Cold War increase in activity to Southeast Asia. This seems to be mainly caused by increased tensions on the Korean peninsula.
- Finally, it seems that some of the new post-Cold War conflicts so far have had very little effects on the clandestine broadcasting scene, e.g. the conflicts in ex-Yugoslavia and in the former USSR.

*Thanks, Mathias. Mathias is the author of a new entry in the literature of clandestine broadcasting is now available from Tiare Publications. The Directory surveys current clandestine broadcasters with schedule, information on backing organizations, addresses and more. Time and by-frequency listing are also featured and this is expected to be an annual publication. Copies can be obtained for \$ 12.95 plus \$ 2 s/h (\$3 foreign) from: Tiare Publications, P.O. Box 493, Lake Geneva, WI 53147 or (800) 420-0579 (8 a.m.-6 p.m. Central Time).*

## CFRB/CFRX; ODXA's ROLE AS QSL MANAGER

By Stephen Canney, VA3ID

Originally published in DX Ontario, the journal of the Ontario DX Association, Box 161, Station A, Willowdale, Ontario M2N 5S8, Canada

### Some Background

In October of 1991, the ODXA officially became QSL Manager for Toronto AM station CFRB and its shortwave outlet CFRX (6.070 MHz), or as the reception report count indicates, CFRX-CFRB, but more on that later.

Actually, the ODXA connection to both CFRB and CFRX goes back to around 1985 when member Ron Hopkins handled their QSL duties. Ron, (who had business connections with the station), inquired as to who handled the station's QSLing and discovered the reports

were the responsibility of one of the receptionists, when time permitted. For Ron, an ardent DXer/QSL-seeking kind of guy in his own right, this seemed like a rather inefficient method of handling reception reports from loyal listeners, so he approached the station and offered to take over the job. They were only too happy to let him give it a try. His volunteer work was a personal effort to assist the station to put its QSLing house in order, but there was no 'direct' ODXA connection at this time.

For the first while, Ron spent a lot of time filling requests from a large backlog of old reports that had either gone unanswered or hadn't been mailed. After cleaning up the backlog he maintained a regular vigil of picking up the box of reports from the station on St. Clair Avenue. After a few years of his volunteer duties, Ron's work schedule, along

with other commitments, gave him less time to devote to the task, so for a while, the QSLing was back in the hands of a CFRB staff person.

In the summer of 1991, out of my own curiosity, I asked Ron what the status of the QSLing was. He told me that he had relinquished the job and wasn't sure who was handling things now. This led me to thinking that it would be a rather unique idea to approach CFRB with a proposal, asking if the ODXA could be their QSL manager (a kind of club project!), an activity the club could benefit from, and they wouldn't have to be concerned about their reception reports piling up.

At that time, I had never heard of a shortwave club acting as a manager for a radio station's reception reports. But, what the heck; it never hurts to ask. My idea was shared with and strongly supported by John Grimley, who provided assistance with the proposal. I called the station and was directed to the engineering department where I spoke with Ian Sharp. Ian is one of the engineers who oversees the maintenance of the CFRB/CFRX transmitter site along with the other technical duties at the station. Since he not been at the station that long, I gave Ian background on Ron's QSLing work, plus provided him with an overview of the ODXA and how we could both benefit by working together on this service. Much to my relief, Ian was extremely enthusiastic about the idea and wanted to get things rolling as soon as possible—the cardboard box they kept the reception reports in was overflowing by this time. So, on October 1, 1991, the ODXA became the official QSL Manager for one of the most listened-to AM stations in Canada and the strongest of the private shortwave re-broadcasters in the country.

I should mention one other person at the station who takes credit for making this happen. This is Rob Mise, Operations Manager for CFRB. Both Ian and Rob have gone to great lengths to establish a super working relationship between ODXA and CFRB, and have provided all the much-needed assistance to make this joint effort work so well. I thank you both!

## Promotional Bonus!

Regular listeners to CFRX will know of its twice-hourly ID, a requirement under its license. A thought crossed my mind that maybe

we could make it easier for the listener by having them send their reports directly to the ODXA address rather than through the station. However, to do this we would need permission to have our address added to the long established ID. Hmmmm, something never done before I said to myself, so lets try. I took the direct approach and asked Ian, he thought it made sense, and suggested we put together a script with the appropriate wording. No sooner said than done. John Grimley wrote the short script and within a couple of weeks, we heard broadcaster Ron Hewitt reading the revised announcement, twice-an-hour, 24-hours-a-day! Boy that was easy. A promotion not envisioned in my original proposal, but I'll take it.

As an aside to this, just prior to his retirement to Florida in October '93, CFRB's fiery and controversial Ed Needham (a longtime swl/scanner buff who actively promoted CFRX and shortwave radio on his show), was called upon by Ian Sharp to be the new voice of the CFRX ID; only this time a musical background was added. This ID has suddenly become serious business!

One issue I want to address regarding the ID, are complaints from some listeners, particularly Canadians, about the ID coming on at the worst possible times, i.e, the middle of a newscast, sports scores, or at the peak of some juicy topic on one of their talk shows. Just so you know, according to Ian, the ID timer is set to come on every 30 minutes and is normally set to come on at about 15 and 45 minutes past the hour. But the timer is not a device that works in 'real time'. If a voltage glitch or some other electronic malfunction appears in the timer circuit—which does happen occasionally—the timer resets itself to the time of the glitch, which in-turn, messes up the original setting of the timer. That's why it will come on at a different time and stay that way until one of Ian's next visits to the transmitter site in Mississauga. (I offered to go to Radio Shack and buy a new timer to solve the problem, but it's not as simple as that. This timer is one of those 'one of a kind, industrial strength built-into the transmitter kind of things'.)

So as you can see, this particular technical problem still needs to be sorted out. Ian has plans to have the ID'er kick-in only when it

receives a signal via a subaudible tone generated from a cart machine in the studio, way back at the station on St. Clair Ave. This means the IDer will only come on when a commercial or public service announcement is activated. We realize it's aggravating, but please be patient.

### **Which station receives the most reports, and how many reports do you get per month or week?**

Without question, CFRX receives about 98% of the reports, due mainly to the station ID announcement. This was proven on a few occasions when the CFRX ID didn't come on for a few weeks (some technical reason), and reports dropped off to almost zero. The ID reappeared and the incoming reports went right back up.

CFRB, on the other hand, has received very few reports, but believe it or not, the majority of these reports are from Scandinavian countries! Maybe someday we could get some mention directly over CFRB about where reports should be sent. I'll have to talk to them about this.

To-date, I've sent out well over 1,000 QSL cards. This averages out to about 40 per month, however, the incoming mail changes dramatically from week to week. Some weeks, 15-20 reports have come in, while at other times, we may get one or two. Most of the time we get about 5 or 7 per week.

### **What is sent out when an accurate reception report is received?**

The words 'accurate reception report' are used in the out-going announcement simply to remind listeners that we need some details to confirm their reception. Most reports are quite good. However, we do receive the occasional report from regular listeners to the station who've never sent in a reception report before and simply state that they were listening and want a QSL card. These listeners receive a short note outlining the typical items required to receive a QSL, such as: date-time-frequency-program details (at least 15-20 minutes worth), along with the other goodies I put in the envelope. Some people just write in wanting a copy of CFRB's program guide.

What other goodies are there you ask? In

addition to the station QSL card, I send out an ODXA brochure, a CFRB Program Guide, a CFRB/CFRX Technical Information Sheet, and a Toronto postcard—courtesy of the Metropolitan Toronto Convention and Visitor's Association. Unfortunately there are no station stickers available at this time; an item I'm trying to encourage the station to produce. CFRB provides me with the stationary, envelopes and pays for all the postage costs. It only costs me some time. As mentioned in the station ID, you can even FAX your reception reports to us, and we certainly receive a lot this way. These reports are sent directly to the ODXA club headquarters telephone number 1-905-853-3169, which can handle both voice and FAX calls. Occasionally, listeners send their reports in on cassette tape, but these are few and far between.

### **What's the turn-a-round rate for QSLs?**

Reports sent directly to the ODXA address are usually processed within 24-48 hours of receipt. I like to process them as soon as possible because they do pile up quickly. One bit of advice from Ron Hopkins—something I've maintained since the beginning of this work—is to keep on top of the reports, as you can easily get bogged down if you leave them too long. Oh so true!

Reports sent directly to CFRB on St. Clair Avenue (many still go that route because some people hadn't heard the station ID giving the address, so they rely on their editions of WRTH or Passport to World Band Radio), will take a little longer because they aren't sent to me from the station until a sufficient number have arrived, then the cards are bundled into a large envelope. I normally receive their package about once every month or so. As you can see, you're much wiser to send reports directly to the ODXA address.

Many reports include additional comments on CFRB programming. I send these comments down to the programming and management people at the station to eyeball. Some comments are directed to the ODXA itself, specifically with regard to our involvement with the QSLing service. Here are some typical examples: "Thank you ODXA member for providing this much appreciated service for fellow DXers!" ... L.B., Pa, USA; or, "Great effort by ODXA in providing QSL duties for

CFRX."... B. L. Windsor, Ont.; "Thanks ODXA for running the QSL program for the station. My renewal is on its way!"... J.C. Oklahoma. One additional treat is getting thank you notes and even Christmas cards from the QSL recipient!

## The New CFRX Antenna

CFRX's 'new quarter wave vertical', was installed in November '93. It's physically overshadowed by the huge CFRB antenna system, but is very potent to say the least. The old antenna, installed in 1959, was also a quarter wave vertical. It was looking rather ragged and had the words "replace me please, I'm getting too old for this", written all over it. Last summer, Ian went ahead and investigated the cost of a new system. The new antenna is made by Sinclair Labs in Aurora, and the guy wires and mounting harnesses were made by LeBlanc & Royle of Oakville, Ontario. Results? It may be a little too early to give a global picture of the new system, but reports to-date indicate a definite improvement in signal levels around North America. John Grimley announced over Media Network's telephone answerline that the new CFRX antenna was now in service and reports would be much appreciated. The announcement definitely paid off, by generating a large number of new international reports. Thanks for the free publicity John!

On a more technical side, the new antenna's Standing Wave Ratio is zero, which means it's perfectly matched to the transmitter that's presently humming along at a comfortable 1,000 watts. This is a little more juice than with the old antenna which had a much higher SWR and was physically taking on the shape of the letter 'S'. If you're ever in the neighbourhood of Southdown Road and Royal Windsor Drive, (Mississauga), drop by and say hello to the new kid on the antenna block. It's the closest antenna to the road.

Due to the fact that CFRX is literally stuck on the frequency of 6.070 MHz, 24 hours-a-day, if interference gets bad for the listener, there's no opportunity for the station, or listener, to choose an alternate frequency to help improve things. However, considering the station's power, it does amazingly well. The list below,

(compiled since October of 1991), will give you an idea of just how well it does.

### COUNTRIES:

- FINLAND
- ENGLAND
- SWEDEN
- BRAZIL
- BARBADOS
- NEW ZEALAND
- HOLLAND
- ITALY
- EL SALVADOR
- FRANCE
- MEXICO
- TRINIDAD
- BAHAMAS
- TOBAGO
- MALTA
- AUSTRALIA
- GERMANY
- CANARY ISLANDS (SPAIN)
- AUSTRIA
- CAYMEN ISLANDS
- SOUTH AFRICA
- GUATEMALA

### CANADIAN PROVINCES:

- ONTARIO
- BRITISH COLUMBIA
- MANITOBA
- ALBERTA
- QUEBEC
- NOVA SCOTIA
- NEW BRUNSWICK

### U.S. A:

Reports have come in from 41 states!

With the new antenna, I look forward to seeing more exotic country names added to my list.

## In Summary

The past few years have provided me with a tremendous learning experience, specifically in understanding reception report writing and QSLing from a broadcaster's point of view. Plus seeing first-hand the influence a broadcaster has on its audience. I'm glad I went ahead with the idea and happy to report that through this service, the ODXA has received a very large number of inquiries from around the world, and gained approximately 25 new members as a result.

I hope I've given you a little better idea of just what's involved with the QSLing for CFRX/CFRB.

*Much thanks to ODXA, Steve and Harold Sellers for providing that article.*

# Easy Listening

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## The Future of the Beeb

The August issue of BBC Worldwide includes a lengthy interview with Bob Phillis, managing director of BBC World Service and deputy director-general of the BBC. Some highlights from Phillis' comments on BBC World Service radio:

- BBC World Service will be organized regionally, with the unit for the Americas responsible for all programming targeted there. Programs with a time-critical nature, such as *NewsHour* and other live programming, will be broadcast simultaneously to all areas. Music, arts, drama, documentary, and other "core" programming, which comprises up to 75% of English language programming, will be scheduled by the regional heads to match listening habits in the target areas.
- Approximately 20% of programming will be geographically specific, or may be produced by two or three regions for their collective use.
- Local rebroadcasting and future digital satellite broadcasting will also be emphasized.
- A joint venture is being set up for the USA with two TV cable channels; one for news/information, the other for entertainment.

## A News Junkie's Dream Come True

Speaking of the BBC, the European Service on 6195 kHz from 0300 on has been coming in very well here recently in eastern Pennsylvania. If you like news, and you like the Beeb, consider this program lineup: 0300 *Newsdesk*, 0330 *Europe Today*, 0400 *NewsHour*. That's two hours from arguably

the most respected news gatherer in the world. Both *Newsdesk* and *NewsHour* air one hour earlier on the European Service than on the rest of the World Service during Summer Time, maintaining the same local time schedule throughout the year. I suspect the upcoming regionalization may bring about the UTC schedule shift here in the Americas as well, but I've read nothing to support that hunch.

## HCJB News

I can't think of any non-US broadcaster that has embraced the Internet in a bigger way than HCJB. The Voice of the Andes now has a file server from which one can download program schedules and other information from HCJB's English service. FTP to [nw311.hcjb.com.ec](ftp://nw311.hcjb.com.ec), login as anonymous, and use your Internet address as your password.

Starting September 1, HCJB will have a full 24-hour schedule, with more music, drama, and magazine programs. I assume at this point that the full schedule will air only on HCJB's SSB frequencies, currently 17490 and 21455 kHz.

Among August highlights:

*El Mundo Futuro*, Wednesdays at 0100, 0330, and 0530 UTC to the Americas, looks back in time in a series called *Men of Science, Men of Faith*. Also, *Imagine That!* looks at humorous science vignettes that are beyond belief.

*Studio 9* also features a special series on Wednesdays called *Mystery of Mysteries*, at 0030, 0300, and 0500. *Mystery of Mysteries* weighs the evidence for evolution and creation. It will be interesting to hear how HCJB's "gentle evangelical" style deals with this topic.

## Radio Netherlands Highlights

The September Newslines weekend special is **Immigrant Families/Dutch Families**, airing September 3rd and 5th. How close and coherent is the average Dutch family compared with the average immigrant family? Is it even possible to generalize?

Another September highlight is a new Documentary series: **Then And Now**, a look at three Dutch cities in 1944, during World War II, and 1994, 50 years hence. On September 7th the focus is on Arnhem in eastern Netherlands.

## BBC World Service Highlights

August sees the beginning of the **Women Of The World** season, with various programs focusing on the role of women in various world cultures – Western, Eastern, and in between. The worldwide perspective of the BBC should make this an interesting topic as differences in the status, roles, and achievements of women are considered.

### Women Of The World

**Mondays**, beginning August 1st, 0101: **With Great Pleasure** is a four-part 45-minute series featuring the personal poetry and prose selections of four women of note. American singer, actress, and writer Marsha Hunt reads her choices from Tennessee Williams, Khalil Gibran, and others on August 8th. Repeated Mondays 1515.

**Mondays**, beginning August 1st, 0445: **Mothers And Daughters** is a six-part 15-minute series exploring the relationships between mothers and daughters on five continents. The programs chart the social and political changes these women have experienced, and how these changes have impacted on their lives and aspirations. First airing Sundays 2015; also repeated Mondays 0915.

**Wednesdays**, beginning August 10th, 1235: **Women At The Top** is a seven-part 10-minute series profiling women who have broken through the traditional barriers of a male-dominated world to take a leading role in their endeavors. Barbara Mills, Britain's

Director of Public Prosecutions, and General Eva Burrows of the Salvation Army are among those profiled. First airing Mondays 1635; also repeated Tuesdays 0750.

**Mondays**, beginning August 22nd, 0145: **March Of The Women** is a six-part 15-minute series of short portraits of female musicians who for centuries have challenged the male musical domain. The first program looks at the 12th century German abbess Hildegard of Bingen, who wrote more than 70 pieces of music only now receiving critical attention. The second program looks at Faurina Bordoni and Francesca Cuzzoni, two Italian singers prominent even though the Pope banned the appearance of women on stage. First airing Sundays 0715; also repeated Tuesdays 1445.

### News and Features

**Thursdays**, 0330: **Banking On The Poor** is a six-part 30-minute series looking at two of the world's most important international financial institutions: the World Bank and the International Monetary Fund, better known as the IMF. The program looks at a single country per program, exploring how the World Bank and IMF have affected life and politics. India, Mexico, and Poland are featured, respectively, on August 11th, 18th, and 25th. First airing Wednesdays 2030; repeated Thursdays 0630 and 1001.

**Sundays**, beginning August 14th, 0230: **Media Magnates** is a three-part 30-minute series profiling three of the most important CEOs in media: Rupert Murdoch, Conrad Black, and Ted Turner. Nowadays these three individuals control a significant share of newspaper, radio, and television companies. Also repeated Sundays 1615 and Wednesdays 2215.

**Sunday**, August 21st, 2330: **Through The Barricades** is a single 30-minute program looking at the range of groups that have attempted to cross the religious and political divide between Northern Ireland and the Irish republic in the twenty-five years following the movement of British troops into Northern Ireland. First airing Sunday 1401, repeated Monday 0630 and 1001.

Saturdays, beginning August 13th, 0230: **Power And Disorder** is a three-part 30-minute series looking at the post-Cold War world from the perspectives of the USA, Japan, and Europe. This "new world order" is a lot more disorderly than anyone had foreseen. The series looks how and why the global roles of these three players are changing and considers where international power now lies. First airing Fridays 2215; repeated Saturdays 0730.

#### Drama and the Arts

Sundays, 0101: **Play Of The Week** highlights include 'Night Mother (August 14th), Marsha Norman's play telling the sad and searingly powerful story of Jessie Cates, an epileptic woman in her early 40s. Having lived an unfulfilled life, Jessie decides to kill herself. Can Jessie's mother, Thelma, persuade her daughter that life is too precious to destroy? Sharon Gless plays Jessie, and Katherine Helmond (Jessica in the ABC '70s sitcom *Soap*) plays Thelma. Against **The Wind** (August 21st, starting at 0030) is based on the true story of Hannah Snell, an 18th-century heroine who disguised herself as a man to enter the British navy in order to track down her husband, who ran off to sea. The experience of battle scarred Hannah and, upon leaving the navy, she resorted to peddling her story to any group of interested onlookers, ending up in a madhouse. **Persona** (August 28th) is extracts from the novels of Canadian writer Margaret Laurence. Five disparate women are brought to life by Sandra Duncan in a solo performance, demonstrating her own versatility, along with the versatility of radio as a dramatic medium. **Play Of The Week** is repeated at 1201 and 1901, starting 30 minutes earlier on the 21st.

#### Music

Various days, beginning at 1830 (with one exception): **Proms '94** continue. Highlights

include Britten's *Sinfonia da Requiem* and Beethoven's *Third Symphony (Eroica)* by the London Philharmonic on the 13th; Mozart's *Mass in C Minor* at 1901 on the 17th; Schoenberg's *Five Orchestral Pieces*, first conducted by Henry Wood at the Proms of 1912, on the 19th (the 50th anniversary of Wood's death); Hugh Wood's *Cello Concerto* and Strauss' tone poem *Don Juan* on the 31st.

Saturdays, beginning August 20th, 2330: **The Sounds of South Africa** is a six-part 30-minute series surveying the rich patchwork that makes up South Africa's musical heritage. Classical, jazz, folk, and pop music all are indigenous to the country. The current state of South African music given the new unity brought about by the majority government is examined. Repeated Tuesdays 1030, and Fridays 1715.

#### Light Entertainment

Thursdays, beginning August 18th, 2330: **Game, Set And Match** is a new six-part 30-minute quiz series on sports. Panelists are tested on their own sports and have to identify unusual or embarrassing moments from sound recordings. First airing Wednesdays 1530; also repeated Thursdays 1030.

#### And finally...

I hope your summer finds you well and enjoying some time outside of the shack. Savor this weather...we in the Northeast will wish we could have bottled and stored this weather to help us through (ugh) winter!

Until next month,

73 DE Richard



# Latin Destinations

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**H**ola amigos! Bienvenidos to another Latin Destinations. This month's column will be a potpourri of tidbits, mostly from Peru.

In several past columns I've wrote about some "radios populares", or grassroots community development stations. These include religious stations such as Radio Quillabamba and Radio Maranon in Peru, community stations like Mexico's Radio Huayacocotla, and Bolivia's miners' stations, among others. Such stations are one of the fastest growing means of mass communication in Latin America, especially for broadcasting to the rural areas and urban slums. In many areas of Latin America, these stations outpoll commercial radio stations in listenership surveys. ALER, the umbrella organization for these broadcasters, recently held its annual convention in Quito. ALER has decided to create a Latin America-wide network which will provide technical help to community stations in the region and set up a satellite program-feed system to provide local members with general educational programming for local rebroadcast. It will be several years before these new services are set up and working, but it will probably mean higher technical and programming standards at the member stations.

## RADIO FOR WOMEN

In Peru, a new commercial radio network is to start up before the end of the year. What makes this network exceptional, is that it will be run by Peruvian feminists and the programming will be aimed at women of all social classes, both at home and at work. In addition to regular entertainment programming, the new network will address issues such as domestic and workplace violence against women, support women political candidates, and broadcast educational and family oriented programs. The Peruvian womens' movement has become a model for such groups in Third World countries in its efforts to change

attitudes towards the role of women. For example, in the early '80s almost all Peruvians surveyed (men and women) thought that it was perfectly normal and acceptable for men to beat their wives or girlfriends (which, of course, is not the same as saying that almost all men did it). Then the Peruvian womens' group was formed and produced a syndicated radio program and a magazine on womens' issues. On other fronts, they did television and radio interviews, distributed pamphlets, put up posters, held talks around the country, etc. Today, only 20% of Peruvians think that it is acceptable for a man to beat a woman.

It's difficult to describe the roles of men and women in Latin American society. For one thing, everything is changing in today's world. Every country is different and within every country there are differences between urban and rural areas and between social classes. Sex roles in Latin America are heavily influenced by the traditional sense of machismo, which, like anything else, has its good and bad points. On the one hand, for example, men woo women with sweet talk that no North American man can ever match. If you're a "gringa" and want to be really romanced, head south and find a Latin American boyfriend. But on the other hand, in some areas and in some social circumstances, the uglier aspects of 'machismo' are still found. For example, the high school I worked at in Honduras had a written policy that all female students had to be virgins. Not only did that mean that women students couldn't be married, but when one girl was violently raped she was immediately kicked out of school.

In another story, a female Peace Corps friend of mine who worked in a village about an hour from Santa Barbara was once asked to escort a 17 year-old girl on the van-bus to Santa Barbara and then to her aunt & uncle's house. The girl had only been to town a few times in her life, and then always in the company of older relatives. When they arrived

in Santa Barbara, my friend took the girl to the best restaurant in town (about 1/10 stars) and bought her a hamburger, softdrink, and ice cream. The girl had never eaten in a restaurant before and when her boyfriend found out he was furious. She was no longer as innocent as she had once been, so he slapped her up and broke off their engagement. A student in my school, he was from a family with a bit of money and was known to spend his weekend evenings in bars drinking with his buddies. Now Honduras is not Saudi Arabia, and many women do eat (and work) in restaurants. But out in the villages there are a lot of men who try to keep every vestige of the modern world from their women. When I think back on things like these that I saw and heard of in Honduras, I wish the women of Peru all the success in the world for their new network.

## NOTES ABOUT PERU

Otherwise in Peru, the disintegrating Sendero Luminoso guerilla movement continues to be pushed back and some independent sources are predicting that they will be fully defeated within another year. Much of the main Sendero stronghold surrounding the town of Tingo Maria has been retaken by the army, and the government totally controls the highway to Tingo Maria for the first time in years. Tingo Maria had previously been a government-held island in a Sendero sea. The town, of course, is the location of Radio Tingo Maria, sometimes active on 4760 kHz.

Economic figures are usually pretty boring stuff to most of us, including me. However, recent ones from Peru make interesting reading. After being the 'sick man' of Latin America just a few years ago, Peru now has the most dynamic economy in the region. Economic growth for the first part of this year was more than double the most optimistic predictions by the experts. What does this mean to DXers? Running shortwave transmitters takes money, and if there is more money around it is more likely that stations are going to reactivate inactive frequencies and keep active ones on the air. President Fujimori will be up for reelection early next year. Fujimori was elected in 1990 as an independent candidate, and what is interesting is that Peruvians continue to be disenchanting with traditional political

parties. Two of the three main opposition candidates, including former UN Secretary General Perez de Cuellar, are running as independents. We'll alert you when the election draws near. Peruvian stations will surely be inundated with political ads and live political rallies. They may not make interesting listening, but such things make good reception report details.

## WATCH YOUR SPANISH!

In writing to Latin American stations it is always important to use Spanish or Portuguese, as the case may be. If you know these languages well, that's great. If not, you may well make a fool of yourself if you are not careful. I was reminded of this point by an article in AMERICAN DEMOGRAPHICS magazine about mistranslated advertising slogans of American businesses. For example, Braniff airlines translated its slogan "Fly in leather," (promoting its upholstery) into Spanish as "Fly naked." Coors brewery's slogan "Turn it loose" came out in Spanish as "Suffer from diarrhea." While in English the Frank Perdue chicken company said "It takes a tough man to make a tender chicken," in Spanish they claimed "It takes a sexually stimulated man to make a chicken affectionate." I don't want to be too critical - I've made mistakes of this nature myself. My favorite gaff happened during my first few weeks in Honduras. I wanted to tell some Honduran friends that something had embarrassed me, but instead I announced that I was pregnant. At least they knew better than to believe me!

What's the solution? First, a good reception report guide such as the Spanish and Portuguese editions of "Language Lab" for your foreign language reports. Secondly, if you do know some Spanish and are adding some lines of your own to your report, be very careful with any words you take out of a translation dictionary. After looking up a word in English and picking out a Spanish word to use, always then look up the Spanish word to see if it has any other meanings or usages. And never try to translate slang expressions from one language to another, as Coors did!

That's it for this time. Hasta luego! Don

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# DX Target



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## Radio Dniester International The Voice of the Moldavian Republic of Pridnestrovie

By Richard A. D'Angelo

No other broadcast communications medium provides better coverage of world events or politics than shortwave radio. As shortwave listeners, we are familiar with slanted news coverage and biased political commentaries that often emanate from shortwave broadcasters telling a government's story. During the cold war, propaganda broadcasts were a staple of shortwave broadcasting. Generally, these transmissions are designed to achieve specific political aims. Although the last decade has seen the emergence of numerous religious broadcasters on shortwave, the medium has historically set the stage for worldwide political commentary and international affairs. On a daily basis, we have an opportunity to listen directly as governments explain their actions on various issues. For decades, shortwave broadcasting has been used by legitimate governments, and by those that are seeking to become legitimate governments, to transmit political messages across the airwaves. The political nature of shortwave broadcasting becomes significantly more interesting when examining the broadcasting activities of dissident groups or organizations opposed to the current government in a particular country. This DX Target is about one such broadcaster in the Moldavian Republic of Pridnestrovie.

### The Country

Pridnestrovie is in the eastern part of Moldova. Prior to the collapse of the former Soviet Union, it was a part of the Moldavian Soviet Socialist Republic. Moldova is located in south-central Europe. It covers about 13,000 square miles, or 33,700 square kilometers, with a population of approximately 4.5 million people. The capital city is Chisinau, which was known as Kishinev when the country was part of the Soviet Union.

After the 1990 break up of the former Soviet Union, some of the republics have faced serious ethnic problems. The Republic of Moldova was no exception. Ethnic problems divided this small country with a multinational population. Consequently, a civil war ensued with the Moldavian Republic of Pridnestrovie proclaiming human rights to be above ethnic rights. This resulted in a proclamation of the independent Pridnestrovian Republic on September 2, 1990 in an effort to provide equal rights for all nationalities. During the summer of 1992, Moldova used military force in an effort to suppress the young republic. Although the military effort failed, Moldova has maintained ideological pressure and tries to block information about the Pridnestrovian Republic. Radio Dniester International plays an important role in getting information about the new republic's struggle into Europe and North America.

### The Government

Political power in Moldova is divided between the president, Parliament, and the Council of Ministers. The country's largest political party is the Moldovan Popular Front which supports reunification of Moldova with Romania. The National Alliance for Independence supports independent statehood. The Joint Council of Work Cooperatives is the major political force in an industrial region on the east bank of the Dniestr River in eastern Moldova. Many of the people in this region, called Trans-Dniestr, are of Russian or Ukrainian descent and oppose union with Romania.

### History

The history of Moldova helps explain the role of Radio Dniester International and the underlying reasons for trying to establish a

VERIFICATION CERTIFICATE

Radio station: RADIO DNIESTER INTERNATIONAL;  
Transmitting from: Griqoriopol transmitters, Moldavian Republic of  
PRIDNESTROVIE;

Power: 250 Kwatts;  
Frequency: 999 khz. 9620 khz;  
Time, date: 2/25 s/on to 2/25 s/off hrs.UTC, 6 C3 1994;



We confirm with pleasure your listening report. THANK YOU !

A. Komar

/ CHIEF EDITOR /

separate Pridnestrovian Republic. Way back in 1856, the Treaty of Paris gave Southern Bessarabia to the Principality of Moldavia following Russia's defeat in that war. In 1861, Moldavia united with the Principality of Walachia to form the new nation of Romania. After World War I, all of Bessarabia became part of Romania. The Soviet Union refused to recognize Bessarabia's unification with Romania. In 1924, the Soviets established the Moldavian Autonomous Soviet Socialist Republic ("A.S.S.R.") in the Trans-Dnestr region. In 1940, during World War II, the Soviet Union seized Bessarabia and merged most of it with part of the Moldavian A.S.S.R. to form the Moldavia Soviet Socialist Republic.

In 1990, the Moldavian legislature declared that its laws took precedence over those of the Soviet Union. Moldavia also changed its name to Moldova. By 1991, Moldova and 10 other former republics of the Soviet Union formed the Commonwealth of Independent States ("CIS") after which the Soviet Union was dissolved.

Because Moldova shares Romania's language, history, and culture, its leaders began restoring many of the country's ties to Romania. They reintroduced Romanian history and sent thousands of Moldovans to study in Romanian schools. Also during 1990, the Gagauz people in southern Moldova and Russians and Ukrainians in the Trans-Dnestr region announced that they were forming an independent state. In March 1992, fighting between ethnic Moldovans and separatists in the Trans-Dnestr region broke out. As in most political struggles, radio plays an important role in disseminating news and information about the conflict. It is here that Radio Dniester International becomes an important communications vehicle in the struggle.

### The People

Moldova is the most densely populated of all the former Soviet Republics. About two-thirds of the people are ethnic Moldovans. Most of the rest of the population is made up of Russians; Ukrainians; Gagauz, a Turkic people; and Bulgarians. More than half of the people of Moldova live in rural areas, clustered

in Villages. Most of these people work as farmers.

The country's official language is Romanian. The Moldovans used the Roman alphabet in writing their language. Under the Soviet rule, they were forced to adopt the Cyrillic alphabet which is used to write the Russian language. In 1989, the republic's parliament ordered a return to the Roman alphabet.

## The Station

Radio Dniester International began broadcasting on shortwave and medium wave in March 1993. The station was created to tell European and American audiences about the situation in Pridnestrovie as seen from their viewpoint. According to information received from the station, "The main goal of our radio station is to spread as much information as possible about our young republic, our proud, independent and free people which has paid with thousands of human lives for its freedom." The recognition of the Moldavian Republic of Pridnestrovie is their stated main purpose which makes this station a clandestine broadcaster.

RADIO DNIESTER INTERNATIONAL  
25th OCTOBER STREET, 45  
TIRASPOL TRANSNISTRIA  
CIS 278000

Currently, the station broadcasts in English on Monday, Wednesday and Saturday from 2030 to 2100 UTC on 9,620 kHz and 999 kHz with a repeat broadcast of the previous day's program on Tuesday, Thursday and Sunday. A German language program is transmitted on Wednesday and Saturday from 2000-2030 UTC. After summer time ends, the station's

programs will be broadcasted one hour later. The station suffers severe jamming from the Republic of Moldova. As a result of the jamming activities, signal quality on medium wave is very poor.

The station had become a reasonably good verifier of listener reception reports. In replying to listeners, the station indicates they are transmitting from a 250 kilowatt transmitter in Grigoriopol in the Moldavian Republic of Pridnestrovie. Under the club's current country list and station counting rules, Radio Dniester International would count as Moldova. If the Moldavian Republic of Pridnestrovie achieves significant international recognition as an independent country, presumably country lists would be revised to reflect that change. In either case, shortwave listeners have a unique opportunity to listen, log and verify a rare shortwave broadcast country that is making history. English language reports with return postage can be sent to the Chief Editor, A. Komar at:

Radio Dniester International  
45, 25th October str.  
Tiraspol, Pridnestrovie  
278000 CIS

## Conclusion

From a DXer's point of view, Radio Dniester International has a lot to offer. It is a relatively new station broadcasting from a rarely reported DX country. Also, it is an exciting new broadcaster carrying its political message of separation from the rest of Moldova to the world in English. It is here where the DXer and the casual listener have a lot in common.

Good luck DXing Radio Dniester International. Remember to send all loggings of the station to Wallace Treibel for inclusion in the Log Report and those exciting Moldova QSL's to Sam Barto for his QSL Report column.

# Listener's Library

T. J. "Skip" Arey WB2GHA  
P.O. Box 644  
Waterford Works, NJ 08089  
America Online: TJAREY  
Internet: TJAREY@AOL.COM

I've always been big on learning by doing. Getting into an issue and getting your hands dirty is a great way to push the learning envelope. Learning about electronics can vastly enhance a person's enjoyment of the shortwave hobby. Even if you never get the urge to lift the lid on your receiver, knowing what is going on inside of that magic box can be mighty useful when repair or replacement time comes around.

Tab Books has a new series of books out that appear under the collective name of the TAB MASTERING ELECTRONICS SERIES. These books are designed to give the reader the opportunity to learn electronic theory by performing experiments and constructing projects. Not quite "On The Job Training", but the next best thing. Beginners and even seasoned radio hobbyists without formal electronics training can develop a serious degree of expertise by working their way through these volumes. With cover prices less than \$20.00, you will be hard pressed to find a more reasonably priced learning resource.

Two recent additions to this series were written by well known communications author Joe Carr. Joe has always been billed as an electrical engineer, technician and ham radio operator. With his entries in the Mastering Electronics series, he can also call himself an educator.

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## MASTERING RADIO FREQUENCY CIRCUITS THROUGH PROJECTS AND EXPERIMENTS

*Joseph J. Carr*

*411 Pages*

*\$19.95*

*Tab Books*

*Blue Ridge Summit, PA 17294*

*ISBN 0-07-011065-4*

The goings on between DC and daylight are incredible. More incredible is the fact that you can take a handful of cheap components that can

be found in any electronics store, connect them together, and you can participate in the world between DC and daylight. The trick is knowing which components to wire up and how to do the wiring. Mastering Radio Frequency Circuits will get you well down the road to constructing your own RF goodies.

After an introduction to radio frequencies, Joe jumps right in with a chapter on RF components and construction. Putting a few words about construction techniques up front is an important difference from many other works in this field. Many neophyte radio hobbyists have been frustrated because they had no fundamental training in putting a radio circuit together. One glob of solder in the wrong place can ruin hours or days of work and can be a royal terror to track down. Joe follows this chapter with a section on test equipment a hobbyist would want to gather to begin to play with radio in earnest. This section even includes a few potential projects in the form of various RF wattmeters.

The next several chapters cover the care and feeding of the various components you are likely to run across. Here you will get a good understanding of inductors, capacitors and how they come together to make radio work. If you're like me, you will digest these sections in short order to get to the first really neat project in the book. Chapter 8 takes you through the construction of a simple VLF receiver. Just the thing to get Bill Oliver more customers for the Longwave Club of America. Next comes a chapter on design and construction of preselector and preamplifier circuits that can help you breathe new life into any low cost receiver you have hanging around the shack.

As you move on through the learning experience you will get the opportunity to construct a common test chassis that will allow you to develop dozens of projects without the time and expense of reinventing the wheel with each experiment. This common test chassis will take you through the process of constructing several direct conversion receivers. If you're also interested in transmitting as well as receiving,

several chapters will take you through the construction of VFO circuits.

From time to time, we have all had difficulty with interference from strong signals that play heck with our listening pleasure. Joe treats us to a series of projects on RF filters and wavetraps that will reduce most common types of interference.

The book closes out with a bunch of great test equipment projects. Have you priced a spectrum analyzer lately? Joe shows us how to put together a low cost substitute along with several other great pieces of gear just waiting to go to work on your test bench.

Mastering Radio Frequency Circuits is just the book to get you started in electronics experimentation. It's really not that far from a simple direct conversion receiver to the high dollar communications receivers once you learn the fundamentals.

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#### **MASTERING OSCILLATOR CIRCUITS THROUGH PROJECTS AND EXPERIMENTS**

*Joseph J. Carr*

*298 Pages*

*\$17.95*

*Tab Books*

*Blue Ridge Summit, PA 17294*

*ISBN: 0-8306-4066-5*

No, you're not seeing double. Joe has yet another book out. This text, another in the Mastering Electronics Series, gets down and dirty with oscillators, the basic circuits used to generate signals. As such, it serves as a great text for further learning once you have devoured Mastering Radio Frequency Circuits. The format is similar to the above book as well. Joe takes you through the world of oscillators one design at a time. While doing this, you will get a handle on such diverse topics as power supply construction, transistors and integrated circuits. Along the way you will get to play with relaxation oscillators, (remember those "turkey gobbler" noise makers that were the height of chic during the CB craze?), various RF oscillators as well as the venerable 555 IC timer device. You will again review VFO circuit design as well as creating high stability crystal oscillators. Lots of profusely illustrated fun for the dedicated experimenter.

Curiously enough, what sets this book apart and makes it an important addition to any radio hobbyist's library is its appendix entitled Electrical Safety in the Electronics Workshop. I have never seen a more practical study of shock hazards. Before you go poking around inside any electrical devices, you would do well to read this chapter.

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#### **THE SHORTWAVE LISTENER'S Q AND A BOOK**

*by*

*Anita Louis McCormick*

*142 pages*

*\$12.95*

*Tab Books*

*Blue Ridge Summit, PA 17294*

*ISBN 0-07-044774-8*

In my capacity as Beginner's Corner columnist for Monitoring Times magazine, I am always on the look out for short and simple introductory books to hook people into our hobby. You may recall that Anita wrote a great beginner's book for Tab about a year ago called Shortwave Radio Listening for Beginners. That book has sold very well and, no doubt, prompted this her latest creation.

The trick to writing for beginners is remembering that they are, in fact, beginners. No question is silly and no answer can be made too simple. What Anita has done with this new work is to move information down further to folks who have no idea what radio is all about. This is the kind of book you would share with a friend or co-worker who has expressed mild curiosity about the world around them or who might have wandered through your listening post one evening. Explaining our hobby to the uninitiated is not always an easy task. It may be simpler to hand someone a book such as this and let them run with it for a while. This would also be a good book to hand out to long suffering significant others who just want to know what you do down in the basement late at night.

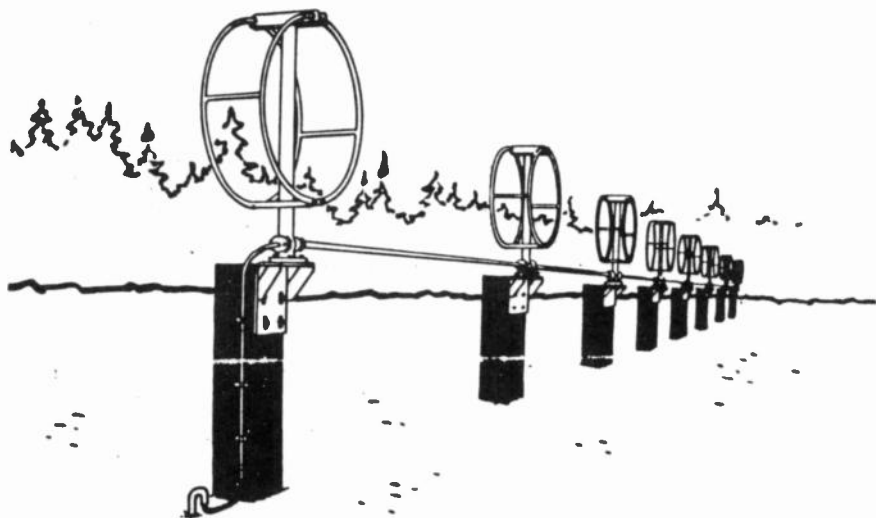
The book does seem to redevelop some of the themes that Anita wrote about in her first SW book. This is not necessarily a bad thing because beginners do benefit from repetitive learning. If your trying to get someone interested in the radio hobby, Anita's latest book might be a good investment.

## The Hermes Loop Array

The antenna system described in this month's column is in use at the CBC monitoring station in Ontario. Hermes Electronics Limited of Dartmouth, Nova Scotia developed and sells the system. The antenna combines the outputs of a number of individual loop antennas to cause signals arriving from the favored direction to add at the receiver input. Signal energy arriving from the opposite direction adds at the opposite end of the feedline. Here a dummy load dissipates the energy. The natural figure 8 characteristic response of loop antennas

minimizes side response. The result is an active traveling wave antenna with directional characteristics similar to a Beverage but requiring much less real estate for equivalent performance.

Figure 1 shows an eight loop array. Rigid, air-dielectric, coax feedline connects the loops. Air dielectric coax ensures that the waves traveling in the coax are propagating at the same speed as the waves in the air. The speed of the waves in a solid dielectric coax would only be 70 to 85% of the free space



**Figure 1** An 8 loop Hermes Array performs like a much larger Beverage antenna saving land costs



speed. As the wave traveled in the direction of the receiver, the voltage induced in successive loops would soon be out of phase with the wave in the feedline. The result would be partial cancellation and loss of gain.

An eight loop array with 13 foot spacing between loops exhibits gain beginning at 5dB at 2 MHz rising to 14 dB at 30 MHz. The 3dB azimuth beamwidth decreases with rising frequency. Beamwidth is 86 degrees at 5MHz narrowing to 54 degrees at 30 MHz. Thus a single array of this type aimed due east from North America would cover most of Europe and northern Africa while attenuating noise and interference arriving from North America or South America.

The elevation pattern is very broad. The pattern is relatively constant from the horizon up to 80 degrees at 5 MHz and 30 degrees at 30 MHz. At these angles the pattern is down 3 dB. The high angle response may provide some advantage at sunrise and sunset when angles of arrival tend to be higher than normal.

Ordinarily a good DX receiving antenna should discriminate against signals arriving from high angles because waves arriving from both low and high angles have traveled different distances. The waves add at times and cancel at other times because the phase relationship between the waves is constantly changing as the ionosphere rises and falls.

An array of this type needs only 30 meters (110 feet) of linear real estate. Increasing the spacing to 26 feet between loops would increase the gain at low frequencies while narrowing the beamwidth. The relatively short length represents a vast reduction in land requirements compared to a Beverage type antenna with equivalent performance. A Beverage at 2 MHz would be a minimum of 2 wavelengths long (300 meters) or 10 times the length of the loop array.

Lets see how the array works. Figure 2 shows the Hermes Loop Array in schematic form. The desired signal arrives from the left and induces a voltage in the first loop. An amplifier boosts the signal and sends it to the feedline.

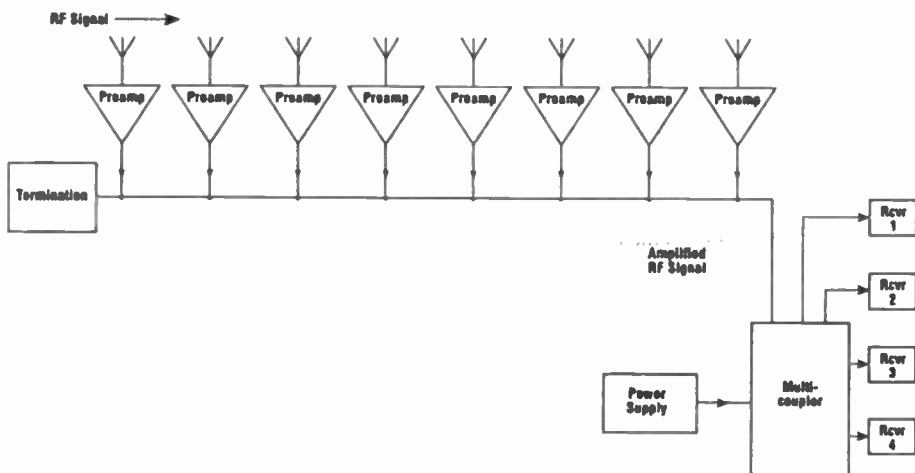


Figure 2 Hermes Loop Array schematic illustrates antenna operation

The signal divides at the feedline. Half the energy goes to the right, half to the left. The 50 ohm resistive termination dissipates the energy that went to the left. The energy that went to the right travels toward the receiver until it reaches the place where the output of the second amplifier connects to the feedline. At the same time the second loop has a voltage induced across its terminals by the advancing RF wave in space. After amplification by the second amplifier, the signal arrives at the feedline. The termination absorbs the half of the energy that goes to the left. The other half adds in phase with the energy from the first loop and continues toward the receiver. Now you see why the speed of the wave in the feedline must be the same as in free space. If the wave was slower, it would arrive at the junction late and fail to reinforce the energy from the second loop.

Signal components from each loop are coherently related to each other. The desired signals precisely add to each other as the wave propagates toward the receiver. Noise components generated in the preamplifiers are randomly related and so they do not add coherently. If you double the number of loops, the effective signal to noise ratio theoretically increases by 3 dB. In practice, most noise sources are external to the antenna system. No improvement occurs unless the noise source is in an unfavored direction.

This process of reinforcement continues as the wave travels to the right. Eventually the combined energy from each of the eight loops arrives at the receiver.

A wave traveling from the right will induce a voltage first in loop 8. The energy will divide at the output of the preamp. Half will go toward the receiver and half toward the termination where it dissipates as heat. The half going to the receiver will combine with energy from the previous cycle that was induced in loop 7 in such a way as to partially cancel at the feedline junction. Thus, waves arriving from the right will not be reinforced. Depending on the frequency and spacing between loops, the resultant output to the receiver can actually be less than the output of a single loop.

Reversing the location of the feed and the terminating resistor will reverse the direction of favored reception.

The Hermes Loop should theoretically be capable of duplication by a technically oriented SWL. In practice there are several design challenges which may be beyond the home constructor's capability. The preamplifiers must have constant, stable gain from 2 MHz to 30 MHz. Outdoor temperature excursions and sun loading complicate design stability. Controlling amplifier phase shift over a wide range of temperatures is difficult but very necessary in this design. In addition, the individual loops should be balanced with respect to ground while exhibiting immunity to nearby lightning strikes. The termination resistance and the coax feedline must have identical impedances to avoid reflections that would degrade the front-to-back directivity ratio.

Compared to laying out a Beverage antenna, the Hermes Loop Array is much more complex. So if you have the land, the Beverage is probably a better choice. If you are looking for an antenna that might fit on a reasonably sized piece of suburban real estate, the Hermes Loop Array could be the answer. You can always endear yourself to your neighbors by saying that you are training the stray neighborhood cats and dogs to jump through the loops in preparation for selling them to the circus.

If you want to price out a commercial Hermes Loop Array, their address is Hermes Electronics Limited, PO Box 1005, Dartmouth, Nova Scotia, Canada B2Y 4A1. Their voice phone number is (902) 466-7491. Send FAX messages to (902) 463-6098. Tell them NASWA sent you.

Thanks again to Denis Casey of the CBC monitoring station for providing the source material used to prepare this article.

Until next time, stay tuned.

# Feature Article

Please submit all contributions to:

**Bob Brown KW3F**

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Lansdale, PA 19446

CompuServe 74756.1557

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## HCJB Radio

By Brian Bouldent

One of the first things that a Shortwave Radio Listener hears is HCJB radio out of Ecuador. Known as "The Voice of the Andes" HCJB for more than 62 years has established themselves as one of the premiere radio stations in the world. HCJB is the international radio voice of World Radio Missionary Fellowship Inc., an interdenominational faith mission dedicated to spreading the gospel of Jesus Christ around the world. A faith mission denotes a mission agency not underwritten by any denomination, in which each missionary raises their own support.

Although HCJB is a Christian radio station, there is also an abundance of programming covering life in South America, Ham and Shortwave Radio. Its music and news programs are the finest in Latin America. The DX-Party line has been on the air for more than 30 years providing shortwave radio listeners with up to date news for radio hobbyists. According to listener response in Oct. 1993, the three top programs produced at "DX Partyline", "Saludos Amigos" and "Studio Nine." The English Language Service in 1993 received 12,188 letters and reception reports from listeners around the world. Most of these came from the United States and United Kingdom.

### GENESIS OF HCJB

Christmas Day 1931, HCJB celebrated both the birth of Christ and its own birth. Cofounders Clarence Jones and Reuben Larson carried through on their dream to broadcast the Word of God around the world. It was the first Christian missionary radio station in the world.

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† 480 Pacific Avenue Fairfield, California 94533-2130  
CompuServe: 72623,313 or INTERNET: 72623.313@compuserve.com  
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### TECHNICAL

HCJB's shortwave studio facilities are located on the "compound" in Quito, the capital of Ecuador. There are 12 control rooms, of which three are equipped for stereo operation. The programs are broadcasted via tape from an automated central control, sending out up to eight programs simultaneously via microwave to the transmitters in Pifo.

Pifo, 15 miles east of Quito, is the site of all HCJB's shortwave transmitters and antennas. Of the 12 transmitters HCJB has in Pifo, eight were built by missionaries at the HCJB Engineering Center in Elkhart, Indiana. In addition 30 shortwave antennas are located in Pifo. They include 25 curtain arrays, one reversible cardioid array, one dipole array, 2 lazy-H antennas, one rhombic antenna, a steerable-beam reflector antenna and a 24-element quad antenna.

The Pifo transmitters are just for shortwave to the major languages HCJB broadcast to air, such as Russian, Portuguese, French, English, Spanish, Quechua, Swedish, German, Uzbek, Slovak, Czech, Ukrainian, Japanese. Meanwhile AM and FM transmitters on Mount Pichincha that air to Quito, and a series of 6 repeaters around the country for these local broadcasts. There are local stations in Europe, Africa among others that air local programs in native languages, such as Tatar (Central Asia), Kikongo (Africa).

Power for the Pifo site is supplied by HCJB's Hydroelectric plant at the headwaters of the Amazon River, 40 miles east of Quito, across the continental divide. A power line, consisting of four wires, runs the 25 miles between Pifo and the hydro plant through altitudes up to 14,000 feet. The first hydroelectric plant was originally built in 1911 and put to use at HCJB in 1965. A new plant was put into operation in November 1982. At full power the plant can put out six million watts of power.

Planned to begin in mid-1994 is ALAS, the first Spanish evangelical satellite network that will cover Latin America. HCJB and Trans World Radio jointly will obtain time on INTELSAT 6 ALAS which stand for "Latin America via satellite" is also the Spanish word for "wings." Uplink equipment in Quito and at TWR's site on Bonaire will be used to send programs and other information to the satellite. Whereas Downlink equipment will enable affiliates to receive programs and other information from the satellite. This project could be the most important development in HCJB World Radio since Clarence Jones founded it in 1931.

## SERVICE OPPORTUNITIES

HCJB World Radio has men and woman working at locations throughout the world, not just in Ecuador. Although most of service positions exist within Ecuador, other locations exist. Panama, South Texas and Colorado Springs USA. In total there are offices in 23 countries' world wide.

Four different categories of service are available for HCJB staff, Regular Membership, Summer Missions, Special Assignments and Working Visitor (short term).

Regular Membership is for a minimum of three years. The Special Assignment missionaries are assigned to specific tasks or projects from three to 30 months. College age young people with skills in radio, medicine, music, etc. can join up for the summer on a ten-week stay as part of the Summer Mission.

HCJB has also established the Working Visitor Program. This program, generally one to three months, exists to meet HCJB's short-term personnel needs.

## MORE THAN RADIO

HCJB is more than just a missionary radio station. In addition HCJB operates AM & FM stations throughout Ecuador. Cooperating ministries include Radio HOXO in Panama and World Radio Network, a chain of stations along the Mexican-United States border.

In Ecuador, HCJB reaches physical and spiritual needs through two fully-equipped hospitals, medical training, mobile medical clinics, community development and medical research. Hospital Vozandes in Quito has 75 beds, while 35 beds are currently at a Hospital Vozandes-Shell in the Amazon basin.

## THE COMMITMENT

"We are committed to provide every man, woman and child on earth the opportunity to turn on their radios and hear the gospel of Jesus Christ in a language they can understand so they can become followers of Christ and responsible members of His church. We plan to complete this task by the year 2000."

With that goal in mind, four broadcasters have cooperated since 1985 and pledged to provide the gospel to all peoples. HCJB World Radio, Far East Broadcasting Company, Trans World Radio and SIM have worked together to accomplish this almost impossible goal. At a June 1993 meeting in Colorado Springs it was announced that 844 million people in language groups of one million or more have no Christian radio. Of the 176 target languages, 103 may not understand broadcasts in a secondary language. Many Islam, Hindu and Buddhist people, who are among the poorest people on earth, and are completely beyond the reach of traditional missionaries.

HCJB has always been there to help assist the shortwave listener. They call themselves friends who care, and it shows. John Beck, Director of International Broadcasting says, "I believe the main reason is that we are trying to be more than a voice, but friends who care. Our expressed purpose is introducing our listening friends to the friend of friends, Jesus Christ. We don't always succeed. Sometimes we fail miserably to accurately represent Christ's character in our programming and daily lives. But we continue trying because the consequences of what people do regarding Jesus Christ are eternal."

HCJB has been a friend to many around the world for over 60 years. It's original mission has not altered during those years. It has given much to the people of Ecuador, through its missionary work in radio, hospitals and schools. There is much to be proud of at HCJB and the future will surely be as exciting.

... "Their sound went into all the Earth, and their words unto the ends of the world" Romans 10: 18

(Note: Thanks to Karen Schmidt of HCJB whose help was immeasurable.)

# NASWA Portraits

Jerry Klinck  
43 Lein Road  
West Seneca, NY 14224



Welcome to a summer version of the Portraits column. What makes summer versions different from those during other seasons of the year, you ask? Absolutely nothing. Other than the fact that, in order to write this, I am tearing myself away from climbing around on antenna masts rather than actual DXing. Anyway, that said, off we go to beautiful, downtown Elma, NY, just a hitch and a bob down the road from here, and a visit with another lovely NASWA - Anne Fanelli.

"It all started in a 5,000 watt radio station in Fresno, CA... no, no wrong life. Actually, I first fell in love with radio the summer I was 11, while living in Queens, NY. Why does an interest in radio so often coincide with adolescence?? Anyway, one night, while listening to my parents 6-transistor radio ( remember when the relative quality of a radio was measured by how many transistors it had ? ), miracle of miracles - I was able to hear WKBW, 1520 AM, in Buffalo, NY! For me, this was big DX, although I didn't know then that that was the term for the bug that had bitten me. The following winter was spent listening for far off signals from such exotic locales as Boston, Fort Wayne and Milwaukee. Bowing to the inevitable, my folks, spending more than they should've, gave me for my 13th birthday what is now known as a 'pocket radio'; analog readout, notch and no BFO but it had the SW broadcast bands from 49 thru 25 meters and the ham bands too. There was much Quacking from SSB even then, but there were still enough folks on 75 meter AM to entrance me. Didn't know any hams, though, and my head was too hard to learn the code on my own so I enjoyed several incarnations as an SWL. We lived in apartments so antennas were always a hassle but I went through, and enjoyed, a number of Radio Shack receivers and, from time to time, I'd visit Lafayette Radio in Jamaica, NY, to fog up the glass in front of equipment I couldn't afford, like everyone else.

"In the fullness of time, I met and married Mike, the greatest guy in the world despite the fact that he's NOT a radio junkie, and we had three

children. When Patrick, our youngest, was 2, I finally took the plunge into amateur radio and that's been all-absorbing for a few years. CW traffic-handling began to take up more of my time than I had to spare and I found myself drifting, as it were, back into SWLing and enjoying it more than ever. The changes in international broadcasting over the last 25 to 30 years have been astounding-- the Radio Moscow powerhouse has been replaced by religious broadcasters *en masse* and 'cable radio' ( satellite broadcasting ) is, as far as I'm concerned, a storm cloud on the horizon for us peasants -- but funny little things haven't changed. The other day I heard the Radio Budapest interval signal -- and I've always enjoyed interval signals -- and it took me back 25 years, because it was the same one that was my favorite back in the mid-sixties. Now my favorite is Radio Norway's -- Maybe we should conduct a poll like ACE does! [ Maybe we should! -ed.] My set-up, a Kenwood TS-450S fed by an 80 meter loop at 20 feet, is modest by amateur standards but serves me well for SWLing and yes, I still have fun on CW. But there's an odd satisfaction in hearing Rush Limbaugh for the first time not on a local AM outlet, but on the BBC ( and they followed his broadcast with a disclaimer, I was delighted to hear --the first time I'd ever heard one on 'Auntie')! [ NOTE: the views on Mr. Limbaugh do not reflect those of this editor]-hi.

Thanks Anne, for a very nice profile and a great idea. Looking forward to meeting you and Mike soon! Meanwhile ....

How 'bout it brothers and sisters. Those of you who are interval signal fanciers and who might just happen to like a certain one for one reason or another, please drop me a line and let me know your favorite ( and why, if there is a particular reason ). I'll tabulate the results and announce in a "winter version" of this column just which interval signals find the most fancy among you all. It may not be the most significant survey you'll ever take part in, but won't it be fun. And if you've got the time, include a profile. 73...

# NASWA Awards

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



Welcome to the August edition of the NASWA Awards Column. Just like every other July and August in Virginia, it has been hot enough to turn my solid-states into liquid. We had no rain in early summer and are now being washed away by evening thunderstorms --I am wearing out the antenna connector pulling it on and off the antenna switch. At any rate, award activity has been as slow as the weather has been hot, so I do not have much to report. But there were a few sweat covered folks who have become the latest proud owners of the much coveted NASWA green:

Jerry Berg .....	230 endorsement for Master DX Centurion
Ron Downing .....	Arab World DXer
	20/25 endorsement for All American DXer
Beppe Gornati .....	Master European DXer
	South American Continental DXer
	Senior PNG DXer
	Arab World DXer
	Master Soviet Sphere DXer
	DXer de Pacifica
	Senior Ecclesiastic DXer
Harry Hines .....	Ecclesiastic DXer
John Wilkins .....	20 station endorsement for Master Indonesian DXer

## FEATURED AWARD OF THE MONTH

For some reason there has been a renewed interest in the Arab World DXer awards so I thought I would fill out my space with a copy of the Arab Speaking World Country List that appeared in the August 1992 column. The Arab World DXer (15 countries) and the Arab World DXpert (24 countries) are two of the more controversial awards in the NASWA barn. The awards booklet tells us that the countries that count for this award must use Arabic as the major or second major language. The awards enter the world of politics, however, when you realize that a country such as Israel counts as part of the "Arab World" and changing times have redrawn the map on what is truly the Arab world and what is not. The awards committee has decided that these awards should be called "Arab Speaking World DXer" and "Arab Speaking World DXpert." No matter what you call them, however, they are interesting awards to collect and not overly difficult to obtain. What follows is the official country list for these awards.

### ARAB SPEAKING WORLD COUNTRY ELIGIBILITY LIST

- |   |  |
|---|--|
| <input type="checkbox"/> <input type="checkbox"/> Abu Dhabi (United Arab Emirates)          | <input type="checkbox"/> <input type="checkbox"/> Libya                          |
| <input type="checkbox"/> <input type="checkbox"/> Aden (Democratic Republic of South Yemen) | <input type="checkbox"/> <input type="checkbox"/> Oman                           |
| <input type="checkbox"/> <input type="checkbox"/> Algeria                                   | <input type="checkbox"/> <input type="checkbox"/> Palestine (Israel)             |
| <input type="checkbox"/> <input type="checkbox"/> Anglo-Egyptian Sudan (Sudan)              | <input type="checkbox"/> <input type="checkbox"/> Qatar                          |
| <input type="checkbox"/> <input type="checkbox"/> Bahrain                                   | <input type="checkbox"/> <input type="checkbox"/> Saudi Arabia                   |
| <input type="checkbox"/> <input type="checkbox"/> Dubai (United Arab Emirates)              | <input type="checkbox"/> <input type="checkbox"/> Sharjah (United Arab Emirates) |
| <input type="checkbox"/> <input type="checkbox"/> Egypt                                     | <input type="checkbox"/> <input type="checkbox"/> Spanish Morocco (Morocco)      |
| <input type="checkbox"/> <input type="checkbox"/> French Equatorial Africa (Chad)           | <input type="checkbox"/> <input type="checkbox"/> Spanish Sahara (Morocco)       |
| <input type="checkbox"/> <input type="checkbox"/> French Morocco (Morocco)                  | <input type="checkbox"/> <input type="checkbox"/> Syria                          |
| <input type="checkbox"/> <input type="checkbox"/> French Somaliland (Djibouti)              | <input type="checkbox"/> <input type="checkbox"/> Tangier (Morocco)              |
| <input type="checkbox"/> <input type="checkbox"/> French West Africa (Mauritania)           | <input type="checkbox"/> <input type="checkbox"/> Trans-Jordan (Jordan)          |
| <input type="checkbox"/> <input type="checkbox"/> Iraq                                      | <input type="checkbox"/> <input type="checkbox"/> Tunisia                        |
| <input type="checkbox"/> <input type="checkbox"/> Kuwait                                    | <input type="checkbox"/> <input type="checkbox"/> Turkey                         |
| <input type="checkbox"/> <input type="checkbox"/> Lebanon                                   | <input type="checkbox"/> <input type="checkbox"/> Yemen                          |
|   | <input type="checkbox"/> <input type="checkbox"/> Zanzibar                       |

Have a good summer and Happy Hunting!

# Company Store

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

Welcome to The Company Store for August, 1994!

The 1994 edition of the *Shortwave Radio Guide* compiled by John Figliozzi has been selling rapidly. And it should. This is quite a compilation. It's hard to believe that something this comprehensive could get better, but it has! Keep those orders coming.

Please send all orders from the NASWA Reprint Catalogue directly to Bill Oliver at NASWA headquarters (address on back cover). All other orders for the STORE should come directly to me.

There has been a price increase for all NASWA clothing items. Our supplier has informed us that shipping costs are the culprit. Please note that NASWA doesn't make anything on the clothing. We just provide it as a service to our members. To understand the price increase, simply add \$4.00 for shipping per order. This means that whether you buy one item or more, the shipping is the same amount. So maybe it pays to order that T-Shirt and the hat at the same time. Ordering them separately would cost double for the shipping!

That's all for now. I hope to see you ordering soon. Keep in style with the latest in hobby fashions from your NASWA COMPANY STORE.

*Kris Field*

## NASWA Clothing Line

T-shirt	(S, M, L, XL)	\$10.00
	(XXL)	\$12.00
Sweat top or pants	(S, M, L, XL)	\$21.00
	(XXL)	\$23.00
Poplin Cap	Adjustable	\$7.00
Windbreaker	(S, M, L, XL)	\$25.00
	(XXL, XXXL, XXXXL)	\$27.00

Add \$4.00 per clothing order for s/h! It pays to order more than one article of clothing at a time.

Write for shipping and handling costs for orders shipped outside North America.

All s/h charges for the following items are included unless otherwise noted.

### Publications

<i>Shortwave Listening Guidebook</i> by Harry Helms. Covers equipment, antennas, propagation, station profiles, utilities, clandestines, QSL'ing, etc. 315 pages.	\$16.95 +2.00 s/h
<i>Secrets of Successful QSL'ing</i> by Gerry Dexter. The complete guide to Reception Reports and QSL collecting. 125 pages.	\$12.95 +1.00 s/h
<i>Limited Space Antenna Solutions</i> by Frank P. Hughes. Covers the random wire, dipole, vertical, outdoor, loft and indoor antennas, antenna tuners, and grounds.	\$10.00 +1.00 s/h
<i>Inside Your Shortwave Radio</i> by Ted Benson. Companion to your receiver's instruction manual, filling in what your manual leaves unclear.	\$13.95 +2.00 s/h
<i>All About Ham Radio</i> by Harry Helms. Introduction to the world of ham radio. Covers equipment, antennas, propagation, and how to get your license.	\$19.95 +2.00 s/h
<i>Shortwave Radio Guide, 1994 Edition</i> by John Figliozzi. John's exhaustive guide to English language programs. Daily and hourly listings.	\$16.00 PP NA \$20.00 elsewhere
<i>NASWA Country List and Awards Program Booklet</i>	\$2.00
<i>The System</i> Masters for Log Book, QSL Reports, Program Notes, and QSL Log.	\$2.00
<i>Propagation Predictor</i> Divides the calendar year into 27-day segments for tracking solar patterns.	\$2.00
<i>Spectrum Log</i> Covers Tropical and International bands.	\$8.50
<i>NASWA Reprints Catalog</i> A catalog for over 800 pages of information available from past NASWA issues.	\$2.00
<i>Joe Carr's Receiving Antenna Handbook</i> A complete guide for high performance antennas from long-wave all the way to the upper end of the shortwave spectrum.	\$19.95 +2.00 s/h
<i>QSL Signers</i> by Al Quaglieri. This is the most comprehensive and up-to-date list of verification signers names, titles, and addresses available anywhere!	\$3.00 PP NA \$5.00 elsewhere
<i>Language Lab</i> by Gerry Dexter et al. Guides to reception report writing. Editions available for Spanish, French, Portuguese, and Indonesian. Tiare Publications.	\$12.00 Each +1.00 s/h

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



# Listener's Notebook

Al Quaglieri  
P.O. Box 888  
Albany, NY 12201-0888  
fax: 518-437-1922  
MCI Mail: AQUAGLIERI  
Internet: aquaglieri@mcimail.com

**WAIT A MINUTE**, didn't this guy just start an Africa column hereabouts? Yep, and—stickler for punishment that I am—I've agreed to help organize *LN* as well.

A great deal of thanks to all esteemed former editors of this section. *LN* has been an invaluable asset to my listening for many years, and I can only hope to keep it so. With your help and guidance, I just might pull it off.

Meanwhile, you may note several philosophical shifts (and a multitude of my typos) in this month's outing. I intend to cover skeds and other poop on the big guys as well as the 3-watt stations in Patagonia in these pages, space permitting. You would see more of them this month, but most of the summer skeds will expire a few days after you get this. So you'll find 'em next month, as many of the September changes as I can scrape together.

My apologies in advance for this most inauspicious of debuts. It'll take several attempts to standardize formats and replace the current haphazardness with a sense of direction. You may see some duplication from earlier months' *LN*'s until things settle in. Please bear with me in this teething process, and let me know what you'd like to see (besides my teething ring).

Many thanks to Chris Lobdell, who's offered to share the burden by compiling items from sources to which I have no direct access. With his help (and yours), we'll make this monster get up and tapdance.

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**ALBANIA**—*Radio Tirana* in English: to America: 0130-0145 and 0230-0257 on 9580 and 11840 kHz; to Europe: 1600-1613 on 7155 and 9760 kHz, 1800-1827 on 7260 and 9730 kHz. (09-07-94/BRT Radio World/Cees van Oudheusden—Netherlands/Jan Nieuwenhuis—BDXC/SW Echo)

1900-2000 English	Eu/Af	15345(M-F)
2000-2100 Italian	Eu/Af	15345(M-F)
2100-2200 French	Eu/Af	15345(M-F)
2200-2300 German	Eu/A	15345(M-F)
2300-0100 Spanish	Eu/ME	15345 9690 (M-F)

(06-94/BBCM)

**ARGENTINA**—*Radiodifusion Argentina al Exterior (RAE)* sked (note: On Saturdays and Sundays, *Radio Nacional's* domestic service in Spanish is relayed on RAE frequencies):

0100-0200 Portuguese	Am	11710(Tu-Sa)
0100-0200 Spanish	Am	15345(Tu-Sa)
0200-0300 English	Am	11710(Tu-Sa)
0300-0400 French	Am	11710(Tu-Sa)
1000-1100 Japanese	As	11710(M-F)
1100-1200 Portuguese	Am	11710(M-F)
1200-1400 Spanish	Am	11710(M-F)
1800-1900 Spanish	Eu/Af/ Am	15345(M-F)

**AUSTRALIA**—*Radio Australia* (English-language service), from 29th May 1994, by frequency:

21725	0900-1100
21595	0700-0800
17880	0200-0600, 0630-0800
17860	0030-0600, 2130-2400
17795	0030-0600, 0630-0730, 2200-2400
17750	0000-0530
17715	0200-0400, 0530-0600, 0630-0800
17695	0730-0800
15565	0600-0630, 1100-1300
15510	0030-0400, 0600-0700

15415 0030-0600  
 15365 2130-2400  
 15240 0030-0730  
 15170 0900-1200  
 13755 0030-0200, 2200-2400  
 13745 0000-0200  
 13605 0000-0600, 0630-0730, 0900-1000,  
 1100-1200  
 11910 0630-0730, 0800-0900  
 11880 1630-2130  
 11855 2130-0100  
 11800 1200-1630  
 11695 1430-2200, 2300-2400  
 11660 1430-2100  
 9860 0630-0730, 0800-1200, 1630-2100  
 9770 1430-1630  
 9710 0800-0900, 1430-1900  
 9660 0030-0530, 0600-0800, 2100-2400  
 9580 0030-0530, 0630-1230, 1700-2400  
 9510 0900-1000  
 7260 1230-1300, 1430-2100  
 6150 1900-2100  
 6080 0730-0900, 1430-2130  
 6060 1200-1300, 1430-2130  
 6020 0730-0900  
 5995 0800-0900, 1200-1230, 1300-1430

Although primarily intended for Asia and Australasia, some frequencies may be heard in other parts of the world at certain times. Some frequencies carry *Grandstand*, a separate sports service from 0100-0630 on Saturday and 0200-0630 on Sunday. (06-94/BBCM)

Per a QSL card from *VL8A-Alice Springs*, three stations share broadcast times on the NT shortwave transmitters: *ABC Regional Radio*, *TEABBA (Top End Aboriginal Bush Broadcasting Association)*, and *CAAMA (Central Australian Aboriginal Media Association)*.

*VL8K-Katherine* uses 5025day/2485night, *VL8T-Tennant Creek* is on 4910d/2325n, and *VL8A-Alice Springs* uses 4835d/2310n. *CAAMA* programs on *VL8T* and *VL8A*: M-F 2300-0230, 0340-0730, 0940-1300. On Saturdays from 2300-2330, *VL8T* relays a program from ABC Alice Springs called *Arid Zone Gardener Program*. *TEABBA* uses *VL8K* from M-F 2045-2330, 0730-0830. At all other times programs originate from *ABC Northern Territory Regional Radio*. (20-05-94/Mike Welsh/Internet)

**AZERBAIJAN**—*Radio Dada Gorgud (The Voice of Azerbaijan)*, Baku, has English at 1700-1800 on 7160. Also noted in German at 1500-1600 and French at 1600-1700 on 15240 kHz, though the announced 7160 kHz. (5-94/DX-Magazine/World Wide DX-club, Germany/Jan Nieuwenhuis/BDXC/Internet)

**BANGLADESH**—*Radio Bangladesh* in English to Asia at 1230-1300 on 9548v and 13615v kHz, and to Europe at 1745-1815 (Voice of Islam) and 1815-1845 on 7190v and 9683v kHz. (15-07-94/BBCM)

**BELARUS**—*Radio Minsk/Radiostantsiya Belarus* transmits the religious program *Die Antwort* in German at 1830-1900 (Sun) on 6020, 6090, 7210 and 11960 kHz. Addr. Postfach 767, CH-1701 Freiburg, Switzerland. (6-94/Weltweit Horen, Germany/Jan Nieuwenhuis/BDXC/Internet)

**BOSNIA - HERCEGOVINA** — The Croatian news agency HINA reports that a Serb radio station, whose transmitter is beamed at the free territory of northern Bosnia, has begun broadcasting in [the Serb] occupied [town of] Brcko. The station—describing itself as *Posavina Radio*—broadcasts news in Croatian taken from *Croatian Radio* in Zagreb and the Croatian radio [in Mostar, southern Bosnia] of so-called Herceg-Bosna. (19-06-94/BBCM)

Relays of *Radio of the Serbian Republic* (in Bosnia-Herzegovina) via *Radio Yugoslavia* (which is based in Belgrade but which uses transmitters at Bijeljina in northeastern Bosnia-Herzegovina) are now heard as separate transmissions at 0100-0130 on 11870 kHz and at 2200-2230 on 7265 kHz. These relays used to be carried as segments within *Radio Yugoslavia's* own transmissions. (15-07-94/BBCM)

**BURKINA FASO**—*Radio Burkina* sked since 24 May: 0530-0800 on 4815, 0800-0900 on 9515, 0900-1200 (Su, Th, Sa only) on 9515, 1200-1700 on 9515, and 1700-2400 on 4815. Programs are multilingual, i.e. lots of French and some local languages. 7230 may be used as alternate to 9515 kHz. (24-05-94/BBCM)

**CANADA**—Four years ago *Radio Canada International's* service's budget was cut by \$6 million from 21m dollars, causing elimination

of seven languages altogether and reductions in other remaining programs. Now comes word from a committee determined to do something about this situation:

**From The Coalition to Restore Full RCI Funding**

After three years of lobbying governments and members of parliament, the Coalition successfully convinced the Standing Senate Committee on Communications and Transport to hold a public inquiry into the cuts of *Radio Canada International's* operating budget in 1991 by one third, which eliminated half the employees and *three quarters* of RCI produced programming.

We're happy to report the committee came out with a number of very positive recommendations in June: 1) the budget of RCI should be restored to at least 1990 levels to allow for the reinstatement of the seven languages cut from the service German, Japanese, Czech, Slovak, Hungarian, Polish, and Portuguese to Brazil; 2) targeted English and French programming should be restored to different geographic regions such as Europe, Asia and North America, instead of the generic programming now available; 3) financing should be guaranteed on a continuing five year basis; 4) a special advisory council should be set up to publicize and advertise the services of RCI to people in Canada.

Despite this important advance in restoring RCI, at this stage the Senate committee's recommendations are just that: recommendations to the government.

**What can you do?**

Throughout our three years of lobbying, members of parliament, cabinet ministers and senators have repeatedly underlined the impact of letters from Canadians and listeners around the world. Many have been quoted in the Senate chamber, others have been cited in the Senate report. These letters matter!

Now we need to convince the Prime Minister and the Minister responsible for RCI. Tell them why it's important for RCI to be restored and strengthened.

In 1995 we hope to celebrate a 50th anniversary with a new improved RCI, help make that possible.

[Unfortunately, addresses for the PM were garbled online; I suggest if interested in this you write to the source, listed below.—AQ]

**COALITION TO RESTORE FULL RCI FUNDING**

c/o SCFP Local 675, 1250 de la Visitation  
Montreal, Canada H2L 3B4  
TEL: (514) 844-2262 FAX: (514) 521-3082  
(24-07-94/Larry Nebron/SW Echo)

**CHINA**—From BBCM comes updated info on Mainland broadcasts to Taiwan:

**CPBS Taiwan Service First Program**

Programs in Chinese, with daily portions in Amoy and Hakka

0055-0610 15710 11935 11100  
0955-1100 11935 11100 3815  
1100-1315 15710 11935 11100 9455 7620  
6015 3815  
1315-2230 11935 11100 9455 9380 7620  
6015 5125 3815

2230-0004 11935 11100 9380 3815

**CPBS Taiwan Service Second Program**

0355-0605 15880 11000  
0605-0955 15880 11000  
0955-1515 15880 11000 6095  
1515-1804 11000 9170 6095  
2055-0104 11000 9170

(07-06-94/BBCM)

*The Voice of the Strait* broadcasts from Fuzhou for listeners in the Offshore Islands and Taiwan. Programs are all in Chinese.

**FIRST PROGRAM**

0000-0200 6115 5050 4940  
0855-0959 11590 7280 6115  
0959-1230 11590 7280 6115 5508 4133  
2755  
1230-1700 6115 5508 5050 4940 4133 2755  
2155-2400 6115 5050 4940

**SECOND PROGRAM**

0255-0600 9505 6000 (\*0300- Tuesdays)  
0955-1500 9505 6000 (-1600\* Tuesdays)

(14-07-94/BBCM)

*Voice of Pujiang* from Shanghai transmits in Chinese from 0955-1545 on 7115, 4950, and 3280 kHz. (14-07-94/BBCM)

**CLANDESTINE — AFRICA — *The Voice of Renamo*** started broadcasts "live from Mozambique" on 15th October 1993 from a

transmitter apparently the same as that used by *Swazi Radio*, the commercial service for Southern Africa. These broadcasts were last heard on 20th December 1993. The current broadcasts, presumably from Renamo's own transmitter, were first heard by BBC Monitoring on 17th May 1994. Schedule, all in Portuguese, is 0500-0600 on 6145, 1045-1145 on 9900, and 1600-1700 on 5180 kHz, all nominally from transmitters in Sofala. (31-05-94/BBCM)

On 18 June, a member of the Sudanese opposition announced the opening of a new station, *Radio of the Opposition National Democratic Alliance*. The station will operate from a non-Arab state, and was expected to begin operations in late June. (18-06-94/BBCM) No frequencies given—AQ.

**CLANDESTINE—ASIA**—*Radio of the Provisional Government of National Union and National Salvation of Cambodia* supports the Khmer Rouge, and operates from 1200-1400 and 2300-0200 on 5408 kHz, all in Cambodian. (19-07-94/BBCM)

*The Voice of National Salvation*, which favors the reunification of Korea from the North Korean point of view, is believed to transmit from North Korea. Its latest schedule:

0030-0100	English	4557	4450	4400	3480
0300-0700	Korean	4557	4450	4400	3480
1000-1700	Korean	6020	(to 1400)	4557	
		4450	4400	4120	3480
2000-0030	Korean	4557	4450	4400	3480

(21-06-94/BBCM)

*The Democratic Voice of Burma*, transmitting from NRK plant in Oslo, noted on 9600 kHz instead of 11835 kHz for its 0030-0055 transmission. Broadcast at 0100-0125 gmst is no longer observed. (28-06-94/BBCM)

**CLANDESTINE — LATIN AMERICA**—*Radio Patria Libre*, the station supporting Colombia's rebel ELN, is still heard; announced schedule is 1130-1210 on 6260 kHz, with additional broadcasts on Saturdays at 1330 on 15050 kHz, and on Sundays at 1500 on 6260 kHz. (22-06-94/BBCM)

**CLANDESTINE—MIDEAST**—*Voice of Iraqi Kurdistan* observed on 4180 kHz at 0245-0400 and 1445-1700. (08-0794/BBCM)

*Voice of Independent Kurdistan*, which supports the Kurdistan Workers' Party (PKK), continues to be heard with broadcasts starting at 0900 and 1300. Frequency varies around 7400 kHz in an attempt to avoid jamming. (16-06-94/BBCM)

*Radio Message of Freedom (Radio Pyam-e Azadi)*, which broadcasts in Pashto and Dari in support of the Islamic Party (Ihezbe Eslami) of Afghanistan led by Golboddin Hekmatyar, continues to be heard. According to recent announcements, it broadcasts daily at 0145-0315 and 0730-0830, and is currently observed on 7000 kHz, with jamming. (29-06-94/BBCM)

**COLOMBIA**—*La Voz del Cinaruco* 4865, was heard at 0859 w/a partial ID in English announcing two different stations. "This is CARACOL Colombia, IJCY, transmitting from Bogota, ? kw of power on the frequency of 810 kHz, medium wave. CARACOL, more radio, more company, more Colombia", then a Spanish ID for *La Voz del Cinaruco/HJLZ* was heard. A program called *Marcadora Despierta* (Wake Up, Frontiersman) was heard. (Wilkins 7-11/NU #1280/Chris Lobdell)

**CYPRUS**—*Cyprus Broadcasting Corporation*, to Cypriots in the UK, is transmitted from the BBC relay station near Limassol. Operates only on Su/Fr/Sa on sked 2215-2245; frequencies are 9760, 7205 and 6180 kHz, all programs in Greek. (07-06-94/BBCM)

**ECUADOR**—An update on the Ecuador radio story: According to Quito's "El Comercio" newspaper, on Friday, June 25 *Radio Latacunga* and *Escuelas Radiofonicas de Ecuador* were allowed back on the air. *Escuelas Radiofonicas de Ecuador* was warned not to broadcast inflammatory material. Sister Alma Montoya was released from custody. Also reported silenced earlier in the week was *Radio Ingapirca*, a Lutheran-operated station north of Cuenca. (*R. Ingapirca* was build with the help of *HCJB* engineers). No word on whether it is back on. There are unconfirmed reports that a fourth station was also forced off the air, and that one station in Quito was threatened with closure. (25-6-94/Ken MacHarg/HICJB/Internet)

**GABON**—Latest sked for *Africa No. 1*:

0500-0659 9580  
0659-1559 17630 9580  
1559-1900 15475 9580  
1900-2300 9580

News in English is carried daily from 1258-1300 [yes, that's two whole minutes!—AQ] (31-05-94/BBCM)

**GAZA & JERICHO**—Radwan Abu Ayyash, chairman of the *Palestinian Radio and Television Corporation*, in Jerusalem, has announced a mediumwave frequency of 594 kHz for broadcasts from this territory. (26-06-94/BBCM). *Voice of Palestine* from Jericho has been heard on its new frequency of 675 kHz since sign on at 0500 on 18th July. The radio is no longer heard on its former frequency of 702 kHz. (18-07-94/BBCM)

Samih Samarah, director-general of the Palestinian radio, has said that the station will begin broadcasting soon. Station will be called the *Voice of Palestine—the Voice of Freedom and Peace*, to transmit from "the Peace Ship that Abie Nathan presented to the Palestinian National Authority to mark the beginning of a new stage—the stage of Palestinian-Israeli peace. The transmissions will take place off the Gaza shore where the ship is anchored, and will cover all areas with the utmost clarity." *The Palestinian Broadcasting and Television Corporation [PBTC]* stresses that the Voice of Palestine, does "not intend and do not have the practical technical resources to transmit from the sea, as erroneously reported in the 'Al-Quds' newspaper." (18-0794/BBCM) Nothing yet about shortwave...—AQ

**GERMANY**—Former RIAS transmitter on 6005 now operating 24 hours a day as Deutschlandradio, the national radio service of Germany incorporating *Deutschlandfunk Cologne* and *Deutschlandradio Berlin*. The latter service was formed out of the *RIAS* and *DS-Kultur* services. (06-94/BBCM)

*Adventist World Radio* has announced the issuance of a new QSL card to commemorate the 150 anniversary of Morse code transmissions. The card, which was available in mid July shows the Morse code for numbers and the alphabet on the front along with the years 1844-1994. It will be available from all AWR stations. (Direct/Chris Lobbell)

**GREECE**—*Voice of Greece* is now using 15630 and 17520 (ex 17535) kHz at 1335-1345 for their news transmission in English. The station is transmitting on 9395 kHz in French at 2010-2020, German at 2020-2030 and Italian at 2030-2040. A program in Portuguese is transmitted at 2305-2320 and in Spanish at 2320-2335 on 9425, 11595 and 11645 kHz. (07-94/'Radio Welt,'—Germany/Jan Nieuwenhuis—BDXC/SW Echo)

**HAITI**—The Haitian president in exile, Jean-Bertrand Aristide, began broadcasting messages to Haiti on Friday [15th July] on a radio named *Radio Democracy* set up with the support of the United States. Produced in Washington, *Radio Democracy* program are broadcast daily via military facilities [Air Force C-140's—AQ] on 1035 kHz AM and 91.9 MHz FM between 2230-2330 and 0000-0100 UTC.

*Radio Metropole*, Port-au-Prince, broadcast a strong protest on 19 July. "The government is protesting at the use of Haitian airwaves for the broadcasts of *Radio Democracy*. The minister of information and coordination has asked the media in Port-au-Prince and in the provinces to strictly observe the laws governing the matter of news broadcast by regular radio stations. Without authorization, pirate radio has invaded Haitian radio space." (19-07-94/BBCM)

Word is that they are not being well heard in Haiti. (22-07-74/John Stephens/SW Echo)

**HAWAII**—*KWHR*—*World Harvest Radio*, Naalehu, frequency schedule: 0000 on 17555 kHz to Oceania, 0200 on 17510 kHz to Asia, 0600 on 9930 kHz to Asia, 1600 on 7425 kHz to Oceania, 1800 on 13625 kHz to Oceania, 2000 on 13720 kHz to Asia, 2200 on 17510 kHz to Asia. (09-0794/direct via Chris Stacey—UK/Jan Nieuwenhuis—BDXC/SW Echo)

**HONDURAS**—*Radio HRET*, 4960, is an apparant new religious station operating from this country. It has been noted after 0100 until 0208 sign off broadcasting in Spanish and a native Indian dialect.

Announced schedule is 1200-1400 and 0000-0200. No MW outlet was mentioned. The address appears to be: Mision la Mosquitia, Puerto Lempira, Depto de Gracias A Dios,

Codigo Postal 23101, Honduras. (Berg/NU#1279, 1280/Chris Lobdell)

**ICELAND**—*Ríkisutvarpid* sked:

1215-1300 15770-usb 13860-usb  
1410-1440 15770-usb 13860-usb  
1855-1930 13860-usb 11402-usb  
1935-2010 15770-usb 13860-usb  
2300-2335 13860-usb 11402-usb

All programs are in Icelandic. However, you can hear a recording of their English newscast (not relayed on shortwave) by dialing +354 1 693690. (05-07-94/BBCM)

**IRAN**—*VOIRI* is now using 9022 and 11965 kHz (ex 9745) for German at 1730, French at 1830 and English at 1930. (6-94/Weltweit Horen, Germany/Jan Nieuwenhuis/BDXC/Internet)

**IRAQ**—*Radio Iraq International* has been heard on 13780 kHz at 0900-1150 instead of the previous used 15180 and 17470 kHz. (09-07-94/BRT Radio World/Cees van Oudheusden — Netherlands/Jan Nieuwenhuis — BDXC/SW Echo)

**ITALY**—*Adventist World Radio—Europe* sked, all on 7230 kHz:

0700-0800 Italian, 0800-0900 German, 0900-0930 French, 0930-1000 Spanish, 1000-1100 Italian, 1100-1200 German, 1200-1230 Arabic, 1230-1300 French, 1300-1400 Arabic, 1400-1500 English. (07-06-94/BBCM)

**KOREA, NORTH**—*Broadcasting Service for the Frontline Sentry* has been off the air since Kim Il-sung died. This station is aimed at North Korean soldiers patrolling the border [with South Korea] and is regularly monitored in Japan on 1611 kHz mediumwave as well as the out-of-band channels of 2625 and 3025 kHz shortwave. (14-07-94/Media Network/BBCM)

**KYRGYZSTAN**—*Kyrgyz Radio*, Bishkek; is transmitting in German to a local minority at 1600-1630 (Tue) on 4010 kHz. (5-94/DX-Magazine/World Wide DX-club, Germany/Jan Nieuwenhuis/BDXC/Internet)

**LITHUANIA**—*Radio Vilnius* is now transmitting on 9530 kHz (ex 11770) at 2300-2330. (09-07-94/BRT Radio World/Cees van

Oudheusden — Netherlands / Jan Nieuwenhuis—BDXC/SW Echo)

**MALDIVES**—*Radio Maldives* is said to be testing on shortwave. The sked is 0400-0800 on 7350 with a relay of the domestic service. (DXers Calling-Australia, July 94). Can anyone confirm this? (Chris Lobdell)

**MONGOLIA**—*Radio Ulan Bator*, sked as monitored:

0520-0550	English	12015
(Su only)		
0910-0940	English	12015 11850
(M/W/Th/Sa)		
0950-1020	Chinese	12015 11850
1020-1050	Russian	12015 11850
(Mo/Sa only)		
1055-1125	Chinese	12015 11850
1125-1155	Mongolian	12015 11850
1200-1230	Russian	12015 11850
(Su only)		
1200-1230	Japanese	12015 11850
(Tu/Sa only)		
1200-1230	English	12015 11850
(M/W/Th/Sa)		
1240-1340	Russian	7260v
(Tu/F only)		
1255-1325	Mongolian	12015 11850
1325-1355	Chinese	12015 11850
(exc. We)		
1400-1430	Russian	12015 11850
(Su/Th/F)		
1445-1515	English	13780 7260v
1940-2010	English	12015 11790
2055-2125	Japanese	12015
(We/Sa only)		
2300-2330	Japanese	12015
(Sa only)		

(31-05 and 03-06-94/BBCM)

**NEW ZEALAND**—New Zealand's *National Radio* is to end its broadcast of news in Pacific island languages next month. The half-hour Pacific islands program [*Pacific Islands Magazine* in Samoan, Tongan, Cook Islands Maori, Niuean and Tokelauan] broadcast on *National Radio* on weeknights [at 0700-0730 gmt during New Zealand winter time] is also to be axed and replaced with news in English about the Pacific. (07-94/BBCM)

**PAPUA NEW GUINEA**—*Radio Gulf* (3245 khz), *Radio Western* (3305 kHz) and *Radio Northern* (3345 khz) have all returned to the air, as has *R. Milne Bay* (3365 kHz), noted with a full schedule. *R. Central* (3290) remains as a fairly large open carrier, noted at \*1925 on 15/07. *R. Western Highlands* (3375) recently returned w/excellent signals. 3325 (ex-North Solomons but then via Rabaul) is off, no question. The others seem 'regular' as they can be. On the unofficial broadcasting side of things, 3880 *R. United Bougainville* is regular w/weak signals barely noticeable over static (noted at 1220+ on 16/7), while *R. Free Bougainville* has not been heard in this location (on 3840, 3870 or 3880) for quite some time. *NBC National (Kara)* uses 9675 throughout... that's 2000-1400. They seemed to be on prior to this though at 1952 w/pops, 15/7. (18-07-94/David Martin—Australia/SW Echo)

**PHILIPPINES**—*Radio Veritas Asia* sked:

0000-0030	Karen	9535
0000-0030	Sinhalese	9695
0030-0055	Kachin	9535
0030-0055	Tamil	11820
0100-0130	Bengali	15335
0100-0125	Telugu	15530
0130-0155	Hindi	15335
0130-0230	Vietnamese	15530
0200-0230	Urdu	15335
1000-1055	Chinese	9520
1000-1025	Vietnamese	9555
1030-1125	Russian	15130
1100-1125	Vietnamese	11790
1130-1200	Burmese	9670
1130-1200	Chinese	9520
1200-1225	Indonesian	9520
1200-1230	Karen	9670
1230-1255	Kachin	9670 9555
1230-1255	Ukrainian	9520
1300-1325	Vietnamese	11850 9520
1330-1400	Hindi	9555
1330-1400	Sinhalese	9520
1400-1430	Bengali	9555
1400-1425	Tamil	9520
1430-1500	Telugu	9520
1435-1530	Chinese	6020
1500-1530	Tagalog/ English	15140 (News in English 1525) (Tu- Fri only)

1500-1555	Tagalog/ English	15140 (News in English 1540/1555) (Sa/Su/Mo only)
1530-1555	Urdu	9670
2100-2255	Chinese—std	7115
2130-2225	Russian	9560 (programs by Radio Blagovest)
2300-2325	Indonesian	11820 9860
2300-2325	Ukrainian	9860
2330-0000	Burmese	7235
2330-0000	Vietnamese	9535

(21-06-94/BBCM)

**PIRATES - NORTH AMERICA**—

What was called "Shortwave Liberation" has just recently ended. There was a 30 or 31 day period when pirate stations were on in consecutive nights starting on June 16th running through July 18th. Many new stations were noted and the frequency of 7385 is now the frequency of choice. One station, called *Freedom 40* will issue a special QSL if you send copies of 5 stations' QSLs heard during this period. (Free Radio Page #4/Chris Lobdell)

**PORTUGAL**—*Radio Renascensa* broadcasts in Portuguese to Europe:

0300-0500	6100 kHz	(Mon-Fri)
0845-1000	9575 kHz	(Sun)
1300-1600	9680 kHz	(Sat/Sun)
1600-1800	9680 kHz	

(source: ADDX Kurier no. 13/14/18-07-94/  
Frederick Gordts/SW Echo)

**RUSSIA**—*Adygey Radio* announces itself as *Radio of the Adygey Republic from Maykop*. The station broadcasts in the Bzadogh (or Bzadugh) dialect of Adygey, one of the Circassian languages. Sked is 1700-1800 on Monday only, in Adygey, Arabic, and Turkish, on 7305 kHz. Alternative freqs are 7130 and 5905. (14-06-94/BBCM)

To correct the frequency in June's LN: *R. Alpha and Omega's* schedule in Russian is 1400-1500 on 9865 (AQ)

*Radio Lena Jakutsk, Jakutsk*, is transmitting on 5920 and 6125 kHz at 0200-0800 (Mon-Fri). Addr: Yakutsk Radiocenter, Uliza Semyona Dezhyova 75-4, Yakutsk 677002. (0794/WWH/Jan Nieuwenhuis—BDXC/SW Echo)

*Radio Radonezh*, the radio station of the Russian orthodox church, broadcasts from 1500–1600 in Russian on 9865 kHz. Target is European Russia and Ukraine)(14-06-94/BBCM)

*Radiostantsiya Tikhy Okean* from Vladivostok broadcasts on Sunday in English between 0750 and 0753 UTC. Frequencies: 7185, 7210, 9635, 9670, 9780, 9820, 9865, 12010, 12050, 12070, 15180, 15415, 15425, 15535, 17590, 17610, 17645, 17805, 17850, 17860 kHz. (ADDX-Kurier No. 12/13 1994/18-07-94/Frederick Gordts/SW Echo)

*Radio Vedo*, Volgograd; is using 5915 and 13710 kHz at 0400–0800 (Sat/Sun) and 1400–1700 (Mon–Fri). Addr. P.O.Box 1940, 400123 Volgograd. (6-94/Weltweit Horen, Germany/Jan Nieuwenhuis/BDXC/Internet)

**RWANDA**—The “humanitarian radio for Rwanda” (shortwave and FM) which was due to be set up by Reporters Sans Frontieres [RSF], the journalists’ rights defense organization, ran into some major snags. The French government had offered substantial financial aid to the station, but RSF refused the donation, saying the funding by the French authorities could be misinterpreted by local authorities. Meanwhile, the two Swiss nationals who went to Burundi to begin setting up the station ran afoul of local authorities. (21-06-94/BBCM)

In the meantime, *Radio Rwanda* has reappeared on 6055 kHz, now as a supporter of the Rwandan Patriotic Front (RPF). Programs include news in English, French, Kinyarwanda and Swahili.

*Radio Muhabura* reported on 9th July that, following its capture of Kigali, the RPF intended to reactivate broadcasting by the “national radio” on the 49-metre shortwave band. Former clandestine *Radio Muhabura* has not been heard since 9th July. However, *Radio Rwanda* on 15th and 16th July announced a schedule for its evening broadcasts identical to that announced on 1st July by *Radio Muhabura* for its own broadcasts. The schedule is: 1600 Opens, 1730 News in Kinyarwanda, 1815 News in French, 1900 News in English, 1915 News in Swahili, 2000 Closes. *Radio Rwanda* has also been heard with news in Kinyarwanda at 0430 and 1015, and with news in English or French at

1100. This is also very similar to the former *Radio Muhabura* schedule. (07-94/BBCM)

With *R. Rwanda* back, there would appear to be little need for the ill-fated “humanitarian” station mentioned above.—AQ

**SOMALIA**—*Radio Mogadishu—The Voice of The Somali People*, has been heard with news in English at 1830 on 6870 (USB) kHz (10-07-94/Karl van Rooy—Netherlands/Jan Nieuwenhuis—BDXC/SW Echo)

**SYRIA**—*Syrian Arab Republic Radio* (Main Program, in Arabic), transmits from Damascus daily from 0500–1600 on 12085 and 15095 kHz. (15-07-94/BBCM)

**THAILAND**—*Radio Thailand* has started transmissions using transmitters at Udorn, which are also used by VOA, in English to Europe on 4830, 9655 and 11905 kHz at 1900–2000 and 2030–2045. (1607-94/R. Austria *Kurzwellen Panorama*/Cees van Oudheusden—Netherlands/Jan Nieuwenhuis—BDXC/SW Echo)

Thailand and the UK have signed an agreement on the construction of a BBC shortwave relay station in Thailand. Under the agreement, the British side will be allowed to use a plot of some 300 rai of land in Nakhon Sawan Province [western Thailand] for the construction of the relay. Total cost of the relay station is estimated at about 12.3m pounds or 600m baht [all figures as heard]. The 250-kW shortwave relay station will relay BBC programs in English and 10 other languages. The agreement is valid for about 20 years. It is anticipated that the relay station will begin its operation before 1996. In return for the site, the British agree to build a school for radio and TV specialties, as well as public relations and communications fields. (15-07-94/BBCM)

**TUNISIA**—Latest *Tunisian Radio* sked, all programs in Arabic:

0359–0559 7475  
0459–0559 7475 12005 15450  
0559–1659 11730 15450 17500  
1659–2400 7475 12005

(07-06-94/BBCM)

**USA**—*Monitor Radio International* has made a frequency change for their WSHB-1 transmitter at Cypress Creek. They are now



using 7535 kHz (ex 5850) at 0000-0200 to avoid interfering with fixed service use of this frequency in Australia. (12-07-94/C. Ed Evans—WSHB/Internet/Jan Nieuwenhuis—BDXC/SW Echo)

Sked for *W1VCR*:

WWCR-1: 0000-0700 on 7435 kHz, 1000-2400 on 15685 kHz.

WWCR-2: 0200-1200 on 5935 kHz, 1200-0200 on 13845 kHz.

WWCR-3: 0000-1300 and 1300-1700 (Sat) on 5810 kHz, 1500-1700 (Sun), 1700-2200 and 2200-2400 (Sun) on 15610 kHz, 2200-2400 (Exc. Sun) on 12160 kHz. (17-06-94/BBCM)

*Voice of the OAS* (Spanish: "La Voz de la OEA") broadcasts via Voice of America transmitters. *Voice of the OAS* closed its shortwave service briefly from 3rd-10th January 1994. The station is reportedly planning to transfer operations to satellite (Solar) some time in 1994.

0015-0030 (Su/Mo Port. 15155 11730  
only) 9670

2245-2300 (M-F) Eng. 15155 11730  
9670

2330-0000 (daily) Span. 15155 11730  
9670

(19-07-94/BBCM)

Sked for *KJES*, Vado, New Mexico:

1300-1600 English/Spanish 11715

1800-1900 English/Spanish 15385

2000-2100 English/Spanish 15385

(07-94/BBCM)

*World Voice of Historic Adventism* is operated by Prophecy Countdown. Transmissions (via Monitor Radio International's WCSN facility in Maine) began on 17th January 1994. Sked:

0000-0200 (Tu-Sa) 9855

1200-1445 (Sa only) 11745

1450-1700 (Sa only) 15665

1500-1730 (Su only) 15665

1500-1700 (M-F) 15665

2230-0000 (We only) 9855

2330-0200 (Su only) 9855

All programs are in English. (07-94/BBCM)

*KAIJ* is the new call for ex-*KCBI* as noted on 15725 at 1400. Gene Scott programming followed with another ID at 1500. This station still operates from Dallas, Texas. (Berg, NU #1280/Chris Lobdell)

Listings for *four* projected new SW stations in Georgia, North Carolina, New York and Arizona supposedly exist. (Radio News Bulletin #6/Johnson, NU#1279). Please say it aint so! (Lobdell)

**URUGUAY—Radiodifusion Nacional S.O.D.R.E.**, Montevideo; has started test transmissions in LSB on 6010 kHz at 1000-1600 (Mon-Fri), 1400-1500 (Sat/Sun) and 1800-2200 (Sat/Sun). Reception reports are welcomed at the following address: Francisco Escobar, Technical Department, Radiodifusion Nacional, P.O. Box 1412, 11000 Montevideo. (03-06-94/Media Network/BBCM)

**UZBEKISTAN—Radio Tashkent** has English at 0100-0130 on 7190, 7250, 9715 and 9740 kHz, 1200-1230 and 1300-1330 on 7285, 9715, 15295 and 17745 kHz. (5-94/DX-Magazine/World Wide DX-club, Germany/Jan Nieuwenhuis/BDXC/Internet)

**VIETNAM—Voice of Vietnam** domestic service introduced a second national domestic radio service on 1st July 1994.

**NETWORK 1**

0000-1700 Vietnamese 10060 5925

2200-2400 Vietnamese 10060 5925

**H'MONG SERVICE**

0430-0600 H'mong 6166v 5033v

1100-1200 Vietnamese 6166v 5033v

1200-1330 H'mong 6166v 5033v

2200-2300 H'mong 6166v 5033v

2300-2330 Vietnamese 6166v 5033v

**NETWORK 2**

0000-1700 Vietnamese 12035 4960

2200-2400 Vietnamese 12035 4960

(19-07-94/BBCM)

**YEMEN**—The radio station in Aden, which since 21st May 1994 had described itself as *Democratic Republic of Yemen Radio*, is off the air on its usual frequencies of 5970 and 7190 kHz. It was last heard on 24th June.

On 10th October 1993, *Yemeni Republic Radio* in San'a had begun rebroadcasting (at 2100 gmt) the daily 30-minute English

program carried earlier in the day (at 1600 gm) by *Yemeni Republic Radio* in Aden. The English broadcast from Aden had been introduced on 1st July 1991. Following the deterioration in relations between the northern and southern Yemeni authorities in San'a and Aden respectively, the radio in San'a stopped rebroadcasting the Aden-produced English program earlier this year. The English program continued to be broadcast from Aden (see separate report above on the apparent cessation of broadcasts from "Democratic Republic of Yemen Radio" in Aden following the capture of the station's transmitter site on 25th June).

*Yemeni Republic Radio* in San'a broadcast the following announcement in Arabic at 0450 on 21st June 1994: "The English-language section of the main program of Yemeni Republic Radio is pleased to announce that a daily English-language transmission will begin next Saturday [25th June] at 1800-1900 UTC, corresponding to 2100-2200 San'a local time. This transmission will be repeated at 0600-0700 UTC, 0900-1000 local time, the next morning. The English program from Yemeni Republic Radio from San'a is to be aired on the following channels: 97.5 MHz FM; 31 metres shortwave, corresponding to 9780 kHz; and 422 metres mediumwave, corresponding to 711 kHz." A similar announcement was carried in English. Neither announcement indicated what would happen to the *Voice of Palestine* program produced by the PLO which San'a radio carried at 1800-1900. The broadcast in English from San'a was confirmed on 9780 kHz at 1800-1900 on 25th June (with a repeat the following day at 0600-0700) and has been heard on subsequent days at the same times. The radio identifies itself in English as: "*The Republic of Yemen Radio broadcasting from San'a*" or "*the Republic of Yemen English radio service broadcasting from San'a*." (06-94/BBCM)

**ZAIRE**—*The Voice of Zaire* regional radio station at Bukavu, on the border with Rwanda, is currently heard on around 6553 kHz. This is believed to be a harmonic of a fundamental frequency operating around 3276 kHz. In March this year, the radio in Bukavu was heard on 9695 kHz, which was believed to be a harmonic of the station's longstanding variable frequency of 4848 kHz. Bukavu radio carries its own programs, including news bulletins in French at 0430 and 1630, as well as relaying the main *Voice of Zaire* station in Kinshasa. These relays include the main morning news bulletin in French from Kinshasa at 0500. (14-07-94/BBCM)

**ZAMBIA**—China will supply and install two sets of 150-kW shortwave transmitters at *Zambia National Broadcasting Corporation (ZNBC)* in Lusaka and Kitwe. An agreement to the effect was signed in China on Thursday [16th June]. China, under the agreement, will also supply and install two sets of 10-kW FM transmitters at the mass media complex and two 10-kW sets at ZNBC Kitwe studios. (17-07-94/BBCM)

**DX PUBLICATIONS**—Pampas DXing has returned. Edited by the well-known Argentine DXer Julian Anderson, new issue #51 was recently received. It is in a new booklet format with lots of information on SW and MW activities in Latin America. Sample copies are \$2.00 US and a yearly subscription is \$20.00 to Casilla 57, Sucursal 40 (1440), Buenos Aires, Argentina. Julian can be reached on the Internet at: [diego@pinos.com](mailto:diego@pinos.com). (Direct/Chris Lobdell)

# QSL Reports

Sam Barto  
47 Prospect Place  
Bristol, CT 06010



**ASIATIC RUSSIA:** Kragnovarsk Radio 5290 f/d short personal \* ltr. in RS in 178 ds. (D'Angelo-PA). Radio France International 7305 via Irkutsk f/d "Antenna" cd. in 163 ds. (Buer-FL).

**AUSTRIA:** Radio Austria International 9655 f/d cd. in 28 ds. (Mulrean).

**AUSTRALIA:** VLBA 4835 via Alice Springs f/d "ABC" cd. w/ stickers in 16 ds. (Welsh-MO).

**AZERBAIJAN:** Voice of Azerbaijan 15240 f/d form ltr. in 311 ds. for 2 IRCs. (D'Angelo-PA).

**BELGIUM:** Radio Vlaanderen International 11740 f/d "Bruges-Lace Maker Cushion" cd. w/ schedule in 37 ds. (Humenyk-ONT)... Mike Hardester says that RVI has a DX Club. You can write to them at P.O. Box 26, 1000 Brussels, Belgium.

**BOLIVIA:** Radio Frontera 4449.9 p/d "CP9AR" cd. in 3 mo. \* w/ pennant for a SP rpt. (Barto-CT). Radio La Palabra 4732.5 f/d personal ltr. in 2 mo. for a SP rpt. (Field-

**BOTSWANA:** VOA 7280 f/d cd. in 104 ds. (Welsh-MO). MI).

**BRAZIL:** PPR Time Signal Station 8634 p/d ltr. in 27 ds. for EG rpt. and 1 IRC. (Mayer-PA).

**BULGARIA:** Radio Sofia 9700, and 7455 f/d cd. w/ schedule in 148 ds. (Levison-PA). Radio Bulgaria 5895 and 7455 f/d cd. w/ schedule and pennant in 2 mo. (Barto-CT).

**CANADA:** Radio Korea 11715 via Sackville f/d "Kyung Bok Palace" cd. w/ schedule in 68 ds. (Humenyk). Radio Canada International 5960 f/d cd. w/ sticker and pennant in 16 ds.

(Mulrean). CFRX 6070 f/d cd. in 27 ds. (Mulrean-NY). Samo Broadcasting Service 9650 via Sackville f/d "Tropical Evening" cd. in 104 ds. via the Radio Korea relay. (Buer-FL).

**CHILE:** Radio Triunfal Evangelica 5825 f/d ltr. in 24 ds. for a \* SP rpt. v/s Obispo Fernando Gonzalez Segura. (Barrera-Chile).

**COSTA RICA:** Radio For Peace International 9400 f/d cd. in 2 mo. (Barto-CT). Adventist World Radio 9725 via Cahuita f/d "Photo of 1971 Card" in 16 ds. for 2 ms. v/s Adrian Peterson, Co-ordinator of Special Projects. (Buer-FL). f/d "Flower" cd. w/ schedule and stickers in 30 ds. (Welsh-MO). 11869.8 f/d cd. in 23 ds. for \$1.00. (Kusalik-ALB).

**CUBA:** Radio Habana Cuba 6180 f/d cd. w/ ltr. in 6 mo. for 1 IRC. v/s Rolando Palaez, Head of Correspondence Department. (Pankake-MN). 9815 f/d "Lenin Park" cd. in 83 ds. w/ ltr. (Humenyk-ONT).

**EUROPEAN RUSSIA:** Radio Moscow 15345 and 15260 f/d cd. in 1 mo. (Barto-CT) 7150 via Armvayr f/d cd. in 3 mo. w/ calendar and a personal ltr. v/s Eugenia Stepnova. (Field-MI). 12055 f/d "Pushkin Monument" cd. in 5

Q S L

CERTIFICADO DE SILTONIA

RADIODIFUSORA : RADIO ANCASH "LA VOZ DE LOS ANDES"

TRANSMITINDO DESDE : HICARAZ - ANCASH - PERU

FRECUENCIA DE : 4,990 KHz.

POTENCIA : 5 Kw.

AL SEÑOR : JERRY KLINCK

Muchas gracias por su informe de recepción, Tenemos el gusto de confirmar su control de nuestra emisión del día 17 de febrero - de 1,994 a las 6.15 horas de Perú.

*[Handwritten signature]*  
ING. ARMANDO HERNANDEZ SANCHEZ  
GERENTE GENERAL

wks. (Barto). 5905 via Ryazan f/d "Cosmos" cd. in 3 mo. via registered mail. (Field-MI). 15525 and 15540 via Samara f/d cd. in 5 wks. (Barto). 15480 and 12070 via St. Petersburg f/d cd. in 2 mo. (Barto-CT).

\* State Broadcasting Radio Company - 2(SBC-2) 9890 via St. Petersburg f/d "Tower" cd. in 2 mo. for 2 IRCs. This was their



first report from Canada. Schedule and station info. was rcvcd. v/s Mikhail P. Timofeyev, QSL Service.(Kusalik-ALB).

**GHANA:** GBC 4915 f/d "Golden Jubilee" cd. w/ schedule in 34 ds. (Welsh-MO). f/d cd. in 42 ds. (Mulrean).

**GUAM:** KTWR 9870 f/d "Old Spanish Bridge" cd. in 31 ds. w/ sticker and schedule. v/s Kathy Gregovaki. (Humenyk-ONT).

**GUATEMALA:** Radio Cultura TGNA 3300 p/d cd. w/ schedule and ltr. in 3 mo. for \$1.00. v/s Wayne Berger, Chief Engineer. (Pankake-MN).

**HAWAII:** Forum for Democracy 9930 via KWHR f/d "WRMI" cd. in 12 ds. for \$1.00. v/s Jeff White. (Kusalik).  
KWHR f/d cd. in 3 mo. (Welsh-MO).

**NOTES:** Larry Compton write us from the Republic of Singapore. His DX'ing is limited by the big city static and his small receiver - Panasonic RF-B65. Thanks for the letter and hope to hear much more from you in the future. Bill Wilking sent in his last report for a while and will resume in the fall...Make it quick...Sam. Michael Schmitz sent along a very nice 1994 ADDX pennant. It is very beautiful and now adorns the shack wall with the one from Nordic DX Club...Sam.

**HONDURAS:** Radio Internacional 4930 f/d personal cd. w/ sticker and

- \* postcard in 1 mo. (Field-MI). La Voz del Veterano 15674.6 via Radio Copan Internacional f/d prepared cd. in 12 ds. for a SP rpt. and \$1.00. (Kusalik). La Voz del Caribe 15674.6 via Radio Copan Internacional f/d prepared cd. in 12 ds. for \$1.00. v/s Jeff White.
- \* (Kusalik-ALB). Radio Union Liberal Cubano 15674.6 via Radio Copan Internacional f/d cd. in 12 ds. for a SP rpt. v/s Jeff White. (Kusalik).

**HUNGARY:** Radio Budapest 9835 f/d cd. w/ schedule and stickers in 39 ds. for 2 IRCs. (Wilkins-MS). f/d cd. in 37 ds. (Mulrean). f/d "Domokos Endre" cd. in 20 ds. (Welsh-MO). 3955 and 9835 via Jaszberenyi f/d "Cathedral Tower" cd. w/ photos in 82 ds. (Humenyk-ONT).

**INDIA:** All India Radio 11620 f/d cd. in 4 mo. for ms. (Pappas-SD). 7412 and 11620 f/d cd. in 3 mo. on my 2nd try. (Field-MI). 9910 and 7140 f/d "Salim Shah Chestie Tomb" cd. in 6 wks. (Barto-CT).

**ITALY:** Italian Radio Relay Service 7125 f/d cd. in 9 mo. for 1 IRC. (Compton-Singapore)  
RAI 6005 f/d "Enrico Reycend Oil Painting" cd. in 171 ds. (Humenyk-ONT).

**JAPAN:** Radio Japan 9535 f/d cd. in 1½ mo. for ms. (Pappas-SD). f/d cd. in 38 ds. (Mulrean).

**JORDAN:** Radio Jordan 9650 f/d cd. w/ schedule and sticker in 2 mo. after a f/up rpt. v/s Jawad Zada, Director. (Pankake-MN).

**KAZAKHSTAN:** Radio Nederlands 7305 via Alma Ata f/d cd. w/ calendar in 3½ mo. for 2 IRC (Pankake). 9845 f/d cd. w/ sticker in 3½ mo. (Trummel). 12025 f/d cd. in 3 wks. for 2 IRCs. (Kusalik-ALB).

**KOREA, REPUBLIC OF:** 2AP Samoa Broadcasting Service 15575 via Radio Korea f/d "Dance" cd. in 113 ds. v/s W. J. Talber, Director of Broadcasting. (Humenyk-ONT).



**RADIO TRIUNFAL EVANGELICA**  
MISION PENTECOSTAL FUNDAMENTALISTA  
[FRECUENCIA: 828.4MHz]

Santiago, Mayo 24 de 1994

Señor  
CARLOS IVAN BARBOSA  
CALLE 2448  
1000 SUEÑO ATEN  
SANTIAGO

Estimado Mediocochero:  
Este "QSL Carta", que es un documento que acredita que usted ha recibido en la fecha de mayo, entre las 21:15 y 21:48 horas de Chile, en la frecuencia de 828.4MHz en la onda corta, fue efectivamente "RADIO TRIUNFAL EVANGELICA" de Santiago Chile.

Todos los datos de su reporte de recepción, son correctos.

Muchas gracias

Saludo atentamente a usted.

p. Radio Triunfal Evangelica

Fernando Bernal de Aguirre  
Sec. Obisado



PS/STP  
S.O.

TRANSMITINDO DESDE CHILE, SUDAMERICA





**SLOVAK RADIO**  
BRATISLAVA  
P.O. BOX 812 90  
SLOVAKIA

DEAR RADIO FRIEND  
Thank you for your communication regarding  
reception of our transmission

on APR 18, 1993  
at 05:15 - 01:23 GMT

We have checked your data with our log and  
was pleased to verify our programme no  
air on

5430 kHz

GOOD LISTENING AND 73!

VIEW BUILDING OF RADIO BRATISLAVA  
Astor 106 Jof Vlna



JAMES P. CLAR  
41 PICK PARK A  
ROCHESTER  
NEW YORK 14663  
USA



**PERU: Radio Tarma** 4775 f/d  
ltr. w/ sticker and post-  
card and a Peruvian bank-  
note in 6 mo. for a SP rpt.  
and \$1.00. v/s Mario Mont-  
everde Pomareda, Gerente  
General. (Kohlbrener-PA).  
**Radio Maranon** 4835 f/d ltr.  
in 7 mo. on my 2nd try for  
a SP rpt. Schedule was rcvd.  
v/s Alberto Almansa, Direc-  
tor. (Field-MI). **Onda Verde**  
**Radio** 4944.6 my rpt. was  
returned by the PO. (Field-  
MI). **Radio Tropical** 4935  
p/d ltr. in 53 ds. for a  
SP rpt. and \$1.00. v/s Mery



- A. Rengifo Tenazo.** (Paszkievicz).
- PORTUGAL: Radio Canada Internacional** 15325 via **Sines** f/d "Telecom 83" cd. in 24 ds. w/ sticker. (Humenyk-ONT).
- RUSSIA: Radio Moscow** 15320 via **Orak** f/d cd. in 1 mo. (Barto). 17760 f/d cd. w/ schedule in 47 ds. (Levison-PA).
- SLOVAKIA: Adventist World Radio** 9455 via **Rimavska Sobota** f/d cd. in 5 mo. w/ newsltr. and a whole bunch of nice stamps: v/s Iris Manuela Brandl, Production Assistant. (Kusalik-ALB). 7180 f/d cd. in 4 mo. w/ personal ltr. and schedule. v/s Iris Brandl. (Field-MI). f/d cd. w/ personal ltr., schedule and rpt. forms in 5 mo. (Lamb-NY). f/d "Special Edition" cd. in 4 mo. (Trummel).
- SOUTH AFRICA: Radio 2000** 4810 f/d "Logo" cd. w/ schedule in 35 ds. (Levison-PA). **Channel Africa** 15220 f/d cd. w/ sticker in 52 ds. for a taped rpt. and 2 IRCs. (returned). (Compton-Singapore).
- SWEDEN: Radio Sweden International** 15240 f/d cd. w/ schedule in 29 ds. (Mulrean).
- SWITZERLAND: Swiss Radio International** 5905 f/d cd. in 43 ds. (Mulrean).
- TADZHIKISTAN REPUBLIC: Radio Nederlands** 9860 via **Dushanbe** f/d cd. in 3 wks. for 2 IRCs.
- TAIWAN: CBS** 6180 and 11775 f/d cd. w/ large white sticker and brochure in 1 mo. (Barto).
- THAILAND: VOA** 11785 f/d cd. w/ sticker and schedule \* in 38 ds. (Humenyk). **Bangkok Meteorological Radio** 6765 f/d ltr. in 23 ds. for 1 IRC and a taped rpt. (Compton-Singapore).
- UKRAINE: Radio Ukraine International** 11950 f/d "Radio Kiev" cd. in 4 mo. on my 2nd try. (Field-MI).



**РАДИО ВАРНА**

8000 Варна Бун. "Триумфална" 22. Тел. номери 052 / 231 181, 231 297, 223 542  
Факс 052 / 230 211. Телекс: 77506 Триумфалс Варна - Варна 061 100 728 8  
Радионаме - радиостанция Варна - Тел. 052 / 225 317, Факс: 052 / 230 581

Richard A. D'Angelo  
216 Hurley Drive,  
Yonkers, PA 19610  
USA

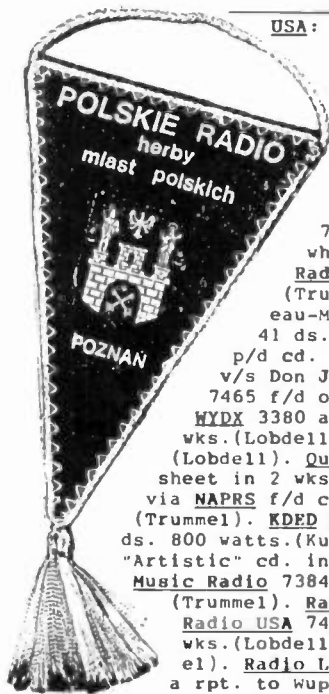
Dear Mr D'Angelo,

This is to confirm your reception of our transmission dated  
28 April, 1991. That was a program designed to service a mari-  
time audience which has been phased out. Our best wishes for  
a Merry Christmas and a Happy New Year.

Very truly yours

*Emelina*  
E. Gilleva

**USA: La Voz de Cuba** 21 7355  
via **WRNO** f/d prepared cd.  
in 12 ds. v/s Jeff White.  
(Kusalik-ALB). **WRNO** 15420  
f/d "Rush Limbaugh" cd.  
in 107 ds. (D'Angelo-PA).  
**WRMI Radio Miami Internat-**  
**ional** 9955 f/d "Logo" cd.  
in 29 ds. for an E-mail  
rpt. (D'Angelo). f/d cd. in  
9 ds. (Paszkievicz). f/d cd  
in 8 ds. w/ sticker and  
ltr. (Stephens-AL). "First  
Day Broadcast" cd. in 10 ds  
for a FAXed rpt. (Lamb-NY).  
same in 12 ds. for 2 ms.  
(Wilkins-MS). **KVOH** 17775  
cd. in 9 mo. (Trummel).



USA: VOA Greenville 7405 f/d "Sunrise" cd. in 7 ds. v/s Dan Ferguson. (Stephens-AL). WYFR 13695 f/d cd. w/ brochure and schedule in 102 ds. (Humenyuk-ONT). WWCR 12160 n/d "Logo" cd. in 3 mo. for \$1.00. (Pankake-MN). Voice of Free China 5950 via WYFR f/d cd. in 1 mo. (Pappas-SD). USA (Pirates): KTVI 7385 f/d cardboard cd. #4 in 2 wks. w/ 2 paper pennants. (Lobdell). f/d cd. in 31 ds. for 3 ms. Addr: PO Box 2024, Faribault, MN 55021. (Comeau-MA). Laser Hot Hits 7415 f/d cd. in 1 mo. (Trummel). f/d red and white cd. in 37 ds. for \$1.00. (Comeau). SPAM Radio 3400 f/d sheet in 2 wks. via Faribault addr. (Trummel). 7385 p/d sheet in 23 ds. for 3 ms. (Comeau-MA). North Jersey Coast Radio 7385 f/d cd. in 41 ds. for \$1.00. (Comeau). Radio Pancho Villa 7415 p/d cd. in 52 ds. for 3 ms. (Comeau). f/d sheet in 1 mo. v/s Don Juan. (Trummel). Radio Bob Communications Network 7465 f/d oversized certificate in 14 ds. (D'Angelo-PA). WYDX 3380 and 7385 f/d red sheets via the BRS addr. in 6 wks. (Lobdell). KULP 7385 cd. in 3 wks. for a WYDX relay. (Lobdell). Quantum State Laboratory 7385 QSL #2 on a f/d sheet in 2 wks. (Lobdell). Radio Stella International 7413 via NAPRS f/d cd. w/ info. sheet and photos in 1 mo. for \$1.00 (Trummel). KDED Voice of the Greatfull Dead 7465 f/d cd. in 20 ds. 800 watts. (Kusalik). f/d large cd. in 10 ds. (Trummel). large "Artistic" cd. in 1 mo. after the first QSL. (Kusalik). Southern Music Radio 7384 via Omega Radio f/d cd. in 1 mo. for \$1.00. (Trummel). Radio Azteca cd. in 21 ds. w/ pennant. (Trummel). Radio USA 7415 "10th Anniversary Birthday Cake" cd. in 10 wks. (Lobdell). NAPRS 7415 f/d yellow cd. in 2½ wks. (Trummel). Radio Lollipop 7415 and 7407 2 f/d cds. in 3½ mo. for a rpt. to Wuppertal, Germany. (Trummel). The International Voice of Global Free Radio 3400 f/d cd. in 2 wks. (Trummel). Radio Esoterica 7385 p/d cd. in 1½ mo. (Trummel). XEROX / Radio Dupli-cado 7385 f/d cd. w/ ltr. in 1 wk. v/s Batrum Sambo Jr. (Trummel)... Saved the best for last...Sam.

UZBEKISTAN: Radio Tashkent 9540 f/d cd. w/ schedule, report forms and a postcard in 6 mo. for \$1.00. (Pankake-MN).

VIETNAM (South): Gia Lai Broadcasting Station 4788 f/d cd. via Hanoi in 2 mo. for \$1.00. (Kohlbrener-PA).

I guess this will end another QSL Column. This is one of my shortest QSL Columns. Usually I have a few reports left over. Must be the vacation season. Reports will pick up...they usually do...Sam.

Best of DXing and QSLing.

Sam



# Contributors' Page

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

## LOGGINGS CONTRIBUTORS - August 1994 - DEADLINE 10th of MONTH

The following members contributed loggings:

Brian ALEXANDER , Mechanicsburg , PA	NRD 535D Vs Longwires
Jerry BERG , Lexington , MA	R8 R390A HQ180A 150' LW
William BROWN, Branson, MO	R8
Richard D'ANGELO , Wyomissing , PA	R8 FL3 AD Sloper Farley Loop
William DAVENPORT , Nashville , TN	DX380 ICF7601 ANI
Marie LAMB , Brewerton , NY	HF150 ATS803A DX375 MFJ10610 60MLW Indoor Dipole
Harold LEVISON , Philadelphia , PA	R8 R70 D2999 Indoor LW
John MacDONALD, Poulsbo, WA	NRD535 75' LW
William McGUIRE , Cheverly , MD	DX380
David L. MORASLO, Grafton, WV	R8 ATS803A DX360 250' LW Dipoles
Ed NEWBURY, Bridgeport, NE	R8 R5000 70' Windom
Sheryl PASZKIEWICZ, Manitowoc, WI	NRD515 NRD525 60' LW Eavesdropper
Ed RAUSCH , Cedar Grove, NJ	R5000 Sony2010 MFJ959 Eavesdropper 300' Dipole
Doug ROBERTSON, Oxnard, CA	DX302 FRG8800 FRA7700
Betsy K. ROBINSON, Clinton, TN	Sony 2010 Indoor Telescopic Antenna
Giovanni SERRA , Rome , ITALY	NRD525 AD Sloper
Todd SMITH, Norwalk, CT	DX350
Jack THOMPSON , New York , NY	Grundig YB400 ICF SW33

Hello again. The awful hot humid conditions continue here! I think I've been working out in the sun too long. The affect is similar to being forced to listen to Radio Pyongyang, Radio Tirana, or the long wave beacons for an extended period of time, irreversible brain damage could result! I hope that this is not my fate. I've taken to wearing a hat in the sun, and only listened to North Korea immediately after the reported demise of the "Great Leaded".

Since we're in the midst of the summer doldrums there's not much else to report.

Keep cool! See you next month.



# Tropical Band Loggings

2000-5900 kHz

Sheryl Paszkiewicz  
1015 Green Street  
Manitowoc, WI 54220



Welcome to the August issue. I hope everyone is having a good summer. Another new Honduran this month on 4960.

- 2310 AUSTRALIA ABC Alice Springs 7/10 1048 70s pop mx & discussion fair (Brown-MO)
- 2325 AUSTRALIA ABC Tennant Creek 7/10 1059 discussions (Brown-MO)
- 2485 AUSTRALIA ABC Katherine 7/10 1100 watery sigs but //above two stations (Brown-MO)
- 3220 ECUADOR HCJB 7/10 1006 w/tlk & mx, only fair w/static & fax QRM (Brown-MO)
- 3279.7 ECUADOR LV del Napo 7/10 1035 OM tlk over flutes (Brown-MO) 7/3 1000 SP/lang, ID, ment Tena, band & trumpet mx, tlk, fair (Robinson-TN)
- 3289.9 ECUADOR R Centro 7/10 1019 morning pgm of huayños & many IDs fair but lots of QRM (Brown-MO)
- 3290 NAMIBIA NBC 7/03 0049 w/Both Sides Now, moderate to good w/ big ute station QRM (Brown-MO)
- 3300 GUATEMALA R Cultural 7/3 0015 EG rel pgm (Brown-MO) 7/3 0612 SP pop mx, poor (Morasco-WV)
- 3310t SOUTH AFRICA SABC 6/19 \*0357-0405 weak w/IS, tlk, too weak to catch further details (Alexander-PA)
- 3315 ADMIRALTY ISL R Manus 7/10 1100 rel vcls & EG rel service (Brown-MO)
- 3356 BOTSWANA RB 7/2 0433 soul mx, ment upcoming nx, EG annmts //4830 (Paszkiewicz-WI)
- 3366 GHANA GBC 7/11 2341 EG Dolly Parton & other C&W mx, ID, drums, TC, nx (Lamb-NY) 7/03 0019 vy strong w/Lionel Ritchie (Brown-MO)
- 3375 NEW GUINEA R Western Highlands 7/10 steady but fair w/South Pacific chorus (Brown-MO) time?
- 4755t BRAZIL R Ed. Rural 6/4 1100 TC, PT mx, echo annmts, ment Campo Grande, poor w/tent ID (Davenport-TN)
- 4765 BRAZIL R Rural 6/4 0030 canned ID, annmts, PT pops, good (Alex.)
- 4765 CONGO R Congo 6/21 0514 FR instls, R Congo IDs, Afr mx, drums into nx (Lamb-NY) 6/5 0500 FR tlks, drums, IDs, Afropops, good //5985 (Alexander-PA) 7/4 0430 FR over trad Afr mx, FR IDs 0500 nx (Rausch-NJ)
- 4799.8 GUATEMALA R Buenas Nuevas 6/5 to 0331\* SP tlk, ID, folk mx, weak (Alexander-PA) 6/3 0059 rel tlks, tent ID, muttered audio poor lvl (Davenport-TN)
- 4810 SOUTH AFRICA R 2000 6/3 0045 in lang w/EZL mx, little tlk, poor (Davenport-TN)
- 4820 HONDURAS HRVC 6/2 2341 rel tlk, ID, poor but improving (Davenport-TN)
- 4824.3 PERU LV de la Selva 6/4 to 0308\* tlk, annmts, SP rap, pops, IDs s/off w/NA, fair (Alexander-PA)
- 4832.2v MAURITANIA ORTM 6/19 0635 drifting w/Koran, tlk, lcl mx, on 4828.3 at 0700 (Alexander-PA)
- 4835p AUSTRALIA ABC/CAAMA Alice Springs 6/26 0829\* EG pop mx, Moody Blues, ment Australia (Lamb-NY)
- 4835 MALI RTV Malienne 6/19 1957 instl mx, bonsoir, nx w/mx bridges correspondents (Serra-ITALY)
- 4835.2 GUATEMALA R Tezulutlan 6/16 0258 long tlk, marimbas, ID w/IS arrangement, mensajes, lcl mx, fair (Serra-ITALY) 6/2 0003 young sounding annr w/rel & lcl mx (Davenport-TN)
- 4845 GUATEMALA R Kekchi 6/5 to 0306\* SP/Kekchi rel tlk, ranchera mx, ID 0253, closing w/ID & FC, poor (Alexander-PA)
- 4851 ECUADOR R Luz y Vida 7/10 1029 EZL vcls fading up from QRM (Brown-MO)

4870 BENIN ORTB 6/20 2204 FR Afr mx, ID, tlks, ment Cotonou (Lamb)  
 4885 BRAZIL R Clube do Para 6/16 0339 mx, canned tlk, IDs, covered  
 by other stn at 0343 (Serra-ITALY)  
 4904.8 PERU R La Oroya 7/22 1005 Andean vcls, buenos dias, TC, ID  
 (Paszkievicz-WI)  
 4914.7 PERU R Cora 7/10 1041 IDs & assorted mx, good (Brown-MO) 6/16  
 0345 folk songs, ID, ads, TC, promos (Serra-ITALY)  
 4915 GHANA GBC 7/3 0021 rel pgm in lang, folk mx, tlks (Brown-MO)  
 6/16 0620 EG nx, good sig w/QRN (Newbury-NE) 6/2 2320 tlk &  
 Afr mx (Davenport-TN)  
 4920 ECUADOR R Quito 6/29 0451 ads, ID, FC, Axel F theme, nx,  
 Indian Love Call, s/off mx (Lamb-NY)  
 4925 BOLIVIA R San Miguel 6/23 0926 Bolivian mx, tlks, ID, ment  
 La Paz (Lamb-NY)  
 4930 DOM REP R Barahona 7/11 0216 Julio Iglesias, YL anncr, ID  
 fair (Lamb-NY)  
 4930.6 HONDURAS R Internacional 4/25 1130 buenos dias, long tlk in  
 monotone, promos & jingle (Newbury-NE) 6/4 1005 ballads, IDs  
 annmts, San Pedro Sula addr, no sign of Barahona since 5/23  
 (Davenport-TN)  
 4957.5 AZERBAIJAN Vo Azerbaijan 6/28 1856 lcl songs, tlk in Azeri/EG  
 IS, canned EG ID, nx (Serra-ITALY)  
 4960.3 HONDURAS HRET 6/29 0151 contemporary Christian mx, call ltrs  
 ment sev times, tlk abt Bible (Lamb-NY) 7/3 to 0208\* Christian  
 mx, many TCs, also 7/6 to 0206\* w/addr HRET, Mision la  
 Mosquitia, Puerto Lempira, Gracias A Dios 23101, Honduras,  
 closing in both SP/lang (Berg-MA) 6/30 0117-0145 mx, ID sounds  
 like R Emanuel, TCs, call ltrs, hymn. Tnx Lamb/Klemetz for  
 help w/ID (Paszkievicz-WI)  
 4965 BRAZIL R Alvorada 6/23 0910 tango & disco mx, echo tlks, IDs  
 slogans, fair (Lamb-NY)  
 4980 VENEZUELA Ecos del Torbes 6/4 1120 relay of R Rumbos morning  
 pgm, good (Davenport-TN)  
 4990 INDIA AIR Bhopal 7/4 0025 Hindi tlk, SC mx to 0045\* //11620  
 (Rausch-NJ) I think this is still Madras--sp  
 4990 NIGERIA R Nigeria Lagos 6/20 2214 EG Afr mx, 2215 nx, remote  
 rpt, ID w/World Cup promo (Lamb-NY)  
 4991 PERU R Ancash 7/2 1000 ID, tlk of esperanza, band/vcls, kids  
 singing (Robinson-TN)  
 5000 VENEZUELA YVTO 6/2 0809 TP, annmt each minute, ID over WWV &  
 WNVH (D'Angelo-PA)  
 5005t BOLIVIA R Libertad 6/18 0525 SP tlk, mx, fair (Newbury-NE)  
 5019 COLOMBIA Ecos del Atrato 7/12 0323 LA pops, ID, ment Quibdo  
 Caracol promo (Lamb-NY)  
 5020 NIGER LV du Sahel 6/27 0539 FR Afr mx, tlks, ID, flute & drums  
 into world nx (Lamb-NY)  
 5020 SOLOMON ISL SIBC 6/19 1100 YL chit chat, EZL mx, good sig  
 (Davenport-TN) 6/25 0940 R Australia World Cup coverage, ID  
 1000 to nx (Rausch-NJ)  
 5025 CUBA R Rebelde 6/8 0225 SP really garbled, better on USB  
 (Newbury-NE) 6/3 0130 futbol, good at times (Davenport-TN)  
 5034p CENT AFR REP RTV Centafricaine 6/20 2226 FR tlk, poss. ID,  
 hilife & vcl mx, fair (Lamb-NY)  
 5040 COLOMBIA LV de Yopal 6/2 0820 ment Colombia, TCs, ment Caracol  
 nx, ad strings not //5075 or 6170. On 6/5 hrd LV de Yopal ID  
 (D'Angelo-PA) 6/29 0156 songs, canned IDs, jingles (Serra)  
 7/3 0140 futbol, ment Caracol, Colombia, Yopal, sfx, players'  
 names (Paszkievicz-WI)  
 5047 TOGO Rdf. Togolaise 6/20 2242 FR Charles Aznavour concert, ID  
 nx, Kansas song (Lamb-NY) 6/16 0630 FR tlks (Newbury-NE)

5055 SWAZILAND TWR 7/2 to 0430\* GM rel pgm, IS, sig over Cayenne (Paszkiewicz-WI)

5056 FRENCH GUIANA RFO Cayenne 7/3 0636 FR nx, M anncr, poor (Morasco-WV) Tnx for writing!--sp

5075 COLOMBIA Caracol 7/5 0637 tlc of World Cup & Escobar funeral, ment corruption in Colombia, ID (Robertson-CA) 6/16 0635 tlks, promos, ID (Newbury-NE) 7/3 0638 ID, nx, mx, fair (Morasco-WV) 6/4 0300 Caracol ads, short nx, mx (Davenport-TN)

5252nf BONAIRE R Nederland w/Canal de Caracol, mx bridges, SP tlc, ID on 7/06 0505, also \*0527 IS, R Nederland pgm in DT, nx ID (Robertson-CA)

5685 USA WWCN 7/3 0641 rel discussion //5935, fair (Morasco-WV)

5850 USA Monitoradio 6/4 2359 ID, nx pgm in EG, good (Davenport-TN)

5882 VATICAN Vatican R 6/27 0510\* in lang w/class mx, W anncr, IS fair w/QRN (Lamb-NY)

5890nf BRAZIL SRI Relay ex-5905 7/19 0123 w/EG, SP & FR pgms, IDs site presumed (Lamb-NY)

Tnx to everyone who contributed. Last time I referred to the NASWA pgm on DX Party Line as Notes from NASWA. It should be News from NASWA. This month reporters from 10 states & 1 foreign country. Tnx ED RAUSCH for the addr on HRET 4960. Said they requested donations on the air. Welcome to new reporter DAVID MORASCO from Grafton, WV. His main receiver is a Drake R8 and he also has portables. David does some utility monitoring/decoding too. I like the quote on your calling card.

Next deadline is August 19.

FOR SALE: Hammarlund HQ-180 general coverage receiver with matching external speaker. Both units are in excellent condition. \$280.00. Victor Barz, 8198 T-Drive North, Battle Creek, MI 49017-9437. Phone (616) 965-4529 anytime.

FOR SALE: Attractive bright red on white vinyl bumper stickers: "DXers do it with such frequency, it HERTZ!" \$2.00 each postpaid from Jerry Klinck, 43 Lein Road, West Seneca, NY 14224.

FOR SALE: Customized beam headings (from/to) and distances (MI/KM) to over 480 WRTH transmitter sites including new Russian Republics. ITU Country Codes included. Send your location or coordinates, \$6.95. NASWA Journals '91 and '93 complete, \$10.50 a year or \$20.00 for both. WRTH '91, \$8.95. WRTH '93, \$9.95. "Passpoet to World Band Radio" '92, \$7.95. All items include shipping (overseas shipping extra). Money Order or Cashiers Check only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398. No collect calls, please.

WANTED: WRTH 1982, 1976, and pre-1975. I have other WRTH's from the 1980's to trade. Jim Olson, 3442 North Cook Road, Powder Springs, GA 30073. Phone (404) 429-8189.

WANTED: Can anyone supply an original or copy of the Owners Manual for the Realistic 160? I will reimburse for copy and postage charges. Dan A. Unruh, 702 East 1st, Apt. B-4, Ellensburg, WA 98926.

# International Band Loggings

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



- 6005 GERMANY Deut R in GM 0036, soft rock/oldies mx, ID, former RIAS (D'Angelo PA 6/28)
- 6015 CANADA R Austria relay in EG 0652, class mx, ID, report on nuclear power (Morasco WV 7/3, Newbury NE 6/16, McGuire MD 6/18)
- 6015 BELGIUM R Vlaanderen in EG 0632, nx, wx, pops, ID, //9925 (Serra ITALY 6/11)
- 6020 HOLLAND R Nederlands in EG \*2330, sked, SW /DX nx items, tlk re Pakistani bagpipes (Thompson NY, McGuire MD 6/13, Morasco W V 6/29, Levison PA 6/17)
- 6025 DOMINICAN REPUBLIC R Amanecer in SP 0230, relig reading, ID, mx (Anderson MI 5/30)
- 60404 BRAZIL R Clube Paranaense in PT 0920, sfx, ID, ment ondas curtas (Paszkievich WI)
- 6050 NIGERIA R Nigeria in EG 2246, continuous pop mx/vcls, ID, TC, nx, f (D'Angelo PA 6/11)
- 6055 JAPAN R Tampa in JP 0847, B Streisand & other pops, ID, nx, //9595 (Lamb NY 6/25)
- 60899 NIGERIA R Nigera in EG/Hausa 1707, nx, IDs, tlk in Hausa, chants (Serra ITALY 6/21)
- 6090 BRAZIL R Bandierantes in PT 0655, DJ's, mix of pop & C&W mx (Newbury NE 6/16)
- 6115 PERU R Union in SP 0502, slogan, children's choir, LA pop mx, f (Lamb NY 7/1)
- 6120nf? NEW ZEALAND RNZ in EG 1000, IDs, American pop songs, g (Robinson TN 6/30)
- 6135 SWITZERLAND SRI in IT 0305, national nx, tlk re Isreal, g (McGuire MD 6/9)
- 6150 COSTA RICA AWR in SP/EG 0720, contemp Chnstian mx in SP/EG, f (Lamb NY 6/23)
- 6155nf SWEDEN RS in EG \*0229, IS, ID, ex 6040, "60 deg North", //9850 (Lamb NY 6/17)
- 61709 COLOMBIA LV de la Selva in SP 0449, vcls, ID, TC, Big Ben, nx (Paszkievich WI)
- 6185 MEXICO R Educacion in SP/EG 0445-0700, SP rock mx, bilingual anncr, XEPPM call sign, "Your friendly frequency in Mexico City" (Morasco WV 7/3, Lamb NY 7/1)
- 6576 NO KOREA R Pyongyang in EG 1120, cmntry on Korean Socialism (Newbury NE 6/9)
- 7100 IRAN VOIRI in EG 0035, mx, Koran chants, ID, nx re Bosnia & Korea (McGuire MD 6/12)
- 7125 SWAZILAND TWR in Chewa 0545\*, African mx, tlks, handbell IS, f-p (Lamb NY 7/3) in EG 0500, ID, gospel reading, into lang? 0515, p (Anderson MI 6/12)
- 7150 GERMANY Deut Welle in EG 0400, African nx, ID, cmntry, f (Anderson MI 6/12)
- 7265 GERMANY Sudwestfunk in GM 2245, ezi mx, pips, TC, ID, QTH, fgy (Rausch NJ 7/2)
- 7280 BOTSWANA VOA relay in EG 0407, nx of Rwanda warfare, ID, f (Robertson CA 7/4)
- 7295 MALAYSIA Radio 4 in EG 1400, "American Top 40", exc (MacDonald WA 7/2)
- 7375 COSTA RICA RFPI in EG 0705, feature, ID, QTH, IS (Morasco WV, Robertson CA 7/3)
- 7475 TUNISIA RTVT in AR 0430, Koran, AR mx, ID, f (Anderson MI 6/12)
- 7535nf USA WSHB in EG 0131-0157\*, nx re Haiti, mailbag, site ID, former 5850 (Lamb NY 7/13)
- 9435 ISRAEL Kol Israel in EG 0400, ID, interview PM, wx, lcl nx, f (McGuire MD 6/14)
- 9445 TURKEY VOT in EG \*2200, nx, ID, press review, //7185 (Serra ITALY, Thompson NY)
- 9475 EGYPT R Cairo in EG 0200, ancmnts, lcl mx, distorted audio, //11600 (Alexander PA)
- 9515 CANADA BBC relay Sackville in EG 1645, Wimbledon tennis coverage (Newbury NE)
- 9540 SPAIN SNR in EG 0000, IS, NA, ID, sked, nx re lcl elections (Smith CT, McGuire MD)
- 9580 PORTUGAL D Welle relay in EG 0230, jazz mx, ID, fgy (McGuire MD, Newbury NE)
- 9615 ALASKA KNLS in EG 0844, interview, IDs, relig tlk, QTH, IS, into RS 0901 (Lamb NY)
- 9660 AUSTRALIA ABC Brisbane in EG 0720, nx, Formula racing results (Morasco WV 7/3)
- 9675 PAPUA NEW GUINEA NBC in EG 1034, tlks, TC, ID, nx 1100 (D'Angelo PA 6/28)
- 9700 BULGARIA R Bulgaria in \*2100, world nx, ID (Thompson NY, McGuire MD) in EG/GM 1946, features, BG folk mx, "Spectrum", into GM 2000 (D'Angelo PA 6/11)
- 9715 NETHERLAND ANTILLES RN relay in DT/EG 0554, mx, ID, sports nx (Robertson CA)
- 9735 PARAGUAY RN de Paraguay in SP 2330, ID, futbol nx, lcl mx (Robinson TN, Lamb NY)
- 9770 UNITED ARAB EMIRATES Abu Dhabi in EG 2220, ID, cmntry, "Capitol Radio daily press review", "Islam a colorful mosaic" (Robinson TN 6/25, Thompson NY 6/13)
- 9780 MALI China R Int in EG 0007, melodic oldies, nx (Thompson NY, Levison PA 6/12)
- 9785 GUAM KTWR in CH 1510, YL tlk, upbeat relig mx, ID 1530\* (Rausch NJ 6/13)
- 9835 HUNGARY R Budapest in EG 0105, polit & econ nx (McGuire MD 6/16) in HG 0218, ethncc mx, IS trumpets, ID, into EG 0300, g (Levison PA 6/6)
- 9840usb HOLLAND R Nederlands in EG 0040, nx re French troops in Rwanda (Morasco WV 6/29)
- 9860nf? AUSTRALIA RA in EG 0725, tlk on early inventions (phones, planes) (Morasco WV 7/3)
- 9900 EGYPT R Cairo in EG 2215, AR mx, ID, p (McGuire MD 6/11)
- 9925 BELGIUM R Vlaanderen in GM 1850, World Cup Belgium vs Germany (Rausch NJ 7/2)

9955 USA WRMI Miami in EG \*0054, first bcst, IS, ID, ad for EDXC conf, f-g (Lamb NY 6/14)

11335 NO KOREA R Pyongyang in EG 1100, usual propaganda against US (Newbury NE 6/20)

11570 PAKISTAN RP in EG 1700, nx, cmntry, ID, //7485 (Serra ITALY, Anderson MI 6/24)

11680 FRENCH GUIANA China R Int relay in EG 0425, traditional CH mx, ID (Robertson CA 7/4)

11700 GABON RFI relay in FR 0640, tlk re S Afrca, ID, jingle, nx re World Cup (Lamb NY 6/23)

11710 ARGENTINA RAE in EG/FR 0250, tango mx, into FR 0300, f (MacDonald WA 6/28)

11750 ASCENSION IS BBC relay in EG 0125, "Day in the Life of Healthrow" (Rausch NJ 6/27)

11755 FINLAND YLE in EG 0441, "Business Daily", press review, ID, class mx (Lamb NY 6/15)

11800 ITALY RAI in EG 2027, election nx, IDs, nx re fashions & films, IT pops (Lamb NY 6/27)

11810 GERMANY Deut Welle in EG 1918, feature, ID, "Pop in Germany", f (Serra ITALY 6/19)

11827 FRENCH POLYNESIA RFO Tahiti in FR 0621, DJ, island mx, ID, f-p (Robertson CA 7/3)

11830 BRAZIL R Anhanguera in PT 0002, ID, MW relay, nx (Rausch NJ 6/29)

11870 YUGOSLAVIA RY in EG 0012, nx & cmntry read by M, exc (Thompson NY 6/14)

11885 UNITED ARAB EMIRATES Abu Dhabi in AR 0017, AR mx, nx, f (Morasco WV 6/29) in EG 2205, AR mx, bubble jamming, f-p (Newbury NE 6/17)

11890 SPAIN REE in SP 0549, tlk by M, SP folk mx, ID 0600, f-g (Robertson CA 7/5)

11900 NEW ZEALAND RNZ in EG 0705, national nx, ID, native mx, f (McGuire MD 6/20)

11910 KUWAIT R Kuwait in AR 1700, ID, nx re Arafat & Mideast, f (Robertson TN 6/26)

11910 AUSTRALIA RA in EG 0732, request mx, "My Kind of Life", g (Morasco WV 7/3)

11925 GABON R Japan relay in EG 2125, "Media Roundup", ID, "Viewpoint", g (Lamb NY 7/10)

11925 MALTA VoMediterranean in EG 1401, folk/pop mx, tlk, ID, feature (Serra ITALY 6/11)

11925 ECUADOR HCJB Quito in EG 0459, nx of Escobar funeral, mx (Robertson CA 7/3)

11955 JORDAN R Amman in AR 0306, nx, features, vcl sels, f/o 0330 (D'Angelo PA 6/27)

12000nf JORDAN R Amman in lang? 2330, AR mx, tlk, lite instms, //11940 (Alexander PA 6/18)

12005 test ECUADOR HCJB Quito in EG 0100, "What's Cooking", ID, feature, g (Lamb NY 6/24)

12175 RUSSIA R Rossi feeder in RS 1921, jazz, "Beverly Hills Cop" theme, ID (Lamb 6/20)

13620 KUWAIT R Kuwait in AR 1329, Italian mx, ID, AR songs, tlks (Serra ITALY 6/11)

13675 UNITED ARAB EMIRATES Dubai in AR 2012, ME mx, rel tlk, ID, NA, nx (Lamb NY 6/20)

13710 BOTSWANA VOA relay in EG 1700, ID, international nx (Rausch NJ 7/4)

13750 ISRAEL Kol Israel in HB 2050, song by Sting, ad, ID, world nx, //11587, 15615 (Lamb 6/20)

13750nf INDIA AIR in EG 0020, Indian mx, EG nx 0030, f (MacDonald WA 6/26)

13830 CROATIA Croatian R in CR 2230, ID, nx re Bosnia, pop songs, g (Robertson TN 6/25)

15060 SAUDI ARABIA BSKSA in AR 1308, AR songs, tlk, ID, //15175, 15380 (Serra ITALY 6/11)

15115 AUSTRALIA RA in EG 0030, business nx, wx, ID, g (Anderson MI)

15280 HONG KONG BBC relay in EG 0400, "Newsdesk", g (MacDonald WA 7/11)

15290nf MOLDOVA R Dniester Intl in EG \*2029-2100, sion ID, nx, press review, names of those sending reception rpts, IS, sports (D'Angelo PA, Paszkiewicz WI, Anderson MI)

15290 UKRAINE RMWS in EG 1300, nx, "Science & Engineering", top tunes (D'Angelo PA 6/26)

15325 SEYCHELLES FEBA in AR 0410, orch mx, tlk, p (MacDonald WA 7/11)

15350 LUXEMBOURG R Luxembourg in GM 0032, mx sels, some vcls, g (Levison PA 6/16)

15400 ASCENSION IS BBC relay in EG 0618, "This Week in Africa", //9600 (Serra ITALY 6/11)

15400 FINLAND R Finland in EG 1230, rpt on pollution in Finland, p (McGuire MD 6/10)

15445 FINLAND R Finland in EG 0800, ID, nx, "Studying in Finnish", //17800 (Serra 6/11)

15445 BRAZIL Radiobras in EG 1220, ID, mx, cmntry, feature tlk (Newbury NE 6/7)

15450 AUSTRIA RAI in EG 0831, nx, ID, Austnan referendum on Eur Union (Serra 6/11)

15505 SWITZERLAND SRI in IT 2303, nx, "Il Quotidiano" ID, //9810, 9885, 12035 (Serra 6/9)

15575 SO KOREA R Korea in IT/EG 2045, nx, ID, feature, into EG 2100 (Anderson MI 6/24)

15675 HONDURAS R Copan Int in EG 2109, ad for EDXC conf, mailbag, ID (Lamb NY 6/20)

17630nf FRENCH GUIANA RFI relay in FR 2135-2156", tlk, ID, remote rpt, jazz, IS (Lamb 6/20)

17655 NETHERLAND ANTILLES RN relay in EG 1855, class & opera mx, g (Levison PA 6/28)

17790 SINGAPORE BBC relay in EG 0115, feature pgms, ID, TC, nx (Rausch NJ 7/4)

17795 AUSTRALIA RA in EG 2355, tlk on diabetes danger, nx, g (Morasco WV 6/28)

17860 AUSTRALIA RA in EG 0515, "OZ Sound" mx pgm, ID, "One World", g (Lamb NY 7/9)

17880 AUSTRALIA RA in EG 0434, internatl rpt, ID, //17750 (Serra ITALY 6/16)

17895 MOROCCO VOA relay in EG 1725, "VOA Newslne", ID, class piano (Rausch NJ 7/4)

21600 GERMANY Deut Welle in EG 1102, nx, ID, feature, many parallels (Serra ITALY 6/12)

.....

This month's column does not look like those in previous months since my 10 year old printer has gone Sayonara. My youngest daughter permitted me to use her up-to-date computer and after much trauma and stress getting use to the elusive "Mouse", I managed to bang out the above effort. Next month, I hope to use my own new computer (Dell 486) and, hopefully, I will have tamed the elusive Mouse. We had a rather scanty turnout this month but I'm confident that listening will pick up this Fall.

.....

# English Schedules

Tom Sundstrom  
 P.O. Box 2275  
 Vincentown, NJ 08088-2275  
 Fax: 609-859-3226  
 Internet: 2446376@mcimail.com  
 Genie: T.SUNDSTROM



Prepared 7/28/94 at 10:05 PM.

For August, thanks to Jonathan Marks (R Netherlands) and Andy Sennitt (WRTH).

What's in a name? Radio Korea is changing its name to Radio Korea International on August 15, it's 41st anniversary. The IS isn't changing, but the jingles will. And I note that Spanish National Radio is once again Radio Exterior de España, and *DX Spot* is now called *Distance Unknown*.

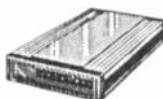
Thanks to Jim Lane of Toronto for a bunch of new station graphics: Kol Israel, RAI, R Sweden, RDP, RFPI and R Romania Intl. We're always on the lookout for stuff we can scan for use in these pages. Do you have any to share?

Speaking of RFPI, their 9400 kHz outlet was out of service in late July and may still be out as you read this. Audio distortion and



other assorted ills were (are) to blame. The 41m outlet has been put on earlier in the day to compensate.

The Pics OnLine BBS is sporting a new 28.8k V.FC V.34-ready modem on 609-753-1549. When the modem



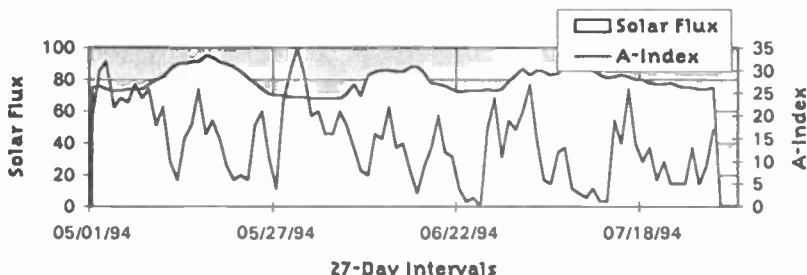
flash ROM update is available later this summer, V.34 will be added. Telephone line conditions have limited our connects to 26.4k, but we're still moving data at better than 2800 cps (versus 1500 at 14.4k). The "good-bye" screen lists four numbers for different modem capabilities. Select the one best for you. For those of you who may not



know, the BBS sports over 400 message areas and 9 gigabytes of files on 6 lines; the message areas include the FidoNet Shortwave Echo and the Internet

rec.radio.shortwave (as well as a host of other radio-related ones).

## SOLAR FLUX & A-INDEX: MAY-JUL 1994



<p>Authorized Dealer            &amp; Skywaves Antennas</p>	<p><b>PC Software by W2XQ</b>          English Language SWBC Schedules          JRC/Kenwood/Lowe Receiver Control          TRS Time for Windows™</p>	<p>Send # 10 SASE (2 IRCs) for catalog or download          TRS_CAT.EXE off the Pics OnLine! BBS at          609-753-2540.</p>
--	--	--

TRS CONSULTANTS, PO Box 2275-NA, VINCENTOWN, NJ 08088-2275

Internet 2446376@mcimail.com

# SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)								TARGET AREA	NOTES	Last Update	
<b>0000</b>														
0100	USA	WSHB/1	7535	7535							eNAm/Carb		07/13/94	
<b>0030</b>														
0430	Ecuador	HCJB	214550	174900	12005	9745					NAm		07/01/94	
0100	Sweden	R Sweden	9810	6065							LAm		07/24/94	
<b>0100</b>														
0200	Japan	R Japan	9680	5960							GOS:NAm		07/15/94	
0130	Switzerland	Swiss R Int'l	9885	6135	5888						NAm/CAM		07/23/94	
0200	USA	WSHB/1	7535								cNAm		07/13/94	
<b>0130</b>														
0145	Albania	R Tirana	11840	9580							NAm		07/09/94	
<b>0200</b>														
0300	Russia	R Moscow Int'l	15425	11805	11665	9765	9620	9530			World Service		07/24/94	
<b>0230</b>														
0257	Albania	R Tirana	11840	9580							NAm		07/09/94	
0300	Sweden	R Sweden	9850	6155							NAm		06/23/94	
<b>0300</b>														
0400	Japan	R Japan	9680								GOS:NAm		07/15/94	
0700	Lebanon	Wings of Hope	9960								ME	Su	06/28/94	
0400	USA	VOA	9885	9575	7430	7405	7280	7265	7105	1530	909		07/22/94	
<b>0330</b>														
0400	Sweden	R Sweden	9850	6155							NAm		06/23/94	
<b>0400</b>														
0430	Switzerland	Swiss R Int'l	11620	9885	9860	6135						NAm	11620 -05	07/22/94
0430	USA	VOA	9575	7405	7280	7265	1530	909				Africa		07/22/94
<b>0500</b>														
0600	Japan	R Japan	11885	9725	9680							GOS:NAm		07/15/94
0520	Vatican State	Vatican Radio	6245	3950	1530	527						Eu		07/17/94
<b>0600</b>														
0610	Vatican State	Vatican Radio	15210	11740	9645	7250	6245	3950	1530	527		ME/Eu/wCIS	Mo-Sa European 1st p	07/18/94
0630	Yemen	Rep of Yemen R	9780									ME		07/14/94
<b>0830</b>														
0845	Armenia	R Yerevan	17770	15400	15170							Eu	Su	07/27/94
0900	Slovakia	R Slovakia Int'l	21705	17535	11990							Aus		07/18/94

# SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)								TARGET AREA	NOTES	LAST Update	
<b>0900</b>														
1000	Russia	R Moscow Int'l	15500	15355	15105	12020	11900	11805			World Service		06/27/94	
0930	Switzerland	Swiss R Int'l	21820	13685	11640	9885					AusNZ		07/22/94	
<b>1000</b>														
1100	Russia	R Moscow Int'l	12020	12010	11400	11805	11705			World Service	25m	06/27/94		
1015	Vatican State	Vatican Radio	21730	15210	11740	6245	1530	527			meA/ME/Eu	Mo-Sa European 1st p	07/18/94	
<b>1300</b>														
1630	Lebanon	Wings of Hope	9960							ME	Mo-Sa (Su -15)	06/28/94		
<b>1400</b>														
1500	Italy	AWR Europe	7230							Eu/A/ME		07/14/94		
1500	Morocco	R-TV Morocco	17595								Su	07/14/94		
<b>1600</b>														
1613	Albania	R Tirana	9760	7155						UK		07/09/94		
1630	Georgia	R Georgia	11910							Eu		07/23/94		
1630	USA	VOA	15445	15410	15225	13710	12040	1530			Africa	Sa-Su	07/22/94	
<b>1615</b>														
1630	Vatican State	Vatican Radio	9645	7250	6245	1530	527			ME/eA/wEu	European 1st pgm	07/17/94		
<b>1630</b>														
1700	USA	VOA	15445	15410	15225	13710	12040	1530			Africa		07/22/94	
<b>1645</b>														
1700	Tajikistan	R Tajikistan	7245	1143	648					Aa		07/23/94		
<b>1700</b>														
1755	Poland	Polish Radio Warsaw	7285	7270	5995					Eu		07/18/94		
1730	USA	VOA	15445	15410	13710	12040	1530			Africa		07/22/94		
<b>1730</b>														
1800	USA	VOA	17895	15445	15410	13710	12040	909			Africa		07/22/94	
<b>1800</b>														
1830	Albania	R Tirana	9730	7260	1395					Eu		07/02/94		
1830	Nonway	R Nonway Int'l	15220	11890	9590	5960				eA/Eu/ME/wA/	Su only	07/10/94		
1900	Russia	R Moscow Int'l	15520	15500	15290	15180	15105	11745	11630	9880			07/10/94	
1900	USA	VOA	17895	17800	15580	15410	13710	13680	12040	7415	909			07/22/94
1830	Yemen	Rep of Yemen R	9780							ME		07/14/94		
<b>1830</b>														
1900	Slovakia	R Slovakia Int'l	7345	5915						wEu		07/18/94		



## SCHEDULES

START End	COUNTRY	STATION	FREQUENCIES (kHz)								TARGET AREA	NOTES	LAST Update		
<b>1900</b>															
2000	USA	VOA	17800	15580	15445	15410	13710	12040	7415	909	Africa		07/22/94		
<b>1930</b>															
2025	Poland	Polish Radio Warsaw	7285	6135	5995	1503					Eu		07/18/94		
<b>1950</b>															
2010	Vatican State	Vatican Radio	5882	3950	1530	527					Eu	European 1st pgm	07/18/94		
<b>2000</b>															
2030	Switzerland	Swiss R Int'l	15505	13635	9885	9770	6135				Af		07/22/94		
2050	Turkey	V of Turkey	9400								Eu		07/09/94		
2030	USA	VOA	1530	909							Africa		07/22/94		
<b>2030</b>															
2100	USA	VOA	21485	17800	15580	15445	15410	13710	7415	1530	909	Africa		07/22/94	
<b>2100</b>															
0100	Lebanon	Wings of Hope	9960								ME	Univ Network	06/25/94		
2200	Russia	R Moscow Int'l	15290	12065	11920	11805	11760	11730	9880	9530	7380	7280	World Service	07/18/94	
2130	USA	VOA	21485	17800	15580	15445	15410	13710	9535	7415	1530	909	Africa	9535: -2200	07/22/94
<b>2130</b>															
2200	USA	VOA	21485	17800	15580	15445	15410	13710	7415	1530	909	Africa	Su-Fr	07/22/94	
<b>2200</b>															
2400	United Arab Emirates	V of UAE	13605	11885	9770						NAm		07/18/94		
<b>2300</b>															
2330	Lithuania	R Vilnius	9530								NA/Eu	Mo-Fr only 5min news	07/01/94		



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# the page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

JERRY BERG, Chairperson • 38 Eastern Ave. • Lexington, MA 02173 • (617) 861-8481

Ref: FB0/PR/18

Forces Broadcasting Unit  
GHQ FARELF  
Singapore.

Verification of Reception Report S.W.L.

Dear ~~MR~~ **Paul Kary**


This is to confirm your report of our programme heard at ~~1526~~ **1526** hrs, GMT., dated ~~11/7/69~~ **11/7/69** on Kc/s 5010 at your QTH. ~~07P805~~ **07P805**.....

The w/L details may be of interest to you:-

Freq:- Kc/s 5010. TX:- RCA 4750-A. Power:- 7.5 KW.  
Emission:- AM, A.3. ANT:- Kraus. Dipole.....  
Times of Transmission GMT:- 1200hrs.....daily.

Programmes are in Gurkhal consisting of News - Plays - and Feature items. Request or Assorted Nepali and Hindi records. At... ~~1700 hrs~~ **1700 hrs** GMT the Programme is closed down by playing the National Anthem.

We thank you for your report and wish you 73's and good DX for the future.


  
 Station Commander,  
 Forces Broadcasting Unit,  
 GHQ FARELF,  
 Singapore.


**FORCES BROADCASTING**  
**22 JAN 1959**  
 Dated: ~~.....~~ **Unit FARELF**

**BRITISH FORCES BROADCASTING SERVICE**  
 SINGAPORE - HQ FARELF, 40 GPO SINGAPORE

MARLEN  
 TRANSMITTER TYPE **RD 260** SERIAL **4** ELEMENT **4** COLLECTOR **4** DI. POLE  
 EFFECTIVE RADIATED POWER **4.0 KW WATTS**

Thank you for your report concerning ~~the transmissions on~~ **54.88** Metres  
 5010 Kcs Mics covering the period **10.40** hrs to **11.30** hrs  
 on **14th September 1969**. The contents of your report have been checked with our Station Log for that day and found correct. May we take this opportunity of wishing you good luck and happy listening during 1970

  
 SENIOR ENGINEER

The station was known as the Forces Broadcasting Unit in 1959, the British Forces Broadcasting Service in 1971. It went off shortwave soon thereafter, and 5,010 became a frequency of Radio Singapore. The BFBS station closed down altogether in 1977. +++ If you would like full info on CPRV, send a business-size SASE to JB at the address indicated above. Thanks! 

North American Shortwave Association  
45 Wildflower Road  
Levittown, Pennsylvania 19057

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North American Shortwave Association

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