

NASA

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NORTH AMERICAN SHORTWAVE ASSOCIATION

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APRIL 1996

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NASWA Notes

Richard A. D'Angelo

2216 Burkey Drive

Wyomissing, PA 19610

Genie: R.DANGELO3

Internet: r.dangelo3@genie.geis.com

The ninth annual Winter SWL Festival is now history. As usual, a crowd of over 200 hobbyists participated in the festivities which began as early as Wednesday afternoon for some. Thanks to the efforts of our three hosts, **Kris Field**, **Harold Cones** and **Bob Brown**, for another excellent job. Also, a special thank you to the many unsung heroes who do a phenomenal job "behind the scenes" at making this event happen. An extra special thank you to **Fred Kohlbrenner** and **Ed Mauger** who manned the club's table during the weekend. Without question, this is North America's premier gathering of hobbyists from all walks of the hobby spectrum. If you missed it, now is the time to begin planning to attend next year's FEST which is scheduled for 13-15 March 1997. The 10th Winter SWL Festival promises to be an extra special event.

Marie Lamb, the Voice of NASWA and ANARC, announced the recipient of the Association of North American Radio Clubs' 1996 DX'er of the Year at the Winter SWL Festival banquet on Saturday evening, March 16th. It was **Tom Bryant** of the Worldwide TV-FM DX Club. Bryant's contributions to the TV, FM, and AM DX'ing community have been exceptional over the years. Also, he is a key player in the production of the club's monthly bulletin, the VUD Digest. In addition, special "Certificates of Recognition" were awarded to (1) **Fred Vobbe** and the entire staff of the DX Audio Service, an ANARC member club, for outstanding service to the hobby in the preparation and presentation of the DX Audio Service tapes during the last ten years, and (2) **Michael Murray** for outstanding dedication to the listening hobby as Secretary General of the European DX Council from 1979 through 1996. An excellent selection of folks!

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave, medium wave and longwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Contributions are also accepted via the Internet Relay Chat (IRC) channel #swl while the net is in progress. The net moves to 3940 LSB after the 40m session closes for an informal session. Net Controls Tom Sundstrom W2XQ, Hausie WB4JSP, Mike McCallum WA4SGC, and Bob Curtis W1EXZ host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info also available at <http://www.trsc.com/swl_net.htm>.

Last month I mentioned that after many years of hard work as Secretary General of the European DX Council, **Michael Murray** was stepping down. The results of the voting for Secretary General of the European DX Council are now complete. **Risto Vahakainu** of Finland (30 votes) narrowly defeated **Luigi Cobisi** of Italy (25 votes) for the post. Congratulations Risto! As mentioned last month, **Arto Mujunen** of Finland is the new Deputy Secretary General. Finally, happy "retirement" to Michael Murray who faithfully served the EDXC from 1979 through 1996. For this accomplishment, ANARC presented Michael with a special Certificate of Recognition for his devotion to the hobby at the recent Winter SWL Festival.

I hope many of our members were able to participate in this year's North American DX Championships. Unfortunately, your club let down many members that depend on it

Our Motto is - "Unity and Friendship"


publishing the contest information on a timely basis. Our laxness in neglecting to publicize this important hobby event was unfortunate. As usual, this annual event was sponsored by ANARC and was coordinated by our very own Harold "Dr. DX" Cones. If you missed this year's championship, remember, next year's will be held in March. I suggest you follow the Calendar of Events as a reminder. Those that followed the calendar and wrote for advanced information were the only ones fortunate enough to have an opportunity to participate this year.

Even though the DX season is beginning to wind down, it doesn't mean it's time to turn off those radios. There is still plenty of DX to be heard. Stay active and continue to report what you hear to your favorite columns.

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Fred Kohlbrenner** (2641 South Shields Street, Philadelphia, PA 19142). He will forward them to the appropriate editor. Remember, Fred has now expanded his business to include QSL report information, and starting this month, totals for the **Scoreboard** column. He can also be reached through the Internet at: fkohl@ix.netcom.com.

Remember, a high quality Journal can only exist with your active participation.

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

Musings

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

Rich D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610 <r.dangelo3@genie.com>

Our final DXpedition to Gifford Pinchot for the season is now history. Fred Kohlbrenner, Bob Montgomery, and I enjoyed terrific weather and mediocre conditions. Although not as spectacular as some past visits, GP#16 managed to offer us some good listening opportunities.

I arrived midday Thursday. Fred and Bob were relaxing after completing their antenna arrangements. Poor Fred was limping badly from a previous antenna accident. I began by stringing a wire toward the lake. In December this was a tricky operation because of the snow and ice. This time it was quite simple since the ground was mainly clear, but soggy, from the thaw. My 500 foot wire through the woods was a more difficult operation. Snow, ice, mud and hidden rivers compounded the difficult. The River Johnson and its many tributaries, were flowing from all the runoff. Nevertheless, I managed to survive the experience with only one wet foot.

As I mentioned previously, Fred suffered through this DXpedition. An injury to his right leg (slipping on the ice while taking down his antennas during our previous visit) hampered his performance. A lesser man would have quite, but not our Fred. Between snacks (like the infamous "Kohlbrenner Sandwich") and naps (he found getting sufficient rest with the bad leg difficult), Fred managed to miss most of the DX'ing opportunities. We need to put him on a rigid exercise program so he can take down his antennas safely in the future.

Bob and I suffered some antenna woes. Apparently a truck must have driven by during the early morning hours and tore down our antenna wires running south toward the lake. We had to re-string then Friday afternoon. Once done, we were back at the dials listening to static!

We have six months to heal and prepare for GP #17 scheduled for late October. With a little luck, Fred will still be with us!

Benton Owsley <DingoD5361@aol.com>

I think the journal is doing a great job and you folks all deserve a bow for the hours you put into it every month.

73, Benton Owsley

(I couldn't agree with you more; our editors, staff, and members make NASWA the best club around!)

Gordon Hein Jr., P. O. Box 551, Alcester, SD 57001-0551

I really enjoy your club very much. However, it would be nice if you could list all the broadcasters and frequencies in the Shortwave Center section rather than just some of them. I also enjoy reading your QSL column. Could you please try to put my column in one of the next editions of the NASWA Journal. Thanks.

Your club member, Gordon Hein

Robert Zobot <rzobot@exis.net>

You are doing a great job of keeping the NASWA ideal going and it appears going rather strongly. The musings section does show the multitude of interests that come forth from the membership beyond the basic love for shortwave radio.

I find the discussion of going electronic to be fascinating. Is the issue a) timeliness of information received, b) no cost involved from inet (forget about the online cost) or c) is there a certain amount of laziness with respect to reporting etc. I would hope that it is only from a. Internet or any means of electronic information gathering is nice but it does lack the ability to provide the qualities that a book or journal can provide. It is true that over 100 newspapers have entered into the web but not as a means to replace their hard copies but as a means to entice others to buy their wares. They will never provide all the details or articles in an electronic medium. Mainly because the advertisers are limited in today's environment. Now as time goes on this may change.

I have also received Cumbre and find it to be another useful tool with interesting loggings rather up to date. But since the editors are only interested in certain types of loggings it can not appeal to the masses, it too is an elitist group. Also it can not provide the space that is needed to provide Shortwave Center, Technical Topics, Awards, Listeners Notebook and the many other useful and interesting articles in the Journal. Because even in the electronic world storage space is at a premium and it still costs someone.

The marriage of both hard copies such as the Journal and internet info sites such as Cumbre are tools for the hobbyist. We see more and more books available in the hobby that could have been put on the web for the masses to acquire but then there would be no income for the person(s) that put the effort forth to produce the book.

So to you Richard, Bill, Harold and the rest of the Naswa Journal staff I tip my hat and say thank you for a fine publication. Your efforts are appreciated by many.

Bob Zobot, Va Beach

(Thanks for the thoughtful comments and the nice words for the Staff. I only disagree with the reference to Cumbre as an "elitist" group. If a slice of hobbyists have a particular need (i.e. advanced DX news and information) and they develop a method to fill that need, I would call that filling a "niche" not an elitist group. - RAD)

Bob Fraser, P. O. Box 174, Cohasset, MA 02025-0174

I read the comments of new SWLers in "Musings" of the March NASWA Journal. Over the years, I have read the same remarks. That is, people get into SWLing out of curiosity but then find very little information available to keep up this interest.

This is true of me. Even as a little kid back in the 1940's, I always like to see how distant a station I could get on the family AM radio. The sole reason I got into shortwave and kept my interest in it was that a Radio Shack store came to a nearby mini-mall in 1973. Not only did they have a good line of shortwave receivers but also the magazine Elementary Electronics which featured Don Jensen's column on SWLing.

Within a short time, I wanted to know more and so, of course, went to my local library. I was surprised to find absolutely nothing on the subject there. In fact, even the big Boston Public Library had very little on the subject.

A few issues of the Journal back, there were comments by long time SWLers that NASWA might go under as did SPEEDX due to lack of "new blood." I feel that the two are related. If there is no information on the basics of shortwave radio handy, the potential SWLers will turn to other hobbies.

To its everlasting credit, Radio Shack has always had a line of inexpensive but good shortwave radios. Although Elementary Electronics disappeared as a computer magazine, Radio Shack has started up the quarterly all-band magazine "Radio!" However, I wonder how much interest this has generated in the SWL hobby.

Not too long ago, I saw ads on shortwave radio in national magazines by other radio manufacturers. Now I don't. Is it because there is very little interest?

I have been an SWLer for 23 years but there is still a lot I don't know about it. The comment by Don Aspinall about new listeners picking up a rare and faint station that has eluded long time SWLers is nothing new. I have had that experience myself.

This leads to a mystery that has always baffled me. Why is it I can get a number of SW stations quite loud at my home at "A," then when I go to "B" about half a mile away, these stations become quite faint and I get a whole new batch of SW stations that I cannot get at "A." I would expect in SW the "footprint" of a station received to be much larger an area.

Sincerely, Bob Fraser

I'm fully recovered from the FEST! It's time to begin thinking about #10!!

73 - RAD

19 Mar 96

Calendar Of Events

- Apr 19 Meeting.** Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Apr 19 Meeting.** Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: 74007.3434@compuserve.com
- Apr 20 Meeting.** The Miami Valley DX Club (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hammer at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.
- Apr'96 Convention.** St. Louis DX Get-Together '96 will be held April 19-20-21, 1996 in the St. Louis, MO area. Planned activities include AM/FM/TV station tours, DX sessions and a tour of Amateur Radio bulletin station WA0RCR-1860. Open to all bands. For more information, contact Eric Bueneman-N0UIH at (314) 839-9751, or via E-mail at EBSDJDX@aol.com.
- Apr'96 Convention.** The 30th EDXC Conference will be held in Florence, Italy on 27-30 April 1996. The Associazione Italiana Radioascolto ("AIR") is the organizing group. Detailed information is available from AIR, P.O. Box 30, I-50141 Firenze 30, Italy.
- May'96 Convention.** The 1996 ODXA Convention will be held at the Holiday Inn (1-613-549-8400) in Kingston, Ontario on 3-5 May 1996. Located midway between Toronto and Montreal, this is the first time the club will be running an event like this outside Toronto. Friday evening will feature an informal gathering with a SWL Quiz. Saturday's forums feature topics such as an introduction into shortwave radio, the Internet, propagation, and medium wave DX'ing. Register at the door for \$12.00.
- May 11 Meeting.** The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at 804-721-2782 or Internet: buch@exis.net
- Jul'96 Convention.** The International Radio Club of America will hold its annual convention in Ocala, FL on 19-21 July 1996. More details to come.
- Aug'96 Convention.** The 1996 Worldwide TV-FM DX Association Convention will be held in Estes Park, CO on 9-11 August 1996. More details to come.
- Sep'96 Convention.** The National Radio Club will hold its annual convention at the Ramada Inn in West Knoxville, TN from 30 August-2 September 1996. More details to come.
- Mar'97 Contest.** 1997 North American DX Championships. Further information will be published in the Journal or you can send a self-addressed stamped envelop to 1997 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.
- Mar'97 Convention.** The 10th Annual Winter SWL Festival will be held at the Kulpville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 13-15 March 1997. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts over 200 hobbyists each year. Further details and information will appear later this year.

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

NCS/eb

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

Easy Listening

Richard D. Cuff
1016 Chestnut Ridge Drive
Timonium, MD 21093-1716
CompuServe: 73651,153
Internet: rcuff@memtec.com

It Was Fun While It Lasted...

It was a treat, once again, to meet many friends and supporters of *Easy Listening* at the Winter SWL Festival earlier this month. Once again, a good time was had by all, as we had two days to sit around and "talk radio". John Figliozzi and I enjoyed presenting our *Easy Listening* forum; even though much hay has been made over the role of the Internet in potentially replacing shortwave as a means for international broadcasters to reach their audiences, we believe Shortwave Radio still remains an effective means for international broadcasters to get their message out. Make sure your calendars are marked for the Tenth Anniversary (!) Winter SWL Festival, March 13th-15th, 1997!

We once again invited participants to answer a listening habits survey; we'll summarize the results in an upcoming *Journal*.

Channel Africa

I've had reasonable success the past couple weeks in receiving the 1600 UTC 15240 kHz **Channel Africa** broadcast, so I feel more comfortable including it as an "Easy Listening" target. For news about Africa originating in Africa, Channel Africa is your best bet. This particular frequency is targeted to West Africa and, while the entire Channel Africa broadcast begins before 1600, this particular West Africa transmitter kicks in at that time.

The hour's primary program is *Newswatch*, an in-depth review of the day's African news. The program opens with a ten-minute African and World news bulletin, continues with a music selection, then continues with several feature reports on African news. On-scene reporting with sound actuality is liberally utilized—more so than in the BBC's African news roundup *Focus On Africa*. At 1630 a series of rotating features are broadcast, including *Sportswatch* on Saturdays, among others.

As with Radio Australia, **Channel Africa** focuses nearly exclusively on being a regional service specializing in African affairs for an African audience. Channel Africa has a World Wide Web presence at <http://www.sabc.co.za/units/chanafr/index.html>.

Radio Netherlands

The 750th edition of *Media Network* will air on May 2nd/3rd, and the program will specially mark the occasion. Since the program has always emphasized listener participation we'll be running a quiz in the program with a unique prize. More details coming shortly. (See *Shortwave Center* this month for an article about *Media Network*.) There will be a special QSL card for the broadcasts on May 2nd and an anniversary "Gold Label Compact Disc".

April Documentaries include Krakkers! (Thursday, April 4th): In a small country, housing is hard to come by. In the 70s and 80s the housing crisis reached a peak. Nowadays, reports Michele Ernsting, any unoccupied space is fair game for squatters or krakers. **Living By The Water** (Thursdays April 18th and 25th) is a three-part co-production with BBC Radio Scotland and Ireland's RTE, and is a profile of the coastal community of Kilmorequay, a the lifeboat service and a couple who live on a transport barge.

Radio Netherlands has also enhanced their Internet presence as well; their WWW page is <http://www.rnw.nl/>. Look there for updates on the 750th anniversary *Media Network* program.

Shortwave RadioGuide News

I know this is a bit of advertising, but given his contributions to this column and to the hobby in general, I'm pleased to include it here. John Figliozzi has arranged for his directory of shortwave programs to be sold in North American **Radio Shack** stores as of

the end of April. The book's title has been changed to *The International Directory of Shortwave Radio Programs* and will sell for \$10.95. Radio Shack has found that many purchasers of shortwave radios don't understand the concepts of propagation and frequency allocations very well, and return many radios never having found anything of interest. John's book should help newcomers to the hobby learn about the diverse offerings of international broadcasters and, hopefully, get addicted to the hobby like the rest of us.

Mid-West Radio

I am sorry I missed this ahead of time—if you tuned to 7325 kHz on Sunday, March 18th you didn't hear the usual BBC—you heard a local radio station from County Mayo, on the west coast of Ireland, with a locally produced "hands across the airwaves" program of Irish greetings, music, and culture commemorating St. Patrick's Day. While you couldn't air this type of program seven days a week, it was truly something special. If you heard Mid-West Radio, feedback is eagerly solicited. Snail mail can simply be addressed to Mid-West Radio, County Mayo, Ireland; E-mail can be addressed to soumayo@iol.ie.

This isn't the only Irish news on the radio—WWCR, on its 3rd transmitter, airs news from an Irish domestic network Mondays to Fridays at 0900, 1000 Saturdays and Sundays (presuming April time changes).

Target Topics: History Programs

First off, *Shortwave Radio Guide* author John Figliozzi shares some of his observations on History on Radio:

History is a tough subject—to pin down on shortwave, that is. History, whether a nation's or the world's, is used across the programming spectrum as a means to provide the listener with context. Consequently, history is likely to be included in any type of program you can name—from news to music, business to culture, drama to quiz shows, mailbag to descriptions of everyday life in a country.

There are a handful of programs which attempt to present history as an end in itself. The Voice of Russia has been running a

series entitled *Moscow Yesterday and Today* which scans 850 years of the city's history. This program can best be heard at 0032 on UTC Wednesdays and Fridays (beginning with the spring time change) on 7105 kHz. (The program is repeated at 0432 on Sundays UTC.) Daily on the same station, a program entitled *Our Treasure Chest* presents Russian history documentaries at 0332 on 7180 kHz.

Eastern European broadcasters are "discovering" their histories after decades of state directed and ideologically driven interpretation. Radio Bulgaria, Radio Romania International, Radio Budapest, and Radio Slovakia International all offer regular programs sharing what present day scholars are saying. It stands to reason that nations re-discovering their "true" pasts would have a higher degree of interest in the subject than others whose history may not seem as quite as "new" and, therefore, as interesting in some respects. These broadcasters have been somewhat tough catches these days, but you might want to try Radio Slovakia International at 0110 UTC Wednesdays.

The VOA, though, offers a regular history program in its Special English offerings. *The Making of a Nation* is heard at 0040 UTC Thursday on a wide range of frequencies. Radio Japan offers an interesting mix of national history, literature and music in its weekly program, *History and Classics*, heard via the Sackville relay on 5960 kHz. at 0125 UTC Thursdays (after the Spring time change).

Recent cataclysmic events in Kuwait have prompted that nation's broadcaster, Radio Kuwait, to emphasize its history in many broadcasts mostly to demonstrate its legitimacy as a sovereign nation. Check between 1800 and 2100 on 11990 kHz. daily. A regular series emphasizing a range of historical topics is presented at 2000 daily except Friday. Radio Cairo and Abu Dhabi (try 2215 UTC) also offer a number of programs emphasizing history often in terms of its relationship to Islamic religion and culture.

From Asia, China Radio International's *Cultural Spectrum* often includes items of historical significance. Deutsche Welle's

German Tribune also has items relevant to German history (0135 and 0535, Tuesdays and Thursdays).

Finally, although none are planned according to April's *BBC Worldwide*, BBC documentaries in programs like Assignment and Omnibus or special programs or series centered around a particular historical event or theme, present history in a very informative and entertaining manner. Radio Netherlands (in its regular documentaries block and Radio Sweden (in its **Sweden Today** program presented on alternate Saturdays at 1130 and 1330 [15240 and 11655] and UTC Sundays at 0130 [7155] and 0230 [7290]) often center in on historical topics.

Thanks, John! Peter Bowen next checks in with this mini-review:

The VOA English broadcast schedule states that programs in Special English are designed for learners of the English language. They are read at slower speed than regular programs, and have a vocabulary of about 1500 words. People in America is a Special English program, 13 minutes in length, which presents short biographical portraits of important figures in US history. Two announcers read a script describing the person's life and outlining the important contributions made by that person to the history of the US. The Special English format is adhered to, although the pace seems to be livelier than is the News in Special English.

The program is well-scripted and well-read, although the slow speed and lack of any contrast within the program (other than the voices of the two announcers) inevitably lead to tedium on the part of the listener. On the other hand, the choice of characters is usually interesting, and explanations of their contributions to history are clear and concise (a positive feature of the Special English format).

The biggest problem with the content, however, is the unrealistic neglect of the negative aspects of a person's life and work. This is a glaring fault of most biography—for some reason, biographers think that it is best to present their subject as a mini-god, with no major faults and no major failures.

The result of this approach is that the listener (or reader) is cheated; we do not receive an accurate portrait of the life and work of the individual being discussed, but instead we get one that is distorted and incomplete.

Finally, Chet Copeland phoned from Washington, DC with his own personal favorite: **Sounds Historical**, a weekly two-hour program on **Radio New Zealand International**. Rarely do any programs on shortwave devote that much contiguous time to anything other than sports. Sounds Historical airs Sundays after the 0700 news (perhaps 0800 following local time changes).

BBC World Service Highlights

I considered focusing on the new overall schedule for the spring/summer season, since the BBC's schedule has changed with the time changes in its various target areas. Instead, I'll recommend you drop a note or an E-mail to the BBC for a copy of the program schedule, which will help you find your favorites.

Here are some noteworthy frequency changes:

- 9640 is no longer used from 0500 to 0815; instead, 6175 and 5975 are both utilized until 0700 UTC.
- 7325 kHz has been dropped, but is now available for hire, as you'll see below.
- 6195 now comes on the air at 0900—beamed to Central and Western North America, but I suspect it should be audible in the East as well.
- 17840 kHz is now used until 1800, so North America is now targeted for shortwave 19 hours per day. For the "dark" hours of 1800 to 2100, both the African (15400) and European (9410, 12095, 15070) services should be easily audible.

Now, to some of the program highlights for April:

Human Interest and General Features

Fridays 2315: The Insider's Guide is a new 15-minute series regarding activities behind

the scenes at Bush House, with outtakes, anecdotes, and near-catastrophes brought into public light. First airing Fridays 1235.

Mondays 0230, through April 15th: **UFOs—Fact, Fiction, or Fantasy?** is a new three-part 30-minute series on this always contentious subject. Topics include *The Abduction Phenomenon* and *Do We Have Contact?*. Also airs Sundays 1130 and 1530.

Mondays 0230, beginning April 22nd: **About Face** is a new four-part 30-minute interview program profiling internationally well-known people. Carl Lewis, the track & field star, is interviewed on the April 29 program. Also airs Sundays 1130 and 1530.

Tuesday, April 22nd, 0130: A special **Outlook** program commemorates the 70th birthday of Britain's Queen Elizabeth, with highlights from BBC archives and interviews with commentators. First airs Monday 1405; also airs Tuesday 0430.

Music and The Arts

Wednesdays, 0230: **On Screen** is a weekly program on new films and classics; in April the program doubles in length to 30 minutes. Film festivals in Singapore and South Africa are subjects in April, as are new releases from Hollywood. First airs Tuesdays 1615.

Mondays, 2315: **Record News** is a new weekly 15-minute program on new releases in classical music, focusing exclusively on recorded music versus live performances. Studio and record company news is also included.

Tuesdays, 1515, beginning April 2nd: **Songs For Children** is a new nine-part 10-minute series on poetry—not music—of specific interest to young people. Dreams, relationships, culture, self-discovery, and sheer disgustingness are all featured. Also airs Wednesdays 0720.

Saturdays 0230, **Meridian Live** is a new edition of the weekly arts program, with regular presenters Simon Fanshawe and Brian Sibley joined guest performers, writers, and musicians, perhaps from New York, Paris, Delhi, or beyond. The first airing—perhaps it's truly the "live" version—is Fridays 1615;

no other releases in any regional service air earlier.

Saturdays, 2230: **Play Of The Week** highlights include *Rukulibam*, a story about a reunion of WW II concentration camp survivors (April 13th/14th); *Make And Break*, a darkly funny play of a successful manufacturer driven compulsively to use and consume everything around him. An incident at a German trade fair forces him to reflect on his life and behavior (April 27th/28th, 90 minutes). Note that **Play Of The Week** is now repeated to North America Sundays at 0530 if you forget to set your tape recorder.

Light Entertainment

Mondays 1130: **Jazz Score** returns with a series of seven 30-minute quiz shows on jazz music. Stories and jokes earn as many points as correct answers, so don't expect the intensity of **Brain Of Britain...** Also airs Sundays 1615.

Science and Technology

Thursdays 2315: **Soundbyte** returns for an eight-part 15-minute series of programs on the latest developments in computers and digital communications, from on-line education to the future of the PC. Also airs Wednesdays 1515 and Fridays 0715.

Upcoming Target Topics

It was great to get as much input as I did this past month; I'll cheerfully include *your* contributions, be they handwritten, telephoned or E-mailed. Upcoming topics include:

May: Folk Music
June: Book Reviews and Readings
July: Documentaries

If you have topic suggestions, please send them in as well!

Finally...

Thanks to all who contributed this month: John Figliozzi, Chet Copeland, and Peter Bowen!

Until next month,

73 DE Richard



Our first article was received from Radio Netherlands as background information to the upcoming celebrations on Media Network.

Network Celebrations

A profile of the team behind Radio Netherlands weekly communications magazine, Media Network, which celebrates its 750th edition on May 2nd 1996.

A few minutes before Thursday midnight. The light in Studio 5 is still burning as three people work on the closing sequence for this week's edition of Media Network. The show's producer and co-host Diana Janssen is setting up a digital telephone line to Boston USA. "Veteran" editor and broadcaster Jonathan Marks is working with sound engineer Rick Kingma. The level of the music in part of a promo sequence is too high. "I can't believe we've made 750 of these magazines," muses Marks. "There are very few programmes that reflect on the broadcasting industry. This weekly 30 minute magazine programme clearly runs on enthusiasm, a passion for radio and a fascination into how messages cross borders."

International broadcasting started from The Netherlands in 1927. In those days the driving force was commercial interests by the Philips company of Eindhoven. Radio sets would not sell in the Dutch East Indies (now Indonesia) without a regular supply of programmes. Nearly 70 years later, Holland's external broadcaster has diversified into a multi-media company using satellite, shortwave, compact disc and the Internet as a means of sharing information with the world.

Turn Around

"I was hired by Radio Netherlands in August 1980 to start a science programme" says Jonathan Marks. "There was a programme on the air called 'DX Juke Box'. The host at that time, the late Frits Greveling, was returning to South Africa. The station management wanted something different. I'd listened to the programme during my Univer-

sity days in Durham, England and didn't share the notion that we should break with a tradition that had started in 1959. But it was clear from the letters that the audience expected something more than tuning suggestions and technical talks. It was time to build on the foundations rather than blow up the building. They gave me four months to try".

Help in restructuring the programme came from Wim Van Amstel, at that time a frequency manager with the station. The original idea of DX Juke Box was to package technical talks about long distance radio listening together with popular music, hence the name. The music would attract the younger listener and may be get them interested in international broadcasting. "By 1980, it was clear that the music was more of a turn-off than anything else," recalls van Amstel. "Digital radios were coming onto the market, like the Sony ICF2001. It was already cheaper to buy a radio than construct one. We wanted to concentrate more on the programming side of broadcasting rather than purely the technical systems. A communications magazine seemed to be the answer".

Changes to the programme were made in the course of 1980. By May of 1991 the content was so different that a name change was essential. Perhaps the biggest innovation was the use of the telephone to call stations directly and ask for news. With the resumption of intensive Soviet jamming and the bombing of stations like Radio Free Europe, there was plenty of news. Media Network became a news source in its own right. The programme also pioneered the connection between radios and computers, first with the on-air BASICODE experiments and, in 1993, with e-mail via the Internet.

Jonathan Marks is quick to point out the help he has had from a world-wide network of correspondents. "The name of the programme wasn't chosen by accident. Even though communications is the biggest industry in the world, there are few specialist programmes following the developments and trying to explain them to the public. As we started calling around to investigate broadcasting developments, we bumped into people in the industry who were intrigued by what we were doing. People like Lou Josephs, Jim Cutler, the late Richard Ginbey and Dennis Powell were instrumental in shaping the format. Likewise, we didn't restrict ourselves to the English speaking world." Before joining Radio Netherlands, Jonathan Marks spent 18 months at Radio Austria International (then known simply as Austrian Radio SW Service) between school and university. He got to know Wolf Harranth, media editor of the German language programme Kurzwellen Panorama. There is still a weekly exchange of material between Austria and The Netherlands. Likewise, Radio Netherlands produces a media programme in Spanish. "Radio Enlace" produced by Alfonso Montealegre and Jaime Baguena has close contacts with Media Network, although the content of the Spanish language programme is specifically targeted at listeners in Central and South America.

Documentaries

A look at the topics covered over the last 15 years shows a love for the past as well as the future. Media Network has researched into clandestine broadcasting in Europe during the period 1940-1945, as well as compiling several series on vintage wireless collecting. The documentary "Wartime Deception" won a silver medal at the prestigious New York Radio Festivals two years ago.

Some of the research into radios has formed the basis of free publications the station has launched. DX Juke Box built up a reputation for helping those just starting out in the world of international radio listening. This has now broadened to 14 different brochures available in print and via the Internet. The latest project is an on-line version of the Receiver Shopping List, including colour photographs of receivers that have been tested by the team.

Media Network in the mid-nineties

The sound of the programme has continually changed. The contents of the show are deliberately chosen at the last minute to allow for late breaking developments. Production of the programme has also changed since Diana Janssen started producing the programme around 9 months ago. She originally joined Radio Netherlands as a media researcher, but became involved in programme production in the course of 1995. She's now co-hosting the programme. "I studied communications at the University of Amsterdam" Diana explains. "I don't pretend to have a technical background, but my contribution to the programme is from a different perspective. I am fascinated by how people communicate across borders and why. There are around 120 international broadcasters on the air, but only a handful understand how to get a message across. It is more difficult than people realise. Radio Netherlands is not the largest station on the dial. But the philosophy of sharing information rather than shouting it appeals to me. I believe the distinctions between radio, television and the Internet will blur in the next few years. But the gap between "haves" and "have nots" will widen too and that's worrying. There are growing challenges for broadcasters. They have to do more with less money. However, plummeting distribution costs have also sharpened many minds to make better and more original programmes. This is the third golden age of radio, vastly different from the first and second".

Both Diana Janssen and Jonathan Marks stress the two-way magic of the programme. The letters, phone-calls, faxes and e-mail messages show that the "human touch" works and that listeners want to be a part of the weekly magazine. Newspaper clippings, press releases and cassettes are sorted into an active media database. Jonathan Marks, now Director of Programmes for Radio Netherlands, still enjoys the Wednesday evenings in the studio. "I value the team spirit. I share the passion of radio broadcasting. It really is the theatre of the mind. We care about what we're doing in these studios just south-east of Amsterdam. We're having fun and you can hear it!"

Media Network is broadcast on Thursdays at 0150, 0750, 0950, 1150, 1350, 1550, 1750, 1950, 2150 UTC and on Fridays at 0050 and

0430 UTC. The programme is also available via the Internet and on the CBC Overnight Service. A 15 minute compilation is also broadcast by just under 100 stations around the world. For more details write to Media Network, Radio

Netherlands, P.O. Box 222, 1200 JG Hilversum, The Netherlands. Tel: +31 35 6724242. Fax: +31 35 6724239. e-mail to letters@rnw.nl. Check out the World Wide Web pages on <http://www.rnw.nl>.

Historical DX Target

Kalaallit Nunaata Radioa Shortwave Broadcasting From Greenland

By Richard A. D'Angelo



Kalaallit Nunaata Radioa
Grønlands Radio Radio Greenland
P. O. Box 1007
DK-3900 Nuuk

Although no longer broadcasting on shortwave, Kalaallit Nunaata Radioa was a favorite DX target of numerous shortwave listeners for many years until it ceased broadcasting almost a decade ago on its well known frequency of 3,999 kHz. During its heyday, Radio Greenland's interval signal, a whaling song played on a Celeste, would cut through the amateur radio traffic on adjacent channels revealing one of DX'ings more exotic catches. However, those days are long gone. Nevertheless, broadcasting in Greenland provides an interesting perspective on life in this rugged North Atlantic "DX country."

The Country Greenland is a province of Denmark although it is part of North America; it was a colony of Denmark's until 1953. The Danish government is responsible for Greenland's foreign affairs and defense. Greenland has its own

provincial government which is responsible for the internal affairs of the province such as tax laws and the operation of the public school system.

Although a large country in terms of area, Greenland's population is only around 60,000 people. Most of its people live along the coastal regions. Over 80% of the country's 840 thousand square miles, or 2.2 million square kilometers, is covered by ice with elevations such as Mount Gunnbjorn reaching as high as 12,000 feet or 3,700 kilometers. The climate of Greenland is very cold. The coldest region is the center of the icecap. The southwest coast is the warmest region of the country with an average temperature of 18 degrees fahrenheit in February and 50 degrees fahrenheit in July. Most of the small amounts of snow or rain fall in the south.

GREENLAND

Q S L

GREENLAND

Verification Card

Station Grønlands Radio

To Richard A. D'Angelo

This is to confirm your reception of our transmission dated

10 January 1988, 1131 - 1223 hours UTC on a

frequency of 3,999 kHz. with 1,500 watts.

Kalaallit Nunaata Radioa
Grønlands Radio
P. O. Box 1007
DK-3900 Godthåb

x

J. Petersen

Signature & Official Seal

Greenland is a low inland plateau surrounded by coastal mountains. A sheet of permanent ice covers the plateau. The ice-free coastal areas consist of deep inlets surrounded by high mountains and many large and small islands. The population is scattered in small settlements with as few as 30 inhabitants to towns with a population of several thousand people. The capital, Nuuk, has a population of about 12,000. Greenlandic and Danish are the principle languages spoken in the country.

Broadcasting In Greenland
Kalaallit Nunaata Radioa

("KNR") is an independent institution based on Greenland's Radio and TV Activities Act of 1978. The law provides the KNR with a monopolistic position and an obligation to present both sides in its programming activities. In a country without a daily press, KNR enjoys an absolute monopoly in presenting the news to the country. Also, KNR is supplying Greenlanders and Danes in Denmark with daily news from Greenland through Denmark's Radio.

In 1942 the first small studio was put into service in the telegraph station in Nuuk. The present broadcasting house in Nuuk was put into service with a staff of 15 in 1958 with an assignment of covering the country through medium wave and shortwave transmitters. In 1978 the broadcasting house was expanded in size by 50% with a staff increase to 40 people. FM transmitters were now operating along the west coast. In 1980 funding by the Danish Government was transferred to the Greenland Home Rule Government. By 1981 regional studios were open in Ilulissat, Qaqortoq and Nuuk. A news editorial office in Denmark began supplying KNR with news from foreign countries. In 1982, the KNR began the broadcasting of TV programs. Modest production of TV programs commenced in a new, larger studio established for television activities. With the growth of television, the staff of the KNR increased to 125 in 1988 of which about 85% were Greenlandic.


KNR transmits radio signals approximately 6,000 hours on a yearly basis which corresponds to about 16 hours per day. There are four daily newscasts. In addition, KNR-TV transmits about 2,000 hours on a yearly basis. A vast majority of the programs are productions from Denmark.

All inhabited places are supplied with a direct radio signal from the KNR through 5 medium wave and over 40 FM transmitters. When in service the one shortwave

transmitter was also utilized to assist covering the country's more remote locations. The TV programs are seen by 85% of the population.

KNR has a stereo radio studio, three mono radio studios, and various other rooms in its registration house in Nuuk. In addition, there is a studio unit in Ilulissat and Qaqortoq. The TV building has two editing rooms and a technical control room as well as other office facilities for the staff. By today's standards, the broadcasting production facilities are quite simple.

The medium wave transmitters broadcast on 570 kHz with 5 kilowatts from Nuuk; 650 kHz with 5 kilowatts from Qeqertarsuaq; 720 kHz with 20 kilowatts from Simiutaq; 810 kHz with 5 kilowatts from Upernavik; and 900 kHz with 5 kilowatts from Uummannaq. The former shortwave transmitter operated on 3,999 kHz with 10 kilowatts from Nuuk. Between October 1 and March 31 each year, the KNR broadcasts from 1000 to 0300 UTC. From April 1 to September 30, the KNR broadcasts from 0900 to 0200 UTC.

During its final days on shortwave, Radio Greenland was an infrequent verifier of shortwave listener reception reports. However, persistence and clever letter packaging yielded some interesting responses during its last days on shortwave and the first couple of years after its close down. Although not expected to return to shortwave, Radio Greenland remains a favorite in the hearts and minds of many shortwave listeners. 

 **Kalaallit Nunaata Radioa**
Greenlands Radio Radio Greenland
H.J.Rinkevej 35 . P.O.Box 1007 . DK-3900 Nuuk

DEAR LISTENER

Thank you very much for your reception report, dated 10-1-82 and just received. We can confirm that you have ~~not~~ been listening to RADIO GREENLAND on that very day and time mentioned in your report.

We greatly appreciate your interest in RADIO GREENLAND and we ~~will~~ ^{will} be happy hearing from you again.


Thank you.

Radio Greenland

Mediumwave	570 kW	900 kW
Nuuk	870 S	Upernavik
Qaqertarsuaq	850 S	Uummannaq
Simiutaq	720 30	800 S

Shortwave: Nuuk (I.C.52.00W/64 DDK): 3999 Hz 10kW (Dipole).

ouch no longer


Richard A D'Angelo
2216 Burkley Drive
Wyomissing, PA 19116
U.S.A.

Latin Destinations

Don Moore

11434 140th St.
Davenport, IA 52804-9538
Internet: moore@acc.mcrest.edu

Hola amigos! Welcome to another Latin Destinations column!

"Have you been to Bahia, Donald?" So asks the parrot Joe Carioca of Donald Duck in Walt Disney's film *The Three Caballeros*. If you haven't heard of the film, don't be surprised. It's not one of Disney's better-known animated feature-length films. But, with a little searching, *The Three Caballeros* can be found in video rental places and it's well worth the search. And, not only is the film interesting, so is the story behind it.

During World War II, Disney did what it could for the war effort. To help boost pro-U.S. sentiment in Latin America, Walt Disney himself traveled throughout the region and lead the production in 1943 of *Saludos Amigos*, a sequence of live-action and animated film clips set in several countries. The film was less than well done, but Disney immediately launched a new inter-American friendship project, *The Three Caballeros*, hiring top Latin American songwriters and singers to help out. War time shortages postponed the film's release until early 1945.

The Three Caballeros starts out with a few animated and non-animated shorts, including one about an Argentine gaucho boy who finds a flying donkey. The main part of the film revolves around the musical adventures of the three caballeros themselves—Donald Duck from the USA, Joe Carioca the parrot representing Brazil, and a pistol-toting rooster named Panchito representing Mexico in the best tradition of Pancho Villa. (Reportedly, Joe Carioca is where Radio Nacional de Brasilia got the idea for its parrot sticker.)

The Three Caballeros was actually one of the most advanced films of its era. Some of the scenes, such as the title song, have been compared to *Fantasia* for their interweaving

of animation with songs. Also, except for some experimentation in the 1920s, this was the first Disney film to combine live-action characters with cartoon figures on the screen at the same time, paving the way for films like *Mary Poppins* in years to come. Some publications even scolded that the scenes of Donald Duck dancing with Latin beauties were overly erotic! However, unlike most Disney films, *The Three Caballeros* is a very dated product, forever set in the 1940s. For that reason, it has never gone through the cycle of repeated theatrical releases that have made other Disney films long-term classics.

Back To Bahia

But, let's get back to the question. "Have you been to Bahia, Donald?" Joe Carioca gets his surname from the nickname for residents of Rio de Janeiro, Brazil's capital and most famous city back in the 1940s. But, it's not Rio de Janeiro that Joe wants to take his pal Donald Duck to. No, it's the most culturally unique and interesting part of Brazil—the city and state of Bahia in Brazil's northeast. "Have you been to Bahia, Donald?" Well, no, this Donald hasn't, Joe Carioca, but believe me, it is high on my list of places I'd like to visit. I've met several people well-seasoned in Brazilian travel and each has always said that Bahia is the best.

Of course that other Donald, the one with the webbed feet, got to visit Bahia through the magic of movie-making. Joe takes him to a movie-set Bahia street scene where the two of them dance and flirt with real-life Brazilian beauty Aurora Miranda who sings with a traditional band as they weave through the streets. It's very stereotypical and more than a bit dated, but the music's very nice. However, the most historically-telling thing about the scene is that the dark-haired

beauty and her band—real people, not cartoon characters—are white. You see, what makes Bahia so unique and interesting is that ethnically and culturally it is the most Africanized part of Brazil. Over 90% of the population is black. But, Disney was just doing its job of making friends with the movers and the shakers in Brazil. The middle and upper classes of white southern Brazil would have been less than happy had Disney chosen to represent their country on the big screen to the rest of the world with blacks.

A Little History

It was in Bahia that the Portuguese first landed in Brazil in 1500, and the city of Bahia (now renamed Salvador, but still often called Bahia) was the colony's capital until 1763. Bahia's legacy is the country's best colonial architecture and the most beautiful churches. Where did the money come from to build these magnificent structures? Pure sweetness—sugarcane. From the mid-1500s until the early 1700s, northeastern Brazil was the world's primary source of sugar.

Of course, the Portuguese colonists who owned the plantations weren't into back-breaking labor. At first, they tried to enslave the local Indians, but the nomadic Indians just weren't used to that type of work. Furthermore, the Roman Catholic Church (primarily though Jesuit missionaries) was opposed to enslaving Indians, as it interfered with their goals of "civilizing" and converting them. (For an fascinating account of this see the Robert De Niro movie *The Mission*.) For whatever reasons, the missionaries didn't feel the same way about Black Africans, and the Africans were much better workers. So, beginning in 1538 northeastern Brazil began importing African slaves. By the time slavery was finally outlawed in 1888, over 3.5 million slaves had been brought to Brazil from Africa, six times the number brought into the United States. Bahia, as the center of the Brazilian sugar industry, became the center of African culture in Brazil.

As blacks far outnumbered whites in northeastern Brazil, to an extent never seen

in the US, African culture blended very deeply with the dominant Euro-Portuguese culture in everything from food to language to dress. But, probably the most interesting aspect of African culture is how the 'Candomble' religion of present-day Nigeria's Yoruba tribe survived and prospered in Bahia. When the slaves were forced to worship Roman Catholic saints, their response was to blend their gods with the saints. For example, Oxumare is the same as Saint Anthony. Today, however, it is often the African god who is the object of celebration on that particular saint's day. During carnival, groups of merry-makers parade through town carrying the image of their favorite Candomble god. Even many white Baianos make offerings to the African gods. So central is African religion to Bahian culture, that most modern pop music from Bahia draws heavily on the heavy rhythms of the lively candomble ceremonies.

Great Stories

Short of making a visit, the best way to get to know Bahia is to read some of the local literature. One of Brazil's best known 20th century authors, Jorge Amado, is a Bahia native and his books focus on the lives and culture of the common people of the state. Most of his books have been translated to English. The best place to start is with his most famous novel, *Gabriela, Clove and Cinnamon*. The story takes place in southern Bahia port of Ilheus (Amado's hometown) and centers on the romance between an Arab immigrant tavern-keeper and a mysterious beautiful peasant woman he has hired to keep house. Intertwining through the story are subplots involving the political conflicts between the rich cacao planters (the traditional power structure) and the merchants, teachers, and lawyers who want their share of control as the city moves into the modern age.

A few years ago, a Brazilian movie was made from *Gabriela* starring Brazilian actress Sonia Braga, and the English subtitled version can sometimes be found in places that rent foreign films. Filmed on location, the scenes

of traditional Brazil alone make this movie worth seeing, and the story is good, too. Be forewarned, however, that this unrated movie is not one you will want to let the kids watch. Another well-known Amado book that has been made into a movie is *Dona Flor and Her Two Husbands*.

Logging Bahia

So, you want to log Bahia? The states of northeastern Brazil are the most difficult to hear. The population is dense enough that shortwave really isn't needed much for local radio, as in the Amazon and west-central regions. Furthermore, unlike southern Brazil, there are few principal stations in the big cities that use shortwave. The 'nordeste' is Brazil's most impoverished region, and I suspect that is the reason—the big stations here just don't have the extra income. Brazil's south, by contrast, has been economically booming for years.

That said, there is one station from Bahia that is regularly reported in North America, Radio Educadora da Bahia on 9540. This station belongs to the Bahia state government and,

as the name implies, is an educational station. This may well explain why they continue to use shortwave, to reach the widest audience possible. Going back several years, Radio Educadora has often been reported in the wee hours of the morning—around 0800 or so UTC. I logged them there less than a year ago. Furthermore, there have been several reports of QSLs received. In fact, I just recently got mine for last Spring's reception, which is what prompted this column idea. Radio Educadora is still listed on 6020 shortwave as well, but I have heard that co-channel Radio Gaucha in Porto Alegre paid Radio Educadora for sole rights to the frequency, so as to eliminate interference. The 1996 WRTH does list one more station in Bahia state, Radio Sociedade in Feira da Santana on 4865, however, I haven't seen any loggings of this one for years and suspect it is inactive.

So amigos, there may only be one way to log Bahia, but it's got to be worth going after to log the most interesting state and city in all of Brazil! So, as the say in Portuguese, "ate logo!" —Don



Surf Report by Ralph Brandi, ralph.brandi@lucent.com

Don Moore has opened a web site containing many of the articles he's written over the years for *FRENDX*, *The Journal*, *Monitoring Times*, and elsewhere, as well as unpublished pieces. Located at <http://www.mcrest.edu/~moore/patepluma.html>, *The Patepluma International Radio Web Site* naturally focuses largely on Latin America, but also contains articles on other regions, as well as pictures from Don's travels, suggestions for beginners, and selections from *BLANDX*. Many of the articles are expanded from the versions originally published, providing even more information. This is a valuable archive of articles from one of the hobby's most knowledgeable members,

Kirk Trummel and John Cruzan have a web site with a wealth of information about Chris Lobdell's favorite subject, pirate radio. *The Free Radio Network*, <http://www.clandjop.com/~jcruzan/frn.html>, provides links to an amazing variety of pirate stations (who would have thought pirate stations would have their own web pages?), illustrations of pirate QSLs, audio clips, and various how-to information. Cruzan, sysop of the FRN BBS, includes a selection of files from the BBS.

ANARC announced in Kulpville the ANARC web site, <http://www.anarc.org/>. The site contains information about all the member clubs, links to existing club web pages, and new web pages for those clubs that had previous not published pages. It's kind of hard for me to actually write a review of this site, since I administer it, so have a look and let me know what you think at ralph.brandi@lucent.com or ralph@mcs.com.

Listener's Library

T. J. "Skip" Arey WB2GHA

P. O. Box 644
Waterford Works, NJ 08089
America Online: TJAREY
Internet: tjarey@aol.com

I'd like to begin this month's column with a brief announcement. Those of you who were at Kulspsville this year can skip down a few paragraphs.

It is with great pleasure I announce that Old Uncle Skip is finally coming out with a book. Keep your eyes peeled for:

RADIO MONITORING FOR BEGINNERS
by T.J. "SKIP" AREY
published by
INDEX PUBLISHING GROUP, INC.
ISBN 1-56866-101-0

This project has been something I've meant to do for several years now but the time finally came together to make such a project possible. I've always felt an obligation to give something back to the hobby and to create as many opportunities for newcomers as I possibly could. It's my hope that this book serves both these duties. Enough said.

Lets start out with a few new catalogs that have crossed my path.

**GROVE ENTERPRISES CATALOG AND
BUYERS GUIDE**
P.O. Box 98
7540 Highway 64 W.
Brasstown, NC 28902-0098
1 (800) 438-8155

Bob and Judy Grove's Spring catalog contains many products of interest to any radio hobbyist. An interesting trend in the past few Grove catalogs is the strong move toward both the past and the future. The inside front cover advertises the SONY DSS satellite system. Meanwhile, further inside the catalog you can find reproductions of the Edison electric light bulb. Quite a span of time is covered by these two products.

TIARE PUBLICATIONS

\$1.00
P.O. Box 493
Lake Geneva, WI 53147
1 (800) 420-0579

Gerry Dexter's latest book catalog includes 60 titles. Recently the Tiare organization has been developing titles in the area of Utility DXing including two new books by Chuck Yarbrough. You may also recall I reviewed Luchi's Amateur Radio License Guides, also new from Tiare. This may also be the best place to mention the passing of "Havana Moon." His memory lives on in his Uno, Dos, Cuatro and Los Numeros numbers stations books.

UNIVERSAL RADIO, INC.
Free by forth class mail
\$1.00 by first class mail
5 IRCs outside of the U.S.
6830 Americana Pkwy
Reynoldsburg, Ohio 43068-4133
1 (800) 431-3939

Fred Osterman's 1996 Communication Catalog may not have it all, but I haven't missed anything I can think of by reading it. Catalog 96-01 contains one hundred and twelve pages of equipment to meet the needs of amateur, shortwave and scanner hobbyists. You see, around my house, I can get away with reading the Grove catalog because I can always tell my long suffering spouse that it has something to do with my Monitoring Times column (little does she know). However, when I start staring longingly at the gear in the Universal Radio catalog I cannot cover up my intentions to empty the family bank account. Fred's just going to have to start up a magazine and ask me to write for him so I can stay out of the dog house. Maybe I'd be okay if Fred would just take the Watkins Johnson HF-1000 off of the back cover. My wife gets noticeable nervous tics whenever she sees it.

Fellow NASWA member Douglas W. Johnson checks in with some information on a book that may be of interest. Doug writes:

"I want to call your attention to a recently published book about the USIA written by the founding director of WORLDNET, the USIA's satellite TV service. The book will be of particular interest to fellow NASWA members because it contains considerable, recent VOA history. The book is:

WARRIORS OF DISINFORMATION

by Alvin A. Snyder

321 Pages, HB

\$25.95

Arcade Publishing, Inc. NYC, 1995

Distributed by Little, Brown and Company

ISBN 1-55970-321-0

Its subtitle is *American Propaganda, Soviet Lies, and the Winning of the Cold War—An Insider's Account.*

Snyder's account of the USIA during the Reagan and Bush administrations reveals a broad spectrum of achievement and failure, brilliance and stupidity—and massive government inefficiency and waste. His report on VOA's huge expansion program, begun in 1982, provides fascinating reading. It is revealed that there was considerable disappointment in VOA when Soviet jamming ceased in late 1986, eliminating a major reason for the expansion program. It continued despite that 'setback.' Also noteworthy is his mention of the VOA's secret message broadcasts to overseas spies."

Thanks for the information Doug. If anybody else has read a new book on radio worth sharing with folks. Why not jot down a few paragraphs and send them in.

Shortwave Sidelines

Okay, I know a lot of folks out there in NASWA land have taken advantage of the F.C.C.'s "No-Code" technicians class license to get into amateur radio. But as NASWAites, you should all have a strong desire to get active in the HF

portion of the Amateur radio bands not just the VHF and higher frequencies the "No-Code" Tech provides. We're into SHORTWAVE, remember? To this end, I strongly recommend

THE ARRL GENERAL CLASS LICENSE MANUAL FOR THE RADIO AMATEUR

Edited by

Larry D. Wolfgang, WR1B


315 Pages

\$12.00

The American Radio Relay League, Inc.

Newington, CT 06111-1494

ISBN 0-87259-468-8

This book is designed to get your HF privileges in style. While your studying your code tapes or computer program, this book will give you all the theory you need to pass the written exam. Unlike many other "question pool" books, the ARRL is not just committed to getting you through the test. The League wants you to become a good amateur as well. The book is an excellent study in the amateur radio art. You will learn how to be a ham, not just how to pass a test. So besides the latest question pool, you find ten very readable chapters on the theory and practice that makes for good General Class operation. Each theory based chapter begins with a glossary list of key words and ideas to help you focus your study. This helps the reader to manage the new concepts that each chapter presents. The actual question pool is set up in a unique way from most other study guides. The answer to each question and the page you can find the basic concept behind the question is printed in the margin in such a way that you can fold the answers back while you try the questions out. Then you simply check your answers against this handy key and then go back and study the concepts that you missed. With this book giving you the theory in such a painless way, you can devote more effort to getting the code down. Soon you'll find yourself ready to join in the ANARC SWL Ham Net on 7240 kHz. But the book does not stop there. You will find an excellent chapter on setting up your HF shack so you can get on the air right the first time. This license manual is yet another fine ARRL product. I'll see you on the low-bands. 

The NASWA Wind-up Radio Modification Kit

By now you probably are aware that the World Radio and TV Handbook (WRTH) for 1996 has awarded its 1995/1996 "Most Innovative Receiver Manufacturer" Award to Baygen Power Company (Pty) Ltd of South

being totally independent of the power lines for DXing the really weak ones. No more power line noise to contend with. No more heavy batteries to lug along and go flat before the end of your next DXpedition.

Now you can take your favorite DXing machine with you into the hinterlands without worrying about how you will avoid power line noise while still running your radio.

Don't forget the aerobic benefits that will accrue to the SWL who winds up his radio for 30 minutes every couple of hours. No one will be able to call the owner of a NASWA wind up radio a couch potato.

In order to show that the wind-up radio is an idea whose time has come, the NASWA research engineers



Figure 1 The NASWA Research Laboratory is easily accessible from I-295, between downtown Washington, DC and the Beltway. Stop in for a visit. (Buch/Brandi Photo)

Africa. They received this award for the design of the Baygen "Freeplay" wind-up radio. The radio is designed for sale in the economically disadvantaged areas of the world where radio batteries can consume a significant percentage of the typical family's income.

Not to be outdone, the engineers at the NASWA Research Laboratory (NRL) have built upon this idea and designed a modification kit to permit the average SWL to convert his favorite receiver to a wind-up configuration. Why do this you ask? You say NASWA members can readily afford electricity and batteries? Sure, but think of the advantage of

didn't just modify some puny, low-current, solid-state radio. No way. They decided to develop a modification kit that would be sufficiently powerful to run a typical boat-anchor type of vacuum tube receiver. The results can be seen in the photos accompanying this article.

There are several advantages the boat-anchor has in the wind-up application. One of the problems reported by users of light weight, solid-state, wind-up radios is that the rotating mechanism causes a counter-torque which can cause the radio to spin when it is placed on a smooth surface. The NRL engineers found the smaller and lighter the radio was,

the more susceptible it was to spinning.

Think of it like a helicopter. When the rotor turns to lift the helicopter, a counter-torque is produced which tends to cause the tail to rotate in the opposite direction. That is why helicopters have the small propeller on the tail to counteract this effect. The NRL research team found that the higher mass of

the boat-anchor radio exerts a stronger force on the table upon which the radio sits. This stronger force increases the static friction between the radio's feet and the table. The higher friction works to prevent the radio from spinning as the spring unwinds. (Patent Pending). A stock Collins R-390A weighs only 85 pounds. NRL engineers are working on the design of a weight-increasing modification for the Collins R-390A which, when combined with a Velcro footpad, should eliminate any tendency for R-390A's and similar radios to spin.



Figure 2 Here is a wind-up radio for the survivalist. The rugged construction and wind-up feature ensures survival against even the dreaded black helicopter attack. This radio comes pretuned to 5065 KHz where you can monitor progress of the war with The New World Order.

and actually enhances the sensitivity of the receiver.



Figure 3 The NASWA Wind-Up Radio Modification Kit is compatible with any furniture decor. This is a wind-up radio modified specifically for easy listening to Radio New Zealand. The wooden tube radio matches their music selections.

The NRL engineers have also developed a new solvent which should be used to clean and lubricate the wind-up mechanism and the contacts in the radio's band switching section. This new solvent has the ability to absorb ether

Not everything the NRL research team tried was successful. They tried a propeller on a long arm, as used on helicopters, to inhibit the tendency to spin. The prop worked but was somewhat noisy and sensitive to air density. It was hard to find a single propeller size, propeller pitch, and arm length which would work from sea level to 10,000 feet. The breeze generated was nice on a hot day, however.

As an experiment, the NRL researchers glued a loop antenna to the top of a solid-state, wind-up radio. As the radio rotated on the desk, it would

automatically provide sequential nulling and enhancement of all the stations on a frequency. This allowed our DXing engineers to log more stations than would be possible with a single loop orientation. And there was no need to manually fiddle with the loop position. NASWA's marketing department research shows some users may actually desire the rotating feature of light weight radios for this reason. An inertial stabilization modification using gyroscopes will likely be offered as an after market modification for those solid-state radio users who don't want the advantage of auto-rotation.

For some reason the usual shortwave distribution outlets have refused to stock the NASWA wind-up radio modification kits. Sometimes

truly innovative concepts take a while to gain general market acceptance. So, NASWA has decided to market the wind-up radio mod kit itself. The first samples are scheduled to be on the shelves of the Company Store by April 1, 1996. Write to Kris Field at the address on the back cover for availability and pricing information. Be sure to include the make and model of your receiver so Kris can quote you the exact price for your radio model.

Also, if you are ever in the Washington, DC area, try to stop by the NRL. It is readily accessible from the Beltway. Follow the Beltway to the South side of town to where it crosses the Potomac River. Look for signs to route 295 North. Take route 295 and get off at exit 1. The photo accompanying this article shows what the exit sign looks like.


As you can imagine with such important work going on, security is pretty tight at our research lab. Oh, before I forget, don't be intimidated by the gun-carrying guards wear-



Figure 4 Do not be intimidated by the imposing security precautions at the NASWA Research Laboratory. We must protect our research from the prying eyes of other SWL clubs who want to purloin our precious intellectual property. (Buch/Brandi Photo)

ing Navy uniforms. NASWA conserves its limited revenue by purchasing surplus Navy uniforms for its gate guards.

Your right to visit the NRL is a privilege of NASWA membership. Just show the guard your NASWA membership card and your cancelled dues check for this year. You will be immediately certified and admitted. Transportation from the gate will be provided. You will be escorted by your own armed personal guide. You will be surprised and amazed at the amount of attention you will receive.

Now let's see who the WRTH names for the 1996/1997 innovation award. Have fun and stay tuned. 

(Note: This article is also available, with color photographs, on NASWeb at <<http://www.mcs.com/~ralph/html/naswa/issues/0496/tech0496.html>>.)

The RF Systems DX-One Pro Active Antenna

This is one of the coolest looking pieces of electronic hardware that I have seen in a long while. If you put this baby up on your house, your neighbors will think that you are an operative for the National Security Agency or at least have a direct connection to the Andromeda galaxy. I am pleased to report that not only is its appearance "space age", its performance is stellar as well. Advertising for active antennas often tout their performance as "rivalling long wires"—the DX-One Pro lives up to that promise. Active antennas in the past have been a compromise for listeners who don't have the real estate to put up full-size passive antennas or are prohibited by restrictive covenants to erect them. The active antennas that have been available in the past have offered easy and convenient installation at the cost of performance, especially in the ability to handle strong signals. Those who can afford the DX-One Pro don't have to make apologies about their antenna system.

Some Theory

Certainly, an outdoor passive wire antenna is the most cost-effective way to get a signal to your receiver. Since they are passive devices, they are resistant to overload and the generation of spurious signals through intermodulation distortion (unless the joints are poor, in which case retification can take place, but that's a topic for Joe Buch's column). The down-side of wire antennas are their size, the lack of wideband frequency response for most designs and the directional effects based on orientation and height above ground, which can be either an advantage or disadvantage. Active antennas, by design, are wide-band devices and have an

omnidirectional response pattern. Because active antennas use a small signal-gathering element, the signal must be amplified (and impedance transformed) to be useful. In the past, poor amplifier design has been the Achilles' heel of active antennas. In short, the amplifiers have to deal simultaneously with all the signals that are reaching the antenna element—the local MW station a few miles away as well as the weak tropical band stations. Poorly designed amplifiers generate audible mixing products, which appear as ghost images at unexpected places on the dial or raise the background level of noise in the receiver, which can mask weak signals. Great pains have been taken in the design and construction of the DX-One Pro to produce a highly linear, low-noise amplifier to ensure the best possible performance.

The Antenna

The DX-One Pro consists of an external unit and an indoor control box. The external element is an "eggbeater" with two diamond shaped elements at right angles to one another mounted above a ground plane of four horizontal radials. The external unit is approximately four feet tall and almost four feet in diameter, so its appearance is not as unobtrusive as active antennas which use a single vertical whip as the antenna element. The quality of construction is excellent, with the central support being made of UV and air pollution resistant polypropylene tubing and the antenna/radial elements constructed of 1/4 inch aluminum alloy rod. The bolts used to mount the elements to the antenna are stainless steel and the machining of the bolt holes is excellent. The external unit is designed to be mounted between 12 to 40

feet above ground and at least 3 feet away from any trees, walls or pipes (except for the support mast below the antenna). The user must supply the support mast and coaxial cable to connect the external unit to the control box. RF Systems' instructions state that the maximum connecting cable length is 150 feet for RG-58U and 300 feet for RG-213U coaxial cable. The instructions also make the point that it is better to use a longer cable to mount the antenna away from noise sources, rather than minimizing the length of the cable run at the expense of increased noise pickup.

The indoor unit is a metal box measuring 6 1/2 x 2 1/2 x 6 inches (WxHxD). The control unit plugs into an AC outlet. The review unit had a European style (round-prong) plug and no adaptor for U.S. outlets. The control box contains the 27 volt power supply for the antenna (which is very well-filtered against power line noise), an output level control (+6, 0, -10, -20, -30 and -40 dB), a switch for the MW suppression filter and isolated outputs (SO-239 coaxial jacks) for two receivers. There is no On/Off switch, as power consumption is so low that the unit can be left connected to the AC outlet permanently. The MW suppression filter is a band-reject type that provides an average attenuation of 40 dB between 540 to 1640 kHz (typically 55 dB at 1000 kHz). The isolation between the receiver outputs is approximately 30 dB, typically 40 dB at 7 MHz.

The Specs

The DX-One Pro is designed to cover the frequency range of 20 kHz to 54 MHz but is usable between 10 kHz to 85 MHz. The receiving pattern is omnidirectional and the antenna has a mixed polarization response pattern—responding both to horizontally and vertically polarized signals. This can help reduce the effect of fading, which can sometimes be due to shifting polarization as shortwave signals are refracted by the ionosphere. This is one advantage the DX-One Pro has over other active antennas which tend to respond best to vertically polarized signals. The noise figure for the antenna is 4 dB or less over the HF spectrum, which

means the antenna is quieter than most receivers. The second order intercept point is $>+75$ dBm and the third order intercept point is $>+50$ dBm, which mean that the DX-One Pro has exceptional strong-signal handling capability and that any abnormal mixing products are below the noise floor. The harmonic distortion of the antenna is $<0.05\%$ which means that any harmonics of strong signals generated by the antenna will be inaudible. These specifications were confirmed by the tests conducted by the World Radio-TV Handbook and published in the active antenna comparison survey in the 1996 edition—which is highly recommended reading for anyone contemplating the purchase of an active antenna. The current price of the DX-One Pro is \$599.

Performance

Thanks to the generosity of NASWA member John Wagner, who purchased a DX-One Pro from the U.S. distributor, Gilfer Shortwave, and allowed me to borrow the antenna, I was able to conduct this review. Since I was only able to use the antenna for a short while (John allowed me to use the antenna first and, although he is very patient, how long would you wait to play with a new toy?), I mounted the antenna in an easily accessible location on the patio. The antenna was mounted about 12 feet above ground and about 18 feet away from the side of the house. If I were mounting the antenna permanently, I probably would have mounted it on a mast on the roof, although it is worthwhile to try various locations with active antennas to locate the position which results in the least noise pickup. The antenna used for comparison is a parallel dipole cut for 90/41 meters, running northeast to southwest and mounted about 30 feet above the ground. The dipole runs over the house. The test receiver was a Drake R-8.

The DX-One Pro had a very even response across the shortwave frequency range. The dipole gave 2-3 more S units on 90 meters and 1-2 S units more on 41 meters, the two bands for which the dipole is resonant. On all other frequency bands, the DX-One and the dipole gave approximately equal S meter

readings. The gain switch for these comparisons was left at the "0 dB" position. Even on the bands where the DX-One resulted in lower S meter readings, the signals were equally readable relative to the dipole because the noise level was also lower. Using the "+6 dB" position on the gain switch gave a higher "S" meter reading, but did not improve the intelligibility of the signal. I did find the increased output of the +6 dB setting to be occasionally useful when using an older Hallicrafters S-53A tube receiver. On some signals, the DX-One Pro did seem to reduce the amount of signal fading present. I was very surprised that, in general, the DX-One Pro was quieter as regards local interference. The dipole would pick up hash from the VCR in the next room, but the interference was inaudible on the DX-One Pro. This relative immunity to interference also seemed to hold for the other noise sources I suffer from at my location. This probably indicates the importance of experimenting with the mounting location of active antennas, i.e. I wonder if the VCR noise would have been picked up had the antenna been mounted on the roof, above the VCR room.

Part of the quietness of the DX-One Pro is due to its outstanding intercept point performance. One night, I thought that I could hear an increase in the amount of

background noise on quiet channels in the tropical bands when the MW suppression filter was switched out, indicating intermodulation products from local broadcasters, but I was unable to confirm this on other nights. Switching in the MW filter did make the second harmonic of a local station on 920 kHz worse, however.

All In All

I was very impressed with the performance of the DX-One Pro. It offers no-compromise performance for those situations where a full-size wire antenna is not an option. I think it also has potential for use for those who can put up a wire antenna due to its omnidirectional pickup pattern, wide frequency response and quietness. For example, one might put up specialized antennas for their bands of interest, such as the tropical bands, and use the DX-One Pro for general SW listening on other bands or listening to stations which are not in the directional pattern of the wire antenna. The only drawback I can find to the DX-One Pro is its price, but you do get what you pay for. Thanks again to John Wagner and Gilfer Shortwave for giving me the opportunity to evaluate this antenna. Gilfer Shortwave can be reached at 52 Park Avenue, Park Ridge, NJ 07656; (201) 391-7887, (800) 445-3371.

The Drake SW8 Revisited

In my review of the Drake SW8 portable receiver which appeared in the July 1994 issue of the Journal, I was generally pleased with the performance of the receiver, but found that it was relatively insensitive with just its built-in whip antenna and required an external antenna for reasonable performance. I must not have been the only person to notice this, as Drake made some changes to the radio, including the inclusion of an RF amplifier for the whip antenna. Units with serial numbers later than 5CXXXXXXXX (where the first two characters are the date code: the first number is the last digit of the year and the second letter is the month, i.e. "C" = March) incorporate this change. Along with the pre-amp, Drake has included a price increase for the SW8—the list price is now \$699.

Excellent Sensitivity

I am pleased to report that the SW8 is now a credible performer as a portable. I compared it alongside a Lowe HF-150, using a whip with the Lowe and the Drake was slightly more sensitive overall. The SW8 also sounded better, since it has a larger, front-facing speaker. The overall circuit noise seems lower with the Drake, yielding a more "hearable" audio output on weak stations (I noticed this also in a side-by-side comparison with a Drake R8). The Lowe's synchronous detector has the advantage of allowing sideband selection, but the Drake's sync detector holds lock better on fading signals and will lock at up to \pm one kHz off the carrier frequency. The Lowe is much "fussier" about being tuned to

zero-beat for the sync to lock, especially when selectable sideband sync is chosen.

There were a few other things that I noticed in the side-by-side comparison with the HF-150. The Drake has a dual time-zone clock and two ON/OFF timers (but no relay to control a tape recorder)—features which the Lowe lacks. Unlike the Lowe, the SW8's display is back-lighted and the frequency readout on the Drake is to 0.1 kHz. The SW8 did suffer from MW images which were audible below 2 MHz. These were not present on the HF-150, but there seemed to be more noise pick-up on the Lowe below 4 MHz. The Drake includes coverage of the FM broadcast and VHF aircraft bands.

Idiosyncracies

There were a few oddities I noticed about the SW8 this time around. There is an audible "pop" that occurs when the tuning knob is used, occurring every 100 kHz. In addition, when a new frequency is entered using the keypad and the receiver is in the AM mode, the bandwidth reverts to a default 6 kHz, regardless of what bandwidth was selected on the previous frequency.

Unchanged Selectivity

I think one of the reasons for the good sound of the SW8 is that the bandwidth filters are relatively wide. I rechecked the filter bandwidths and found essentially the same values (at -6 dB) as before: 7.9, 5.6 and 2.6 kHz for the nominal 6, 4 and 2.3 filter values. KIWA Electronics offer filter modifications for those SW8 owners who want narrower filter values.

Summary

I am pleased to report that the SW8 now offers true portable performance: i.e. excellent reception in a self-contained package, albeit a relatively large package. It is a good choice for those looking for a receiver at an intermediate price point, especially listeners who want a desktop radio that performs well, but offers the capability to be taken outside or used on car trips. I feel that it is definitely too large to be carried along on plane trips. It also offers the advantage of FM broadcast coverage, which may be nice to have if your radio desk doubles as a work desk as mine does. More information on the receiver may be obtained from: R. L. Drake Co., P.O. Box 3006, Miamisburg, OH 45343; 513-866-2421, 1-800-968-7795.



FRENDX: Twenty Five Years Ago....

Because of the volume of mail received at Hdqs and due to restricted time available to handle the mail, Ed Shaw was approved by the Board of Directors to be the club's Corresponding Secretary. Al Sizer earned the Worldwide DX'er (150 countries) and Continental DX'er—Africa (40 countries) awards. Charlie Loudenboomer writes about the "in" game among DX'ers, figuring out the real identities of certain personalities who are hiding out under assumed names. Gerry Dexter announced that two club members were winners of the first two ANARC Merit Awards—Al Niblack and Frank Peters. In the Shortwave Center, Edward Pyatt wrote about Mr. Achebe at the Nigerian Broadcasting Corporation and T. B. Williamson wrote about DX'ing during WWII. In the QSL Report, editor Gregg Calkin points out interesting verifications from Burundi, Lubumbashi, Reunion and some time signal stations from France and Argentina. Flashsheet editor Al Niblack reports a visit by new club member, Jon Williams of Indianapolis.

Listener's Notebook

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

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

AS I SUSPECTED, all the Z96 schedules poured in this month, so I'll try to shoehorn as many of 'em in as the laws of physics (and our publisher) allow. A goodly amount of innerestin' tips in here too. Gracias to all our distinguished contributors.

Now enjoy, while I cool off my aching fingers in a nice saucerful of Palmolive.

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ALBANIA TWR Monaco via Albania, 31 Mar-27 Oct, 1996, all 100 kW, scheduled not every day of the week (see WRTH):

0500-0515	Kurdish	11635
0515-0530	Polish	9470 (x7385)
0830-0845	Hungarian	6045 (x7385)
0830-0900	Hungarian*	7385
0845-0900	Czech/Slovak	9490
1030-1100	Czech/Slovak	7385 9490 Sa/Su
1100-1145	Hungarian	7385 (x5900) 5895 Su (x7385)
1340-1455	Russian	9485 11635 (xMCO 7355)
1444-1459	Kurdish	11695 (x7115)
1500-1530	Polish	7385 (x5895) 9515 (x7335)
1502-1532	Armenian	9445 12080 (x7115)
1535-1620	Ukrainian	7385 9445 (x6235)
1629-1659	Persian	9445 (x9455) 12085 (x7385)
1702-1717	Lithuanian	7385 9660 (x6235)Mo-We
1702-1817	Russian*	9475 (x7355) 11635 (x5890)
1802-1817	Russian	9475 11635 until 27 Sept only
1930-2000	German	7160 13 May-31 Jul, unconfirmed

Hebrew deleted.

* Mon Bjelorrussian

** Czech/Slovak Sa/Su (TWR/Bueschel—Germany)

ANGOLA During a visit to Cabinda Province on 22nd March, Prime Minister Marcelino Moco opened a 25-kW transmitter (waveband not specified) for *Radio Nacional de Angola* at Landa in Cacongo District, Angolan TV reported. (BBCM)

ARGENTINA Radio Castanares, 6239.9 heard at 1138-1212 relaying programs from 1170 MW. (21-Jan/Barrera—Argentina)

20276L R. *Uno* 1540-1730 in SS. FM station from Buenos Aires relayed on this frequency, mainly pop music and IDs (23-Feb/Kuhl/Dx Window/Cumbre) *Radio Condor* heard in both LSB and USB. (13-Mar/Lok/DSWCL)

AUSTRALIA Radio Australia, Operational Schedule M96:

0000-0030	English	17750 13605 11855
0000-0030	French	17860 17795 15510 15365 15240 13755 9660 9580
0030-0100	English	17795 17750 15510 15415 15365 15240 13755 13605 11855 9660 9580
0100-0400	English	21525%Sa/Su 17880*% 17795 17750 17715* 15510 15415 15365* 15240* 13755 13605 9660* 9580*
0400-0430	Chinese**	17715 15510
0400-0430	English	21525%Sa/Su 17880*% 17795 17750 15415 15365* 15240* 13605 11880 9660* 9580*
0430-0500	English	21525%Sa/Su 17880*% 17795 17750 17715* 15510 15415 15365* 15240* 13605 11880 9660* 9580*
0500-0600	English	21525%Sa/Su 17880*% 17795 17715* 15415 15365* 15240* 13605 11880 9660* 9580*
0500-0600	Khmer	15530 15510

0600-0630	English	21525%Sa/Su 17880*% 17715* 15530 15510 15415 15365* 15240* 13605 11880 9860 9660* 9580*	2100-2300 Indonesian 6150 2130-2200 English 17860 17795 13755 13745 11695 11640 9660 9645 9580
0630-0700	English	21525%Sa/Su 17880*% 17715 15530 15510 15415 15240* 13605 11880 9860 9660 9580 6020	2200-2300 BBC 11695 2200-2300 English 17860 17795 15365 13755 13745 11855 9660 9645 9580
0700-0730	English	21725 17715 15530 15510 15415 15240* 13605 11880 9860 6020	2200-2330 Chinese 13605 9850 2300-2330 Chinese 15240 2300-2330 English 17860 17795 15365 13755 13745 11855 11695 9660 9645 9580
0700-0900	Tok Pisin	5995	2330-2400 English 17860 17795 15365 15240 13755 13745 13605 11855 11695 9850 9660 9645 9580
0730-0800	English	21725 17715 15530 15510 15415 9860 9710 9580 6080 6020	
0800-0900	English	21725 17715 15530 9860 9710 9580 9510 6080 6020	* = English weekdays, sport on Saturday ** = sport on Saturday & Sunday
0800-1130	Indonesian	11640 9770 9560	% = -6 dB carrier WRT PEP, USB
0900-1030	English	21725 13605 9860 9580 9510 7240	(06-Mar/R. Australia Mar 6/Bueschel—Germany)
0900-1200	Tok Pisin	9710 6080 6020 5995	The Tourist Information Service on the east coast is planning and has applied for a low power short- wave transmitter to operate in the Tropical Band. The application is still pending but this could result in a very interesting DX target being established in the 60 or 90 meter band. (22-Mar/Cushen/RNMN/ Sellers/ODXA/Bueschel—Germany)
1030-1100	English	21725 9860 9580 7240	
1030-1230	Chinese	9510	
1030-1330	Chinese	13605	
1100-1130	English	15530 9860 9615 9580 7240	
1130-1230	English	15530 9860 9615 9580 9560	
1130-1230	Khmer	9770 7240 7150	
1200-1330	Chinese	6080 6060	
1230-1300	English	15530 11800 9615 9580 9560 5995	
1230-1300	Other	9770	
1230-1300	Other	7150	
1230-1330	Chinese	9510 6060	
1300-1400	English	11800 9615 9580 9560 5995	
1300-1430	Vietnamese	11660 9770 7150	
1330-1430	Cantonese	9510 6080 6060	
1400-1430	English	11800 9615 9580 9560 5995	
1430-1700	English	12080 11800 11660 9615 9580 6090 6080 6060 5995	
1700-1800	English	12080 11880 11660 9860 9615 9580 6090 6080 6060	
1800-1830	English	12080 11880 11660 9860 9580 7330 6090 6080 6060	
1830-1930	English	12080 11880 11660 11640 9860 9580 7330 6090 6080	
1930-2100	English	12080 11880 11660 11640 9860 9580 7330 6150 6080	
2100-0030	Indonesian	15415 11640	
2100-2130	English	13745 11880 11695 11640 9860 9660 9645 9580 6080	
			BANGLADESH <i>Radio Bangladesh</i> domestic service sked: 0000-0505 Bengali/English 4880 1150-1615 Bengali/English 4880 1150-1740 Bengali/English 15520 (BBCM) Domestic service relay for foreign workers in the Near East & Middle East noted on 15520.3 kHz at 1300; poor signal level. (10-Mar/Bueschel—Germa- ny) BELGIUM <i>Radio Vlaanderen International</i> Brus- sels schedule until Sept 28, 1996: 0500-0600 Dutch 7240 11640 0600-0630 Dutch 5985 9925 0630-0700 English 5985 9925 0700-0730 French 6035 9925 15545 0730-0830 Dutch 6035 7190 9925 0800-1000 Dutch 6035 9925 17595 Su 0830-0900 German 6035 7105(via DW) 7190 9925 Mo-Sa 0900-0930 English 6035 15545 17595 Mo-Sa 0930-1000 French 6035 15545 17595 Mo-Sa 1000-1100 Dutch 15545 17595 Su 1000-1100 Dutch 6035 15545 17595 Mo-Sa 1100-1130 Dutch 6035 11640 17595 1130-1200 Spanish 6035 11640 1200-1230 Dutch 13605 15540 Su 1200-1230 English 13605 15540 Su 1200-1300 Dutch 13605 15540 Mo-Sa 1300-1330 English 13605 15540 Mo-Sa

1300-1600	Dutch*	9925 11640 17690 Su
1330-1400	French	13605 15540 Mo-Sa
1600-1630	Dutch	9925 13795 17640
1630-1700	Arabic	9925 13795 17640
1700-1730	Dutch	5910 9925
1730-1800	German	5910 9925
1800-1830	English	5910 13645 Mo-Sa
1800-1830	English	5910 13645 13685 Su
1800-2010	Dutch*	13685 We/Sa
1830-1900	French	5910 13645 13685 Su
1830-1900	French	5910 13645 Mo-Sa
1900-2000	Dutch	5910 9925 13645
2000-2030	Dutch	5910 9925
2030-2100	Spanish	5910 9925
2100-2130	English	5910
2130-2200	French	9925 11815
2200-2300	Dutch	9925 11815
2300-2330	Spanish	9925 11815
2330-2400	English	9925 11815

* sports coverage (24-Feb/RVI/Golfgids/DSWCI)

BELIZE Belize's Ministry of Economic Development has categorically denied Glenn Hauser & BBC Monitoring's report that *Radio Belize* would soon cease to exist. Quote, "We wish to inform you that the internal problems which BCB faced have been resolved and BCB will continue its operations..." (7-Mar/BBCM)

BHUTAN *BBS* on 5023.06, where it has appeared at times in the past, almost as good as Radio Nepal at 1217+. Presumed back on 5030 (covered by Costa Rica) on Mar 7 & 9. (4-Mar/Clark—Canada)

BOLIVIA 3200.36, *R. Nueve de Abril* (p), 0930-1000, canned anmnts at 0956 w/poss. ID by M. Best at t/in, fading badly by 1000. (2-Mar/Valko/Cumbre)

BRAZIL 4865 *R. Alvorada*, Londrina, reactive, hrd @1930. (18-Feb/Omiya/Relampago DX/TIN—Japan) 11965.5 *R. Record* at 2158, poor w/splatter from 11960. (14-Mar/Hill)

CANADA Canada's heritage minister has once again expressed support for *Radio Canada International* [RCI]. Sheila Copps told a meeting of the Montreal Council of Foreign Relations on 14 February that she guarantees the survival of RCI until 31st March 1997. (BBCM)

CHINA 4815 *China R. Int'l* *2300 "EIR," ID in Chinese for CRI by man and woman, M ID in Russian, into extended rap in Russian by W. Listed with modest 10 kw in PWBR, husky 120/250 kw in TBN; not shown at all in WRTH back of book. So who d'ya believe? (17-Mar/Hill)

5220 *R. France International* 1425 English to Far East. Per WRTH96, freq should be carrying CRI Tamil at this time. CRI Tamil heard on 11575 and 9457, but not on this freq. Also faintly via France on 7110, but nowhere else. (14-Mar/Grimmett/Cumbre)

Tibetan People's Broadcasting Station, Lhasa, very clearly during the European evenings. Particularly good on 6200 from *2300-0100, when Prague moves in.//s 4035 and 5020 also clearly audible, making station an easy ID. (29-Feb/Davies—UK)

CIS R. Rossii first reported on 6584U by Hausie, WB4JSP on the ANARC net. Jerry Berg heard f/in around 2100, s/off varying from 2250 to 2400. Berg asked Vladimir Titarev (Ukraine) to check it out; he ID'd it R. Rossii, //263 and 873 kHz. (Hausenfluck/Berg/Titarev—Ukraine)

Radio Radonezh, radio station of the Russian orthodox church, operates in Russian on 5905 from 1900-2000. (BBCM)

Radio Nadezhda is now on MW & FM only. *Radio St. Alpha & Omega* vanished from SW as well. Still active: *R. St. Lena* 5920 & 6125 kHz, *Radio 7* on 6130 & 9550 kHz, *R. Slavyanka* 7100 kHz, *R. Stn. Radonezh* 5905* kHz, *R. Alef* 6005* kHz, *R. Kala Aturaya* 6005* & 6130* kHz, *R. Islamskaya Volna* 6005* kHz. * = winter frequencies, may change from March 31st. (Rudnev—Russia/Bueschel—Germany)

Deutsche Welle amended sked, reflection closure of the Cyclops (Malta) relay:

0000-0050	Russian	9865V 9815P 5925S
0000-0300	German	9525N
0100-0150	Bengala	6055T 7355N
0200-0250	English	7265T
0200-0350	English	7355S
0400-0550	Arabic	9875K
0600-1000	German	17845N
0900-0950	English	7380I
1000-1050	Persian	15525S
1000-1400	German	7340N
1100-1130	Japanese	7390P 5925I
1200-1320	Chinese	7390N 5895P
1330-1420	Indonesian	9850C
1400-1800	German	7315S
1430-1600	Urdu/Hindi	7305N 7225T
1600-1650	English	7305N 7225T
1600-1755	Russian	5945S
1800-1850	Persian	6140K
1800-1930	Russian	5945S
1800-2000	German	7445S
1900-2120	Arabic	7265K
2100-2150	English	9670I
2100-2150	Russian	5925I
2200-2250	Indonesian	7315N
2200-2250	Japanese	7130N

2200-2400 German 5925N
 2300-2350 English 7150N
 Sites: C=Chita; I=Irkutsk; K=Krasnodar;
 N=Novosibirsk; P=Petropavlovsk-Kamchatsky;
 S=Samara; T=Tashkent; V=Vladivostok (DW/Volk—
 Germany/ARDXC/Bueschel—Germany)

VoR "Stimme Russlands" in German, thru Sept.
 1st:

0900-1000 11745 12010 15455
 1500-1600 7280 9720 11980 12010
 1600-1700 9470 9720 11980
 1700-1800 7280 7310 9470 9720 11980 12010
 1800-1900 7310 9470 9720 11980

(24-Mar/VoR/Klink/Bueschel—Germany)

AWR via Russia:

0330-0400 Persian 12035
 1530-1600 Polish 9890
 1600-1630 Norwegian 9890 Tu/Sa
 1600-1630 Spanish 9890 Mo/Th
 1600-1630 Swedish 9890 Su/We/Fr
 1630-1700 Persian ??? (tba)

(BBCM)

Abkhaz Radio, based in Sukhumi, capital of the breakaway region of Abkhazia in northwest Georgia, is now being heard on both 9494.75 and new 9508.75 kHz. Erratic sked nominally 0400-0500. (BBCM) Station relays Radio Rossii during daytime on v9494.8 kHz, noted here at 0700-0900. (23-Feb/Bueschel—Germany) My feeling is that the station IS coming from Abkhaz-based transmitters. To go back to the beginning, when Abkhaz Radio was first heard (in 1993) it was definitely using transmitters in Russia (e.g. Krasnodar on 1089 kHz). However, the following year, 1994, they were heard on the rather unusual frequency of 9373 kHz, possibly coming from Abkhazia itself. They were also announcing 1350 kHz, which has been listed in WRTH as Sokhumi for a number of years (thus lending credence to the idea that the shortwave transmitter was also in Abkhazia). 9373 kHz was later replaced by the off-channel frequency around 9495 kHz. The fact that it is off-channel also supports the theory that it's in Abkhazia (off-channel Russian transmitters being a rarity). By a coincidence, yesterday's *DX Club* program on Golos Rossii reported that "owing to the electricity shortage", Abkhaz Radio was now operating on a reduced schedule: 0400-0500 on 1350 kHz and 9495 kHz; and 1510-1600 (not Sundays) on 1350 kHz only. This also points to an Abkhaz location for the transmitters (power shortages being much more likely in Abkhazia rather than Russia). (Greenway—UK/Johnson/Bueschel—Germany)

Armenian Radio Yerevan in French 0900, English 0930-1000 on Suns only, announcing wrong frequency of 15370 kHz, still on single frequency powerhouse 15270 kHz with 1000 kW. At night still on 9965 kHz. (10-Mar/Bueschel—Germany)

Belarus Radio:

0400-1600 Belarusian 7210 7145 7140 6150
 6115 6080
 1600-1700 Belarusian 15175 7210 7140 6150
 6115 6080
 1700-2300 Belarusian 17805 15175 11920
 11840 11690 7210 6115

Belarusian Radio Second Program "Krynicia":
 0500-2200 Belarusian 7265-unconfirmed
 (BBCM)

Feeder relays, all on SSB. Mon-Fri: **Mayak** program. Sat/Sun: combined 0600-1600 5032 5262 7310-dsb 4855 **Mayak** program only 1530-2300 6110-dsb **Radio Rossii** program 2000-2200 6222 kHz, 1800-2000 6805 kHz. (11-Mar/Rumen Pankov/Ivo Ivanov—Bulgaria)

Radio Estonia, Tallinn:

0800-0900 Finnish 5925 Su
 0900-0930 Swedish 5925 Su
 1600-1610 Finnish 5925 Mo-Fr
 German 5925 Mo-Fr
 1620-1630 English 5925 Mo-Fr
 2000-2030 English* 5925 Mo/Tu
 2000-2030 German 5925 Tu/Fr
 2030-2100 Finnish 5925 Mo-Fr
 2100-2130 Swedish** 5925 Mo-Fr

* includes DX program 1st Monday of the month

** Esperanto at 2115 on Thursdays (BBCM)

Georgian Radio, Tbilisi:

0500-0600 Georgian 6080 Tu/Th
 0600-0630 Russian 11910
 0630-0700 English 11910
 0630-0800 Georgian 6080 Tu/Th
 0700-0730 German 11910
 0800-0830 German 11910
 0830-0900 English 11910
 0930-1000 English 11910
 1000-1030 Georgian 11910
 1600-1630 English 6230
 1600-1700 Georgian 6080 Sa/Su
 1700-1730 Georgian 6230
 1730-1900 Georgian 5990 Sa/Su
 1800-1830 German 6080
 1830-1900 English 6080
 1930-2000 English 6080
 2000-2030 German 6080
 2030-2100 Russian 6080

(BBCM)

Radio Latvia, Riga:

2000-2030 English 5935 Sa
 2030-2100 Russian 5935 Sa
 2050-2100 Russian 5935 Mo-Fr
 2100-2130 Latvian 5935 Mo-Fr
 2130-2135 English 5935 Mo-Fr

(BBCM)

Lithuanian Radio has cut back operations of its sole shortwave frequency, 9710 kHz. Sked now less than three hours a day:

- 2000-2030 Radio Vilnius external service in English
2030-2200 First Program of Lithuanian Radio's domestic service
2200-2230 Radio Vilnius external service in Lithuanian

The **Radio Vilnius** external service continues to be relayed via a shortwave transmitter at Jülich in Germany at 0000-0030 in Lithuanian and at 0030-0100 in English. (BBCM)

Murmansk Radio sked 0400-2100 in Russian on 5930. (BBCM)

On March 8, a fire destroyed much of the **Ukrainian Radio-TV** Center. According to Mr. Vladimir Reznikov, one of the Ukrainian Radio officials, "these studios will not be in operation for a long time." In the interim, R. Ukraine broadcasts from reserve studios in Kiev. (10-Mar/Pashkevich—Russia/Bueschel—Germany) IJAR-TASS says "the damage is estimated at several billion karbovantsi." [Anyone know the exchange rate for dollars-to-karbovantsi? - ed.]

CLANDESTINE-AFRICA *Voice of Oromo Liberation* broadcasts to the Horn of Africa via Kiev, from 1600-1700 Mo/We/Sa on 5960 kHz. QSL letter from Taye Tefera, Secretary, European Committee for SBO (SBO stands for Sagalee Bilisummaa Oromoo) states, "Oromiya, a nation of 30 million people, needs a radio broadcast for education, democracy, peace and gender equality; SBO aims to include a health program in its transmission and concentrate on elementary health care and campaigning against AIDS. Family planning will be part of its program." Street address is: SBO, Prinzenallee 81, D-13357 Berlin, Germany; postal address: SBO, Postfach 510 610, D-13366 Berlin, Germany. Tel.: +49-30-4941036, Fax: +49-30-4943372. (Passmann—Germany/Cumbre DX)

CLANDESTINE-ASIA *Voice of Kashmir Freedom* in Urdu observed at 0255 and 1548 on 5300 kHz, // 6300 kHz. Also at 1530 on 4115 kHz. (Bueschel—Germany)

CLANDESTINE-LATIN AMERICA *La Voz Popular* broadcasts on behalf of the URNG and in opposition to the Guatemalan government. It announces that it broadcasts from the mountains of the Sierra Madre, in Guatemala, with programs in Spanish and Mayan. Sked is Tu and Fr only, 2315-0020 on 7000v (noted from 6970-7015 kHz). (BBCM)

CLANDESTINE-MID EAST *Al-Quds Radio* describes itself as "the Palestinian Arab station on

the path of liberating land and man" (Arabic: *Al-Quds, al-Idha'ah al-Arabiyyah al-Filastiniyah ala Tariq Tahrir al-Ard waal-Insan*). It broadcasts from Syria and supports Palestinian factions opposed to Yasir Arafat and the peace process, notably the PFLP-GC (Popular Front for the Liberation of Palestine—General Command). Although broadcasting primarily in Arabic, both English and Hebrew have also been noted. Address: PO Box 5092, Damascus, Syria. Announced sked 0700-1800 on 5990v and 5910v, although neither shortwave frequency has actually been heard. Station claims it is jammed by Jordan. (BBCM)

Radio Message of Freedom, the opposition station which supports the Islamic Party (Hezb-e Islami) of Afghanistan led by Golboddin Hekmatyar, is now on 6240 kHz for its regular transmissions at 0230-0400 and 0730-0900. (BBCM)

Voice of Palestine, Voice of the Palestinian Islamic Revolution (Arabic: *Sawt al-Filistin, Sawt al-Thawrah al-Islamiyah al-Filistiniyah*) operates from Iran:

- | | | |
|-----------|--------|-----------|
| 0400-0430 | Arabic | 9670 5995 |
| 1230-1300 | Arabic | 11745 |
| 1830-1930 | Arabic | 7070 6025 |

(BBCM)

9568.4 kHz *Voice of Iraqi People* Sout Sha'b al-Iraq observed at 2100-2200 in Arabic. (23-Mar/Bueschel—Germany)

COLOMBIA Pirate station *R. Catolica Nacional*, 3579.8, was raided in early December and the equipment confiscated. (10-Mar/Klemetz/ Dateline Bogota)

CONGO RTV *Congolaise* back on 4765 kHz in French with strong signals signing on at 0400. (6-Mar/Krone/DSWCI)

COSTA RICA *Radio Exterior de Espana's* Cariari relay now using 3225 kHz:

- | | | |
|-----------|---------|-------|
| 0100-0400 | Spanish | Tu-Sa |
| 1100-1400 | Spanish | Mo-Fr |

(BBCM)

5119.6H *R. Alajuela* (1280 x 4) heard with local news and id at 0238. They are well aware of their shortwave outlet. (15-Mar/Johnson/Cumbre)

CZECH REPUBLIC *Radio Prague* summer schedule:

- | | | |
|-----------|---------|-----------|
| 0000-0027 | English | 5930 7345 |
| 0030-0057 | Spanish | 5930 7345 |
| 0100-0127 | English | 6200 7345 |
| 0130-0157 | Czech | 6200 |
| 0200-0227 | Spanish | 6200 7345 |

0230-0257	Czech	5930 7345
0300-0327	English	5930 7345
0330-0357	English	9480
0600-0627	French	5930 7345
0630-0657	German	5930 7345
0700-0727	English	7345 9530
0900-0930	English	15640 17485
0930-0957	Czech	15640 17485
1000-1057	German	6055 7345
1030-1057	English	7345 9505
1100-1127	French	7345 9505
1130-1157	Spanish	9505 11990
1200-1227	German	6055 7345
1230-1257	Czech	6055 7345
1300-1330	English	11660 17485
1330-1357	Czech	11660 17485
1400-1427	Czech	5930 13580
1430-1457	French	5930
1500-1527	German	5930
1530-1557	Czech	5930 17485
1600-1627	English	5930 17485
1630-1657	French	5835 15640
1700-1727	English	5835 15640
1730-1757	Czech	5835 15640
1800-1827	Spanish	5835 11640
1830-1857	French	5930 11640
1900-1927	Spanish	5930 11640
1930-1957	Czech	5930 11640
2000-2027	English	5930 11600
2030-2057	Spanish	5930 11600
2200-2227	French	7345* 9430
2230-2257	English	7345* 9430
2300-2327	Spanish	7345 9405
2330-2357	Czech	7345 9405

* Replaced by 9405? (illegible) kHz May 5th-Sept 1st, 1996. (25-Mar/R. Prague/Bueschel—Germany)

DENMARK R. Denmark:

0030-0055	7275 9525 7465
0130-0155	9560 7465
0230-0255	9560 7465
0330-0355	9565 7165 7465
0430-0455	7465 9565 13805
0530-0555	7465 13805
0630-0655	7180 7295 9590 13805
0730-0755	7180 9590 7295 13805
0830-0855	17860 15220
0930-0955	17860 13800
1030-1055	9480 15220
1130-1155	7295 17740
1230-1255	9590 13800 15305 11840
1330-1355	9590 13800 15305 15340
1430-1455	15340 13800
1530-1555	11840 13805 15230
1630-1655	11860 11840 15340 13805
1730-1755	7485 11860 15220
1830-1855	7485 13805 15220 9590
1930-1955	7520 11860 15220 13805
2030-2055	7485 9590

2130-2155	9495 7205 9590
2230-2255	9495 11840
2330-2355	7275 7490 9485

From the looks of the text, in Danish, there's a 15-minute English segment on all broadcasts, Sunday and Monday, from 38-53 minutes past the hour. (Bueschel—Germany)

ECUADOR Latest for HCJB:

0000-0030	French	21455U 12005
0000-0504	Spanish	15140 6050
0030-0300	Quechua	6080 3220
0030-0700	English	21455U 9745
0115-0130	Tajik	11635 Su-Th
0130-0147	Uzbek	11635 Su-Th
0147-0200	Russian	11635 Su-Th
0200-0400	Russian	11635
0400-0430	Georgian	11635 Su-Th
0400-0430	Russian	11635 Fr/Sa
0430-0500	German	5865
0430-0500	Japanese	9765
0500-0515	Kikongo	9765 Mo-Fr
0500-0515	Portuguese	9765 Sa/Su
0500-0515	Ukrainian	11615
0500-0530	Czech	12025 Su/Tu/We/Th/Sa
0500-0530	Slovak	12025 Mo/Fr
0515-0600	Portuguese	9765 Mo-Fr
0515-0700	Russian	11615
0530-0600	Nordic	12025 Sa
0530-0600	Portuguese	12025 Su-Fr
0600-0630	German	12025
0630-0700	French	12025
0700-0830	English	11615
0700-1130	English	21455U 5900
0730-0930	Portuguese	6125
0830-1000	Quechua	6110 6080 3220
0930-1000	German	6125
1000-1330	Quechua	6080 3220
1030-1200	Spanish	11960 6050
1100-1130	English	21455U 12005
1130-1200	Japanese	9415
1130-1500	English	21455U 15115 12005
1200-1300	Spanish	11960 9415 6050
1300-1500	Spanish	11960 6050
1500-1600	English	21455U
1500-1600	Portuguese	15295
1500-2400	Spanish	15140 6050
1600-1700	Portuguese	21455U 15295
1700-1800	Portuguese	15295
1700-2200	English	21455U 15540 11960
1800-1830	Czech	15520 Su/Tu/Th/Sa
1800-1830	Slovak	15520 Mo/We/Fr
1830-1900	German	15520
1900-2000	Arabic	15520
2000-2030	Nordic	15520 Sa
2000-2030	Portuguese	15520 Su-Fr
2030-2100	French	15520
2100-2130	German	21455U 12025
2100-2200	Quechua	6080 3220

2130-2230 Spanish 15520
 2200-0030 Quechua 9745 6080 3220
 2200-2300 Japanese 21455U 11615
 2230-2400 German 21455U 12005
 2300-0230 Portuguese 15295 11615
 (18-Mar/McVicar—Ecuador)

HCJB's newest 100-kW shortwave transmitter has arrived at Pifo. The transmitter, an HC100 from HCJB's own transmitter-manufacturing plant at Elkhart, Indiana, has been unloaded and is currently being installed. It will operate between about 6 and 21 MHz and is expected to be operational in about two to three months. (23-Mar/HCJB)

ETHIOPIA The official name of "Ethiopia" is now the "Federal Democratic Republic Of Ethiopia." (Jan/ITU News/Padula—Australia) [This is a corollary to the law that the length of nation's national anthem is inversely proportional to its size...ed.]

FRANCE 3980 RFI-Issoudin on new frequency for German *1800-1900* ex 3985, obviously to avoid BBC-Skelton on 3985, also in German, *1830-1900* (15-Mar/Padula—Australia)

GERMANY By end of 1996 additional four new 500 kW *Deutsche Welle* transmitters will be ready at Wertachtal location, SW of Munich. Also four new 500 kW SW txs are under construction at Nauen site, west of Berlin. (16-Mar/ORF SW Panorama/Bueschel—Germany). *Deutsche Welle* is currently engaged in talks to lease transmitter time in Cyprus and Monaco after its licence agreement for the lease of the Malta transmitter lapsed after both parties failed to reach an agreement on a fee acceptable to both sides. For a short period, pending the introduction of the new programming schedule in the autumn of this year, a powerful transmitter is to be leased in Russia near the Black Sea. (16-Mar/ORF/BBCM) [see CIS]

GREECE *Voice of Greece* to Europe 1900-1950 now on 7430 kHz (x9380) in EE/FF/GG/II/SW. (24-Mar/RVI/Bueschel—Germany)

GUAM The fourth shortwave transmitter at *Adventist World Radio's* Guam station (*KSDA*) is in full-time service. (BBCM) The complete schedule:

0000-0100 Burmese 17645
 0000-0200 Chinese 15225
 0100-0200 Bengali 17645
 0200-0400 Chinese 15225 Sa/Su
 1000-1030 Minnan 15225
 1000-1030 Russian 9530
 1000-1100 English 9530 (fm 1030) 9370
 1000-1200 Chinese 15225 (fm 1100) 11980
 1030-1100 Hakka 15225
 1100-1200 Cantonese 9370

1100-1200 Indonesian 13720
 1200-1300 Cebuano 13720 Mo/We
 1200-1300 Chinese 9370
 1200-1300 Ilongo 13720 Su/Tu
 1200-1300 Korean 9650
 1200-1300 Tagalog 13720 Tu/Fr/Sa
 1200-1300 Vietnamese 11850
 1300-1330 Japanese 9650
 1300-1400 Bengali 13720
 1300-1500 Chinese 11980 7455
 1330-1400 English 9650
 1400-1500 Burmese 9370
 1400-1500 Sinhalese 7395
 1500-1600 Hindi 9385
 1500-1600 Punjabi/ Malayalam 9370
 1500-1600 Tamil/ Kannada 7395
 1500-1600 Telugu/ Marathi 11980
 1600-1700 English 7395
 1600-1800 Arabic 13840
 1700-1730 Persian 9370
 1730-1800 English 9370
 2000-2100 Korean 9495 5950
 2100-2130 Japanese 15310
 2100-2200 Chinese 9370
 2130-2200 English 15310
 2200-2300 Chinese 15225 11980
 2200-2300 Indonesian 9635
 2200-2300 Vietnamese 11775
 2300-2400 Cantonese 11980
 2300-2400 Chinese 15610 15225
 2300-2400 English 11775
 (BBCM)

GUATEMALA *AWR Guatemala* in Spanish is sked 1100-0200 on 5980. (BBCM)

GUYANA Per a fax from *GBC*, the station will install a new 10 kW Energy Onix shortwave transmitter (type HF 10K-2) in May '96 at Sparendaaam (58.10W 06.49N) (Maes/DXA/Schotmans—Belgium)

HONDURAS 7459.8nf *R. Copan Intl* 0107-0231+ Signal good but faded around 0200 while UTE on 7457 became stronger. (12-Mar/Fleming/Cumbre) Station is testing irregularly in local evenings while antenna adjustments are being made, running about 280 watts. (12-Mar/White/Cumbre)

HONG KONG 3940 *Royal Hong Kong Yacht Club* is sked with weather broadcasts for annual yacht race:

- 1015 on 2nd April
- twice daily at 2215 and 1015 for the period 3-8 April
- once daily at 2215 for the period 9-21 April.

Royal Hong Kong Yacht Club (fax 852-25725399) is the organizer and is to hire the shortwave service from a telecommunication service provider. (Li/RTHK/Lamb/Cumbre) Nominal 3940, but worth checking up to 3942v in either AM or USB mode; believe power is a2-2.5 kW. (Clark—Canada)

INDIA The 50-kW *AJR* SW transmitter at Imphal was inaugurated on 20 Feb, according to AIR. (20-Feb/AIR/BBCM) Imphal registered in WRTH '96 on 4775 6035 7130 9650 kHz. (Bueschel—Germany). 4790 *AJR Itanagar* 1235-1240, fair and possibly // 4920 Madras with EE news. Separate pgm after 1240. (16-Feb/Clark/Guha/Schulze/DSWCL)

The External Service of *All India Radio* has joined the trend to establishing transmission schedules twice yearly in March and September, instead of 4 times annually (March, May, September and November). (Guha—India/ODXA World Radio Report/Clark—Canada)

AJR HOME NEWS SERVICE (ENGLISH/HINDI)

0030-0035	Hindi	11870 11830 7110
0035-0040	English	11870 11830 7110
0125-0130	Sanskrit	15135 11830 7110
0130-0135	Hindi	15135 11830 7110
0135-0145	Assamese	15135
0145-0155	Oriya	11830
0155-0205	Tamil	11830
0205-0215	Bengali	15135
0215-0225	Malayalam	11830
0225-0235	Kannada	11830
0235-0245	Gujarati	11830
0245-0300	Kashmiri	7110
0300-0310	Hindi	15135 11830 7110 6045 3945
0310-0320	English	15135 11830 7110 6045 3945
0320-0330	Dogri	7110
0330-0335	Marathi	11830
0335-0355	Punjabi	6045
0355-0400	Sindhi	11830 7110
0400-0410	Urdu	15135 11830
0410-0420	Hindi	7110
0420-0430	Hindi/English	15135 11830 7110
0430-0440	Hindi	15135 11830 7110 Su
0440-0450	Telugu	15260
0450-0460	Tamil	15260
0460-0470	Malayalam	15260
0470-0480	English	15260 15185
0480-0490	Hindi	15260 15185
0490-0500	Kannada	15260
0500-0510	Gujarati	15260
0510-0520	Bengali	15185
0520-0530	Marathi	15260
0530-0540	Assamese	15185
0540-0550	Punjabi	9595
0550-0600	Oriya	15185

0820-0830	Urdu	15260 9595
0830-0840	English	15260 15185 7250
0840-0850	Hindi	15260 15185 7250
1130-1135	Hindi	15185 11710 11620 9595
1135-1140	English	15185 11710 11620 9595
1230-1235	English	17865 6185 4860
1235-1240	Hindi	17865 6185 4860
1240-1245	Sanskrit	17865 6185 4860
1245-1255	Sindhi	6185
1255-1310	Kashmiri	6185
1330-1335	Hindi	9685 9565 6185
1335-1340	Hindi	6185
1335-1345	Assamese	9565
1335-1345	Telugu	9685
1345-1355	Dogri	6185
1345-1355	Oriya	9565
1345-1355	Tamil	9685
1355-1405	Malayalam	9685
1355-1405	Nepali	9565
1400-1410	Punjabi	3365
1405-1415	Bengali	9565
1405-1415	Kannada	9685
1420-1430	Gujarati	9685
1430-1435	English	9685 9565 6185 3945
1435-1440	English	9565 6185 3945
1435-1445	Marathi	9685
1515-1530	Hindi	9685 9565 6185 3945
1530-1545	English	11740 9910 9685 9565 9530 7410 7140 6185 3945
1545-1600	Urdu	9685 6185
1730-1735	English	9685 9565 7140 6185
1735-1740	Hindi	9685 9565 7140 6185

(BBCM)

INDONESIA

- 2904.5 *RKPD2 Ngada* (p) 1250 w/talk. 1300 Jakarta news and 1320 pop music. Too weak to ID. (7-Mar/Johnson/Cumbre)
- 2694.8 *RPDT2 Ende* reactive on Feb 10th at 1227; signal level about the same as *RPDT2 Ngada* on 2904.5. (Foster—NZ/OZDX/ODXA World Radio Report/Clark—Canada)
- 2960 *RPDT2 Manggarai* (vy t) around 1322, gone by 1334. (8-Mar/Johnson/Cumbre)
- 3133.9 *RSPDT2 Halmaherah Tengah* (p) very drifts transmitter, it drifted 100 hz in 10 minutes. Carries Jakarta news at 1300. (8/9-Mar/Johnson/Cumbre) Schulze in January said RDK Serang here.
- 3214.8 *RRI Manado* 1252 drama program, 1257 end of show and ads, left air suddenly at 1319 (listed 1215*). (7-Mar/Johnson/Cumbre)
- 3222.9 *RRI Mataram*, 1121-1145, fair w/long discussion by two W. (9-Mar/Kecskes/Cumbre)
- 3249.84 *RRI Banjarmasin* 1430-1503*, M anmt at 1431, generic RRI ID. (8-Mar/Martin/Cumbre) 3264.82 RRI Bengkulu 1428-1500+; nice local piano IS at 1430, to M local nx. (9-Mar/Martin/Cumbre)

- 3266.4 **RRR Gorontalo** (p) no ID, drama prog, pulled plug at 1259 without an ID. (7-Mar/Johnson/Cumbre)
- 3295 **RRR Samarinda** 1315 w/Indo pops; good sig but low mod. (20-Feb/Henderson/Cumbre)
- 3295.3 **RRR Samarinda** reactivated Jan 31st at 1217-1230 with local pops. (Yamada & Ishida—Japan/IDXR/ODXA World Radio Report/Clark—Canada)
- 3395.1 **RRR Tanjung Karang** 2159 Repeated SCI, then M tlk at 2200. Very weak. (24-Feb/Hill)
- 3905 **RRR Meruake** fair under R. New Ireland at 1155; then in the clear for SCI at 1159 as the PNG left the air a minute or so early. (4-Mar/Clark)
- 3976 **RRR Pontianak** 1028-1205 long talk and mx segments to SCI at 1158, followed by Jakarta nx at 1200. Fair but tough w/ham slop. (23-Feb/D'Angelo/Cumbre)
- 4003.22 **RRR Padang** still good at 2316 w/M&W chat, then into vocal. Still adequate audio approaching 2330 but failed to check for local IS at that time. (14-Mar/Clark)
- 4606.4 **RRR Serui** good at 1150 with talk M. (9-Mar/Clark)
- 4753.4v **RRR Ujung Pandang** booming in with music pgm at 1150 on Mar 4, but now possibly a xmtr breakdown: off the air when checked on Mar 9/10; not on old 4719 either. (Clark)
- 4866.45 **RRR Wamena** at 1159 w/pres local ID by W, then SCI. (4-Mar/Clark)
- 4874.6 **RRR Sorong** on again-off again but back on today and fair at 1147 w/instrumental. Transmitter not up to its former self—for one thing, modulation is noticeably lower. (14-Mar/Clark—Canada)
- 4910 **RRR Bukittinggi** @1500 Qur'an, Indo ID, SCI. (20-Feb/Henderson/Cumbre) 4910.4 at 1518-1530 w/ Indo talk, mx. (24-Feb/Veldhuis/Cumbre)
- 4925 **RRR Jambi** 1259 ad, brief talk by woman then SCI and news at 1300. (8-Mar/Johnson/Cumbre)
- 5040 **RRR Pekanbaru** 1239 Qur'an 1256, 1259 W ID and SCI. (9-Mar/Johnson/Cumbre)
- 5059.15 **RRR Yogyakarta** at 1205 with Jak news; punchy signal thru usual hets (4-Mar/Clark)
- 6152.97 **RRR Biak** weak but relatively clear 1209:30 w/anthem ending Jak news; brief anmt and then into Indo pops. (4-Mar/Clark)

All three new 250 kW transmitters are now operational. Two are used for the **RRR** domestic service on 9680 and 15130, while the **Voice of Indonesia** external service is on 9525. (Cushen—NZ/RNMN/ODXA World Radio Report/Clark—Canada) 15130 new 250 kW Marconi VOI transmitter observed here tentatively in 1200-1400 time span. (10-Mar/Bueschel—Germany)

IRAN 9685 kHz 1715-1727 s/off **VOIRI** Tehran heard with a new service in Swahili, comments on Iraq and on Cuba, mx, ID, news, schedule, address and IS at close. (9-Feb/Ostroverkh/DXW/Bueschel—Germany)

ITALY **AWR** via Italy:

0700-0800	Arabic	7230
0800-0900	German	7230
0900-1000	Arabic	7230
1000-1100	Italian	7230
1100-1200	German	7230
1200-1300	French	7230
1300-1400	Italian	7230
1400-1500	Arabic	7230

(BBCM)

R. Studio X noted around 2200 and 0630 on 4752 kHz, apparently on 24hrs. Probably an intentional harmonic (like the one on 6012 kHz). Checked 1584, but couldn't get the fundamental (2-Mar/Elbe/DSW-CI)

Catholic station **Radio Speranza** may be reactive by Easter on 6231 kHz. (Magrone—Italy)

JAPAN **Radio Japan** latest sked:

0000-0030	Japanese	17845 11910 11850 11665 9560
0000-0100	Japanese	6180UK 6155UK
0100-0200	English	17845 17810 11910 11890S 11885 11860K 11840 11790 5960C
0200-0230	Bengali	11890S
0200-0300	Japanese	17810 15230 11910 11885 11860K 11840 11790 5960C
0230-0300	Hindi	11890S
0255-0300	Persian	7190 7180G
0300-0330	Urdu	11890S
0300-0400	English	17810 15230 11840 11790
0300-0400	Japanese	11895F 11885 9660F 9515G
0300-0400	Korean	11910 11725
0345-0400	Swahili	7190 6135A
0400-0430	Arabic	11790G
0400-0500	Chinese	11910 11725
0400-0500	Japanese	17820S 17810 11885 11840 7230UK 6110C 5960UK
0400-0500	Russian	11760 11715
0430-0530	Chinese	15120 11815
0430-0530	Russian	11785G
0500-0530	English	15230 11895F 11885
0500-0600	English	17810 11920K 11740K 11725 7230UK 6110C
0530-0545	Swedish	11785G 11760
0530-0600	Spanish	15230 11895F 11885 9660F
0545-0600	Italian	11785G 11760
0600-0630	Arabic	17820S
0600-0630	German	11785G 11760
0600-0700	English	17810 11850 11725

0600-0700 Japanese 21610 15230 11920K
11885 11860 11740K
7230UK 5975UK

0630-0700 French 17820S

0630-0700 Spanish 11785G

0700-0800 English 21610 17815A 17810
15165G 11920K 11850
11740K 11725 7230UK

0745-0845 Russian 6165 6145

0800-0900 Japanese 21610 17815A 17810
15190 15165G 15135A
11920K 11850 11740K
9750 9685 9610 6070F

0900-0930 Portuguese 9685 6070F

0900-0930 Thai 11740K

0900-1000 English 15190 11850 9610

0900-1400 Japanese 11815 9750

0915-1015 Indonesian 21610 17810

0930-1000 French 17815A 15120A 9600UK

0930-1000 Spanish 9685 6070F

0930-1000 Vietnamese 11740K

1000-1100 Japanese 15190 11850 11730G 9610
9530F 6120C

1000-1100 Russian 11710UK

1030-1130 Indonesian 11875

1030-1130 Korean 6190

1100-1115 Swedish 17780G

1100-1130 German 11710UK 9600UK

1100-1200 English 15350 9610 6120C

1115-1130 Italian 17780G

1130-1200 Bengali 11895S

1130-1200 Malay 11875

1130-1230 Chinese 6190

1200-1230 Hindi 11895S

1200-1230 Thai 11875

1200-1300 Japanese 15350 9610 7125

1230-1300 Burmese 11875

1230-1300 Urdu 11895S

1300-1330 Vietnamese 11875

1300-1400 Japanese 21490A 15400A 11895S
11705C 9535

1300-1400 Russian 9610 7125

1330-1430 Chinese 11875

1345-1415 Burmese 11885

1400-1500 English 11915 11895S 11705C
9610 9535

1400-1500 Korean 9750 7125

1500-1600 Chinese 9750 9610 7125

1500-1600 English 15355G 11930 11915 9535

1600-1700 Japanese 21700G 11930 11880S
9580 9535 6035

1700-1800 English 11930 11880S 9580 9535
6035

1800-1900 Japanese 11930 11880S 9580 9535
7140 6035

1900-2000 English 9580 9535 7140 6035
6035K

2000-2100 Japanese 11850 9535 7210UK 6035K

2000-2400 Japanese 11910 11665

2100-2110 English 11685 9570

2100-2200 English 11850 9560 9535 6035K

2110-2150 Chinese 11685 9570

2150-2210 Malay 11685 9570

2200-2300 Japanese 11850 9685F 9560 9535
6165UK 6050UK

2210-2230 Thai 11685 9570

2230-2250 Burmese 11685 9570

2250-2310 Vietnamese 11685 9570

2300-2400 English 11850 9560 9535 5965UK

2310-2355 Indonesian 11685 9570

2355-2400 English 11685 9570
(BBCM)

Several low power NHK Home Service relays recently noted in USB mode, as on Feb 10 & 14 at 1205-1300 s/off. Those heard were: 3259 *Kasuga*, relaying Fukuoka 1, with lcl ID and TS before s/off; 3375.5 *Osaka-II* with talk and drama; 3607.5 *Shobu-Kuki* (Tokyo) w/lcl ID @1255 and TS before s/off. (Roland Schulze/Philippines via DSWCI DX-Window #3)

KOREA—NORTH 3960 *Korean Central Broadcasting Station*, Kanggye, s/on 2000 with locally produced programming; *Hyesan* nominally 3920 drifting down to 3912 s/on 2000 with regional programming; 3985 *Chongjin* (listed 3980) opening at 2000 with own/regional px; 3970 *Wonsan* with local px 1730-1800, then commences relay of Pyongyang Broadcasting Station px 2000 (parallel 6250 3250 3320) (16-Mar/Padula—Australia)

A lengthy punchup error at R. *Pyongyang* resulted in Japanese programs from 0900-1050, 1100-1250 and 1300-1450 ending up on 6100 instead of announced 6070. Back to normal next day. (Ashimori—Japan)

KOREA—SOUTH *Radio Korea International*, Seoul announced the following reduced English schedule from March 31st:

0200-0300 11725 11810 15575

0800-0900 7550 13670

1200-1300 7285

1600-1700 5975 9515 9870

1900-2000 5975 7275

2000-2030 via Skelton, but no freq given!
(?3970, 5965, 7250?)

2100-2200 6480 15575
(10-Mar/RKI/Bueschel—Germany)

LAOS 6130 *Lao National Radio* finally hrd first time this season, fair at 1240 tune-in. (24-Feb/Clark) 6975.7 *Luang Prabang* (p) with good carrier level at 1235; seemingly off-air at 1250 recheck. (24-Feb/Clark)

LIBYA R. *Jamahiriyyah* seems to be reactivating lots of frequencies of late. Some include 6155 7120 7245 9655 9705 11770 11815 15235 15415 kHz. (2-Mar/Bueschel/DSWCI)

MAURITIUS S. Sunasse, chief technical officer at the *Mauritius Broadcasting Corporation*, has expressed his "hope" to resume shortwave broadcasts per this schedule: 0200-1300 on 9710 and 1300-0200 on 4855 kHz. No specific dates were mentioned. (23-Mar/HCBX DX Partyline/BBCM)

MEXICO Following suggestions made by its monitors, *Radio Mexico Internacional* has announced the following schedule:

0300-0500	English	5985 (Mo-Sa)
0400-0500	English	5985 (Su)
1200-1400	Spanish	9705
1400-1600	English	9705
1800-1900	Spanish	5985 9705
1900-2100	English	5985 9705
2100-2300	Spanish	5985 9705
2300-0300	Spanish	5985 Mo-Sa
2300-0400	Spanish	5985 Su

[Ed. note: actual frequencies look more like 5984.78 and 9704.96]

English programs are as follows:

1400-1430	Antena Radio Summary (Mo-Fr)
	Poetic Space (Sa) Mail Bag (Su)
1430-1500	music (daily)
1500-1530	Poetic Space (Mo) Mail Bag (Tu) Tour Through Mexico (We/Fr) Creators of Mexican Art (Th/Su) OAS (Sa)
1900-1930	Antena Radio Summary (Mo-Fr) Tour Through Mexico (Sa) Poetic Space (Su)
1930-2000	music
2000-2030	Tour Through Mexico (Mo/We) Creators of Mexican Art (Tu/Sa) Mail Bag (Th) Poetic Space (Fr) OAS (Su)
2030-2100	music
0300-0330	Antena Radio Summary (Mo-Sa)
0330-0400	music (Mo-Sa)
0400-0430	Poetic Space (Mo) Mail Bag (Tu/Su) Tour Through Mexico (We/Fr) Creators of Mexican Art (Th) OAS (Sa)

Antennas are "trylon omni BVR." (George Poppin—CA)

NEW ZEALAND On 25 March, *ZLXA* moved from 7290 to 5960 kHz. Sked now:

2030-1200	Monday-	1602 3935
	Friday	
2030-1700	Saturdays	1602 3935 5960
0600-0900	Sundays	1602 3935

(Little—NZ/ZLXA/Ratzer—Austria/Bueschel—Germany)

NICARAGUA A newspaper published by the Nicaraguan opposition Sandinist National Liberation Front has reported that moves are under way to transfer the US government's broadcasting operations for Cuba—*Radio and TV Marti*—from the USA

to Nicaragua. The move is said to have the backing of the US Central Intelligence Agency (CIA) and Nicaraguan presidential candidate Arnoldo Aleman. (BBCM)

NIGERIA *Radio Plateau*, Jos, tentatively heard Feb 25th at 0440-0530 on 5965. Normally Cuba dominates the channel but it was weaker than usual to 0501 s/off. Presumed Plateau was much weaker by 0525. (Alexander/Sellers) [See my UNID in last month's LN—ed.]

OMAN 9540 kHz 0700-0705, *Radio Oman* on new frequency in Arabic, chimes, Anthem, ID and news. (21-Feb/Ostoverkh/DXW/Bueschel—Germany)

On 15 March, *BBC* signed an agreement with the Omani government for a new transmitter site to serve the Middle East, Indian sub-continent and central Asia. The site, at Al-Ashkharah overlooking the Arabian Sea on the Omani mainland, will replace the transmitters on Masirah island off the Omani coast which will be closed in 2001. The equipment at Masirah is obsolete and will be decommissioned and the site made safe. World Service has a lease on the new site initially for 10 years. The relay station will comprise four shortwave transmitters of 300 kW and two mediumwave transmitters of 600 kW. It will broadcast World Service programs in at least nine languages: English, Arabic, Hindi, Urdu, Bengali, Persian, Pashto, Indonesian and Russian. (BBCM)

PAPUA NEW GUINEA *Radio Northern Solomons* on 3325 seems to be closing at 1200, not extended to 1300 has previously stated [last month's LN]. This is a new 10 kW transmitter operating from Rabaul, even though studios are at Buka. Local pgm runs to 1100, followed by relay of NBC Port Moresby to s/off (Cushen—NZ/RNMN/OZDX/ODXA World Radio Report/Clark—Canada)

Radio Central, Port Moresby, is now being heard with a much stronger signal on 3290 kHz to closing at 1200. This seems to be a new, higher power transmitter. (Cushen—NZ/RNMN/OZDX/ODXA World Radio Report/Clark—Canada)

PERU

- 4182.33 *LV de Sayapullo* 1048-1100 fade w/campo music and M anc ID's/TC between songs. Good modulation and steady signal. Get it now as it won't last long. Tnx McVicar tip. (21-Mar/Valko/Cumbre)
- 4593.6 *Estacion X*, Yurimaguas noted reactivated on 8 Feb at 1107 w/pgm "Informativo Expresion del pueblo para el pueblo." Station uses the slogan "La doble Frecuencia." (10-Mar/Klemetz/Dateline Bogota)

4738.1v **Radio Soledad**, heard 5 March on this new frequency. Good audio. (10-Mar/Klemetz/Dateline Bogota)

7143 **Radio Altura** noted 9 March at 2340; said they were operating from new studios at Antonio Raymondi 312 or 302. (10-Mar/Klemetz/Dateline Bogota)

ROMANIA Home Service from Bucharest, which should be using 17720 kHz, is heard wandering around v17385-17440 kHz at 0900, and grossly distorted in AM but a nice copy in FM! They have at least one faulty txer—this might be it—which “explodes” onto bands, when used and can block up to 20 kHz + each side with “noise”. Try 9570 kHz at 1500, sometimes 15105 kHz at 0900 too. (7-Mar/Green—UK)

SAUDI ARABIA 6019.2 kHz **BSKSA** Riyadh. Nx in brief 2030, ID 2034. Listed as 2nd Pgm, getting RN etc. on 6020 kHz. (23-Feb/Seager—Australia/ARDXC/Bueschel—Germany)

SEYCHELLES **FEBA** M96 final broadcast schedule:

0108-0156	Tamil	6140
0156-0228	Telugu	7345
0213-0230	Sindhi	9785
0213-0230	Urdu	9805 Su-Th/Sa
0213-0245	Urdu	9805 Fr
0230-0245	Baluchi	9785 Fr/Sa
0230-0245	Hindko	9785 Mo
0230-0245	Punjabi	9805 Su-We/Sa
0230-0245	Pushto	11695
0230-0245	Siraiki	9785 We/Th
0245-0300	Dari	11695
0300-0330	Farsi	9805 11695
0312-0400	Swahili	9820 Su-Fr
0312-0415	Swahili	9820 Sa
0345-0417	Arabic	11695
0357-0415	Portuguese	9420 Th
0357-0430	Portuguese	9420 Su-We,Fr/Sa
0427-0500	Dari	15555 Fr
0500-0531	Farsi	15555 Fr
0912-0930	French	15430
0930-0945	Malagasy	15430 Sa/Su
0957-1058	Tagalog	15550 Fr
1057-1130	Arabic	15550
1142-1200	Tsangla	15445 Sa
1157-1205	Creole	11675
1205-1220	French	11675
1205-1220	Tibetan	15445
1230-1245	Nepali	15445
1245-1300	Mundari	15445 Su-We, Fr/Sa
1245-1300	Nagpuria	15445 Th
1254-1326	Malayalam	11670
1257-1330	Tamil	9810
1300-1315	Bhili	15445 Fr/Sa
1300-1315	Kui	15445 Su/Tu
1300-1315	Oriya	15445 Mo/We/Th
1315-1330	Bhojpuri	15445
1326-1343	Gujarati	11670

1330-1345	Chattisgarhi	15445
1330-1400	Sinhala	9810
1343-1400	Punjabi	11670
1345-1400	Hindi	15445
1358-1413	Urdu	11670
1400-1443	Urdu	9810
1412-1430	Bangla	7270 Fr
1412-1445	Bangla	7270 Su-Th/Sa
1413-1458	Hindi	11670
1443-1458	Hindko	9810 Fr/Sa
1457-1515	Badaga	7270 Su/Mo
1457-1515	Konkani	7270 Tu/We
1457-1515	Tulu	7270 Th/Fr
1457-1530	Kannada	7270 Sa
1458-1515	English	11870 Tu-Th
1458-1530	English	11870 Fr-Mo
1458-1600	English	9810 Mo-Sa
1530-1547	Yao	9795
1558-1630	Amharic	9865 Fr-Su
1558-1630	Guragena	9865 Mo
1607-1625	Dari	7345
1611-1658	Swahili	9810
1625-1658	Malagasy	6140
1628-1700	Amharic	9865
1658-1730	Somali	9810 11745
1700-1747	Arabic	9440 Mo-Sa
1700-1802	Arabic	9440 Su
1800-1833	Farsi	9455
1831-1848	French	9500 We
1831-1903	French	9500 Su-Tu, Th-Sa
1832-1848	Azeri	9455 Fr-Mo

(Direct)

SINGAPORE **Radio Singapore International:**

1100-1400	Chinese	6120
1100-1400	English	6015
1100-1400	Malay	6135

(BBCM)

Radio Japan is now using BBC's Singapore facility for two broadcasts to Oceania: 0500-0900 on 11920, and 1900-2100 on 6035 kHz. (BBCM)

SLOVAKIA **AWR** relay sked:

0000-0100	Punjabi	9465
0100-0200	Hindi	9465
0200-0300	English	11610
0300-0330	Swahili	9465
0300-0400	Urdu	11610
0330-0400	English	9465
0400-0430	English	11600
0400-0500	Bulgarian	5905
0400-0500	Persian	11610
0430-0500	Swahili	11600
0500-0530	French	11600
0500-0600	English	7215
0500-0700	Arabic	11610
0530-0600	English	11600
0600-0630	English	13715
0600-0700	English	5905

0630-0700	French	13715
0700-0800	German	5940
0730-0800	French	15620
0800-0830	Czech	5940
0800-0900	Arabic	15620
0830-0900	Czech	5940 Su
1300-1330	Czech	5940 Su
1300-1400	Dari	15620 Su
1300-1400	Hungarian	5905
1330-1400	Czech	5940 Mo-Sa
1400-1500	German	5940
1400-1500	Punjabi	15620
1400-1500	Romanian	5905
1500-1600	Hindi	15620
1500-1600	Italian	5905
1600-1630	Swahili	15620
1600-1700	Bulgarian	5905
1600-1700	English	13590
1630-1730	English	15620
1700-1800	Urdu	13590
1730-1800	Swahili	15620
1800-1830	Persian	13590
1800-2000	Arabic	11600 9465
2000-2030	French	9455
2000-2100	German	6055
2030-2100	French	11610
2030-2130	English	9455
2100-2200	Arabic	11610
2100-2200	English	6055
2130-2200	French	9455
2200-2300	English	9455
2300-2400	Portuguese	7275

(BBCM)

SOUTH AFRICA *Radio France Internationale* (RFI) now relayed from Meyerton site, program in French to east and central Africa from 0300-0400 on 7135 kHz. (09-Mar/Hauser WOR/BBCM) There are still 34 antennas on the 'external site' at Meyerton. Of the four 100 kW transmitters on the 'domestic site,' one is used 24h for *Afrikaans Stereo* and *Radio 2000*, another 24h for *Radio Oranje*; other two used for external broadcasts to Mozambique or broadcasts to Zimbabwe and Zambia. With advent of satellites, there is some doubt as to how long Afrikaans Stereo will continue on short wave. Also, Radio Oranje is one of the SABC's stations which is destined to be sold off, and it will depend on the new owners whether or not this service will continue on short wave. Additional four ABB 100 kW transmitters are currently being installed on the 'domestic' site to accommodate clients wishing to reach such targets as Mozambique, Zambia and Zimbabwe. (Miller/Otto—RSA/ODXA World Radio Report/Clark—Canada)

SPAIN *REE* Madrid in German, 1730-1800 on Mondays only, now on 6125 kHz (x9620). (23-Mar/Widera/Bueschel—Germany)

SWEDEN SR Stockholm in English from March 31st:

0030	6065
0130	7290
0230	7290
0330	7115 (7155?)
1130	11650 15240
1330	11650 15240
1230	13740 15240

(21-Mar/Hauser/WOR/Bueschel—Germany)

THAILAND *Or Sor* (t) 6149.8, 1140-1202*, heard w/Thai talk by M&W, 1200 presumed ID and a short piece of the National Anthem before closing down. Strong splatter from RCI on 6150. (2-Mar/Schulze/Philippines/DSWCI)

UNITED KINGDOM Transmitter exchange has *WYFR* now relayed from Skelton on 9805 kHz at 1800-1900. (09-Mar/Dave Kenny/BBCMS/Hankinson/Cumbre)

USA A number of oddball VOA leases expired on 28 March. This is partly for budget reasons and partly because VOA has new transmitters coming on-line in Sao Tome and Kuwait. Defunct operations include: VOA Mandarin via Yakutsk, Russia, 1400-1500 on 5945 kHz; VOA English to Africa via Plovdiv, Bulgaria, 0500-0530 on 9435; VOA English to Africa via Meyerton, South Africa, 1800-1900 Monday through Friday on 4875 and 1600-1700 Saturday and Sunday on 3970; VOA Hausa and French to Africa via Meyer-ton 0500-0630 on 9675. (BBCM)

Following the downing of two exile-group airplanes by Cuban jets, President Clinton ordered an expansion of *Radio Marti* efforts. The upshot is that 1180 Marathon doubled its power, from 50 to 100 kW, and shortwave use has been beefed up an additional 12 hours. Via VOA Delano, sked is 0700-1200 on 5890, 1200-1400 on 7405, and 1800-2300 on 13665. (BBCM) [see also NICARAGUA]. R. Havana Cuba blasted the move as an act of "open subversion" against Cuba, claiming that the broadcasts contravene international telecommunications regulations. (17-Mar/BBCM)

BBC World Service now relayed via *WYFR* on 9590 kHz at 1300-1600 daily. BBCWS is also relayed from Sackville on 9590 kHz at 2200-2400. In exchange *WYFR* is being relayed from BBC transmitters at Skelton [see UNITED KINGDOM]. (09-Mar/Dave Kenny/BBCMS/Hankinson/Cumbre)

KNLS sked, thru 24th September:

0800-0900	English	9615
0900-1000	Russian	9615
1000-1100	Chinese	9615
1100-1200	Russian	6150
1200-1300	Chinese	7365
1300-1400	English	7365

1400-1500	Chinese	9615
1500-1700	Chinese	7355
1700-1800	Russian	9615

(BBCM)

WGTC, Copper Hill, TN, sked: 1300-2100 on 9400 kHz, Fr/Sa/Su only. They hope to be 7 days a week in the near future. (Dave Frantz, CE)

WHRI—World Harvest Radio schedule:

0000-1000	7315
0300-1000	5760
0500-1600	9930
1000-1300	6040
1000-1500	6040
1300-1800	15105
1500-2200	13760
1600-1800	6120
1800-2000	13625
1800-2400	9495
2000-2200	11980
2200-0300	5745
2200-0500	17510

(15-Feb/WHRI)

WSHB Cypress Creek, from Mar 5th—May 6th:

0000-0200	7535
0200-0300	9430
0200-0400	5850
0300-0400	7535
0400-0500	9840
0400-1000	7535
0900-1200	7395
1000-1400	6095
1200-1400	9455
1600-1900	21640
1800-2000	15665
1900-2000	17510
2000-2200	13770
2100-2200	12010
2200-2400	7510 13770

(Monitor Radio/Bueschel—Germany)

WWCR's fourth transmitter now active, making an unprecedented US incursion into the 120 mb (2460 kHz) on 1 March. Planned Z96 sked for new sender is 1100-2300 on 9475 kHz and 2300-1100 on 7435 kHz, or possibly a new 2 MHz frequency. (17-Feb/Hauser WOR/BBCM) Ugh. [Check out 2390 kHz (bye-bye, Huayacocotla...) from 0200-0600.—ed.] *La Voz de Atitlan* and *Radio Huayacocotla* are not my most listened-to stations, but I find it disturbing that WWCR can just "land on the freq" when it has been in use by other stations for years now. Our friends in Nashville have now made their mark in the upper end of 60 meters, then 90, and now 120. What's next? Frankly, I am surprised other U.S. stations have not followed suit...there is nothing to stop anyone else from using these freqs, now that WWCR has broken into virgin territory. DX-ers...if you are "for" or "against" these frequency allotments, I urge

you to let the FCC know. Direct your correspondence to: Aileen A. Pisciotto, Planning and Negotiations Division, International Bureau, FCC, Washington, DC 20554. You may also be able to direct comments via email to: Fccinfo@fcc.gov. Or...if you wish to express your pro or con feelings to WWCR: WWCR@aol.com (18-Mar/Sharp/DX-Florida/DXW#4/Bueschel—Germany) I have sent my protest to FCC already, and Anker Petersen tells me that he has done the same, with a copy to George Jacobs. I find the WWCR use of tropical bands alarming, too. Horrifically strong signal here. (18-Mar/Krone—Denmark)

From 31 March, **WWCR** has agreed to swap its 9400 kHz frequency with **WGTC** in McCaysville, Georgia. **WGTC** will use 9400 kHz as its one and only frequency available 24 hours for all seasons, while **WWCR** will revert to 9475 kHz. (BBCM)

WVHA (World Voice of Historic Adventism), Greenbush, Maine, is currently the centre of controversy in the local community over its request for tax exempt status. Prophecy Countdown Inc. became the town's biggest taxpayer a year ago, when it purchased 75-acre shortwave station. Station claims weekly services held in its lobby qualify it as a house of worship, hence non-taxable. Town board disagrees, arguing that the dominant use of **WVHA** land and equipment is to operate a shortwave radio station, not to serve as a house of worship. (2-Mar/HCB/BBCM)

URUGUAY An update on the shortwave scene in Uruguay:

- 6010 **SODRE** (CXA5) SSB transmitter, inactive, used in the past for experimental transmissions.
- 6045 **R. Libertad Sport** (CXA61) irregularly relays CX18 890 kHz, Rivera City.
- 6075 **LV de Artigas** (CXA3) irregular transmissions on weekends.
- 6125 **SODRE** (CXA4) 200 watts, relays CX38 1290 kHz from 1000-0400.
- 6140 **R. Monte Carlo/Oriental** (CXA20) active from 1000-1630; one of three frequencies sharing the same transmitter.
- 9595 **R. Monte Carlo/Oriental** (CXA72) active here 2300-0300. 9620 **SODRE** (CXA6) inactive; transmitter dismantled.
- 9650 **Emisora Ciudad de Montevideo**, assigned here, hopes to activate upon governmental permission.
- 11735 **R. Oriental** (CXA7) scheduled 1630-2300, but goes later (sometimes to 0300) during sporting events.
- 11835 **R. El Espectador** (CXA19), inactive, transmitter dismantled w/no interest to repair it.
- 15230 **Emisora Ciudad de Montevideo**, the other frequency they've been assigned.

15275 **SODRE** (CXA14) inactive, transmitter under repair; relays CX26 1050 to the Uruguayan Antarctic Base. (22-Feb/Rovella—Uruguay/Barrera—Argentina/HCJB/Cumbre)

VENEZUELA Radio Amazonas, Puerto Ayacucho, noted since 23-Feb on 4939.5 kHz. Signoff varies, once 0309, another 0411. (Honzik, Rausch, Elbe, Berg et al/Cumbre, NU et al). This is the old **R. Continental** transmitter. (White/Cumbre)

Radio Occidente, Tovar, 9750, active again 9 March. Noted 1606 with 1-minute feature *Los libros de la Biblia*. Canned ID still includes the long inactive 3225 kHz. Strong but distorted. Does not seem to be on at night. (10-Mar/Klemetz/Dateline Bogota)

VIETNAM

4665v (varying wildly between 4759.2 and 4778.1) is a **Hanoi domestic service** transmitter, carrying the HS1 pgm, //5924 and 10059. (Foster—NZ/OZDX/ODXA World Radio Report/Clark—Canada)

4739.5 Regional outlet thought to be **Son La B/S** based on 1159 s/on as on Feb 17th is noted, although no ID heard. (Foster—NZ/OZDX/ODXA World Radio Report/Clark—Canada)

5597.2v **Lao Cai B/S** (presumed), 1215–1245, a consistent het almost daily but no audio detected. Very unstable; hear several days from Feb 16 with frequency varying between 5596.2 and 5597.8. (24-Feb/Clark)

6391.3v **Yen Bai B/S** (presumed) at 1215 with very solid carrier but not quite audio. Drifting up to 6391.5 within 15 mins. (24-Feb/Clark)

6974.7 **Lao Cai 1** (presumed) drifted to this new fq at 1357–1400 from 6735 kHz. Heard with native mx and closing announcement by female, National Anthem and Choir and close down. (13-Mar/Schulze—Philippines/DXW/Bueschel—Germany)

7153.8 **Hanoi Domestic service 2**, unlisted outlet, noted here for a couple of weeks as early as 1045. Running noticeably behind//4960 kHz, suggesting different site. Continued to past 1200. (20-Feb/Seager—Australia/ARDXC/Cumbre/Bueschel—Germany)

7281.5 **Hanoi Foreign Service**, Lao px 1240, // 9727.8 kHz, nominally 7285 kHz, but now escaping Seoul, which is dominant on that frequency. (11-Feb/Seager—Australia/ARDXC/Cumbre/Bueschel—Germany)

Network-2 from Hanoi observed on 12035 kHz with Vietnamese news at 0500. **Network-1** noted on v10060 kHz, also at 0500 with news analysis, in Vietnamese. (16-Feb/Padula—Australia/ARDXC/Cumbre/Bueschel—Germany)

ZIMBABWE ZBC sked:

0300–0530	3396*
0300–0545	3306**
0530–1700	5975*
0545–1600	6045**
1600–2200	3306**
1700–2200	4828*


* Radio 1, in English/Ndebele/Shona

** Radio 2, in Ndebele/Shona (BBCM)

BEEN DOWN SO LONG WE FORGOT WHERE UP

WAS It may be hard to believe, but solar activity has edged even lower. There have been no visible sunspots since the beginning of the month, and the sunspot number was zero every day last week. Solar flux was at or below 70 each day also. We should expect more periods of no sunspots as the current cycle bottoms out over the next year. (16-Feb/ARRL)

AND THEY TASTE VAGUELY LIKE PROVO-

LONE The government of the Solomon Islands has released a set of four postage stamps commemorating inventor Guillermo Marconi and 100 Years of Radio Communication. The \$1.05 stamp shows Marconi demonstrating his invention, c. 1896. A \$1.20 stamp depicts a typical maritime installation of the Marconi International Marine Communication Company, ca1900. A \$1.35 stamp depicts the first aeronautical radio systems supplied by Marconi to commercial aircraft. A \$1.45 stamp shows Marconi in Japan during his 1933–34 world tour. The four stamps are available on a color first-day cover from Peter Taylor, G8BCG. [A \$2.00 stamp shows Marconi rolling over in his grave after hearing WWCR on 2390 kHz.—ed.] 

PLEASE NOTE:

There is no listing of new members in this month's Journal because as of this writing the envelope containing the list for publication is on its ninth day getting to Lansdale, PA from Levittown, PA, a distance of about forty miles. It probably will get there sometime, but if you're a new member and your name hasn't yet appeared in the Journal, please send a note to NASWA, 45 Wildflower Road, Levittown, PA 19057 or e-mail to (naswal@aol.com).

Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

CompuServe: 75720,253

Internet: piradio@usa1.com

Winterfest Report

The 9th annual Winter SWL Fest was held on March 14-16th in Kulpsville, PA and I'm happy to say that I was among the participants for the first time. What a blast! Besides meeting many folks for the first time, I re-acquainted myself with people such as Dan Henderson and Gerry "birthday boy" Dexter whom I hadn't seen in over 20 years! George Zeller and Andy Yoder gave a very well attended "Pirate Year In Review" on Friday afternoon which I'll summarize below. There were over 4 pirates going at the Fest including an All Radio Azteca Station, KULP, WSWL and Radio Free Speech, and of course the VOICE OF PANCHO VILLA celebrated Gerry Dexter's birthday at midnight Saturday on both 6955/7415 kHz.

Pirate Year In Review

Some of the main topics centered upon the change in broadcast times. In the past, most pirates operated on weekend nights after dark, but because of the low MUFs these days, the bands die after sunset. Because of this, many pirates are being heard in the day time on both Saturday and Sunday. In the winter, signals can be heard up to 500 miles distant. A "kinder gentler FCC?" There were no known busts by the FCC/DOT of shortwave pirates during the past year. Does this mean the FCC is more understanding/tolerant of the hobby? The consensus was no, not really. The money is just not there to pursue pirates and it appears that unless someone files an interference complaint, that they are leaving them alone. George and Andy gave an overview of the most active pirates of the past year, frequencies used and maildrop info. One of the more interesting developments mentioned was the use of a small lightweight battery operated pirate

transmitter made by Radio Animal of WKND. These transmitters weigh about 2 lbs and are no larger than a half a case of cigarettes. They put out about 10 watts of a well modulated AM signal. These units will allow pirates to operate on foot, go into the woods and set up shop away from any roads. Anyway, it was a nice presentation by both Yoder and Zeller, whose 1996 edition of the PIRATE RADIO DIRECTORY should be available from Tiare Publications by the time you read this.

Vox Shuts Box!

Just about a year ago, a new station appeared in the pirate bands, calling itself VOX AMERICA. They operated in the AM mode and announced a new maildrop in Schenectady, NY (Box 3913) for reception reports to be sent to. The unusual thing about this station was that they required \$3.00 for a QSL, not the usual 3 stamps, or \$1.00. This was justified saying the Box was extra secure, mail was not opened, etc before being forwarded on. Well, reporter Jill Dybka of Tenn. sent a reminder to VOX AMERICA in February and guess what? Yep, the Box had been closed and her postcard was returned. No QSLs have yet been received from this station. Jill wrote a note saying "hmm, I guess I got gypped". Well, Jill, we hope not, but the situation doesn't look promising. Rumor has it that Vox America was run by the same folks who gave us Hope Radio a few years ago. I never got my QSL from them either!

Station Profile—Partial India Radio

I'm pleased to report that my plea for station profiles has brought in two more. One from Partial India Radio and Radio Free Speech. This month we'll hear from PIR. "PIR is a

new free radio station which began operations on 3 February 1996. Our station came about through a series of long standing conversations between Sanjay and Harold Krishna about DXing and other pirate/shortwave matters. Also, the creation of this station was influenced by the need for a general external radio service representing only PARTS of India, but not all of India! By the way, The P.I.R. staff view the DX/SWL hobby and All India Radio most positively. So naturally we hope to continue to satirize AIR and our favorite hobby. Above all, our philosophy is to ensure a fun time for our listeners by having "on air" fun. We want to thank all those who responded (17 states and 2 Canadian provinces) for your encouragement. The next show will include a mailbag segment and several surprises. In keeping with the "partial" spirit of P.I.R., we will usually issue only partial data QSLs, but will strive to QSL 100%. As this is a hobby, we do not want to emulate the occasionally stingy QSL policies of some pirates. Through all these efforts we hope to support free radio. To receive our partial data verie, contact us via the Stoneham, MA maildrop (Box 146) 02180. Be sure to include 3 USA first class units of postage (no Indian mint stamps!) unless you want to be reincarnated as camel dung! All glories to Shri Lanka!"—Harold Krishna

Many thanks to Harold Krishna for the info. In next month's column, we'll have a station profile sent to us from Radio Free Speech, one of the more active stations this year.

Radio Pirana International—A South American Pirate

Recently, we received "Information Sheet #1-1996" from Jorge Garcia of Radio Pirana International. Here's what they have to say: "Greeting from South America. Radio Pirana International has now begun to normalize its activities after the move from Europe last

year. We think (we know!) that RPI will be heard in the future too. Maybe it will be a little more difficult for our European friends, but for North American listeners, it will probably be easier. We have already been able to catch several North American pirates operating on 6955 kHz, but haven't been able to ID them because of fading and lack of good clear IDs. We started our broadcasts from our new QTH here in South America on the 3rd of December 1995 at 0200-0240 utc on 6955 USB. This transmission was well heard in Buenos Aires over 1000 km away! In the last days of October, we set up two dipole antennas, one for 6955 kHz and the other for 11415 kHz. We will in the future be active around 6955 kHz and later, probably mid-April, also make tests to Europe on 13950 +/- 15 kHz. Another frequency we will use is 6925 kHz with our home made plate modulated crystal controlled AM transmitter we are constructing. The 11415 kHz outlet is also a possible frequency of RPI. The best time for reaching our region is from around 0030 UTC to around 0300 UTC for Europeans on the 48 and 41 meter bands. Also the 76 meter band could propagate as well, but power of at least 100 watts would be needed. In the next months, Radio Pirana International will be active in the 6955 kHz region from around 0200 UTC. If you do hear us, please send a reception report to either of the following mail drops: Box 109, Blue Ridge Summit, PA 17214 or Box 220342, D-42373 Wuppertal, Germany.

Pirate Bandscan

Most activity continues to center around 6955 kHz, but don't ignore 6940, 6950 and 7415 kHz! **Loggings Wanted.** Because of our expansion, we'll have more room for your logs.

Until next month, Happy Pirate DXing!

Chris



English Schedules

Tom Sundstrom

PO Box 2275

Vincentown, NJ 08088-2275

Fax 609-859-3226

Internet: trs@trsc.com

Prepared March 27.

From the FCC's World-Wide Web pages: "Daylight Savings Time Changes
HF Licensees and frequency managers should note that beginning with the Summer 1996 (Z-96) coordinated schedule there will be a change in the ending date of the schedule. The new date will be the last Sunday in October instead of the last Sunday in September as with previous schedules. This is the result of a decision by the HFCC coordination group to use the new European clock time change date as the new schedule date. Consequently, the Winter 1996 (W-96) schedule will start on the last Sunday in October as well. There is no change in the ending date of the Winter schedule."

Bulgaria: R Bulgaria has added two new 60 minute releases to the Far East: at 1130 to Japan on 13790 and at 1230 to Asia on 15620. (Andy Sennitt)

Croatia: HRT moved from 7370 to 7315, a disaster here in NAm. WHRI opens up on the latter frequency at 00 UT. I sent e-mail about the problem, which they acknowledged, but no resolution as we go to press.

Israel: Kol Israel's limited English language schedule is 04-0415 on

17545, 9435 and 7465; 14-1430 on 15615 and 12077; and 19-1930 on 15640, 15615, 11605, 9435 and 7465.

Japan: R Japan made a late change to the Z96 schedule for the Sri Lanka relay. At 17-19 to sAF, 11880 replaces 11930.

Netherlands: Radio Netherlands at 0030-0125 to eNAM adds 9845 from Bonaire, moving 6020 to a Flevo transmitter. 6165 via Bonaire remains in service.

USA: George Thurman posted a note into Internet's rec.radio.shortwave that WINB has again delayed its projected start date. The management appears to be looking for a new transmitter.



The 1996 Winter SWL Festival is history, but if you are on the World-Wide Web photographs have been posted on two sites: http://www.crosslink.net/~mfine/swl_fest.html and

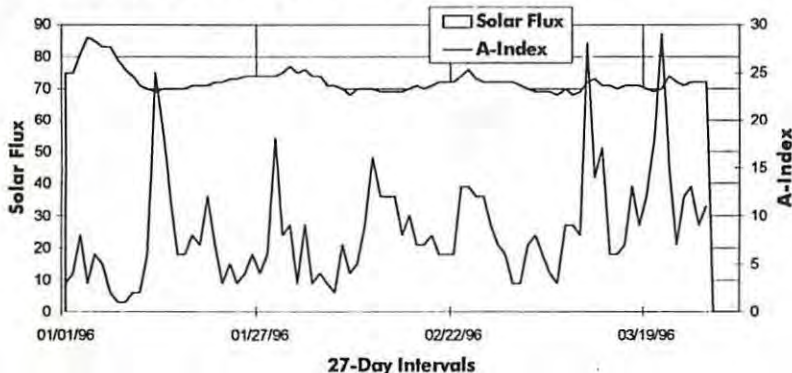
http://www.trsc.com/swl_fest.htm. Photos were taken by Harold Cones, Bob Brown and yours truly. Check out both sites to see all the photos.



Please note our new e-mail address and Web URL now that we have our own domain name.

SOLAR FLUX & A-INDEX: JAN-MAR '96

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



<http://www.trsc.com>



QSL Report

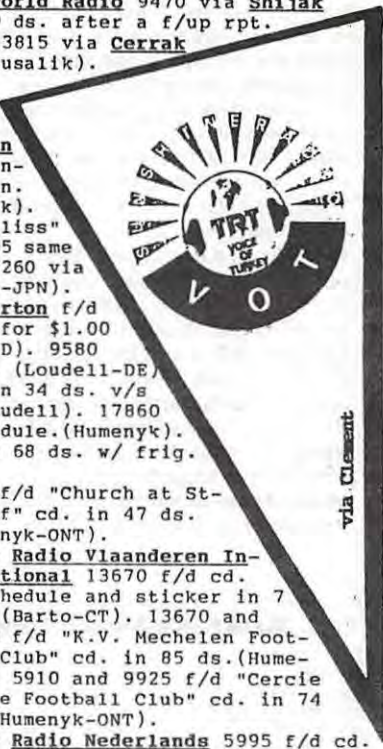
Sam Barto
47 Prospect Place
Bristol, CT 06010

Estonian Broadcasting Company via Pasquale



Greetings: I compiled this QSL Column a little different than previous ones. Hope you enjoy the illustrations and the fine submissions....Sam.

- * w/ site. v/s Joanne Olson. (Kusalik). 13815 via Cerrak f/d cd. in 39 ds. for \$1.00. w/ sked. (Kusalik).
- ANDAMAN ISLANDS:** All India Radio 4760 via Port Blair f/d cd. in 400 ds. for ms. and 1 IRC. (Rippel-VA).
- ARMENIA:** Araks Radio Agency / Radio Yerevan 9480 f/d cd. in 6 mo. w/ schedule and info. 1tr. for 2 IRCs. v/s Levon Ananikian. (Kusalik).
- ASIATIC RUSSIA:** Radio France International 12025 via Irkutsk f/d "Alliss" cd. w/ schedule in 1 mo. (Barto-CT). 7305 same cd. in 5 wks. (Barto). Radio Nederland 7260 via Petropavlovsk f/d cd. in 34 ds. (Hosoya-JPN).
- AUSTRALIA:** Radio Australia 5995 via Shepparton f/d cd. w/ brochure and schedule in 36 ds. for \$1.00 and 2 IRCs. v/s Danvita Gordon. (Jones-SD). 9580 f/d "Sunrise" cd. w/ schedule in 6 wks. (Loudell-DE). 6060 f/d cd. in Cantonese w/ calendar in 34 ds. v/s Nigel Holmes, Transmission Manager. (Loudell). 17860 f/d cd. in 127 ds. w/ calendar and schedule. (Humenyk).
- ABC Tennant Creek 2325 f/d "Map" cd. in 68 ds. w/ frigg. magnet and sticker. (Comeau-MA).
- AUSTRIA:** Radio Austria International 6155 f/d "Church at Steinhof" cd. in 47 ds. (Humenyk-ONT).



via Cleant

WE LOVE INTERVAL SIGNALS

Post Office Box 109, Blue Ridge Summit, Pennsylvania, 17214
via Chris Lobdell

Have you ever sit through an entire hour of Signals on WWCR?



- BELGIUM:** Radio Vlaanderen International 13670 f/d cd. w/ schedule and sticker in 7 wks. (Barto-CT). 13670 and 17690 f/d "K.V. Mechelen Football Club" cd. in 85 ds. (Humenyk). 5910 and 9925 f/d "Cercie Brugge Football Club" cd. in 74 ds. (Humenyk-ONT).
- BONAIRE:** Radio Nederlands 5995 f/d cd. w/ 3 calendars in 1 mo. for 2 IRCs and \$1.00. (Jones-SD).
- BOTSWANA:** VOA 9815 f/d "Relay" cd. in 3 wks. w/ schedule. (Barto-CT). 6035 f/d cd. in 5 wks. (Barto). 7340 f/d cd. in 1 mo. (Barto).
- BOUGANVILLE:** Radio Bouganville 3325 f/d ltr. in 1 mo. for \$1.00. v/s D.V. Kumaina, Station Manager. (Howard-CA). f/d personal ltr. w/ f/d prepared cd. in 45 ds. for a taped rpt. and ms. (Sgrulletta-NY).
- BRASIL:** Radio Gaucha 11915 n/d cd. in 38 ds. for a PT rpt. and \$1.00. (Brouillette-IL). Radio Anhanquera 4915 f/d ltr. w/ sticker in 5 1/2 yrs!

THIS WILL VERIFY YOUR RECEIPT OF WLS OF (WE LOVE INTERVAL SIGNALS)
DATE: July 25 1973 TIME: 0202 UTC FREQ: 7914 kHz
QSL # 292
73c and 84c in fee from Chief Verification Signer, Charles Polk

IT'S HERE: The new **Universal Radio Catalog** has hit the press! It is packed full of receivers, tuners, antennas and a myriad of other accessories. You can write them at 6830 Americana Pkwy., Reynoldsburg, OH 43068 or call 614-866-4267. Good hunting!.....Sam.

No f/up rpt. was involved! v/s Domingos Vicente Tinoco, Technical Manager. (Loudell).

BULGARIA: Radio Sofia 9700 f/d "Palace w/ Fountain" cd. w/ schedule in 36 ds. (Hoffman-CA). f/d cd. w/ sticker and 1tr. in 53 ds. (Horan-IL). f/d cd. in 3 wks. (Loudell).

CAMBODIA: National Radio of Cambodia 4910 f/d personal 1tr. in 92 ds. after a f/up rpt. (D'Angelo-PA).

CANADA: Radio Japan 5960 via **Sackville** f/d "Traditional Japanese New Years Dishes" cd. w/ schedule and sticker in 5 wks. (Loudell-DE). 6110

f/d "Autumn Scenery" cd. w/ sticker in 1 mo. v/s H. Kawamoto. (Hoffman-CA).

11705 f/d cd. w/ schedule in 34 ds. (Purdum). **Radio Korea International** 9650

f/d "Korean Culture" cd. w/ schedule in 29 ds. (Hoffman-CA). **Radio Austria International** 6015 f/d 1tr.

in 25 ds. (Hoffman). **CKZU** 6160 f/d "CBC Centre" cd. in 13 ds. v/s Dave Newbury (Hoffman). **CBC Northern Service** 9625 n/d form 1tr.

w/ schedule in 50 ds. (Purdum). **Radio Canada International** 13690 via **Sackville** f/d "50th Anniversary" cd. in 116 ds. (Humenyk). **CHU** 3330 p/d

cd. w/ 1tr. in 25 ds. for ms. (Jones-SD). (Childress-MT).

CHINA, PEOPLES REP. OF: China Radio International 9690 p/d cd. in 191 ds. **CLANDESTINE: Voice of the Mojahed** 6540 and 6250 f/d prepared cd. in 962

* ds. for \$1.00. This was after a f/up sent in 1993! v/s Mr. Majid Taleghani. Addr: Mojahedines du Peuple d'Iran, 17 rue des Gords, F-95430 Auvers-sur-oise, France. (D'Angelo-PA).

COLOMBIA: La Voz del Llano 6115.7 f/d prepared cd. w/ 1tr. in 126 ds. for a SP rpt., tape and \$1.00. (Klinck-NY). **Radio Nacional de Colombia** 4955 p/d cd. in 52 ds. for ms. (Mann-NE).

CONGO: Radio Congo * 4765 n/d form 1tr. in 64 ds. after a f/up rpt. in FR w/ SASE and \$2.00. v/s Albert Fayette Mikano, Directeur. (Myers-VA).

COSTA RICA: Radio for Peace International 7385 f/d cd. & sked. in 38 ds. (Purdum).

Thank you very much for your reception report of Skellon (U.K.) relay broadcast of Radio Japan. The information given is in accordance with our schedule. We hope you will continue to enjoy our programmes and send us your thoughts about them.

イギリス・スワドソン中継についての受け取りありがとうございました。1993年ラジオ日本の放送と合致しております。これからも番組についてのご感想をお寄せ下さい。

RADIO JAPAN
NHK TOKYO 150-01, JAPAN.
RECEIVED JUL 2 8 1993

Dear Mr. Anthony Scott Heis
We are pleased to confirm that the station you heard is Radio Japan. The details are as follows:
DATE: May 5, 1993
TIME: 07:02 ~ 07:47 (UTC)
FREQUENCY: 7330 & 6058 kHz
TRANSMITTER SITE: Skellon, U.K.
SERVICE: General in English

Thank you for contacting us and we look forward to hearing from you in the future.
We wish you very good reception conditions.



Parouk: 04 Mars 1993

M GRISIER
Nous avons le plaisir de vous annoncer que votre rapport d'écoute de R JAPAN le 1992 correspond effectivement à notre programme diffusé dans la tranche horaire indiquée, sincères remerciements et toutes nos excuses pour le retard de la réponse.

Méilleurs Salutations

La Station Régionale de l'ORT PAROUK
fournit aux leurs CHÉF + 1 sur les programmes
fondés et les émetteurs indiqués ci-après:

Lundi, Mardi	de 06 à 10h & de 18h à 21h: (220.834/936kHz) et 19.704 (17073kHz)
Jeudi, Vendredi	de 12h à 15h: (220.834/936kHz) et 41.712 (17100kHz)
Mercredi	de 06 à 10h et de 18h à 21h: (220.834/936kHz) et de 06 à 10h et de 18h à 21h: (220.834/936kHz) et de 12h à 15h: 41.724 (17100kHz)
Samedi	de 7h à 10h: (220.834/936kHz)
Dimanche	de 7h à 10h: 41.724 (17100kHz)
Langues	de 19h à 24h: 19.704 (17073kHz)
Utilisateurs:	Francis, Fern, Dredd, Bessano, Weans, Dismart, Verbus, Fullford.

via Klinck

ADVENTIST WORLD RADIO
1995 DX Contest - "AWR Wavescan"

QSL Certificate QSL

This certificate is presented to

MR. MASAO HOSODA

Position _____ Country JAPAN Score 55
in acknowledgment of your entry in the 1995 DX Contest
"Five Best QSLs"

Adventist World Radio verifies your reception report with the following data:-

Station KSDA - 2 Location GUAMI Frequency 4530 MHz
Date 3-6-1995 Power 100 KW Time 0853 UTC
Signature [Signature] DX EDITOR Certificate Number 103



ሬዲዮ ቶና
Radio Fana Q.S.L.
Tel 516777 P.O. Box 30702
Addis Ababa, Ethiopia

To: _____
"Your point of contact" - of Radio Fana's broadcasts on air
has been checked with the station log for the International and is daily
correct. with _____
General Manager

Radio Telefis Eireann 9605
via **Rampisham** f/d "Dublin"
cd. in 101 ds. v/s Bernie
Poep. (Humenyk-ONT). **BBC** 5875
f/d "Bush House" cd. in 2 mo.
for a SP rpt. v/s D. Valen-
zuela, Jefe. (Field-MI).

ETHIOPIA: Radio Fana 6210 f/d cd.
w/ schedule, business cd.,
personal ltr. in 5 wks. v/s
Mulugeta Gessese, General Man-
ager. The business cd. was
from Girma Lema, Head of Plan-
ning and Research Dept. (Barto)

EUROPEAN RUSSIA: Voice of the
* **Assyrians** 12075 via **Balashika**
f/d FR Radio Moscow cd. in 7
mo. after a RS rpt. and 2 IRC
v/s Marsha Azsanis. (Kusalik).

NOTES: Gene Purdum says that he is back in the hobby after a 15 year absence. Glad to hear from you...Sam. **Dario Monferini** has a duplicate "La Voz de La OEA" station pennant and would like to sell or trade it. You may contact him at Via Davanzati 8, I-20158 Milano, Italy...Sam

Voice of Vietnam 7250 f/d cd. w/ silk XMAS cd. in 10 wks.
FRANCE: Radio France International 9485, (Loudell-DE).
9790 and 11995 f/d "Alliss Tower" cd. in 123 ds.
w/ schedule. (Humenyk).



ሬዲዮ ቶና ንዑ !
Kun
Raadiyoo Faanaati

FRENCH GUIANA: RFI
13625 f/d cd. in
65 ds. (Dacus-ARK).
**Swiss Radio Inter-
national** 9905 via
Montsinery f/d cd. w/
schedule in 37 ds. (Pur-
dum). **RFO** 5055 p/d cd.
w/ stickers in 19 mo.
for a FR rpt. (Myers-VA).

GERMANY: Bayerischer Rundfunk

4779.8 p/d ltr. in 81
ds. for a SP rpt., ms.
and a taped rpt. (Klinik)
* **Radio Vlaanderen International** 7105 via **Julich** f/d cd. w/
site in 40 ds. (Rigas-IL).

GOA: All India Radio 7250 via **Panaji** ltr. w/ site in 4½ mo. for
* a taped rpt. and ms. v/s G.N. Shetti, Assistant Engineer. (Ra-
GREECE: Voice of Greece 6245 cd. in 25 ds. (McCarthy-GA). usch-NJ).
6260 f/d cd. w/ schedule in 21 ds. (Horan-IL).

GUAM: Adventist World Radio 7400 f/d cd. w/ schedule in 1 mo. w/
rpt. forms. (Field-MI). **KTWR** 9870 f/d cd. in 53 ds. (Hosoya-JPN).

GUATEMALA: Radio Coatan
4779.8 p/d ltr. in 81
ds. for a SP rpt., ms.
and a taped rpt. (Klinik)
INDIA: AIR Thiru'puram 5010
f/d cd. w/ site in 15 mo.
after 2 f/up rpts. v/s A.
S. Guin, Director. (Berg-MA).

ISRAEL: Reshet Bet 17545 f/d
cd. w/ schedule in 34 ds.
(Purdum). **Kol Israel** 7465
f/d cd. w/ schedule in 73
ds. (Humenyk-ONT).

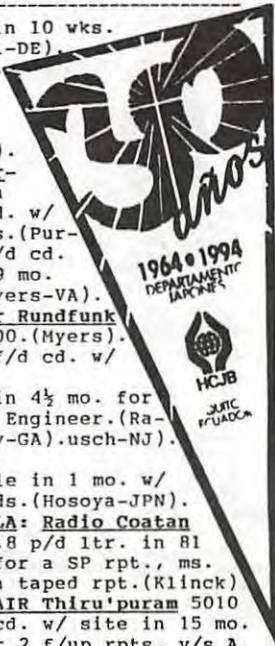
ITALY: RAI 11800 f/d cd. in
197 ds. for \$1.00. (Dacus).
JORDAN: Radio Jordan 11970 f/d
cd. in 39 ds. v/s Jawad Za-
da. (Childress-MT). f/d cd.
in 22 ds. for \$1.00. (Com-
eau-MA).

Q.S.L.

"New in Evening to
The Radio - Fana
OR

48 mb SW (6210 KHZ)
31mb SW (8335 KHZ)
&
1080 KHZ, MW

"Address: "Near Black Lion
Hospital, east of Chawalen
embassy
Addis Ababa, Ethiopia.



KENYA: KBC 4935 n/d ltr. in 59 ds. for \$1.00. v/s P. Omalla.(Comeau-MA).

KOREA, REP. OF: Radio Korea International 15575 via Kimie f/d "Taekyundo" cd. w/ newsltr. in 20 ds.(Humenyk). 6480 f/d "Sokkur Grotto" cd. w/ schedule in 197 ds.(Humenyk).

KUWAIT: Radio Kuwait 11990 f/d folder w/ sked. and stickers in 63 ds.(Horan-IL). f/d cd. in 83 ds. w/ sticker and sked.(Humenyk-ONT).



MOLUCCAS: RRI Ternate 3345 f/d cd. in 2 1/2 mo. after a f/up rpt. for \$1.00. v/s Abdul Latief Kamarudin.(Paszkiewicz).

MONGOLIA: Radio Ulan Bator 7530 f/d "Native Women" cd. w/ personal ltr. in 1 1/2 mo. for a taped rpt. and \$2.00. v/s D. Batbayar, Mail Editor. (Rausch). 7530 and 12000 2 f/d cds. in 56 ds. for a taped rpt. and \$1.00. The cards were beautiful. (Comeau-MA).

QSL VERIFICATION

To

This is to confirm your Reception Report of RRI Ternate on 89.68 mtr or 3345 KHz on Nov. 12 ... from 13.31 ... to 13.41 ... Eastern Indonesia Time. We hope you always listen regularly and send again your report next time. We will answer you as soon as possible. Thank you and greeting from Archipelago

RADIO REPUBLIK INDONESIA
STASION TERNATE
Jalan Sultan Hassan Ternate
Mabuku Utara
Mabuku, Indonesia
RRI
TERNATE
11990
ASBY LATIF KAMARUDIN
Station Manager

di f/d "2 Santas on Motorcycle" cd. in 49 ds. for \$1.00. This is a Swedish pirate.(Comeau-MA).

NICARAGUA: Radio Miskit 5770 f/d ltr. in 6 wks. for a SP rpt. and \$1.00. v/s Evaristo Mercado Perez, Director.(Kohlbrenner). f/d ltr. in 48 ds. for a SP rpt.(Rippel).

NORWAY: Radio Norway International 11840 f/d cd. w/ schedule and sticker in 36 ds. v/s Ingvild Dahl.(Clement-GA). 15605 via Kvitsoy f/d "Tray ds.(Humenyk). Radio Denmark 9485 p/d cd. w/ sked. in 15 ds. for \$1.00.(Horan-IL). 7295 p/d cd. in 15 ds. for \$1.00. v/s L. Sansoe.(Childress). 11840 f/d "Globe" cd. in 1 mo. v/s Birte Litrup.(Pasquale-PA). 7465 n/d cd. w/ personal ltr. in 9 ds.(Lemke-ALB).

via Clement

POLSKIE RADIO

5

via Pasquale

MEXICO: XERMX Radio Mexico International 9705 n/d ltr. w/ pgm. guide and 20 peso bill. for \$1.00. v/s Juan Mort.(Myers-VA). Radio Mil 6010 f/d prepared cd. in 27 ds. for a SP rpt. tape and ms. v/s Zoila Quintanar Flores. Stickers were rcvd.(Sgrulletta). p/d personal ltr. w/ stickers in 5 wks.(Lobdell-MA).

NEW ZEALAND: Radio New Zealand International 11900 p/d cd. w/

PLEASE NOTE: If you sent in reports and they did not appear, you need not send them in again. They will be printed in the following months QSL Column...Sam.

sticker and schedule in 22 ds. for 2 IRCs and \$1.00.(Jones-SD) 15115 p/d "Patriotic Kiwi" cd. w/ sticker in 40 ds. for 3 IRCs.(Hoffman-CA)

* Radio City
7445 via
KIWI Ra-



ESTI RAADIO

PHILIPPINES: VOA 9760 via Tin-ang f/d cd. in 41 ds. w/ calendar, sked. and key holder.(Hosoya-JPN).

POLAND: Polskie Radio 6095 f/d ltr. in 28 ds. w/ schedule. for 2 IRCs. v/s Rafat Kiepu-szewski.(Brouillette).

WGTC

via Clement

With Glory To God

via D'Accio

Radio Station WGTC

P. O. Box 1131

Copperhill, TN 37317 U.S.A.

NOTE: Please be sure to write your name and State abbreviation behind each of your individual contributions to the QSL Column. It would also help if you could leave a space between each item.

PORTUGAL: Radio Canada International 15325 via Sines f/d cd. w/ pennant in 15 ds.

RUSSIA: Radio Moscow cd. w/o (Kusalik). site in 51 ds. (McCarthy-GA). (Dybka-TN).

SAIPAN: KHBI 13840 f/d cd. in 2 mo. for \$1.00.

SIERRA LEONE: SLBS f/d cd. in 70 ds. (Rippel).

SLOVAKIA: Radio Slovakia International 5930 via Vel'ke Kostolany and 7300 and 9440 via Rimavska Sobota f/d cd. in 56 ds. (Humenyk). Adventist World Radio 11610 via Rimavska Sobota f/d "Church World Conference" cd. w/ personal ltr., sked. and stamps in 159 ds. (Humenyk-ONT).

SOUTH AFRICA: Trans World Radio 11730 via Meyerton f/d cd. w/ schedule in 2 mo. (Field-MI). Channel Africa 15240 cd. in 58 ds. (McCarthy). f/d cd. w/ schedule and sticker in 27 ds. (Horan). same in 35 ds. for 2 IRCs &

\$1.00. v/s Kathy Otto. (Jones). 9585 f/d "Fire Pit" cd. in 135 ds. (Humenyk). 9520 f/d "Antenna" cd. w/ sticker in 1 mo. (Hoffman-CA). 9530 f/d "African Map" cd. in 32 ds. w/ schedule. (Hosoya). SENTECH 5 QSLs rcvd. for various rpts. v/s Kathy is very accommodating in sending cds. (Berg-MA). Radio Oranje 3230 f/d cd. in 6 wks. (Ondrechen-MA).

SPAIN: China Radio International 9690 via Noblejas



Ondes décimétriques
BP 518 - 92542 MONTROUGE

via Hosoya Masao

TÉLÉDIFFUSION DE FRANCE confirme
votre rapport d'écoute et vous remercie

fréquence (kHz)	17560
bande (m)	16 m
date	
UTC	17/06/95
station	14800-15800

MOYABI (GABON)

Programme : Radio France internationale
BP 9516 PARIS

NOTES: Denis Pasquale says that he has been checking out the Internet and copying a few station logo's that have been seen. He reports that a friend of his who works at WBVP recently received a taped report of their station from a DXer in Norway. 'Very good! ...Sam. Don Dacus says that he recently received magazines and a beautiful calendar from RAI International. It was one of those \$12.00 jobs. I know, I received one myself along with several beautiful Italian magazines which I immediately sent to my Italian step-father...Sam.

f/d cd. w/ sked. and stickers in 126 ds. (Horan). Radio Exterior de Espana 9540 f/d

"Sevilla Expo"

cd. w/ sticker in 4 mo. (Loudell-DE).

SRI LANKA: SLBC 11930 p/d cd. v/s Harold Fernando, Director. (Humenyk).

SUMATRA: RRI Pekanbaru 5984.3 p/d ltr. in 7 mo. for an IN rpt. and \$1.00 via registered mail. (Lare).

SWAZILAND: Trans World Radio 9500 f/d cd. in 55 ds. for \$1.00. v/s L. Stauropoulou (Owsley-CA).

SWEDEN: Radio Sweden International 11650 f/d "Gotland" cd. in 3 wks. (Loudell-DE). 9835 f/d cd. in 13 ds. (Hosoya). 6065, 11650 & 15240 f/d "Solvppgangen" cd. w/ sked. in 80 ds. (Humenyk).

* Starshine Radio

via K3WJ



QSL

via Loudell

Teracom Svensk Rundradio 6200 p/d certificate in 3 wks. v/s Magnus Nilsson, HF Frequency Planning Dept. (Lobdell-MA)

THAILAND: Radio Thailand

9655 f/d cd. in 51 ds. for \$1.00. (Childress-MT).

UKRAINE: Radio Ukraine 11780

f/d cd. in 90 ds. (Hoffman).

USA: KTBN 7510 f/d cd. w/ sked. in 21 ds. for ms. (Purdum). W5HB 9370

f/d cd. in 23 ds. for 2 ms. (McCarthy)



ISRAEL
BROADCASTING
AUTHORITY

via Clement



Radio Japan

cd. in 6 mo. (Horan). cd. in 152 ds. for \$1.00 and ms. (Myers). 11760 cd, in 191 ds. (D'Angelo). **KAIJ** 5810 f/d "Paul Revere" cd. in 15 wks. for SASE (Ondrechen). f/d cd. in 2 wks. for ms. (Paszkiwicz). f/d cd. in 10 mo. (Field-MI). **WVHA** 5850 f/d cd. w/ sked. in 46 ds. v/s Saul Eves. (Humenyk). same in 1 mo. (Field). **WRNO** 15420 "Jazz Club" cd. in 32 ds. for SASE. (Jones). **HEWN** 11580 f/d cd. w/ sked. in 15

5850 f/d cd. in 55 ds. (Horan). 7535 f/d cd. w/ sked. in 50 ds. for ms. (Purdum). **WGTC** 9475 f/d cd. in 6 wks. * v/s David Prantz, Chief Engineer. (Field-MI). f/d cd. in 68 ds. for ms. (Mann) f/d cd. in 4 mo. for ms. (Ondrechen). f/d cd. in 84 ds. for ms. (Childress). in 68 ds. for ms. (Purdum). 7355 cd. in 10 ds. after a f/up ltr. (Berg). f/d cd. in 22 ds. for ms. (Paszkiwicz). f/d cd. in 116 ds. for \$1.00. (Pasquale). in 138 ds. (McCarthy). same in 162 ds. for 2 ms. (Buer-FL).

NOTES: Nina Allen in Cambridge, MA pointed out that the QSL from last month listed as **World Party Network** should of been listed as **Parody**. You're quite correct... Sam. Thank you - at least I know someone is reading this stuff. Hi! To Masao Hosoya: Thanks for the CRI papercut. I haven't seen that one... Sam. Jill Dybka says she hasn't had too much luck QSLing lately. There's no answer - just keep trying... Sam. I have no secret QSLing the Russian outlets except that you have to keep up your membership dues in the RGB Youth Movement Party.



ds. for ms. (Purdum). 5825 same w/ sticker and ltr. in 28 ds. (Horan).

WJCR 7490 f/d cd. in 18 ds. for ms. (Purdum).

VOA Greenville RADIO SLOVAKIA INTERNATIONAL 9575 and 17725

f/d cd. w/ sticker in 100 ds. (Humenyk). 7405 same in 1 mo. (Purdum).

WWCR 12160 f/d cd. in 25 ds. for 2 ms. (McCarthy). **Radio Telefis Fire-**

ann 12160 via **WWCR** p/d ltr. in 21 ds. for \$1.00. v/s Wesley Boyd.

(Myers). same in 15 ds. for \$1.00. (Buer). **Voice of Free China** 5950

via **WYFR** f/d "Butterfly" cd. in 5 wks. (Loudell). p/d "Flower & Bee"

cd. w/ ltr. in 39 ds. v/s Mallon Meyer. (Hoffman). **WHRI** 5760 f/d cd.

in 2 mo. w/ sked. (Hoffman-CA).

USA (Pirates): We'll start off w/ last months. **Radio Titanic International**

6957 via **Outlaw Radio** f/d cd. w/ sticker in 2 mo. (Dybka). 6955 same

via **WREC** f/d cd. in 4 mo. for an ACE rpt. (Wolfish-ONT). **Voice of the**

Rock 6955 f/d cd. in 3 wks. (Wolfish) **Voice of the Daleks** 6956 f/d cd. in

3 wks. (Wolfish). 6249.4 f/d cd. in 33 ds. for \$1.00. This via **NAPRS**.

(Ondrechen). **Voice of the Dead** 6955 n/d cd. in 3 wks. (Wolfish). **East**

Coast Music Radio 6958 f/d cd. in 5 wks. (Wolfish). **Caribbean Sound Sys-**

RADIO FUSION RADIO

To: Chris Lobbell
Date: 2/19/95
Time: 1655-1705 UTC
Frequency: 7418.2 kHz

QSL#: 20
Money Oh Down!

WJCR World Wide



tem 7415 f/d "Cruiselinier" cd. in 11 mo. (Wolfish). 7450 f/d cd. in 11 mo. (Kusalik). **Key West Radio** 6955 f/d cd. in 4 1/2 mo. for ACE log. (Wolfish). **Pirate Radio Boston** 6955 f/d "Beavis & Butthead" cd. in 17 ds. for 3 ms. Stoneham addr. (Comeau-MA). same in 1 mo. (Wolfish). **NAPRS** 7415 f/d cd. in 2 mo. (Wolfish). **Radio Fusion Radio** 6956 f/d "Clown" sheet in 33 ds. v/s Homey Da Clown. (Wolfish). **Altered States**

Radio 6955 f/d "X-Files" sheet in 3 wks. (Wolfish). **Atomic Frog Radio** 6969 f/d sheet in 1 mo. (Wolfish). **Black Rider Radio** 6957 f/d cd. in 5 wks. (Wolfish). **Witch City Radio** 6955 f/d orange cds. in 3 wks. (Wolfish). **WKND** 6955 f/d "Broadcasting Dog" sheet in 6 mo. (Wolfish). **KICK** 6955 f/d cd. in 7 mo. (Wolfish). **KNBS** 6955 f/d cd. in 3 wks. (Wolfish). **WLIS** 6955 6 different QSL sheets (!) for a log in bulletins. (Lobdell). **KTLA**

Post Card

AIR MAIL -

Mr. Ron Howard
4002 Rio Road, #28
Carmel, CA 93923 USA

10 10 10 10 10 10 10 10 10 10

NOTES: **Terry Jones** says his local P.O. was slow in getting IRCs. I would suggest that you try Bill Plum's QSL Service and use ms. Its probably cheaper.

The winter is still with us here in the Dakota's. Guess what - we just went over the 100 inch mark breaking the all time record with more to come...Sam. **John Sgrulletta** comments about me on 3225. You have to be deaf not to hear this one in the am... Sam.

To: **Ron Howard**

Confirming Ur Reception Report

On 594 kHz (R-1) 693 kHz (R-2)
 3607 kHz 8175 kHz 9550 kHz
At 20:17 - 21:25 (ST) UTC
On Feb January 1993

Ant M/W Vertical (R1 245m, R2 215m)
S/W Folded Dipole X2
OTH 3047-1 Sanga Shoubu-Machi SAITAMA
NHK Shoubu-Kuki Radio Station

Radio Difusoras
LIBERTAD

1985

1992

7º Aniversario
C.M. Santa Fe

ADO. TRANSPORTE SANTA FE

6955 f/d cd. in 1 mo. (Field-MI). f/d sheet in 5 wks. for \$1.00. (Ondrechen). **KOLD** 6955 f/d sheet in 21 ds. (Kusalik).

VANUATU: **Radio Vanuatu** 7260 f/d "Gong" cd. w/ personal ltr. in 1 yr. for a taped rpt. and 2 IRCs (Klinck). 3945 "Tam-Tam" cd. in 2 mo. after a f/up rpt. for a taped rpt. and ms. v/s Allan Kalfabun, Sales and marketing. (Sgrulletta-NY).

VATICAN: **Radio Vatican** 6185 f/d cd. in 70 ds. (Humenyk). 11625 f/d "Antennas" cd. in 2 mo. for \$1.00. (Loudell-DE).

WEST IRIAN: **RRI Sorong** ltr. in 77 ds. for an IN rpt. and ms. v/s Sallimo 6 Hamid. (Rippel).

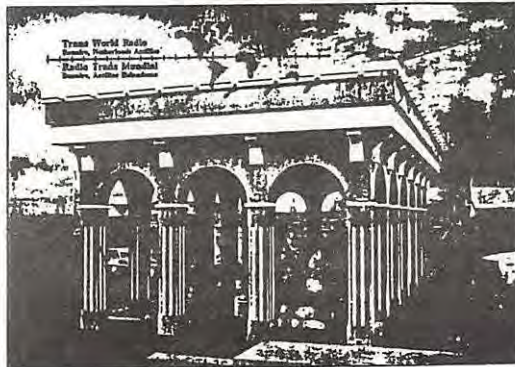
ZAMBIA: **Christian Voice** 4965 p/d ltr. in 59 ds. for \$1.00. Reply was mailed from Zimbabwe. (Comeau-MA). p/d ltr. in 9 wks. for \$1.00. (Kohl-brenner-PA). p/d form ltr. in 6 wks. (Field-MI).

ZIMBABWE: **ZBC** 4828 p/d "Map" cd. in 160 ds. v/s Charles Warikandwa. (Myers-VA). **ZBC Radio 3** 3396 f/d cd. in 1 1/2 mo. for \$1.00. (Lare).

Another QSL Column has come to an end. I have really enjoyed doing this particular column. Everything has been retouched a bit. A few QSLs are leftover for next month.

See you then... Sam.

Sam



Contributors' Page

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

LOGGINGS CONTRIBUTORS-NEXT DEADLINE IS THE 10TH OF THE MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	NRD-535D 100' LW
Jerry BERG, Lexington, MA	R8 R390A HQ180A 150' LW
Erik BUENEMAN, Hazelwood, MO	ATS-803A homebrew antenna
Peter CARD, Middletown, RI	Icom R-71A
Jim CLAR, Rochester, NY	R8 FRG-8800 Eavesdropper dipole
David CLARK, Thornhill, Ontario	R8 Collins 51J-4 50' LW ANC-4 Kiwa Loop
Ross COMEAU, Andover, MA	R8 325' LW
Bruce CONTI, Nashua, NH	Lowe Europa 30m slopers 30m LW
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 70' LW
Rich A. D'ANGELO, Wyomissing, PA	R8 HF150 AD Sloper 100' LW
Jill DYBKA, Nashville, TN	DX440 100' LW
Ralph FAMULARO, Osaka, JAPAN	ICF-SW55 ATS-803A R5000 LW
Bill FLYNN, Cave Junction, OR	R8 SW55 DX Ultra
Marlin FIELD, Hillsdale, MI	NRD-535D
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S
Gary FROEMMING, Glendale, AZ	R5000 50' dipole 60' vertical
Richard HANKISON, Prairie Village, KS	R8A Eavesdropper
Bob HILL, Natick, MA	Sony 2010 w/ KIWA filters, Sony AN-1
Ron HOWARD, Carmel, CA	NRD-535D vertical Dymak
Hans JOHNSON, Englewood, CO	R8 2-500' LW's
Jack JONES, Jackson, MS	
Marv KAMINSKY, Flanders, NJ	NRD-535D random wire
Fred KOHLBRENNER, Philadelphia, PA	R8 NRD-525 ANC-4 FL-3 AD Sloper
Marie LAMB, Brewertown, NY	HF150 DX392 MFJ16010 60m LW Loop
Richard LEMKE, St. Albert, ALBERTA	NRD-535 LW's
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
Daniel McCARATHY, Calhoun, GA	
William McGUIRE, Cheverly, MD	DX-380
Mark MOHRMANN, Coventry, VT	Sony ICF-2010 200/300' LW's
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Benton OWSLEY, Ventura, CA	NRD-525 folded dipole
Sheryl PASZKIEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Denis PASQUALE, New Brighton, PA	DX440 10m LW
Ed RAUSCH, Cedar Grove, NJ	R5000 Sony 2010 MFJ959 Eavesdropper
Chuck RIPPEL, Cornland, VA	R8A Lowe Europa R390A LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Allan ROSEWARNE, Rolling Meadows, IL	FRG-8800 Eavesdropper
Mike RYAN, Bangkok, THAILAND	
Giovanni SERRA, Rome, Italy	NRD-525 AD Sloper
Trevor STANLEY, Flagstaff, AZ	Drake SW-8 Eavesdropper
Wallace TREIBEL, Seattle, WA	
David WILLIAMS, Astoria, OR	

Some of Ralph Famularo's logs were made while travelling in Thailand and Vietnam.

Another Winterfest has come and gone and the usual great time was had. It was nice meeting new folks and seeing old friends. If you haven't yet made it to beautiful downtown Kulpville make plans now to attend the tenth annual Winterfest next March.

73's till next month

Tropical Band Loggings

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

- 2310 AUSTRALIA ABC Alice Springs 2/22 1145 C&W, IDs, TCs (Clar-NY)
2/23 1220-1234 ABC ID, pop mx //2325, poor (D'Ang-PA)
- 2479.9h DOM REP R Revelacion 2/9 1102 NA, ID, addr, freq, insp msg
rel pgm, apparent successor to LV de la Libertad (Berg-MA)
- 2485 AUSTRALIA VL8K 2/23 1223 EG pops, ABC Online promo (D'Ang-PA)
- 2850 NORTH KOREA KCBS Pyongyang 2/22 2350 speech //3960.7 (John-CO)
- 3000h CUBA R Rebelde 3/2 0540 salsa, good //5025 (Cont-NH)
- 3100h UNID 0900-1100 all Feb SP rel pgm, hymns, ads, RCI Radio IDs
-5 TCs, harmonic of 620 or 1550 (Mohr-VT)
- 3200h USA WKEN 2/11 0938 C&W satellite pgm, lcl ID, Cool 1600 (Mohr-
VT) I thot I hrd this on 1600 one nite but lost before ID--sp
- 3222 TOGO R Kara 2/23 2240-2304* FR C&W, 2359 ID, nx, NA (D'Ang-PA)
3/13 0527 NA, FR ID, mx followed by Amen (Field-MI)
- 3225 COSTA RICA REE Relay 2/14 1109 nx, ID (Mohr-VT) 2/29, 3/2
0110-0402* tlk, IDs, IS ex-5970, weekdays only? (Alex-PA)
2/16 0245-0337 nx of Americas, good (McCa-GA) 3/2 0200 exc
pop mx, ID, SP nx //6055 (Cont-NH) 3/12+ 1058 mx, exc(Fiel-MI)
- 3249.8 HONDURAS R Luz y Vida 2/6 0128 LA mx, tlk, IDs, TC (Clar-NY)
3/2 0245 full ID, fanfare, SP Christian pgm (Cont-NH)
- 3255 LESOTHO BBC Relay 3/2 0300 People in Politics (Cont-NH)
- 3280 CHINA Vo Fujiang 2/24 1128 CH clas mx, ID, drama (Mohr-VT)
- 3280 ECUADOR LV del Napo 2/4 1048 IDs, comunicados, anmts (Clar-NY)
2/29 0954 SP tlk, HC mx, fair (Newb-NE)
- 3289.9 ECUADOR R Centro 2/4 1115 sev IDs, slogans, mx, p-f (Clar-NY)
- 3289.9 NAMIBIA NBC 2/18 0340-0430+ Europops, C&W, good (Alex-PA)
- 3295.3t KALIMANTAN RRI Samarinda 2/9 1415 tlk, mx, weak (Famu-JAPAN)
- 3306 ZIMBABWE ZBC R2 3/2 0340 hilife, EG Star Supermkt ad (Cont-NH)
- 3315 ADM ISL R Manus 2/5 0935 EG/PD natl nx, chime, p-f (Famu-JAPAN)
- 3316 SIERRA LEONE SLBS 2/22 2247 EG/lang pol interviews, ads &
promos, ADC Airline ad, ID (Mohr-VT)
- 3324.8 GUATEMALA R Maya 1/28 1137 SP/lang IDs, greetings, mx (Clar-NY)
2/2 1030 SP/lang IDs, ballads, rel pgm, good (Robi-TN)
- 3329.6t PERU Ondas del Huallaga 2/24 1110 SP tlk, huaynos, poor (D'Ang)
- 3340 PERU R Altura 3/11 1058 mx, ID, good (Fiel-MI)
- 3356 BOTSWANA RB 2/23 0303-0346 with good signal (McCa-GA)
- 3374.9 BRAZIL RN 2/23 2228 Paul Simon, Braz pops (Kohl-PA)
- 3375 ANGOLA RN 2/7 0025 pops, R&B, ID & nx 0100 //4950 (Clar-NY)
- 3375 NEW GUINEA R West Highlands 3/9 0900 nx //3235, 3385 (Howa-CA)
- 3375.3 JAPAN NHK Osaka 2/17 1238 EG tidal wave warn, nx (Famu-JAPAN)
- 3380 GUATEMALA R Chortis 1/28 1159 ID, freq, TC, drama (Clar-NY)
- 3380 MALAWI MBC 2/18 *0248 EG crowing, IS/ID, NA, chorus (Alex-PA)
2/18 2124 prob new xmtr, booming in w/rock & DJ Mighty Dog
even stronger than Ghana-3366 (Hill-MA)
- 3395 NEW GUINEA R East Highlands 2/5 0919 nx, ID, Notre Dame fight
song, exotic mx, bird call (Famu-JAPAN)
- 3395.1 SUMATRA RRI Tanjungkarang 2/24 2159 SCI, IN tlk (Hill-MA)
- 3396 ZIMBABWE Radio 3 2/14 0257 tone, anthem //3306 (Flyn-OR) 1/28
0309 tlk, IDs, TC, Afr pops, chorus, p-f (Clar-NY) 3/2 0325
lite pops, EG/lang anmts, ID, TC not //3306 (Cont-NH)
- 3397.8 PERU R Int'l 2/7 0934 audible btwn ute xmsn, mx, ID (Mohr-VT)
- 3440h DOM REP R Clarin 2/11 1057 LA pops, ID, QTH, weak (Mohr-VT)
- 3600h CUBA R Rebelde 3/2 1029 in SP //5025 (Mohr-VT)
- 3607.5 JAPAN NHK 3/1 1132 JP pgm //3970.1, 6005, not 3373.5 (Howa-CA)
- 3810 ECUADOR HD2IOA 2/28 1030 time stn in SP (Fiel-MI)
- 3904.8 SUMATRA RRI Banda Aceh 2/18 2208 IN tlk, pops, low audio (Hill)
- 3905 IRIAN JAYA RRI Merauke 3/4 1155 SCI under R New Ire. (Clar-ON)
2/24 1130 IN ID, nx, mx pgm, ham QRM (Froe-AZ) 2/2 1910
Koran, prayers, preaching (Famu-JAPAN)
- 3930 SOUTH KOREA R Korea 2/24 1349 fanfare, EG nx, tnx Franks? on

DXing with Cumbre (John-CO) 2/9 1354 EG nx, wx, IDs (Famu-JP)
 3955 SOUTH AFRICA Channel Afr Chinyanja 0330-0430 IS, ID (Flynn-OR)
 3960.8 NORTH KOREA KCBS Kanggye 2/18 2217 orch mx //2850 (Hill-MA)
 3970p ENGLAND R Korea Relay 2/22 2230* tlk & ham QRM (Fiel-MI)
 3976 KALIMANTAN RRI Pontianek 2/23 1158 tlk/mx, SCI, nx (D'Ang-PA)
 4005 VATICAN VR 2/11 0330-0345+ AL tlk, ID, IS into Slovenia (Alex-PA)
 4010 KYRGYZSTAN KR 2/21 1840 RS opera 1900* w/NA (Ryan-THAILAND)
 4010 RUSSIA Vo Russia Vlad? 2/20 1500 IS, CH tlk 1600* (Ryan-THAI)
 4035 TIBET Xizang PBS 2/12 1415 TB monolog //5020 4820 5950 (Ryan-TH)
 4419 PERU R Frec Lider 2/25 1105 SP huaynos, ID Bambamarca R (D'Ang)
 4485 RUSSIA R Rossii Ufa? 2/19 1945 RS tlk, instl, ID, nx (Ryan-TH)
 4505.1 PERU R Horizonte 3/1 1045-1105+ anmts, folk mx, ads (Alex-PA)
 4535.1t LAOS Oudomxay Reg 2/28 1130 lang Asian mx (Froe-AZ)
 4549.4 BOLIVIA R Tropico 3/2 0030-0103* tlk, ID, rel mx (Alex-PA)
 4557.1 CLAND Vo Natl Salvation 2/25 1100 KR ID, jamming (Froe-AZ)
 4600 BOLIVIA R Perla del Acre 2/23 1020 vcsl, ID, TC (D'Ang-PA)
 3/1 0130 ID, lcl ads, tlk & mx (Froe-AZ)
 4606.4 IRIAN JAYA RRI Serui 3/9 1150 tlk, C&W, fixed xmtr? (Clar-ON)
 3/3 1104 some familiar songs, ID (Fiel-MI)
 4649 BOLIVIA R Santa Ana 3/1 0300 ID, nx, off 0312 (Froe-AZ)
 4682.1 BOLIVIA R Paititi 2/24 1000 ID, reg mx, poor (Froe-AZ)
 4725 MYANMAR R Myanmar 2/24 1144 Bamar version of Puppy Love (D'Ang)
 4753.4v SULAWESI RRI U-P 3/4 1150 mx, nx, off air 3/9-10 (Clar-ON)
 2/27 1500 IN mx, tlk, ID 1508 (Froe-AZ)
 4755 BRAZIL R Educ Rural 2/21 0426 rapid tlk, ID & TC, p (Owsl-CA)
 2/19 0200 ad string "onda media d'oeste" & ID, good (Cont-NH)
 3/1 0248 ID, addr, mx pgm (Froe-AZ)
 4766.1 SUMATRA RRI Medan 2/25 1400 IN mx, USB QRM (Froe-AZ)
 4770 ECUADOR R Centinela del Sur 2/22 1119 pops, IDs, ads (Clar-NY)
 4770 NIGERIA R Nigeria 2/1 *2130-2200* Hausa? recit, vcsl (Robi-TN)
 4775 INDIA AIR Imphal 2/22 1356 SC mx, lcl ID (John-CO) 3/9 1326
 EG/lang World Cup Cricket India vs Pak (Howa-CA)
 4775 PERU R Tarma tent 2/14 0346 SP chorus, not vy readable (Flynn-OR)
 3/2 1100 buenos dias, mx folklorica, rooster crows (Robi-TN)
 3/1 0230 ID, Andean mx & tlk (Froe-AZ)
 4775 SHAZILAND TWR 2/21 0421 GM chorus, sermon, fair (Owsl-CA)
 4779.6 GUATEMALA R Cultural Coatan 2/10 1240 song, rel msg (Newb-NE)
 3/1 0200 ID, tlk, Indian mx (Froe-AZ)
 4779.8 ECUADOR R Oriental 1/28 1115 saludos, HC mx, IDs, vg (Clar-NY)
 3/2 1021 HC mx, TCs sev IDs, good (Jone-MS)
 4783 MALI RTM 2/24 2240 FR ID, soca, reggae & Afr pops (Cont-NH)
 4785 BRAZIL R Caiari 2/24 0256 Braz Pres speech, IDs, good (D'Ang)
 4790 INDIA AIR site? 2/28 1339 in lang, 50 kW presumed (Howa-CA)
 4795 UKRAINE RU 2/19 2100 piano, GM pgm //4860, 5905 6010 (Cont-NH)
 4800 ECUADOR R Popular 2/29 0400 ID, QTH, open carrier (Froe-AZ)
 4800 LESOTHO LBS 2/19 2130 Afr mx, chorus, anthem, good (Cont-NH)
 4805 BRAZIL R Amazonas 2/23 2320 pops/ads, ID 2323 (Pasq-PA)
 4810 ARMENIA R Yerevan 2/2 2000 lang IS, ID nx //4990 7480 (Ryan-TH)
 4814.3 PAKISTAN RP 2/17 2115 Urdu tlk, Muslim pgm 2155* (Famu-JAPAN)
 4815 CHINA CRI 2/27 1530 CH tlk, trad mx pgm (Froe-AZ)
 4819.8 HONDURAS HRVC 2/10 1248 anmts, rel mx, exc (Newb-NE) 2/28 0200
 ID, rel pgm & Bible reading (Froe-AZ)
 4820 RUSSIA R Rossii 2/7 1900 nx, tlk, piano solos (Ryan-THAILAND)
 4824.4 PERU LV de la Selva 2/20 1057 folk, pops, TC, IDs (Clar-NY)
 4828 ZIMBABWE ZBC 2/10 2050 EG/lang hilife, tlk, ID (Famu-JAPAN)
 4830 UNID Fuzhou China? 1600 TP, soft CH tlk 1700* (Will-OR)
 4835 GUATEMALA R Tezulutlan 2/15 1206 marimba/tlk, promos (Newb-NE)
 4845 BOLIVIA R Fides 2/26 1400 ID, Top 40 mx pgm (Froe-AZ)
 4850t INDIA AIR Kohima 2/8 1545 EG nx, chime, ID, cmtry (Will-OR)
 4850 UZBEKISTAN R Tashkent 2/24 *2359 UZ IS, ID, anmts, mx (D'Ang)
 4850.3 ECUADOR R Luz y Vida tent 1/30 0108 ballads, ID, echo, tape prob
 p-f w/QRM (Clar-NY) 3/6 1030 quick ID, weak (Mohr-VT)
 4860 ECUADOR R Federacion 2/28 0145 ID, Andean flutes (Froe-AZ)
 4860 UKRAINE RU 2/11 0020 chorus, GM tlk, IS //7240, 7205 etc (Alex)
 4865 BRAZIL R Sentinela 2/29 0330 ID & mx (Froe-AZ)
 4865 COLOMBIA LV del Cinaruco 2/24 0132 Arquela beer ad (John-CO)
 3/8 1056 ads, NA, ID (Fiel-MI)
 4866.5 IRIAN JAYA RRI Wamena 3/4 1159 ID, SCI, nx, exc open (Clar-ON)
 4874.6 IRIAN JAYA RRI Sorong missing 1200-1300 3/4 & 9-10 (Clar-ON)
 4875 BRAZIL R Roraima 2/10 0233 pops, ads, ID 0245, f (Owsl-CA)
 2/28 0130 ID, nx, EZL mx, fair (Froe-AZ)

4880 INDIA AIR Lucknow 2/6 *1215 IS, ID, SC mx u/Bangla. (Ryan-THAI)
 4883 CHINA CRI Hohhot 2/27 1300 IS RS tlks, CH mx, 1400 MG (Ryan)
 2/26 1500 RS ID, tlk & mx (Froe-AZ)
 4885 BRAZIL R Clube do Para 2/10 0212 mx, ID 0229 ment Belem (Owsl)
 2/23 0235 Coke ads, soccer scores, good (Pasq-PA) 2/29 0320
 tlk with mx (Froe-AZ)
 4885nf BRAZIL Rdf Acreana 3/3 0859 ID, freqs, insp msg, good (Cont-NH)
 4890 PAPUA NBC 3/2 1140 EG Elvis, reggae, 1200 ID, 1202* (Hank-KS)
 2/20 1155 C&W mx, ID, freqs, TC fair (Clar-NY) 2/5 0940 PD
 tlk abt natl policies (Newb-NE)
 4895 INDIA AIR Kurseong 2/20 1128 IS, no sign of Arauca (Berg-MA)
 4895 MONGOLIA R Ulan Bator 0915 MG tlk, chorus, drifting (Famu-JP)
 4895.8 PAKISTAN PBC 2/18 2056 Koran, into Urdu //4790.6 (Hill-MA)
 2/4 1700-1810* lang nx, pol tlk, SC mx, IS, IDs (Ryan-THAI)
 4902 SHRI LANKA SLBC 2/29 1540 Sindhi tlk, SC mx (Famu-VIETNAM)
 4904.8 PERU R La Oroya 3/1 1047-1105+ anmts, ment Oroya, mx (Alex-PA)
 2/1 *2330-0030* tlk, orch mx, chirping, ads, good (Robi-TN)
 4905.1 PERU R La Oroya 2/29 0300 SP, ID, short nx & mx (Froe-AZ)
 4905.4 COLOMBIA Ecos del Orinoco 2/15 0440 romantic mx, fair (Flyn-OR)
 2/7 0228 Genesis mx, SP pops, fair (Pasq-PA)
 4910 AUSTRALIA VL8T 2/24 *2130 orch, nx, tlk //4835 (Hill-MA)
 4914.4 PERU R Cora 2/29 0247 salsa, ID (Froe-AZ)
 4915 GHANA GBC 1 2/17 2225 mx, ID (Cost-NJ)
 4920 ECUADOR R Quito 2/25 1117 nx, pol tlk, TC, ID, ads (Clar-NY)
 3/8 0604 lcl ads, ID, desde Quito, techno mx & tlk (Buen-MO)
 2/7 0300 SP ID, nx abt Dominican airline crash (Pasq-PA)
 1/16 0215 instl mx, pops, SP M ID 0222 (Kami-NJ) 2/29 0230
 ID, nx, ads (Froe-AZ)
 4920 INDIA AIR Madras 3/10 1230 TP, Hindi nx, EG nx, fair (Clar-ON)
 4923.5 BOLIVIA R San Miguel 2/10 2309 tlk, ID, kids tlk, flutes (Hill)
 4924.5 BOLIVIA R San Miguel 2/22 1035 TCs, IDs, ment towns (Clar-NY)
 4925 SUMATRA RRI Jambi 2/7 2151 Koran, IN tlk, choppy (Hill-MA)
 4930 HONDURAS R Int'l 2/16 1255 sung promos, ID, good (Newb-NE)
 2/28 0120 ID, phone calls to contest winner (Froe-AZ)
 4935 BRAZIL R Capixaba 2/27 0845 ads, TC, ID, 0900 ID (Mohr-VT) 2/29
 0218 ID, sambas, tlk (Froe-AZ)
 4935 PERU R Tropical 2/10 1105 IDs, slogans, TCs, nx, f-g (Clar-NY)
 2/14 1031 SP & EG pops, rock, 1053 ID, nx (Mohr-VT)
 4939.5 VENEZUELA R Amazonas, Puerto Ayacucho 2/29 0055-0406 LA mx,
 disco, IDs, NA & state anthem, anmt, ID, tnx TLC (Alex-PA)
 3/2 0845 carrier to 1007 ID, freq, NA, mx (Berg-MA) 2/27 0948
 SP pops, ID, freq, ads/jingles, tnx Valko (Mohr-VT) 3/2 1026
 tlk, TC, ads, IDs, f-g (Jone-MS) 3/5 1015 mx, ID pres (Fiel-MI)
 2/23 0205-0410* TC, IDs, freqs, 1st day on air, this is
 the old R Continental xmtr (Raus-NJ)
 4940t INDIA AIR Guwahati 2/24 1349 ads w/chime, tlk & flute (John)
 4945.1 BOLIVIA R Ilimani 2/29 0200 ID, tlk, mx, ads (Froe-AZ)
 4950 ANGOLA RN tent 1/29 1700 tlk abt basketball, anmts //7245
 (Will-OR) 2/3 2303 nx, ad, reggae (Famu-JAPAN)
 4950 ECUADOR R Bahai 2/10 1121 tlk, TCs, IDs, mx (Clar-NY) 3/2
 1130 SP YL ID, OM anmts (Hank-KS)
 4950 PERU R Madre de Dios 2/29 0128 ID, addr 0130* (Froe-AZ)
 4953 PERU R Madre de Dios 3/1 1040 anmts, mx, ID 1044 (Alex-PA)
 4955 COLOMBIA RN 2/29 0130 ID, tlks, weak (Froe-AZ)
 4959.8 VIETNAM Hanoi 1/29 1536-1600* mx, ID, poss nx (Will-OR)
 4960 ECUADOR R Federacion 3/2 0000-0026* Indian tlk, mx (Alex-PA)
 4974.5 BRAZIL R Tupi 2/20 0107 pops, IDs, slogans, fair (Clar-NY)
 4976t UGANDA RU 2/8 1606 lang ID, het (Will-OR)
 4980 CHINA Xinjiang PBS 2/25 1300 TP MG tlk, CH mx, ID //5060 (Ryan)
 4980 VENEZUELA Ecos del Torbes 2/28 0100 ID, salsa mx (Froe-AZ)
 4985 BRAZIL R Brasil Central 2/29 0935 tlk/guitar, promos (Newb-NE)
 2/28 0030 pop & samba mx, ID 0037 (Froe-AZ)
 4990 NIGERIA R Nigeria 2/7 0400 EG drum IS, NA, ID (Pasq-PA)
 4990.9 SURINAM R Apintie 2/24 0135 EG/DT mx pgm, ads, promos (D'Ang-PA)
 2/11 1014 DT tlk, hymn, fading quickly (Mohr-VT)
 4991.2 PERU R Ancash 2/10 0854 TC, mx, ID, ads, full ID (Mohr-VT)
 2/29 0100 ID, tlk & mx (Froe-AZ)
 4995.8 PERU R Andina 2/4 2343 Andean mx, tlk, TC, IDs (Clar-NY)
 5003.5p RIO MUNI RN Bata 2/18 2239-2257* Afr rhythms, NA, p-f (Clar-NY)
 5005 PERU R Jaen 3/15 1114 mx, 1117 ID, same singer, vg (Fiel-MI)
 5005.1 NEPAL R Nepal tent 2/20 1205 SC mx, flutes, 1215 TP ID? nx
 (Clar-NY) 2/25 1202 vcls, flute, 1215 TP, ID, nx (D'Ang-PA)

1215 TP, poss nx, het from Malaysia (Clar-ON)
5009.5 MADAGASCAR RM tent 2/25 1614 tlk, poss ID, fair (Flynn-OR) 2/24
*0258-0302 Malagasy w/NA, ID, anmts, fair (D'Ang-PA) 3/3 0256
NA, YL anncr (Hank-KS)
5014.6 PERU Estacion Tarapoto 2/25 1045 ID, reg nx, mx (Froe-AZ)
5015 AS RUSSIA Vladivostok 3/5 1235 tlks, mx, off 1300 (Fiel-MI)
5023.1 BHUTAN BBS 3/4 & 6, on 5030 3-7 & 9, tnx Howard (Clar-ON)
5025 CUBA R Rebelde 2/29 0940 continuous pops, ID, exc (Newb-NE)
5030 BHUTAN BBS 1/26 1315 EG ID, theme mx, nx, anncd 5025 (Famu-JP)
5036.1 VIETNAM Hanoi Hmong 2/25 1204 tlk, mx, fair (Froe-AZ) 1/26
1220 tlks, tonal vcls, fair (Famu-JAPAN)
5039.2 PERU R Libertad 2/24 1022 OA mx, 1029 ID, speech (Kohl-PA)
5040 GEORGIA Georgian R 2/11 1845 lang, drama, class piano mx, ID
as Program Georgia (Ryan-THAILAND)
5040 UZBEKISTAN R Tashkent 2/4 1432 CH tlks, mx, ID (Famu-JAPAN)
5040.4t COLOMBIA LV de Yopal 2/15 romantic mx, too much QRN (Flynn-OR)
5045 BRAZIL R Cult do Para 2/28 0230 ID, short nx & mx (Froe-AZ)
5046.2t JAVA RRI Yogyakarta 2/22 1511 IN EZL mx, tlk, poor (Owsl-CA)
5050t CHINA Vo Strait 2/23 1355 CH region mx, tone 1400, ID?(Hank-KS)
5050 TANZANIA R Tanzania 2/23 *0330 EG ID, mx (Hank-KS)
5059.2 JAVA RRI Yogyakarta 3/4 1205 Jak nx, punchy sig (Clar-ON)
5065 USA WWCN 2/29 0948 EG preacher, "if you can't hear us, let us
know"(!) (Newb-NE)
5075 COLOMBIA Caracol 2/19 0535 exc ID A la Luz de la Noche pgm
//700 (Cont-NH)
5077 COLOMBIA Caracol 2/29 0950 OM tlk, exc (Newb-NE)
5077.8t VIETNAM Son La BS 2/24 1030 poss VT tlk, poor (Froe-AZ)
5125 CHINA CNR 2/26 1530 CH tlk, opera mx (Froe-AZ)
5145 CHINA CRI 2/26 1540 RS tlk //4883, fair (Froe-AZ)
5163 CHINA CNR 2/22 1504 CH tlk, instl mx, fair (Owsl-CA) 2/25 1330
CH ID, tlk w/mx, fair (Froe-AZ)
5290 RUSSIA R Rossii via Perm 2/25 1800 IS, ID, nx, weak (Ryan-THAI)
5508 UNID 2/22 1420 CH tlk, instls, poss regional stn? f (Owsl-CA)
5597 VIETNAM Lao Cai 1/31 1445-1500* ment Vietnam, weak (Will-OR)
5645.8 PERU LV de San Antonio 3/3 0255* anmts, huaynos, NA (Alex-PA)
5691.6 INDO RPD Berau 2/13 1007 Koran, tlk, ute QRM (Famu-JAPAN)
5767 PERU Estacion Soritor pres 2/27 1122 mx pgm, weak (Fiel-MI)
5770 NICARAGUA R Miskut 3/3 0000 echo anmts, pops, disco, on late
Saturday night (Alex-PA) 2/22 2319-2334* SP vcls, ID 2325
& at s/off, poor (D'Ang-PA)
5810 USA KAIJ 3/8 0540 Dr Gene Scott, vy good (Buen-MO)
5890 PHILIPPINES FEBC 2/22 1535 CH tlk, instl, ID 1544, g (Owsl-CA)

What a great batch of logs again! I hope our former SPEEDX members are finding the column to be interesting. DAVID WILLIAMS, tnx for the postcard. If you're into Asian DX, you can thank RALPH FAMULARO & MIKE RYAN as well as our West Coast DXers for their great info. Thank you to all including first time contributors PETE COSTELLO & MR. OWSLEY. You're not the Owsley referenced by the Jefferson Airplane way back when, are you? This month contributors from 17 states, 1 province & 3 countries. HAPPY EASTER to all. Oh yes, I hope you didn't hate the new contributor abbreviations too much. For full names and locations of reporters, see Fred's contributors' page. Hopefully this practice will make the column better by allowing more pgm details to be included. And for those interested in that expanded AM band, check 1640 for KBXT in Vallejo, CA. So far it's fairly well reported although not heard here yet partially due to terrible noise. Keep those cards and letters coming. Next deadline at this editor's mailbox is April 19 for the May issue.

International Band Loggings

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

- 5915 UKRAINE RUI in UK 0600, IS, ID, pop mx, lcl nx, promo, //6020, 6080 etc (Serra ITALY 2/17)
- 5920 PAKISTAN R Pakistan in Turki? 1527, Qur'an recitations, NA at 1530* (Famularo JAPAN 2/14)
- 5930 SLOVAKIA RSI in EG 0105, wx rpt, QTH, nx, sked, feature (McGuire MD 2/9, Robinson TN)
- 5960 CANADA Deut Welle relay in EG 0110, ID, "European Journal" feature (McGuire MD 2/21)
- 5965 NIGERIA R Plateau(t) in EG/lang 0440, ads for cigarettes & lcl super market, mx by Ray Charles & others w/lite pop mx, p, RHC usually dominates fgy but hrd weak underneath 2/25 (Alexander PA)
- 5965nf7 ZIMBABWE ZBC Radio 1 in EG/lang, Lexington cigarette ad, rock mx, World Cup cricket scores, nx in lang 0500, UTC + 2 hrs TC w/lcl wx 0510, ID, co-channel w/RHC til 0500* (Rausch NJ 2/26)
- 5970 KAZAKHSTAN Kazakh R in KZ 1445, classical mx, IS, ID @ 1500 (Ryan THAILAND 2/2)
- 5975 UZBEKISTAN R Tashkent in EG 1200, ID, tlk of the republic's economics (Robinson TN 2/17)
- 5980 MALAYSIA RM Kota Kinabalu in vern 0848, vocals, ID at 0900 (Famularo VIETNAM 2/29)
- 5980 VATICAN STATE Vatican R in EG 0155, nx, ID, into lang? to Asia, f-p (Rosenwarne IL 2/24)
- 5985 CONGO Rdf Nat Congolaise in FR 2128*, tlk, ID 2127, s/off with short NA, p (Alexander PA 3/3)
- 6000 BRAZIL R Guaiaba in PT 0943, AM drive pgm, TC's, ads, promos, phone-ins (Mohrman VT 3/6)
- 6005 GERMANY Deutschlandradio in GM 0953, class mx, pop mx, IS, ID, fgy, wx (Serra ITALY 2/15)
- 6005nf ITALY RAI Rome in EG 0050, tlk re Italian astros in Columbia launch, g (Pasquale PA 2/23)
- 6010 MEXICO R Mil in SP 0930-1035, ID's w/whistles, ads, SP pops, jingles between each song, TC's (Alexander PA 2/25, Mohrman VT 3/2, Clar NY 2/20)
- 6010 UKRAINE RUI Kiev in EG 0100, IS, ID, nx, cmntry, weak, //7205 also wk (Alexander PA 2/11)
- 6015nf SINGAPORE RSI in EG *1100-1400*, nx, wx, business rpt, repl 9530 (Ryan THAILAND 2/8)
- 60499 NIGERIA NBC Ibadan in EG 2108, nx re Nigeria, //4770 much better (Hill MA 2/19) in EG 0635, relig tlk in African-accented EG, expected ID @ 0700 blocked by HCJB s/on (Berg MA 2/11)
- 61157 COLOMBIA LV del Llano in SP 2330, SP mx, TC's, ID's, QTH (Clar NY, Pasquale PA 2/23)
- 6120 GERMANY Deut Welle Wertachtal in EG 0505, Berlin film festival, alpine skiing (McGuire MD)
- 6130 LAOS Lao Nat R in lang 1135, nice Asian vcls, 7 gongs 1200, usual fanfare theme, nx(p), signal OK when CHNX Canada does not interfere from time to time (D'Angelo PA 2/23, Clark ONT 3/6)
- 6130 UKRAINE RUI Kiev in EG 2240, Ukrainians being bilked by pyramid scheme, f (Pasquale PA 2/8)
- 6130 PORTUGAL Deut Welle relay in EG 0235, rpt on terrorist bomb attack in London (McGuire 2/12)
- 6135 BOLIVIA R Santa Cruz in SP 1030, pop mx, "La Hora Musical", TC's, ads, ID, f (Jones MS 2/15)
- 6140 ALBANIA R Tirana in EG 0240, nx re Albanian election laws, & econ (Pasquale PA, McGuire MD)
- 6153 INDONESIA RRI Biak in IN 1209, Jakarta nx & anents, andms, Indo pops, f (Clark ONT 3/4)
- 6155 SINGAPORE SBC in EG 1100, nx mostly SE Asian-related, ID, g (Famularo VIETNAM 3/1)
- 61881 PERU R Oriente in SP 1115, TC, ID, ballads, SP version of 'Limbo Rock' (Mohrman VT 2/25)
- 6190 HUNGARY R Budapest in EG 0215, "Focus on Business" feature, ID, f (Lemke ALBERTA 2/9)
- 6195 ANTIGUA BBC relay in EG 1130, dramatic play "House of Cards", ID, g (Fraser MA 2/13)
- 6205 MOLDOVA R Dneister Int in EG 2130, regional history, nx feature (Pasquale PA, McCarthy GA)
- 6210 ETHIOPIA R Fana in Amharic 0523-0534*, long excited speech, ID, f-p (Owsley CA 2/21)
- 6428 VIETNAM Lai Cau(p) in VT 1130, ID w/background mx, tlks, CW QRM (Famularo THAI 2/22)
- 6472 PERU R Luz Y Sonido in SP 1131, sermon w/Ave Maria, TC's, ID's, Andean mx (Jones MS 2/17)
- 65495 LEBANON V of Lebanon in EG/AR/FR 1803, nx in EG, piano mx pause, ads in AR w/mx breaks, jingles, cow mooing etc, anctm & nx in FR 1815, into more AR ads (Serra ITALY 2/7)
- 6560 IRAQ Repub of Iraq R in Kurdish(p) 1550, OM singing w/fast mx, tlk, f-p (Famularo JAPAN 2/13)
- 6585nf7 UNIDENTIFIED in RS 2130-2400*, tlk on Euro technology, dance & rock mx, Broadway show mx w/Pavarotti, ID as R Mosti but QTH unknown (Rausch NJ 2/12)
- 6700 VIETNAM Bac Thai(p) in VT 1028, VT mx, fanfare, tent ID, chants, f-p (Famularo VIETNAM 3/1)
- 67395usb PUERTO RICO AFRTS Naval Station Roosevelt Roads in EG 0056-0500+, country & rock mx, Navy & base-related PSA, mention of 1200 kHz, tape of MW station?, g (Costello NJ 3/4)
- 67473 PERU R San Ignacio in SP 0040-0519*, LA mx, huaynos, ads, DJ, ID's, NA (Alexander PA 3/2)
- 68028 PERU R Ondas del Mayo in SP 0040-0202*, anmts, SP pop & OA mx, NA, f (Alexander PA 3/2)
- 7115 MONACO TWR Monte Carlo in EG 0746-0905*, relig pgming directed in England, ID, fgy, children choral chant, phone # (Serra ITALY 2/15, Hankison KS 3/2)
- 7125 MOLDOVA Golos Rossii relay in RS 2100, bells IS, nx re Cuba/ Chechniya (Dybka TN 2/26)
- 7145 THAILAND R Thailand in Thai 1335-1400*, US & Thai pop mx, DJ, ID, IS, s/off anctms in EG, (Owsley CA 2/9, Hankison KS 3/2)
- 7180 HONG KONG BBC relay in EG 0950, cmntry on HongKong independence, ID (Newbury NE 2/5)
- 7180 RUSSIA Universal Life via V or Russia in EG 1930, relig pgm, ID's, Germany QTH, Sundays only, vg, //5940 weak, into EG V or Russia pgming at 1958 (Alexander PA 2/11)
- 7270 ALBANIA R Tirana in EG 0345, lots of tlk, exotic ethnic mx (Levison PA 2/9, Newbury NE 2/29)
- 7305 VATICAN STATE Vatican R in EG 0250, IS, ID, pgm on global warming, vg (Hankison KS 2/28)
- 7385 COSTA RICA RFPI in EG 0155, discussion pgm "Feminist Radio", Afro mx (Newbury NE 2/29)

- 7405 CHINA CRI Jinhua in EG 1400, "News of China", devastating earthquake (Newbury NE 2/4)
- 7465 NORWAY RNI Oslo in EG 0329, "Norway Now", tlk re NO film, //11840, into relay of Radio Denmark at 030, pgm re Time Capsule & Nordic Council of Ministers, f (Lemke ALTA 2/5)
- 7465 ISRAEL Kol Israel in EG 2010, rpt on terrorist attack in Jerusalem, ID, g (McGuire MD 2/26)
- 7740nf ICELAND Ríkisutvarp in IC *1852, ment Reykjavík, ancmis, bell pips, ID, nx (Serra ITALY 2/5)
- 7800 CHINA CRI Kunming in FR 2226*, ancmnt by OM & several Edith Piaf songs (Dybka TN 2/26)
- 9024 SUDAN R Omdurman in AR 2109, AR mx, tlk, chants (Levison PA 2/29, Costello NJ 2/16)
- 9355 NO MARIANAS KHBI Saipan in EG 1409, tlk on acceptability of anger in life (Hankison KS 3/9)
- 9380 GREECE FTH Athens in EG 1900, nx of GK-Turk polit affairs etc, ID, g (Robinson TN 2/1)
- 9430 NO MARIANAS KHBI Saipan in RS 0953, OM's tlking slow in RS, relig pgm (Newbury NE 2/5)
- 9455nf SEYCHELLES FEBA in Fars(p) *1800 w/FEBA ID, into pgm in lang, repl 9810 presumably to escape QRM from RNZI?, QTH, abrupt s/off 1832 w/distinctive IS (Treibel WA 2/29)
- 9485 NORWAY R Denmark relay in DN 1530, nx re Bosnia-Herzegovina, ID in EG (Robinson TN 2/2)
- 94948v GEORGIA Abkhaz R(p) in lang 0505, tlk, lcl folk mx, too weak to catch ID (Alexander PA 2/11)
- 9500 SWAZILAND TWR in EG 1700, ID's, various religious programs (Ryan THAILAND 2/15)
- 9525 INDONESIA RRI Jakarta in Thai 1200, dom & int nx, mx, QRM end of Thai best (Card RI 2/17)
- 9535 JAPAN NHK Tokyo in EG 1729, tlk on Japanese history & traditional culture (Newbury NE 2/28)
- 9540 UZBEKISTAN R Tashkent in GM/lang 2028, chant, instrml mx, ID in GM, IS, into HS in lang 2030 //4850, nx, very long local choral vocals, QRM splatter (Serra ITALY 2/9)
- 9540 SPAIN R Exterior de Espana in EG 0100, nx, press review, ment of ski event (McGuire MD 2/11, Lemke ALTA 2/3) in SP 0557, end of pgm, into IS, carrier off 0558 (Bueneaman MO 3/8)
- 9548nf BANGLADESH R Bangladesh in EG 1300*, nx, local pop mx, ID, cmntry, p (Alexander PA 2/17)
- 95602 ETHIOPIA V of Peace/R Amahora in EG/Vern *0428, s/on w/xylophone IS & opening EG ancmis, ID's, into Vern tlk at 0431, Afro pop mx, f but covered by China after 0500 (Alexander PA 2/25)
- 9570 PORTUGAL RPI in EG 0235, rpt on Portugese Prime Minister's speech re Bosnia (McGuire 2/20)
- 9575 MOROCCO R Medi Un in FR 2320, ID, mention of Ramadan, AR vocals, g (Conti NH 2/10)
- 9585 SO AFRICA Chan Africa in EG 0301, nx items, mx w/African flavor, ID, f-g (Levison PA 2/8)
- 9595 JAPAN R Tanpa Tokyo in JP 0911, horse racing cmntry by YL/OM (Famularo VIETNAM 2/29)
- 9605 MADAGASCAR R Nederlands relay in EG 1955, "Sounds Interesting", ID, g (Fraser MA 2/11)
- 9700 BULGARIA R Bulgaria in FR 1830, ID, folk mx, bagpipe/flute solos, g (Robinson TN 2/1) in EG 2300, IS, ID, political nx, "History Club" (McGuire MD 2/22, Lemke ALTA 2/7)
- 9700 NEW ZEALAND RNZI in EG 0800-1055*, ID, intl/lcl nx, ID, long tlk on economics, pop mx, Mailbag pgm, DX tips, sports, skeds (Serra ITALY, Robinson TN, Fraser MA, McGuire MD)
- 9705 MEXICO R Mexico Int in SP 1400, ID, world/lcl nx (Hankison KS 3/2) in SP/EG 0035, brief anmt in EG giving fqys, back to SP vocals after, f (Flynn OR 2/19)
- 9710 MALI R China Int relay in EG 0301, nx items, nx re China 0308, intl nx 0313 (Levison PA 2/13)
- 9740 SINGAPORE BBC relay in EG 1508, usual Saturday AM sports pgming, ID (Hankison KS 3/9)
- 97421 INDONESIA RRI Sorong in IN 0004, regional nx, ID, PSA, f-p (Famularo JAPAN 2/15)
- 9770 PHILIPPINES VOA relay in EG 1745, tlk on end of Gulf War & consequences (Newbury NE 2/28)
- 97798 YEMEN Rep of Yemen R in AR 2150, phone-in pgm, M East mx, nx 2200 (Hankison KS 2/18)
- 9800 FRENCH GUIANA R France Int relay in SP 0535, classical mx, ID (Newbury NE 2/1)
- 9815 USA R Marti via Delano relay in SP 0030, ID's, "noticias de Cuba", bubble jammer (Conti NH 3/5)
- 9835 HUNGARY R Budapest in EG 2020, Internet QTH, jazz guitarist, //7250, f (Pasquale PA 2/26)
- 9860 AUSTRALIA RA in EG 1220, DJ, country/pop mx, promo for Australian scene, IS (Newbury 2/15)
- 9895 MADAGASCAR R Nederlands relay in EG 1345, feature re smuggling on US/Mexican border, ID, sports story, "Newsline" 1351 (Hankison KS 3/2)
- 9910 INDIA AIR in Pushtu/EG 1514, regional mx, into EG service 1530, nx, exc (Hankison KS 3/9)
- 9930 HAWAII KWHN Naalehu in EG 1300, sermons, ID, relig mx (Card RI 2/19, Hankison KS 3/2)
- 9940 VATICAN STATE VR in EG 1634*, Mass, prayers, ID, janmer, //11640 (Alexander PA 2/24)
- 9955 USA WRMI R Miami Int in EG 0030, "Discover Florida", "Viva Miami" (Lemke ALTA 2/3)
- 9965 ARMENIA V of Armenia in FR 2100, ID in 3 languages, then into FR, f-p (Pasquale PA 2/26)
- 9988 EGYPT R Cairo in IT 1819, nx, polit cmntry, ID, science pgm, AR mx, mail (Serra ITALY 2/5)
- 115701 PAKISTAN RP in EG 1742, tlk re Islam, ID, fqy, lcl mx, speech (Serra ITALY 2/10)
- 11615 FRANCE R France Int in EG 1225, rpt on Afghanistan's problems, ID, g (Fraser MA 2/13)
- 11635 VATICAN STATE VR in EG 1742, pgm re Pope's trip in C Amer, "Panorama", world nx, religious speech, fqy quote & targets, "Laudetur Jesus Christus", IS, into PT 1800, //9660 (Serra ITALY 2/9)
- 11650 SWEDEN R Sweden in EG 1455, "Nordic Report", Superational tour of area (Lemke ALTA 2/8)
- 116798 NO KOREA KCBS Pyongyang in KR 1708, operatic arias w/choral backup, vp (Hill MA 2/23)
- 11700 NO KOREA R Pyongyang in EG 2300, nx w/refs to N Korea's Great Leader (Kaminsky NJ 2/26)
- 11705 CANADA R Japan relay Sackville in EG 1430, "Media Roundup", songs, ID (Newbury NE 2/4)
- 11734nf TANZANIA RT Zanzibar in SH 1942-2000*, YL hosting lcl mx pgm, ID 1957, nx, many mentions of Tanzania, NA and abrupt s/off (Serra ITALY 2/9, D'Angelo PA 2/24)
- 11735 NEW ZEALAND RNZI in EG 2005, nx, promo for concert, wx forecast, sked, f-g (Hill MA 2/24)
- 11750 ASCENSION IS BBC relay in EG 0120, "Newsdesk", ID "This is London" (Bueneaman MO 3/5)
- 118052 BRAZIL R Globo in PT 1945, ads, tlk, BR song, whistle & canned ID, jingles (Serra ITALY 2/9)
- 11820 PHILIPPINES R Veritas Asia in Bahasa 2300, IS, relig mx, tlks, ID's, g (Owsley CA 2/9)
- 11830 BRAZIL R Anhanguera Goiania in PT 2335, tlk pgm, ID, fqys, lcl temp, phone-ins (Flynn OR 2/16)
- 11840 NORWAY RNI in EG 1440, cmntry on children watching less TV, g (Fraser MA 2/4) in NO 1200, ID, OM & YL tlks, Sinatra rx, exc (Robinson TN 2/1)
- 11855 INDIA AIR in local lang 1451, regional mx, chorus, ID on hr, sitar mx (Newbury NE 2/27)

- 11895 FRENCH GUIANA R Japan relay in EG 0302, nx items, EG-JP lang lesson, exc (Levison PA 2/24)
- 11900 NEW ZEALAND RNZI in EG 0617, nx, ment TV show "Absolutely Fabulous" (Dybka TN 2/26)
- 11900 SO AFRICA Chan Africa in EG 0505, nx re Algerian unrest, RNZI underneath (Dybka TN 2/26)
- 119404 CAMBODIA Nat V of Cambodia in lang 1255, domes mx, usual fanfare, weak (Clark ONT 3/9)
- 11945 CANADA RCI Sackville in EG 2106, nx re 1st blacks in white schools in S Afr (Owsley CA 2/22)
- 11970 JORDAN RJ in EG *1500-1730*, D Leppard mx, nx, ID (Lemke AL, Pasquale PA, Kaminsky NJ)
- 11995 FRANCE RFI in FR 1730, xmsn to Africa, ID, nx, pop songs by OM, exc (Robinson TN 2/1)
- 13670 BELGIUM RVI Wavre in EG 1900, press reviews, intl nx, Belgian tourism, vg (Card RI 2/19)
- 15050v COSTA RICA RFPI in EG 1715, FIRE topic of sexual harassment, g (Rosenwarne IL 3/3)
- 15110 MALI China R Int relay in EG 1610, intl nx, ID, regional nx, sports feature, //15130 (Serra ITALY)
- 15130 INDONESIA RRI Jakarta in IN 1309, NA after Jak nx, //9680 both 250 kw now? (Clark ONT 3/9)
- 151673 SOCIETY IS RFO Tahiti in FR 1732, interview, ad string, jingles, echo annts, p (Hill MA 2/23)
- 151857 EQUATORIAL GUINEA R Africa in EG 1255-1608*, US produced relig pgm, ID, several QTH's. NA @ s/off, back on *1648-2300*, similar pgming, f (Alexander PA 2/17, Dybka TN 2/26)
- 15230 SAUDI ARABIA BSKSA in AR 1338, AR children chants w/instrml mx, ID (Serra ITALY 2/18)
- 15240 SO AFRICA Chan Africa in EG 1624, nx, TC's, ID's, pop mx, wx, "Business Watch" (Serra 2/15)
- 15265 BRAZIL Radiobras in GM 2035, speech in GM, various mx sels, exc (Levison PA 2/25)
- 152918 MOZAMBIQUE R Mocambique(p) in PT? 1315-1345, reactivated fgy, listed 15295 with 100 kw in 1980's and PWBR but probably running a small fraction of that power (Clark ONT 3/9)
- 15315 NETHERLANDS ANTILLES R Nederland relay in EG 1915, cmtry on use of Dutch railways as an alternative to automobiles, finding parking in large cities etc., exc (Levison PA 2/28)
- 15320 ASCENSION IS RAI R Roma relay in IT 1737, "Un'ora con voi" feature, "Horoscope of the Week" ltalian press review, lyrical song, recipe, nx/pop mx mix, NA, ID, fgy, 1800* (Serra ITALY 2/3)
- 15340 INDIA AIR Bangalore in Thai *1115, IS, Thai pop mx, OM tlk, g (Famularo THAILAND 2/22)
- 15345 MOROCCO RTVM in AR 1805-1923, alt OM/YL ancrs, AR mx sels, g (McCarthy GA 2/24)
- 15425 SRI LANKA SLBC Colombo in EG 1325, ezl mx sels, TC, ID, //9720 (Clark ONT 3/9)
- 15445 BRAZIL R Nac Brasilia in PT 1230, ID, "Carnival"...all the madness begins today! (Robinson TN)
- 15650 GREECE V of Greece in EG 1435, GK PM refers to new Party as troublemakers (Pasquale PA)
- 17510 HAWAII KWHR Naalehu in EG 2300, sermon on "Mark of th Beast", f (Card RI 2/19)
- 17558v PAKISTAN R Pakistan in EG 1053, World Cup cricket, UAE v Holland, f (Famularo VIET 3/1)
- 17715 AUSTRALIA RA in EG 0633, "Pacific Beat", interviews, ID, TC, nx, sports nx (Serra ITALY 2/5)
- 17725 UKRAINE R Ukraine Int in UK *1000, IS, ID, tlk w/background mx, f-g (Famularo THAI 3/3)
- 17765 ANTIGUA Deut Welle relay in GM 1513, classical mx, piano solo, ID, IS, exc (Levison PA 2/11)
- 17815 ASCENSION IS R Japan relay in EG 0721, "Newline", features, //15165, 7230 (Serra ITALY 2/5)
- 17825 UNITED ARAB EMIRATES UAERTV Dubai in AR 1700, TC, world nx, g (Flynn OR 2/19)
- 17840 ANTIGUA BBC relay in EG 1825, nx re largest snow castle built at Finnish festival (Fraser MA)
- 21660 ASCENSION IS BBC relay in EG 1124, world nx headlines, ID, p (Famularo THAILAND 3/3)

CLANDESTINE STATIONS

- 6300 PAKISTAN V of Kashmir Freedom in lang 1540, Kashmiri chant-like vocals, OM tlk, local horns & wind instruments, anti-Indian outlet, f-p, //4116, 5300 both vp (Famularo JAPAN 2/14)
- 6873usb SOMALIA R Mogadishu V of the Masses of the Somali Rep in lang 1937, typical Horn of Africa vocal by OM, telephone-quality audio, weak but in the clear (Hill MA 2/24)
- 7115 IRAN V of the Islamic Revolution in AR 1550, excited tlk, UTE & bubble jam (Famularo JP 2/10)
- 9560 SAUDI ARABIA V of the Iraqi People(p) in AR 1435, lots of regional mx w/brief annts, pips at 1500, ID?, nx (Hankson KS 3/9)
- 99416 GUATEMALA LV del CID in SP 0325, back after short absence, ID, jammer (Alexander PA 2/18)

Well, that's about it for this time. I'm sorry I couldn't hold up preparing the column any longer this month so I hope no more reports straggle in right after I mail this off to Bill Oliver. As I noted last month, I'll be away for a week beginning later this week. Today's paper noted that the temperature in Phoenix will be 86 degrees so I guess I can pack light!

One more reminder about loggings. If the prospect of cutting them into individual slips is abhorrent, then by all means, send them in on a full page. But, if you do, please leave enough space between each logging so that I don't end up with a small sliver of paper about 3/8" high after I've cut them apart. Many thanks to those who cut them before mailing.

DX'ing from the Far East to this area has been outstanding the past week. For example, RTM Kuching, Malaysia (10kw) was pushing S-9 on my stingy meter this morning. What a time to pick to travel! 73's to all.

FOR SALE: ICOM R71A in very good condition with stock filters. Manual included. Price \$400.00 shipping included in continental U.S. MFJ Multireader with manual. Used 9 months. Price \$100.00. Call Richard Wallace at 203/792-6541 or e-mail (71221.237 compuserve.com).

HELP!: I'm looking for someone in the Minneapolis area who may be of assistance in locating the source of a strong broadband electrical interference preventing shortwave reception in my neighborhood. Interference is strongest and most prevalent from dusk to dawn. Power and cable companies say they are unable to help because interference service is not available after business hours. I am willing to pay a reasonable fee for help in locating the source so I can have the proper utility company correct it. If you can help or want more details, please contact Mike Franzen, 2296 Shadywood Road, Wayzata, MN 55391 or call 612/471-0951.

FOR SALE: Drake R-8 in excellent condition. Protector board updated by Drake. \$700.00 shipping included. John M. Gramarossa, 4101 Meadowlark Lane SE, Apt. #144, Rio Rancho, NM 87124. Phone 505/891-1565 anytime.

FOR SALE: Sony CRF-150. Cosmetically rough, but works good, \$60.00. Zenith Royal 755G and LK (one each), \$30.00 each. Zenith Royal 790 Navigator, \$40.00. Grundig MiniBoy 200 (1964), \$50.00. Many other transistor radios. Send an SASE for list. Terry Palmersheim, 1255 Weiland Street, Apt. E-4, Kent, WA 98031. Phone 206/854-1745 2300-0600 UTC.

FOR SALE: Customized Beam Headings (from/to) and distances (MI/KM) to more than 480 WRTH transmitter sites including new Russian republics. ITU Country Codes included. Send your location or coordinates, \$7.50. NASWA Journals '95 complete, \$15.00. WRTH '91, \$6.00; '93, \$7.00; '94, \$10.00; '95, \$13.00 or \$35.00 for all four. Passport to World Band Radio '94, \$9.00; '95, \$10.00; '96, \$13.00 or \$30.00 for all three. All items include shipping (overseas shipping extra). Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone 704/894-3398. No collect calls, please.

RADIO STUFF SALE!: Books, magazines, club bulletins, other publications, station memorabilia, etc. Multi-page listing for \$1.00 or business-size SASE with two stamps. G. Dexter, 213 Forest Street, Lake Geneva, WI 53147.

FOR SALE: ICOM R70. Never used. Please make offer. Grundig HiFi Model 3028 Zauberklang with LW, MW, SW bands and pitch tuning. 24" wide, 14" high, and 9" deep. Garrard turntable Model LAB-80 (made in England) that can be connected to the Grundig. 16" wide, 10" high with cover, 13" deep. Plays 45 and 33 rpm 7", 10" or 12" records. Please make offer. Mary Coan, 83 Indian Field Run, Greenwich, CT 06830-7213. Phone 203/869-1835.

FOR SALE: Antenna connectors for Collins R-390. This is a set of three. UG-971/U (Twinax to C. Fits J108 balanced 125 ohm Twinax connector). UG-703A/U (C to N. Fits J107 unbalanced C connector). IPC16750 (adapts UG-703-A/U to coax cable). All three connectors are silvered. Sold as a set only. \$21.00 postpaid in the U.S.A. Money order only, please. Jim Clifford, 108 Bayfield Drive, Brandon, FL 33511.

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Executive Director: Richard A. D'Angelo, 2216
Burkey Dr., Wyomissing, PA 19610
Publisher/Business Manager: Bill Oliver, 45
Wildflower Road, Levittown, PA 19057
Executive Council: Jerry Berg, Ralph Brandi,
Bob Brown, Dr. Harold Cones, Rich D'Angelo,
Kris Field, Bill Oliver

EDITORIAL STAFF

Managing Editor: Dr. Harold Cones, 2 Whits
Court, Newport News, VA 23606
Desktop Publishing/Graphics: Ralph Brandi,
128 Greenoak Blvd., Middletown, NJ 07748
Shortwave Center: Hans Johnson, 8121 S.
Poplar 204D, Englewood, CO 80112
Easy Listening: Richard Cuff, 1016 Chestnut
Ridge Drive, Timonium, MD 21093-1716
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Technical Topics: Joe Buch, N2JB, 2008 Mozart
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Distributing Editor: Fred S. Kohlbrenner, 2641
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