



The
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of the
North
American
Shortwave
Association

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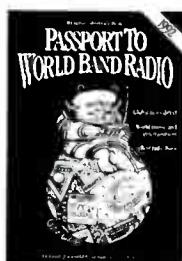
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NASWA Notes

Bob Brown
238 Cricklewood Circle
Lansdale, PA 19446
Compuserve 74756,1557



Welcome to the September Journal. This month you will find all the latest, up to the minute SW news related to the Soviet situation. Amazing history has been made these past few weeks. And it will surely continue for weeks to come. As you listen and learn of new stations or radio related developments, please share your findings with the club. If you are unsure of who to send it to, sent it to me, I'll distribute it appropriately.

Thanks to everyone who wrote and volunteered to help out with the NASWA reprint service. I think we now have this under control. It was also good to hear from Bill Kurrasch who volunteered to help out with some of the desktop publishing work.

We are still looking for features. Station profiles are always interesting, especially if it is a story on the smaller, less well known broadcasters. If you have an interest in writing this kind of feature, contact some of the smaller broadcasters asking for history, operations, equipment, etc. Also of interest are "how-to-do-it" articles or articles about unusual hobby techniques. Articles by some of our more veteran DXers are also eagerly sought. Our club has a bunch of eager, new DXers that are anxious to read about ways to improve their DXing. How 'bout you senior members writing some things about band scanning, target identification and seasonality, QSLing techniques, etc.? If it fits in DXer's Forum, send it directly to Kevin. If you're not sure, send it to Harold Cones. Lastly, if you are a new member/DXer and have a particular need that isn't being fulfilled in *The Journal*, let me know. All ideas are welcome.

Are you a DXaholic?

Q: What's still two bucks after 10 years?
A: Blandx - the annual DX bulletin parody.

Yes! The Journal of Blandx is back with another issue poking fun at your favorite

Calendar Of Events

Sept 8 - San Antonio Knobtwisters meeting at Wyatt's Cafeteria, 8511 Tesolo Drive, San Antonio, TX from 2-4 PM. Contact Brian Jones (512) 349-1419

Sept 17 - N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. Mike Fanderys (216) 661-2443

Sept 20 - Meeting of the Boston Area NASWA Chapter, GTE Labs, Waltham, Mass. Please contact Paul Graveline (508) 470-1971 for additional information.

Sept 20 - Philadelphia Area NASWA Chapter. Metropoliton Edison Company Auditorium, 2800 Pottsville Pike (Rte. 61), Reading, PA. 7:30 PM Contact Dan Cashin (215)446-7831

Oct 4/6 - 1991 Monitoring Tomes Convention / ANARC Convention, Knoxville, Tenn. For registration

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

hobby. All the DX news that no one else dares to print in columns such as Listeners' Trashbag, Blandx mugshots, the Blandx Boutique, Typical Bad Loggings and more. Only Blandx dares reveal the ugly truth about DXaholics! Only Blandx reviews that controversial new computer program, PC-Listlogger! Only Blandx explains how

Our Motto Is - "Unity and Friendship"

Norway rats can be very useful to R-390A owners! Only Blandx looks into the social habits of BBC newreaders!

Blandx #6 (September 1991) is hot off the presses. Available for \$2.00 postage paid in the US, Canada and Mexico. Overseas, \$3.00 or 8 IRCs airmail. Orders to Don Moore, B-20108 Hayes Road, Big Rapids, MI 49307. Checks or money orders payable to Don Moore. Back issues also \$2.00, or complete set of all five back issues available for \$9.00, with current issue \$11.00. For your protection, Blandx comes in a plain brown envelope.

Chapter Notes

Tom Walsh sent me a note announcing the fall schedule for the Boston Area DXers. They will be meeting on the third Friday of each month at the GTE Labs in Waltham, MA. Check the calendar for contact information. The group is now supported by both NASWA and SPEEDX and will have a computer BBS operational shortly. Tom writes, "Plans for fall meetings include a visit from Paul Zechino of MilSpec Communications, a supplier of SWL and Scanner equipment including the old tube type R390 stuff. Also, we hope to design and build antenna tuners for members during the meetings. This should help greatly if anyone has a solid state portable (e.g., 2010, RFB45 etc) and they would like to connect an outside antenna but reduce the overload problem. This is a project for several meetings I suspect. Finally, I hope we organize people during September and October to try for Indonesian stations during the hoped for fall opening. We will try and get someone experienced to give a talk on how to hear Indonesia at the September meeting and then see if anyone actually does during the October/November meetings. All the best from the Boston NASWA Chapter...aka BAD Guys."

The Philadelphia area group will resume meeting again in September with the first meeting being held in Reading, PA at the Metropolitan Edison Company building. Rich D'Angelo arranged for the auditorium at Met-Ed and we hope that NASWA members that live out in that part of PA. can join us. Check the calendar for more information.

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Net Controls Bob Brown KW3F and Dave Kirby N8JQX host an always lively gang of DX monitors. (Best heard in the eastern half of NAm)

25th Anniversary Mugs

I received my 25th Anniversary Mugs from Rich and they look great. Special thanks to John Herklmer for the design. If you would like one, send your money to Rich D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610. US-\$8, Canada-\$9, Europe/SAm-\$12, All else-\$18. All \$\$ are US.

Tapes to USSR

Dan Unruh writes to ask if anyone knows anything about the regulation that prohibits sending a reception report on tape to the USSR. He says that this is pointed out on page 711 of the International Mail Manual at the post office. Dan received a reply from the Office of Classification and Rates Administration and their response is that the restrictions for mailing are established by the individual countries receiving the mail. They state that the specific prohibition by the Soviet Union applies to all recorded or unrecorded magnetic tapes, video cassettes, spools with video tapes, video disks, and other recording equipment, whether recorded or not. They say also that since the USPS did not establish this regulation, they can not definitely state its purpose. Dan indicates that this is a very strange and baffling scenario especially since Radio Moscow told him that many send cassette reports and that they couldn't understand the difficulty as noted in the regulations. Comments anyone? Dan's address is 702 East 1st, B-4, Ellensburg, WA 98926.

MT Convention

Many of you will be attending the MT

Convention in Knoxville, TN in October. Unfortunately, I will be unable to attend this year. Ed Mauger has agreed to represent NASWA at the convention and he looks forward to meeting NASWA members that will be attending. NASWA will have a table and Ed would like to get some help from other members to take turns manning the booth. I'll help coordinate this so please drop me a line if you are going and can help out. Thanks!

ANARC BBS and Shortwave Echo

It has been a while since I logged into the ANARC BBS and read messages on the Shortwave Echo Computer Conference. I finally got some time a few weeks ago and in reading the messages, I can see where there is definitely a need for someone from NASWA to represent us on the computer BBS systems. If you frequent the ANARC BBS or the Shortwave Echo and would be willing to act

as BBS liaison, please let me know.

Musings

In discussions this past month with some NASWA members there seems to be an interest in adding a page or two of members musings to The Journal. If you have seen the musing columns in some of the other club bulletins, such as the NRC, you already know what I mean. For those of you who don't know what it is, think of it as a soapbox for discussion whether it be a theme or topic that has been preselected, personal reflections about something hobby related, or just a simple - "Did ya hear the one about?". You can talk about the new R8 you just bought or your opinions about lousy audio from SW stations. With an 1900+ member club, this could be real interesting if it takes off. Let's go, I'm looking for topics and inputs, especially from those who expressed interest in the idea. I'll make the musings part of NASWA Notes. Till next month - 73

Welcome to the following new NASWA members -

Roger Bacon, Costa Mesa, CA
Fred Balnes, Toronto, ONT
James W. Benson, Raceland, KY
Marlon Catherine Betts, N. Attleboro, MA
Gary H. Bishop, Durham, NC
Marshall E. Bowman, Redlands, CA
Don Bush, El Paso, TX
Al Carpenter, Menasha, WI
Gino A. Centofanti, Wilmington, DE
Christopher J. Crosby, Lakewood, NJ
Pedro Antonio Diaz, San Nicolaas, ARUBA
Shelly Farber, Media, PA
Alfred M. Fawbush, Houma, LA
Felipe L. G. Flosi, Rio De Janeiro, BRAZIL
Bernard S. Fontalne, Marsielle, FRANCE
Lawrence S. Fowkes, Southgate, MI
L. A. Freeguard, Chula Vista, CA
James Galgano, Seneca Falls, NY
Victor C. Glock, San Diego, CA
Fred Gold, Cinnaminson, NJ
Terry Hoke, Anchorage, AK
Jeremy Jeffries, Abington, PA

Jeff Keith, Philadelphia, PA
Sohail Khan, Vero Beach, FL
George Raymond Kosch, Marblehead, OH
Mr. David J. Leto Sr., Hollywood, FL
George L. McCormick, East Cleveland, OH
Thomas L. Nelli, Lake Jackson, TX
D. James Nielsen, Littleton, CO
John Parisi, Winsted, CT
William Phillips III, Chicopee, MA
Daniel J. Reed, La Jolla, CA
Robert J. Schroeder, Watauga, TX
Giovanni Serra, Rome, ITALY
Brian Smith, Grimsby, ONT
Keith T. Smith, Chicopee, MA
Allen G. Snyder, Lansdale, PA
Frederick Spain, Haverhill, MA
Gary Stone, Annapolis Junction, MD
Morton Tunenbaum, Flushing, NY
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Frank Vahclic, Poulsbo, WA
Robert C. Walker, Wixom, MI
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Shortwave and the Coup

Major international broadcasters played major roles in August's Soviet Coup - as information sources for American listeners, and as information providers for listeners in the USSR. As many European countries have been more vocal in support of President Gorbachev and his efforts than the United States, and since the USSR is a neighbor of these countries, the European perspective on the coup had a much more urgent cast than the spin applied by domestic USA broadcasters. Deutsche Welle's perspective - especially early on - was particularly insightful given Germany's enthusiastic support for Gorbachev.

I'm sure most of you have heard Gorbachev's endorsement of shortwave radio in his Friday, 23 August press conference. Gorbachev stated what many people in controlled-media countries already know: The BBC and Voice of America are key sources of news beyond the control of any domestic authorities. Sadly, Radio Moscow served primarily as the English-language mouthpiece of the coup committee during the heat of the coup. To their credit, Radio Moscow didn't ignore the resistance effort, but didn't take any advocacy position themselves regarding the coup resistance effort. Radio Moscow's role changed, however, once the coup collapsed. CBS Radio News, for instance, played Radio Moscow excerpts verbatim as various decrees and actions were taken by Gorbachev upon his return.

For the second time in eight months, shortwave radio and international broadcasters have proven their importance in reporting world news and shaping world opinion. With the increasing spirit of independence within the constituent Soviet republics, the next few months may prove very interesting in the creation of new English-language services coupled with potentially significant changes in the scope and mission of Radio Moscow.

Stay tuned....

Radio Japan

Even though most recent newsworthy world events have been played out on a European stage, Radio Japan represents an important force in international broadcast radio. Ian McFarland has graciously provided some background information on Radio Japan; I'll excerpt some schedule and program highlights in this column.

Science On Shortwave

Much of the member feedback I receive concerns different program types - for instance, programs on music, language, the arts, and this month's feature - science. Radio Deutsche Welle has included reporting on matters of science and technology in its UTC Friday releases of Transatlantic Diary targeted to North America. The September/October issue of Deutsche Welle's program guide "Tune In", just received last week, could result in some changes. "Transatlantic Diary" will now be merged into "European Journal" to provide a more seamless program with a single host for the entire transmission after the news bulletin. UTC Fridays, 0100, 0300, and 0500 UTC. Other Deutsche Welle releases, including the 1500 and 1900 Africa/Middle East releases, have a program entitled Science and Technology in their Friday releases. The 0200 South Asia release has this program on Monday, while the 2100 Asia/Pacific release has Science and Technology on Sundays.

Radio Netherlands' science program is Research File, UTC Tuesdays in all English releases, including those targeted to North America at 0030 and 0330. Research File covers astronomy, medicine, consumer technology, and the environment. Listener suggestions on topics are welcomed at the usual Radio Netherlands address.

Radio Canada International, in times past, featured Quarks and Quarks, but I

frankly haven't received a detailed program listing for RCI since their April 1991 downsizing. While traveling recently in central New York State, I caught *The Best of "Quirks and Quarks"* Saturday 1615 on the Toronto CBC domestic MW station. I'll check to see if that time applies to the Northern Quebec SW service and let you know. I've always found *Quirks and Quarks* to be one of the better science/technology programs.

Radio Moscow shows *Science and Engineering* in its North American Service at the following days and times: East Coast release, 2345 Thursdays, 0245 and 2325 Fridays, 0225 Saturdays, and 0010 and 0310 on Mondays. West Coast listeners can try 0445 and 0645 Thursdays, 0425 and 0625 Fridays, and 0510 and 0710 Mondays. These are the days of the week shown in Radio Moscow's schedule, and I've assumed them to be UTC days versus local days. Given political events, these programs schedules should be considered tentative at best.

Radio Australia covers science and technology on *Monitor*. The RA schedule describes *Monitor* as exploring the impact of science and technology on society. As with most of Radio Australia's efforts, *Monitor* looks more closely on Asian and Pacific matters than found on most of the European broadcasters. A recent edition profiled archaeology on giant Australian mammals. Saturdays at 1030; also, Tuesdays, 0730, and Thursdays, 1730.

Radio Australia also has *Science File*, focusing on science and medicine news for the Asia and Pacific region. *Science File* is shown in the RA schedule on 1130 Wednesdays, 0730 Thursdays, and 1430 Fridays.

Innovations is Radio Australia's program on inventions and innovative practices. *Innovations* is scheduled at 1030 Tuesdays, 1430 Wednesdays, and 0730 Fridays.

Radio Japan airs *Science Scene* weekly in five of its *Radio Japan Magazine Hour* broadcasts. Unfortunately, these are the 0500, 0700, 1400, 1700, and 2300 broadcasts, which makes East Coast listening difficult. West Coast listeners should be able to catch the 0500, 1400, and 1700 releases.

Several programs on science and science fiction are featured on the BBC World Service in September. Feature programs are highlighted in September on the BBC

following this section. Regularly scheduled science programs follow.

The BBC's weekly in-depth look into scientific research is *Discovery*, Tuesdays 1001 and 1830, plus Wednesdays 0330. After a summer hiatus, *Discovery* returns in September. Topics include the role of modern molecular biology on West African health care, and the annual meeting of the British Association for the Advancement of Science.

Health Matters investigates medical science and personal fitness, Mondays at 0815 and 1945, also Tuesdays at 0145.

New Ideas provides a window on the world of technology, innovation, and new products. Mondays at 1615, repeated Tuesdays at 0730 and Wednesdays at 1215.

Lastly, *Science In Action* airs weekly on Fridays at 1615 and 2030, plus Sundays 1001.

September on the BBC World Service

Science and science fiction loom large on the BBC this month. *Science or Fiction?* is a six-part series beginning Monday, September 2nd, that looks into scientific research in areas previously only discussed in science fiction novels. Space travel, organ transplants, gene therapy, robots, cryogenic suspension, and alien communications are all areas of scientific research that only used to appear in novels. Mondays, 2315 UTC, repeated Wednesdays at 0815 and 1515. September topics include time travel (2nd), creating new life (9th), space travel past light speed (16th), suspended animation (23rd), and alien communication (30th).

Journey to the Centre of the Earth is a nine-part series also beginning on September 2nd that focuses on modern techniques of geological exploration. This series aired previously, but is now being repeated to mark the publishing of Martin Redfern's book on the subject. Redfern is the host of the program. Mondays, 1445 and 1930, repeated Tuesdays, 0915 and 2205.

Several science-oriented features focus on matters of the sea. The 45-minute *The Long, Dark Journey Back* examines the life story of the European eel, which swims more than 3,000 miles across the Atlantic from Europe to the Sargasso Sea to spawn and die. Monday, September 16th, 0101 and 1515. Mankind's relationship with whales is

explored in the 45-minute **Whaling** hosted by Roger Fenby. It appears the greater threat to whales nowadays isn't the harpoon, but the toxic waste disposer. Saturday, September 21st, 1901, repeated the following Monday, 0101 and 1515.

Aldous Huxley's **Brave New World** is the two-part **Play of the Week** on Sunday, September 15th and 22nd. While many aspects of the 1932 novel may still be fanciful, genetic engineering, test-tube babies, and drug addiction are with us today. Sundays, 0101, 1201, and 1901.

Off The Shelf is a daily 15-minute reading from the best of literature; From September 9th through the 18th, John Scotney's eight-part abridgement of H. G. Wells' **The War of the Worlds** is read by Simon Ward. Monday through Friday, 0430, repeated at 1430.

Ray Bradbury's **The Golden Apples of the Sun** is a eight-story collection presented in four installments of two stories each during September. This appears to be a dramatization, versus an "Off The Shelf"-style reading, but the listing isn't clear. Thursdays in September, at 1130 and 1715, repeated Fridays at 0230.

The game show **Litmus Test** continues, in which two teams of scientists vie for scientific eminence answering scientific questions, earning bonus points for witty or anecdotal responses. The "Pinks" battle the "Blues" Mondays at 1715, repeated Tuesdays at 0030 and Wednesdays at 0830.

In other September highlights -

It's God's World is a 5-part phone-in program with leaders of five major world religions. The guest on September 8th was not confirmed by press time, but Dr. Jonathan Sacks, Chief Rabbi of Great Britain and the Commonwealth, is the guest on September 15th. The Archbishop of Canterbury, George Carey, is the guest on September 22nd. The Archbishop is the leader of the Anglican Church, known in the USA as the Episcopal Church. General Eva Burrows, the senior officer of The Salvation Army, is September 29th's guest.

Here's how you can participate: From

UTC 1100 through 1400, phone (011) 44 71 379 7444 (from the USA or Canada; use your appropriate international code instead of (011) elsewhere) and state your question to the producers along with your phone number. If they choose to use your question, they'll call you back live during the program (1400-1500) so you can speak live with the guest. Abridged repeats will be aired at 2330 and the following Mondays at 0630 and 1001.

If you claim Scottish heritage, check into **Bright Moon Of The Seasons**, a three-part series on Wednesdays beginning September 11th. Nineteenth-century Gaelic prayers, originally passed down orally from generation to generation, have been translated into English and are interwoven with Celtic music. Wednesdays at 0130, 0930, and 1715.

If you're interested in British politics, **People and Politics** explores the conferences of British political parties as they gear up for general elections sometime before June 1992. These "Conferences" are similar to party caucuses here in the USA. Fridays at 2220, repeated Saturdays at 0230 and 1030.

Feedback

Thanks to Charlie Gaharan, of Thibodaux, Louisiana, Sheryl Paszkiewicz, of Mantinowoc, WI, and Ed Mayberry, of Austin, TX for your notes and suggestions.

Ed and Sheryl gave me their favorite BBC program picks, and I'll receive your votes on favorite BBC programs until September 17th. I'll summarize the comments I receive in the October Journal.

Charlie chastised me for not having more information on the Voice of America and Radio Moscow. I've sent out letters to each requesting detailed schedules, but nothing yet.

Larry Nebron E-mailed me on Prodigy with some program tips. Larry also asked for a rundown on tourism/travel programs; if you have any favorites, send 'em in when you send me your postcard with your BBC favorites! I'll have more on tourism and travel in the October Journal.

Until then, 73 DE Richard

African Destinations

Dr. Harold Cones

2 Whits Court
Newport News, VA 23606
Compuserve 71570.411



Well, here it is September again and I am beginning to hear the afternoon African stations. The return of the Africans is a welcome time for me. I must admit, the chase of the QSL fanned my shortwave fires early on. After verifying 214 countries, however, I needed to look in another direction to enjoy my hobby. That is when I discovered that my everyday life had changed and what I was really enjoying about my exposure to shortwave was my "internationalization". First I noticed it by my greatly increased knowledge of geography and a corresponding decrease in tolerance for those who could not even find London on a map (in fact, because of my shortwave hobby, I introduced a geography component in all my courses, and I found that college kids liked and enjoyed it). My tastes in food and drink changed as I tried dishes from Asia, Africa and the Pacific islands. And my selection of radio tuning oils greatly increased. I found myself attending international music concerts, buying tapes and discs by international groups and enjoying introducing my friends to "new music."

The Music Of Africa

Music is the major reason I am happy to see the afternoon Africans returning. As I have discussed in past columns, Africa is an extremely diverse continent, and nowhere is this diversity more evident than in its music. From Agooda, the street music of Sierra Leone, to Ziglibithy, the modernized traditional Ivorian rhythm, each African country provides the shortwave listener with at least one distinct music type (and usually many more).

To most shortwave listeners, all African music is "highlife music." In actuality, this is a dated term from the 40's, 50's and 60's and refers to the once very popular dance music of Ghana and eastern Nigeria (it is not, incidentally, derogatory to use this term in reception reports, as has appeared in print from time to time—not derogatory, just incor-

rect—sort of like reporting rock and roll music when what was broadcast was rap). Africa No. 1 in Gabon is one of the most well-known broadcaster of African music and about the easiest of all to hear (try 9580 kHz between 2200 and 2400 UTC). What they play is not Highlife, as frequently seen in log reports, but rather a blend of African popular music, a sort of "new wave" African music commonly called Afro-pop.

Now that I have developed a taste for international music, I have collected a number of tapes and discs. With a little listening it becomes easy to distinguish more traditional regional African music from Afro-pop blend. Although performed with a more modern beat, juju music, for example, still utilizes the talking drums that distinguish Nigerian

To most shortwave listeners, all African music is "highlife music."

music from other types. The king of juju, King Sunny Ade, can be heard on many broadcasts from the Voice of Nigeria. Try 7255 kHz at the 0430 sign-on. Not all the music you will hear from Nigeria, of course, will be juju, but you will soon learn to recognize it. One of the best examples of juju can be found on King Sunny Ade's "Juju Music" on Island Records. Two excellent recordings that showcase a wide variety of African music are "African Odyssey: Part 1" and "African Odyssey: Part 2." Both may be obtained from Music of the World, P.O. Box 3667, Chapel Hill, NC 2515-3667—ask for their flyer.

Although broadly done and not strictly true (and also depending on who you listen to), within all the diversity of African music, perhaps several hundred different forms, are three easily recognized super-major types.

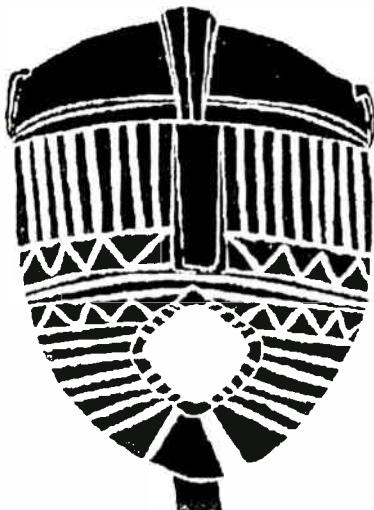
These types can be determined geographically by quartering a map of Africa, with the 15° north latitude line forming one divider and 20° west longitude forming the other. The music of the top two quarters is basically similar, being "arabic" in nature and easily identified by shortwave listeners (and, incidentally, it is derogatory to refer to Koran recitations as "moaning" or "wailing" in your reception reports). Although careful analysis will reveal differences between and within these two quarters, we can consider the music basically the same for this discussion. There are at least two countries in this region that play a lot of music and are easily heard on shortwave, Egypt and Mauritania. Try for Egypt at 0200 UTC on 9475 kHz and Mauritania at about 2230 UTC on 4845 kHz. A good recording of music from this region is "From Nubia to Cairo" by Ali Hassan Kuban on Piranha Records.

The next geographical region for discussion is in the lower left of our quartered map. Music from this region depends heavily on string instruments, such as the Kora, a 21-string harp, to carry the melody (except for juju talking drums and Senegalese sabar—a drum played with a stick and the hand). Drums and percussion instruments are used, but when compared to the other regions, the sound of music from this region is decidedly "softer." The Kora is the chief instrument in much of the music of Mali, Gambia, Guinea and Senegal and is featured on "Alhaji Baui Konte" by Alhaji Baui Konte on Rounder Records. These countries do not have a strong shortwave voice, but try for Mali on 4784 kHz at their 0655 UTC sign-on.

The remaining geographical region has music that generally relies heavily on drums and percussion to carry the melody. The modern music of Zimbabwe and Zambia best typify the music of this region. Both of these countries, unfortunately, are often difficult to hear on shortwave. Since the music of this region is considered by the average person to be "typical" African music, there may be a number of good recordings avail-

able in your local library. Two to look for are "Heartbeat Soukous" on Virgin/Earthworks records and "Zimbabwe Frontline," also on Virgin Earthworks.

Once you begin to enjoy African music



and come to know its sound, listen to the music of South America and the Caribbean. You will notice great similarities, both in sound and melody, and may find difficulty in being able to distinguish the two. The next step then is to compare all this music with Asian music and your discovery will be complete; rather than strict, unrelated local music, there is indeed world music, with local variations.

Every Dxer should strive to better understand their target. To carry over shortwave listening to your daily life, learn to enjoy an aspect of African culture by listening to the sounds of Africa. Most public radio stations carry "Afro-pop Worldwide" at sometime during the weekend and I think you will not only find this program enjoyable but also educational. Allow shortwave radio to expand your life, you will like it.

NOTICE PLEASE

BECAUSE OF A COMPUTER BREAKDOWN AND KEVIN ATKIN'S VACATION SCHEDULE, WE DO NOT HAVE A "DXER'S FORUM" COLUMN THIS MONTH. KEVINS'S COLUMN WILL RETURN NEXT MONTH.

Listener's Library

John Bryant, AIA

Route 5, Box 14

Stillwater, OK 7404

Compuserve 74730.2145



Howdy, and welcome back to the Library! With September, the DX season is upon us and it makes sense to turn our thoughts to antennas before winter arrives. Since I became radioactive again some 12 years ago, I've made an effort to educate myself about antennas. In the process, I've bought and used most of the general antenna books published in the last fifteen years -- now a foot-high stack.

ANTENNA BOOKS GALORE!

Before I start, I should say that I have never in the past been a great fan of antenna books written for radio amateurs. I have felt those books placed far too much emphasis (for my needs) on antennas primarily designed for transmitting rather than receiving. It seemed that the few wire listening-oriented antennas presented were after-thoughts and generally out-dated designs. The few "good" things for SWBC DXers in the ham books were not worth paying for alla that other stuff.

Luckily, I manage to drop in at Universal Shortwave in Ohio about once a year and the first place that I head is their extensive book rack. If I had not been able to do some in-depth hands-on browsing there, I don't think I would ever have changed my attitude about amateur radio antenna books. THOSE HAM ANTENNA BOOKS HAVE REALLY CHANGED! The reasons for the change are probably numerous; I'd guess that the activity in QRP DXing (flea power transmitters) has rekindled interest in both big league receivers and in excellent receiving antennas. Probably the move to 160 Meters (1.8 MHz) by many long-ball hitting hams also played a part. For whatever reason, there is a treasure trove of RECEIVING antenna information in the amateur press today.

If you are interested in antennas, I think I'd serve you best by taking you through my own library. Please keep in mind that this is one man's opinion and that I am biased toward the Tropical Bands, though I do SWL the International Bands regularly. If I were marooned on a desert island and could only have one antenna book, it would be:

The ARRL Antenna Book.

The ARRL Antenna Book, 15th Edition, was published in 1988 and is currently available soft bound for an incredible low \$18.00. This book

is 8 1/2" x 11," soft cover, printed with small type and has over 900 pages! If this were a textbook and sold at university bookstores by "normal" publishing houses, it would cost \$60 MINIMUM. I cannot believe that the ARRL is breaking even on this beauty. Some radio amateurs have decided not to buy the 15th edition (1988) because they have the 14th (1985) and "the ARRL just updates these things a little with each new edition." Let me tell you, the 15th Edition is well over twice as thick as the 14th and uses the same size print! For us SWBC types, *The Antenna Book* offers extensive sections on:

Propagation - EXCELLENT
Antenna Theory - EXCELLENT
Receiving Loop Theory - GOOD
Limited Space - DECENT
"Hidden" Antennas -DECENT

We should also be interested in the sections on Directional Phased Arrays that many amateurs are using even on 160 Meters. There are also excellent sections on Multi-Element Wire Antennas and on Small Direction Finding SW Antennas. This book is sold by most of the major SW supply houses and by the ARRL itself. Call 800-325-5446. If you don't purchase this book right away, at least spend some time with it when you are next in an amateur radio store. Make sure you are looking at the 15th Edition.

EASY UP ANTENNAS

Easy Up Antennas for Radio Listeners and Hams by Ed Noll is one of the three books that I wrote about last fall as being out of print and a great loss to the hobby. I learned several months ago that Universal Shortwave thought so much of *Easy Up* that they "stocked up" when they heard the same news. They may still have some at the normal retail price of \$16.95. Call 800-431-3939. Honestly, Ed's book is my all-time antenna favorite. He has built and tested every design and almost all of the antennas may be constructed by one person with a screw driver, hack saw, hand drill, PVC pipe and wire. In 157 8 1/2" x 11" pages, Ed not only covers all of the "standard" wire antenna types (dipole, sloper, random, etc.), but many innovative variations that he developed over a career of antenna. I particularly appreciate all of his work with coil-loaded antennas already designed for

SWBC, rather than amateur bands. He even covers MW antennas, both "normal" and coil-loaded wire designs. The first 100 pages of the book are "SW Listener Antennas" but don't ignore the last 57 pages of *Antennas for Radio Amateurs*. Many of those antennas are innovative designs applicable for our uses, too. I have no idea if this book will ever be reprinted. If you think you would ever be interested, RUN to the phone and order it TODAY. I'd suggest checking with Universal. If they are sold out, the Ontario DX Association and/or CQ Bookstore may each have some squirrelled away.

HF ANTENNAS

HF Antennas For All Locations by L.A. Moxon, G6XN, is the third antenna book that I'd take to that desert island. It is an "A4" (sorta 8 1/2" x 11") soft cover book of 257 pages and is/was published by Radio Society of Great Britain (Lanida House, Cranborne Rd., Potters Bar, Herts, ENG 3JE, Great Britain) in 1982, 86, 87...It was available from several SW outlets in the U.S. at least at late as 1989. Les Moxon is highly regarded in both professional and amateur circles for his original thinking about antennas and propagation. The first 150 pages cover those issues and are both readable and very informative. Mr. Moxon is particularly well known for his theoretical and experimental work related to the influence of the immediate surroundings on antenna performance (sloping sites, cliff sites, seashore, etc.). He covers some innovative receiving antennas that I have not seen elsewhere. If you want this book you might try writing the publisher or use your local library inter-library loan service. *HF Antennas For All Locations* is especially good if you are wondering what weird things your non-flat site is doing to the receiving patterns of your antennas.

MORE FROM ARRL

In 1985, the editors of QST published *The Antenna Compendium Volume I*. This 8 1/2" x 11" soft cover book has 170 pages of antenna articles that were submitted to *QST Magazine*, that the editors could not find room to print. These articles cover highly innovative antenna designs or interesting antenna theories. Though all are thought-provoking, only about 1/3 of the articles in *Volume I* have direct applicability to our needs: "Cage" Dipoles, The Famous G5RV antenna, several interesting verticals, a Crossed Loop/Goniometer DF Antenna and a Sub-Surface Antenna (YES!).

ARRL published *Volume II* in 1989. Because it contains far fewer articles on Yagi-type beams, cubical quads and UHF/VHF antennas, fully 2/3 of *Volume II* has direct application to

our interests. There is an outstanding 50-page section on innovative verticals and phased vertical arrays (we oughta look into that concept!), good articles on antenna matching, some interesting antennas constructed exclusively from coax, articles on balloon and kite supported antennas and good propagation articles. Neither of these books is for the total beginner. However, if you like to play around with antennas, you will find each of these books very interesting and well worth the price (Vol. I: \$10.00, Vol. II: \$12.00) at most hobby outlets or from the ARRL.

After those five excellent general antenna books, my (not complete) collection falls off rapidly in either SWL applicability or in quality. The three remaining general antenna books that I own are:

WIRE ANTENNAS

Simple, Low Cost Wire Antennas for Radio Amateurs by the well known William I. Orr, W6SAI and Stuart D. Cowan, W2LX, is just what the title states: very broad coverage to most of the simplest wire antenna designs. Most of the antennas are resonant types designed for the amateur bands, and since (to keep it simple) the authors do not provide many design formulas, the book is of limited use for us SWBC types. It does contain 20 pages of innovative "invisible" antenna designs for apartment dwellers. Try inter-library loan if you are interested.

TAB BOOKS

I cannot under any circumstances recommend *The Shortwave Listener's Handbook* by Robert J. Traister (TAB Books). I bought this book sight unseen...don't make the same mistake. It is normal paperback size, 200 pages and sells for \$12.95. As far as I know there is nothing technically incorrect in the book, and the author does provide drawings of many of the standard type antennas. A few even have proper dimensions for the SWBC bands. However, the book is so general and so simplistic that almost any beginning hobbyist would "outgrow" it in a matter of weeks. A beginner's \$13.00 would be better spent on almost any other hobby book in print!

The Antenna Construction Handbook for Ham, CB and SWL by Rufus P. Turner, is also published by TAB Books. It may not still be for sale. (I certainly hope not!) I bought mine for \$6.95 in 1978. It too, is so elementary and so general that it is only suitable for the earliest beginner and is even then it is not a good investment.

Since most of us must buy our hobby books by mail, I am especially bitter that these books are

titled "Handbooks." In normal English usage, that term implies a general book that will SERVE AS A REFERENCE FOR MANY YEARS. Not to be absolutely fraudulent, these books should at least be titled "Introductory" or "Beginner's." Even then, I would give both poor marks. I am doubly sorry that several otherwise reputable shortwave hobby outlets apparently do not screen their catalogue offerings more carefully or describe these books more honestly.

F*L*A*S*H

BEVERAGE ANTENNA BOOKS

The Wave or "Beverage" antenna is a low long wire at least 1/2 wave length long, usually measuring 500' to 1000' and may be thought of as a "poor man's radio telescope." These wonderful receive-only(?) antennas were developed by a team led by Dr. Harold H. Beverage later the Vice-President for research at RCA. The Beverage team's work was first published in the early 1920's. Due to the large acreage these antennas require, wide interest in the Beverage antenna largely died out after WW II in the era of ever-higher power transmitters.

The antenna was sort of rediscovered in the late 1960s by the MW DX community. The rest of us came aboard with the DXpedition movement made possible when major DX receivers came on the market that could operate on 12 vdc. My happiest and most productive DXing hours have almost all been spent at the end of a Beverage antenna.

There are numerous articles available in the radio amateur press and both of the North American MW clubs (IRCA and NRC) have extensive information available on Beverages designed for MW frequencies. As far as I know, there are only two books in print that deal exclusively with "Beverage" or Wave antennas. By far the best is *The Beverage Antenna Handbook, Second Edition* by Victor Misek, P.E., W1WCR. If you are at all interested in this almost mystical wave antenna, THIS IS THE BOOK TO HAVE. Since it is no longer carried at our normal hobby outlets, I thought that it was also out of print. However, I have discovered that CQ Bookstore (800-457-7373) still carries it for \$14.95. Misek has surely done more experimenting with using Beverage antennas at shortwave frequencies than anyone else except maybe Dr. H.H. Beverage himself. Misek's documents experiences with Beverages THAT WORK as high as 7 MHz . . . hopefully putting to rest that old saw about these antennas only working on MW and below. *The Beverage Antenna Handbook* contains many tested designs for a wide variety of Wave antennas. Most of the

book is spent giving designs for two-wire wave antennas with steerable nulls. With these beauties, you cannot only hear more of what you want to hear, but you can often steer a null over to the right part of the sky to zap those signals that you DON'T want to hear. Misek even shows a design for a "Micro-Steerable Wave" antenna as short as 60', center-fed. The book is 80 pages long, with large type and many diagrams. Normally, I would say that \$14.95 is too much to pay for this 8 1/2' x 11" comb-bound book. In this case, it is a small price to pay for so many designs that are the result of at least 15 years of development.

The only other "Beverage" book that is currently offered is *The Wave Antenna for Reception of Medium and Long Wave* by Walter J. Schulz, DL/K3UQF. This small booklet, soft bound, 6" x 8" is less than 1/8" thick, has 36 pages and sells for \$7.95 + HANDLING (for 36!!! pages). It is advertised as a "Gilfer Exclusive." I CANNOT RECOMMEND THIS BOOK AT ALL. First, the designs presented are thirty years out of date, technically; secondly, as the title states, the book only deals with wave antennas designed for MW and LW. If your interests are in that area, contact NRC or IRCA for much more and much better information for less money. If your interests lay at shortwave frequencies, this book does not claim to address your needs, and it does not.

*F*L*A*S*H*F*L*A*S*H*F*L*A*S*H*

A "reliable source" had told me that Ray Moore was not going to reprint the First Edition of his wonderful *Communications Receivers: The Vacuum Tube Era* (reviewed last month) and that he wouldn't publish a revised Second Edition. Boy, was my source wrong! The new 2nd Edition with three times as many pictures is now available for \$17.95 + \$2.50 S&H to US+Canada from RSM Communications, P.O. Box 218, Norwood, MA 02062. I've mailed my multi-copy order and will review next month. SUPERB BOOK! Also late breaking: The ARRL has released the 16th Edition of *The Antenna Book*!!!

SPECIAL NOTE:

I would like to plan another antenna feature for next February. There are several recently published antenna books that I do not have (my wife won't believe that!) and that I'd love to include if reviewed by YOU. These include: *Novice Antenna Notebook* (DeMaw), *WIFB's Antenna Notebook* (DeMaw), and *Antenna Impedance Matching* (Caron.) There are others, I'm sure. If you would like to help us compile a second look at antenna books, please send me your review (done from the viewpoint of the SWL/ SWBC DXer) by early January. THANKS!!!

Listener's Classroom

Dr. Charles A. Wootten
6113 River Road
Matoaca, VA 23803-8048
CompuServe 76476,1556



For a long time the two logging systems discussed in the last issue seemed sufficient until the day came where I could not remember who was who and what was what. This in spite of the various country lists.

This set of logs involves the use of larger index cards (6x4) and a metal filing box. I simply listed all the countries I have logged on a separate card. They were then filed alphabetically within the divisions shown in the NASWA country list. On each card, then, are listed the stations I have heard, one to a line, by call name or call letters. Those from whom I have received verifications are checked off in red ink.

Other logs have been used over the years to meet specific goals or situations. One such was the "wish list." It was just a sheet of paper listing five to ten countries or stations that I would like to hear. I would use all available resources to track the times that most DXers reported hearing them and gauge my listening times accordingly.

Verifications

Most of those who tune the bands do so for one of two primary purposes: either for program content or for the more technical aspects of a "catch." The latter purpose is particularly characteristic of the breed known as the DXer. After logging the "catch" the DXer's aim is to receive a verification, or confirmation, of the reception. This is simply a statement from the radio station that the DXer was tuned to its transmission. This is known as a QSL.

For several years now, mainly because of budget crunches, many once easy to verify stations now send a generic card (no data) or do not reply to reception reports. Unless a DXer knows for sure that a station simply will not reply, then the QSL card becomes a goal.

To receive the QSL from the station, the

report needs to get there. The report offers such details as program content (in detail), reception conditions, and what the DXer used to receive the broadcast. Generally, shortwave stations are interested in knowing how their signals are being received in different parts of the world, at different times, and on different frequencies.

Sure, paid monitors offer the same information with a bit more detail added. But, the goal of the station is to reach the "average" listener. Comments from such listeners are truly invaluable to the planning of the station.

Most DXers value and treasure their QSLs highly, because they are not only documented proof of their individual DX catches from all segments of the globe, but are also colorful and exotic conversation pieces among DXers and non-DXers alike. (I'm quite sure that the CPRV folks would like mine, but they'll have to wait a little longer!)

Then there are the many stations who really have no interest in knowing how their signals are being received in other parts of the world. These are stations who broadcast to a local audience, particularly in South America. This is where the fun comes in. It is one thing to write a report to a station who is beaming a program in your direction, but the challenge to convince the Chief Engineer of a local area station to send a QSL is another story.

If, therefore, some large broadcasting stations have not been answering reports, then the problem may lie solely within the reception report. There is a definite art to sending reception reports, and for a too-long period there was the tendency to send handwritten, hastily prepared notes fired off in rapid succession. This tendency toward poor reporting led to impoverished relations between the listener and the station. This led to equally poor QSLs being issued. 73's

Feature Article

To submit feature articles, contact

Dr. Harold Cones, Editor-in-Chief

2 Whits Court, Newport News, VA 23606

Destination: Bonaire

by: Paul Graveline

Imagine a tropical island where you can relax in glorious sunshine, dive in some of the best clear water conditions in the world and visit two of the premier shortwave transmitting sites in the Western Hemisphere. Such a place does exist and it is called Bonaire. Where else can you sun on the beach while gazing across the pristine water at the beautiful sight (to an SWLer) of Radio Nederland's Bonaire relay site.

Located in the group of Dutch islands just off the coast of South America, Bonaire is home to the transmitting facilities of both Trans World Radio and Radio Nederland. My April visit to Bonaire was sparked when Chuck Roswell, host of Trans World Radio's "Bonaire Wavelengths" program, spoke to our local club in Boston last December.

TWR has both studio and transmitting operations on Bonaire. Their studio building in which live and taped shows are produced is situated just north of the picturesque little island capital of Kralendijk. One studio is large enough to accommodate a small orchestra and is equipped with acoustically adaptable walls.

Since TWR is basically a missionary station, almost all of the station personnel have to be supported by contributions. But despite being a religious broadcaster, TWR's program schedule contains a fair amount of live news and nongospel oriented program-

ming. Of special note to DXer is Chuck Roswell's "Bonaire Wavelengths" broadcasts on Saturdays. I had the pleasure of being interviewed by Chuck on the program. Interestingly enough, Chuck and I were listening to the first broadcast of that show at 1130 UTC on Saturday while I was at the airport waiting to catch the plane home. Later that night, I taped the rebroadcast at 0330 from my home in Massachusetts!

The TWR transmitter site is about six miles from the studios and is located next to the salt flats. What a place for a transmitter - in a salt flat surrounded by water. No wonder their 800 kHz. signal gets out so well. The fact that TWR is running 500 KW also helps. With only 700 KW input, the operation is very efficient. I didn't dare ask if they had to buy the small AC adapter separately or was it supplied with the transmitter? Somehow that question didn't seem appropriate!

They have just introduced a new antenna switching system. Previously a staff member had to go outside to make a mechanical change

using a wooden pole (no aluminum baseball bats allowed in this league) but now switching can be done electronically from inside the transmitter building. Beside the medium wave 800 kHz antenna, they also have HF arrays for North, Central and South America.

Located only about 40 miles off the South American continent, Bonaire provides excellent shortwave access



to both continents. Being an island facility, TWR must virtually be self sustaining. They have steel fabrication experts to maintain the towers and two huge diesel generators to feed the station's hungry appetite for electricity. You can't call an overnight delivery service for a quick replacement part.

Bonaire also sports the North American relay for Radio Nederlands. At one time RN bought time from TWR but eventually liked the idea of a Caribbean relay so much that they constructed their own antennas. I didn't get the chance to visit the RN transmitter building but conducted an extensive visual check of the antenna farm. It is quite impressive with extensive curtain type arrays. Apparently target areas from this location include North and South America, West Africa and the Pacific region. The site is easily seen from the air when approaching Bonaire's Flamingo Airport. The massive red and white tower structures are quite a contrast to the blue water and green of the island's north coast.

The transmitting sites of TWR and RN are quite different. Clearly the RN one is the more prominent of the two. I was told that the difference relates to the fact that RN's target areas are more precise than TWR whose arrays are designed to cover a wider area of each continent. There is a RN building about a fifth of a mile from the TWR studios. At one time RN stationed announcers on Bon-

aire but now the building it is only employed to downlink satellite signals from Hilversum.

If you're thinking of visiting Bonaire either as an SWLer or DXer be sure to contact Chuck Roswell of Trans World Radio. Chuck will be glad to arrange a tour of the TWR studios for you but he has also arranged with some local hotels for some extremely favorable rates (actually dirt cheap) from April to December. Since the Bonaire's year round weather doesn't really change much, almost anytime is a nice time of visit Bonaire. Where else can you have fun in the sun and enjoy visiting two impressive shortwave facilities.

Paul Graveline, K1YUB, is a frequent contributor on shortwave listening to the "Wireless Bitstream", the newsletter of the Boston Computer Society's Amateur Radio Special Interest Group. He is also editor of the Caribbean Travel Roundup a newsletter available on Compuserve and other electronic information services.

Contact can be made through:
9 Stirling St., Andover, MA 01810-1408
Home 508-470-1971
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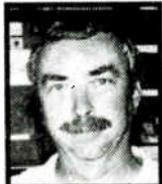
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NASWA Portraits

Jerry Klinck
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For those of you who may have noticed my lack of participation of late, in any sections but this one, it is because I am currently going through a total renovation of my house and am currently "shackless" and without much time for SWL. I am doing most of the work myself and my DX activity has been limited to brief listenings in the garage on a recently purchased 2010 and a bit of wire strung to the ceiling. It serves to keep the fire alive until later this fall when I hope to set up again in a totally new radioroom with all the amenities. I miss the "full scale" DX activities and all that goes with it. O.K. Enough of my situation! Off we go to the fine community of Attleboro, Mass. and fellow NASWAN Joe Norcott....

"My interest in SWL goes back to the late sixties with a Radio Shack SW radio tube kit. I eventually lost interest in SWL when I attended college but I was active in FM radio as announcer and DJ on the local college radio station covering a good part of Rhode Island.

"It wasn't until 2 years ago, when I read an article on the new digital receivers, that the SWL bug bit me again. I received the November issue of FRENDX and then my Sangean ATS 803A the day before Thanksgiving. It was an exciting time for me to hear the Eastern Block countries throw out their governments. (nice timing! ed.) Since then I have also added a Skywire and a TUN-3 mini-tuner which enables me to hear many more distant stations.

"I then started sending out letters requesting program schedules and have heard my letters read over Deutsche Welle and Radio Berlin Int. I also have a few QSLs in my SWL collection. "Shortwave listening has extended to my family. My wife Delores and I listen to many radio programs and I also enjoy DXing weak stations and pirates. We like the RCI comedy programs and my two sons; David, who is 7 years old (environmentalist) and Danny who is 4 years old (music lover) have heard many countries and learned where they are on a map. [we will all be buying new maps soon, I think - ed.]

They especially like looking at the SWL mail that we have received. I hope that their interest continues because it makes it that much more enjoyable.

"One great aspect of this hobby is that you can just turn it on and enjoy it. We even take the radio camping. [mini-DXpeditions? - ed.] There isn't too much else to listen to in the evenings other than shortwave, in the northern areas of New England.

"I would like to see some articles on SWL with your family. How about a childrens' DX contest? I also would like to hear from other members in my area. They can write to me at: Joe Norcott, 20 Black Oak Drive, Attleboro, MA 02703."

Joe also says he likes reading the column and finding out what the other members are like. Thanks for the kind words and interesting idea, Joe. I'm sure Headquarters will be giving it some thought. It's nice to see SWL is such an integral part of the family...I wonder how many others have been lucky enough to be able to enjoy this.

Since we have the space, I will ask again for your profiles. We are running a bit thin and would appreciate hearing your story. If at all possible, include a photo of yourself with or without your equipment, as this adds a nice dimension.

In going over Joe's letter it brings to mind great similarities in how a lot of us started out. For instance, the SW radio kits of the fifties and sixties as those from Radio Shack and Allied Radio's "Knight Kits". I wonder how many of us began with those? And the "big walk-in closet" off the bedroom which was to be our first "shack". The warmth and wonderful smell of those tube giants, hot in more ways than one. And how many of us glued (horror) our first QSLs to the wall for all to see. We were so proud to have them adorning the shack, we never thought of the damage we did the cards. And I wonder how many others had an older family member who was amazed when they pulled up a chair and were able to listen to programs from the "old country". I wonder at the similarities...till next time, 73 to all!

Special Feature

To submit feature articles, contact
Dr. Harold Cones, Editor-in-Chief
2 Whits Court, Newport News, VA 23606

Foreign Languages And Monitoring

by: Brian Jones

I suppose many DXers bounce around from one aspect of the hobby to another. In my own case I have done my share of "country chasing" and maritime monitoring. At some point, it occurred to me that I could take advantage of the smorgasbord of languages that are offered on shortwave.

There have been articles published on the language aspect of DXing including a good one in the December 1990 issue of NASWA. However they are generally geared for the listener who is trying to identify a station to add to his count or to gather information for

In monitoring, we would be relying on the passive vocabulary.

a reception report. It is possible and very reasonable to go farther especially if you are more of a program listener.

I have seen remarks to the effect of "I don't listen to Spanish (or whatever) since I'm not fluent in it." This is a curious remark since fluency is primarily a reference to speaking. Since this is a listening hobby, speaking is not the issue at all.

It should be apparent that we often read on a much "higher" level of English than we use in everyday speech. Actually a person can be thought of as having two vocabularies. Eric Greenfield in his book Spanish Grammar calls these the "active" and "passive" vocabularies. The active vocabulary is the working vocabulary for everyday use with which the individual has a good facility for speaking and writing. Good language courses are intended to build this vocabulary initially.

In monitoring, we would be relying on the passive vocabulary. This involves words whose meaning you recognize in a context but are not a part of your everyday speaking vocabulary. This is the secret to monitoring in a foreign language. I don't need to be as fluent as the speaker to understand him. I only need to have a passive vocabulary that approximates his active vocabulary. The passive vocabulary will always be larger than the active and is also much easier to build than the active vocabulary. This can be done through listening and reading, especially newspapers to get political terms. Also in the case of Spanish, for instance, there are many words that sound like English words. As a result of all of this, it is quite possible to enjoy a half hour VOA Spanish news broadcast for starters after several months of study and understand quite a bit. Later one could go on to more difficult material such as cultural programming.

How To Get Started

There are a number of ways to get a good start in languages. You could try local colleges and universities, companies like Berlitz or adult education classes. Unless you are trying for a degree, university courses would probably be expensive.

One avenue to explore is self study with tapes. I chose this route to get a feel for how it would work. It's possible in many places to sign up for a class in Spanish. But who would help me with Arabic or Indonesian if I were interested?

I originally chose the Sybervision courses on Spanish. These courses are totally based on tapes and do not include a text. The teaching method, known as the Pimsleur System, is an excellent way to accurately learn a limited amount of Spanish in a short time. Yet the

Pimsleur System uses a lot of tapes to teach and then reinforce its vocabulary so that the total number of words and contexts learned is quite small especially compared to dollars spent. For my purposes, it is just not sufficient; I ended up needing to do additional work in a couple of grammars to get up to speed. For someone who is travelling and only needs a small active vocabulary the Sybervision courses could do well as a "cram course".

Some months ago, the Audio Forum courses were mentioned in the Listeners Library column. I only wish I had known about them before I spent my funds elsewhere. Their full length courses are cassette based but also include hefty texts and yet are pretty reasonable in price. They were developed by the Foreign Service Institute and are serious, professional courses. A friend of mine recently purchased their Modern Russian I with the additional workbook. Based on his initial experience and my inspection, I think I will probably go the Audio Forum route the next time I start a new language or to improve my Spanish. Their address is 96 Bradford Street, Guilford, CT 06437.

I did purchase their book on How to Learn a Foreign Language by Graham Fuller. I recommend it for someone beginning the study of a language especially if they are going to do it on their own. It has a nice overview of how different languages work and includes some ideas for the self teacher.

In looking for another company that sells

Spanish literature, I ran across Schoenhofer's Foreign Books (76A Mt. Auburn Street, Cambridge, Massachusetts 02138). They sent a nice catalog of just some of their French, German, Italian and Spanish books. It contains quite a few titles but that was only part of what they offer in the literature and reference area. They also offer literature in at least 12 languages and language groups according to the catalog. In addition there are learning materials including books and cassettes. Also stocked are reference works on 160 languages!

If anyone else has had success with any courses, books or methods perhaps you could let NASWA readers know.

Good audio in a shortwave receiver is vital for listening in a foreign language. My ICOM R-70 collected dust until I purchased the Multiband AM Pickup Unit from KIWA Electronics. Before that I relied on my Sangean ATS-803. One can learn just how poor the audio on an ICOM R-70 or R-71 is when you try to listen to a foreign language late at night when you're already sleepy. The MAP Unit provides very pleasant audio.

All in all, listening in a foreign language is no simple task but it is far from unrealizable and offers a great deal of satisfaction. Languages can be indispensable in understanding other cultures and as a preparation for travel. The listener could also analyze the content of news and propaganda that others are receiving. All in all, it opens up new areas of listening interest.

FOR SALE: Hallicrafters SX-9 Super Skyrider. Crystal phasing. Tunes .54 to 42 MHz in five bands. Modified with vernier bandspread and overhauled in great shape with manual and schematic, \$125.00. Hallicrafters S-76. General coverage from 1.5 to 34 MHz in four bands. Has AVC, BFO, five-position selectivity, pitch control, and noise limiter. In good condition with manual and schematic, \$100.00. Realistic DX-100. General coverage receiver. Tunes 520 kHz to 30 MHz. Especially good at higher frequencies, \$90.00. Allied (Knight) RF signal generator, five bands, 7.0-112 MHz, 160-1800 kHz. Less probes, \$20.00. Allied (Knight) Tube tester, 600 series. Will test old four-pronged tubes to newest. Metal cabinet and built-in roll chart, \$25.00. Lafayette tube and transistor checker, Model 38-0112. EMC Model 215. Complete with manual and chart. Plastic case and in next-to-new condition, \$35.00. Philip J. Wanat, P.O. Box 354, Northfield Falls, VT 05664. Phone (802) 485-6427 on weekdays 5 pm to 9 pm or weekends from 9 am to 9 pm.

FOR SALE: Braun Station T-1000 HF receiver. Tunes 130 kHz to 30 MHz AM and 87 MHz to 108 MHz FM. Operates on 6, 12, and 24 volts DC, 90 to 150 volts AC, and 150 to 240 volts AC. Each band has 2 RF stages and mixer and oscillator. Has eight SW bands, two BC bands, and two LW bands. Made in 1966 and in very good condition. Also Uniden CF-2021 (Realistic DX-400) portable receiver. Like new. Prices negotiable. William G. Fentress, 12538 Arnsley Court, Herndon, VA 22071. Phone (703) 620-2473 or (703) 876-4255.

Technical Topics

Ted Benson, WA6BEJ
426 East Fulvia Drive
Encinitas, CA 92024



The Capacity to Learn (continued)

It seems that the capacity to learn is matched only by the capacity to goof. Last month we looked at capacitive reactance. And I goofed! My laser printer seemed to have suffered a minor stroke, and forgot how to print the pi (π) symbol (stupid machines...).

DAMAGE CONTROL

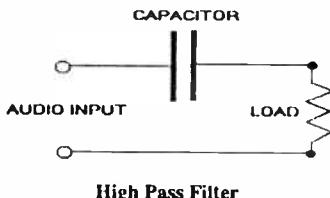
The formula shown for capacitive reactance was missing something: pi. The value for pi (π) is approximately 3.1415, and the correct formula should have been:

$$X_c = 1/2\pi f C$$

Using this formula we can now calculate the value of capacitive reactance for our 100 mfd. capacitor at 1000 hz: 1.59 ohms. So (from last month) the same capacitor exhibits 26.5 ohms of reactance at 60 hz but only 1.59 ohms of reactance at 1000 hz. This is what I meant when I said that reactance was "frequency dependent". A 100 ohm resistor will be 100 ohms at DC, 60 hz, and even 1000 hz, because it exhibits resistance, not reactance. But a capacitor will exhibit different values of reactance depending upon the frequency of the signal it is handling. The capacitor is essentially opposing changes in voltage. The lower the rate of change (the lower the frequency)

the better the job the capacitor is able to do in opposing it.

This phenomenon of reactance can be used to our definite advantage. Say we wish to allow a high frequency signal to get past, but we want to block any lower frequency components in the signal. Sort of an "electronic dissection." We can use a circuit similar to the following:



Note that the circuit we are passing the signal on to is shown as a resistor or load. This is standard engineering jargon, used because the actual circuit following ours is unimportant for our discussion. We can simply assume that it is a resistor.

What is happening here? The capacitor allows higher frequency signals to go through it, but block the lower frequency signals. By using the capacitive reactance formula shown earlier we can decide what value of capacitor we need for the signals we wish to pass.

We can turn around the circuit shown above to achieve the opposite function.

The following circuit will allow low frequency signals to pass, but short high frequency signals to ground:



Low Pass Filter

This time the capacitor allows the higher frequency signals to short to ground, but the low frequency signals are allowed to pass unharmed.

A PRACTICAL CIRCUIT

Here is the circuit I promised you last month. It is very simple. So simple, in fact, that it only uses one component!

The following "circuit" is often used as a cheap and easy hiss filter. Hiss, as you are probably aware, is a mess of very high frequency signals that carry no audio and thus simply confuse things. By placing a correctly chosen capacitor across the audio output line you can short the very high frequency hiss away from your speaker or headphones. The value of the capacitor is not critical, in fact you should experiment with different values until you find the amount of filtering that pleases you. Remember, the higher the value of capacitance you use, the less high frequency audio response you will have. The switch shown in the circuit is optional, and allows you to disconnect the capacitor when you want higher fidelity.



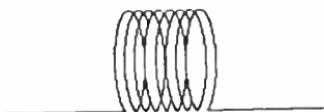
Hiss Filter

INDUCTIVE REASONING

Now that we have had a glimpse at the capacitor, let's look at its complement - the inductor. Inductors come under many different names: coils, chokes, or transformers. But they are all basically inductors.

Remember that a capacitor can be thought of as a charge storing device. It opposes changes in *voltage*. The inductor also opposes change - but it opposes changes in *current*, not voltage.

To understand how the inductor works, look at the following drawing of a coil:

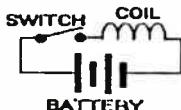


Simple Inductor

As you can see from the above figure, a basic inductor is simply a coil of wire. In practical use the wire can vary from the size of a human hair to hollow tubing several inches thick! Fortunately for us, most of the inductors we use are of the very fine wire variety.

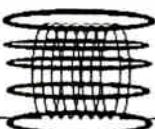
MECHANICS OF INDUCTANCE

Let's assume that we have a coil in a circuit with a switch and a source of DC:



Coil Charging Circuit

When we close the switch, current flows through the coil, creating a magnetic field around it as shown in the following figure:



Magnetic Field Around a Coil

The heavy lines in the above figure represent the field that builds up around the coil as current flows.

A strange thing happens as the field grows: it induces a current back into the coil. But the current it induces back into the coil is opposite in polarity to the one already flowing through the coil! The faster the current flowing through the coil changes the stronger the counter-current the field induces into the coil. Are you beginning to suspect something? Good. Just as the capacitor opposed a change in voltage, the inductor opposes changes in current. The capacitor was better at opposing lower frequency changes, and the inductor is better at opposing higher frequency changes. So you see these two components complement each other.

HOW MUCH INDUCTANCE?

From last month you will recall that we could specify the ability of a capacitor to block signals at a particular frequency. It was called capacitive reactance (X_c). The inductor can also block AC signals - particularly higher ones. Its ability to do this is also specified in ohms, but is called inductive reactance (X_l). To calculate the inductive reactance at a specific frequency you need to know the inductor's value. The basic unit of inductance is the Henry (H), but like the Farad the Henry is a very large value. It is much more common to see values of millihenries (mH) or microhenries (μ H).

Because the inductor behaves just the opposite of a capacitor in terms of frequencies passed, you might suspect that the formula for inductive reactance is the opposite of that of a capacitor. And you'd be right! The formula for inductive reactance is:

$$X_l = 2\pi f L$$

Let's work out two examples. For our first, assume that we have a 100 microhenry coil (0.0001 H). We wish to use this coil in a circuit handling frequencies of 60 hz. What is the inductive reactance? It is 0.037 ohms. What happens if we change the frequency to 1000 hz? Our value of inductive reactance changes to 0.62 ohms. You see, as the frequency goes up so does the inductor's ability to block the signal.

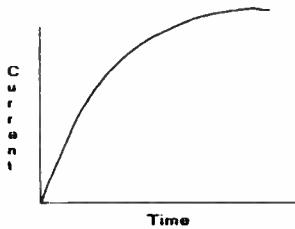
CHARGING AND DISCHARGING

Last month we examined the charge and discharge curves for a capacitor, and learned about the time constant "t." As you may recall, the value of "t" was equal to the product of circuit resistance times the capacitor's value in Farads. It takes about 5 time constants for a capacitor to charge or discharge.

It turns out that the inductor's time constant is similar to the capacitor's. For an inductor the time constant is:

$$t = RL$$

How many time constants does it take the inductor to charge or discharge? Five - just the same as a capacitor! The charge and discharge curves for an inductor are identical to those of a capacitor - with one difference: in a capacitor it is the *voltage* that is being "stored" or "released" (see the following figure).



Charge Curve for an Inductor

In an inductor, it is the *current* that is being stored or released.

TUNED CIRCUITS

As we have seen, the capacitor and inductor are the complement of each other. What happens when they are combined? If the values are chosen correctly, a

very unique circuit - a tuned circuit - is the result. Without tuned circuits we would not have radio or television as we know it. We are going to save the details of tuned circuits until next month, but to wet your appetite, let's look at a little history.

A LITTLE HISTORY

Before much was known about tuned circuits, transmitters were a broadband affair - they simply emitted mass amounts of raw energy. Much of the energy was wasted, since it was spread out over a tremendous range of frequencies. Receivers were equally crude - simply numb energy detectors listening for anything around. Obviously, more than one station couldn't operate in the same area - there was no way to differentiate their signals.

Tuned circuits allowed both selective transmitting and receiving, not to mention such subtleties as wave shaping, signal conditioning, and other electronic advancements.

One of the early researchers into tuned circuits - definitely one of the first and perhaps the foremost - was Nikola Tesla. He found that the values of inductance and capacitance could be calculated and used to design very precisely controlled power circuits.

NEXT MONTH

Next month, then, we'll take a look at the various kinds of tuned circuits, and include details for some practical projects.

73's

- Tel

NASWA Awards

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



GUEST EDITOR: DAVID TURNICK

REPRINT SERVICE

We are giving Rich D'Angelo the month off to catch up on his DXing and tennis game! I would like to apologize for the slow Reprint Service response. Heavy volumes of requests and my work travels has affected the service. Fortunately Bill Oliver, our NASWA Publisher agreeded in the interim to take over the service and will by mid-September completely be caught up. We have had several responses for a full time Reprint Distribution Manager and will announce the new Manager in next months column. Thanks to all the volunteers!

We'll publish the address in next months Journal so please refrain from sending any new orders until then.

NASWA 25TH ANNIVERSARY !!

To commemorate this historic event, the Company Store is offering a reproduction of the August 1966 issue of Frendx and a special NASWA 25th anniversary edition mug.

The mug the second offered by the Company Store, features an original design designed by John Herkimer. It features an the original design developed by Herk with the NASWA Royal Blue emblem over an Ivory background. The anniversary mug is only US\$8.00 in the USA, US\$9.00 to Canada, US\$12.00 to Europe and US\$18.00 to Australia.

The Company Store is proud to offer a reproduction of the August 1966 issue of "Frendx". This first all shortwave edition is copied from an original Frendx bulletin. Due to the aging of the original, the copy will be a little uneven in spots. The 40 page FRENDX look back is available for US\$6.00 in North America and US\$8.00 worldwide.

The mugs and Frendx are currently in stock at the Company Store. These are limited offers; order now while supplies last.

Please forward your orders to the Company Store address listed on top.

Make checks payable to either Richard D'Angelo or the NASWA Company Store.

73-DJT

All Continent "QRP" DXer (lowest Powered Shortwave Station From Each Continent)
Anthony Wermuth, Shelburne Falls, MA 50 KW Endorsement

All American DXer (15 Different Licensed Shortwave Broadcast Stations in the United States, Including Alaska and Hawaii)
Charlie Caharan, Thibodaux, LA

DX Centurion (100 Different Shortwave Broadcast Radio Countries)
Ben Krepp, Watertown, MA

Ecclesiastic DXer (15 Religious Oriented Shortwave Broadcast Radio Stations)
Jack F. Nibecker, Guadalajara, Mexico
Anthony Wermuth, Shelburne Falls, MA

International DX Listener (heard 50-100 150 200 Shortwave Radio Countries)
Anthony Scott Helm, Kansas City, KS 50 Country Endorsement

Master Time Station DXer (20 Different Time Stations, 1 from Each Continent)
Steven R. Lare, Holland, MI

Pirate DXer (10 Unlicensed Hobby Pirate Shortwave Broadcast Stations)
Keith Hill, Corning, NY
Walter J. Karcheski, Jr. Holden, MA 25 Station Endorsement
Andrew Steinberg, Louisville, KY
Paul Lerner, East Meadow, NY
Robert C. Walker, Wixom, MI

Round The Clock Continental DXer (1 Shortwave Broadcast Station In Each Continent Within A 24 Hour Period)
Richard E. Hankison, Prairie Village, KS
John M. Kapinos, Shrewsbury, MA

Senior DX Centurion (150 Different Shortwave Broadcast Radio Countries)
Walter J. Karcheski, Jr. Holden, MA

Senior European DXer (25 Different European Broadcast Radio Countries)
Presley Smith, Dallas, TX

Senior Peruvian DXer (25 Different Shortwave Broadcast Stations from Peru)
Gerry L. Dexter, Lake Geneva, WI 125 Station Endorsement!!!!

Awards Tidbits

A big welcome to Awards Program newcomers Keith Hill, Andrew Steinberg, Presley Smith and Paul Lerner. Also, an extra special welcome to Awards Chairman Emeritus John Kapinos. It's good to see Kap's name in the Journal again! Among Kap's many responsibilities is the review of my award applications. Despite achieving the difficult Master Time Station award, Steve Lare is still hunting for QSL's from ZSC in South Africa, PPR in Brazil and HD210A on Ecuador. He reports needing only one more for the Tropical Band DXer award - good hunting! It's always good to hear from our friend in Mexico, Jack Nibecker. While waiting for QSL's to arrive, Jack helps keep your editor straight, hi! Also, the name Gerry Dexter is familiar but I am having trouble placing it!

Remember, each award costs only US\$2.00 in North America and US\$3.00 overseas (additional overseas awards applied for at the same time cost only US\$2.00 each). Endorsement stickers are available for US\$0.50. International Reply Coupons (IRC's) at a rate of US\$0.50 are also acceptable.

73 - RAD

NASWA Awards Program: Have you sent in an application lately?

the CPRV page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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

Estação Radio Difusora

CR6AA

(Short wave Broadcasting Station)

ENDERÇO: CAIXA POSTAL 103

ABERTURA: P. O. B. M. 103

LOSITO ANGOLA, Africa Oriental Portuguesa

LOSITO ANGOLA, Portuguese West Africa

This veri from CR6AA in Angola (7045 kHz.) is from 1952, but the station commenced operation long before that. Angola eventually became a prime target for east coast DXers. Nothing was quite so exciting as the sound of the Portuguese national anthem, "A Portuguesa," in the late afternoon on 41 or 60 meters. It always meant good DX. +++ For many years the Norwegian student "Uke-sender" transmitted for a few weeks each year on shortwave. I'm not sure if they still broadcast, but I haven't seen any loggings of them (much less QSLs) in many years. Here's what their QSL looked like in 1952. +++ There were a lot more SW stations operating in South America in 1944 than today. Here is a QSL from Radio Cooperativa Vitalicia, Valparaiso. +++ CPRV is happy to hear from people who have, or know the whereabouts of, QSLs in need of a new home. If you are interested in the future of your own QSLs, check our Registered Collections program operated by John C. Herkimer, P.O. Box 54, Caledonia, NY 14423. We will supply stickers for your QSL albums, reflecting the wish that your veries be donated to CPRV when you are no longer able to enjoy them. Full details are available from John or from me (business size SASE, please). +++ Till next time.



COMPANIA CHILENA DE COMUNICACIONES S.A.
RADIOS "LA COOPERATIVA VITALICIA"
LA VOZ DE CHILE PARA TODA AMERICA

Valparaíso, (Chile) S.A.
October 14th 1944

Mr. Paul Kary
153 Supreme Ave.,
Johnstown, Pa.

Dear Sir,

We confirm, hereby, the reception of your report on the conditions of our short wave signals thanking you for our friendly cooperation.

Yours very truly
CIA. CHILENA DE COMUNICACIONES S.A.

GERENCIA GENERAL CASTILLA 38-14
Santiago (Chile)

RR/D/-

A Committee of the Association of North American Radio Clubs

Listener's Notebook

Dan Ferguson
P.O. Box 2604
Dale City, VA 22193
CompuServe 76702,771

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All times, dates, and days of the week are UTC (GMT), dates are MM/DD or MM/DD/YY.

ABU DHABI - English has been extended from 2200-2400 on 13605, 15305, and 17855 kHz.
(AC on DXPL 8/17 via Mike Fern)

ALBANIA - *Radio Tirana* cut its English broadcasts by half 8/2. EE for Europe is at 1730, on 1395, 7155, and 9480; at 2130 on 1395, 7245 and 9480; to NA at 0230-0300 and 0330-0400 on 9580 and 11825; to Afr 1530-1600 on 9585 and 11835. (BBCM on RNMN 8/8 via Mike Fern)

ANGUILLA - Lou Josephs: "Dr. Gene Scott ... is also the current voice that you hear overnight on the Caribbean Beacon." [1610 kHz.]

Jonathan Marks: "Because he owns that station, doesn't he?"

LJ: "That's correct, and there's rumors afloat that he's going to add a shortwave transmitter to that facility."

JM: "Do you know how big, or is it just a rumor?"

LJ: "It's just a rumor, but based on what we've seen in the Caribbean previous to this, I think we'd be looking at a 50-kw or 100-kw transmitter." (JM and friend on Radio Netherlands Media Network 8/15 via Mike Fern)

[You read the straight dope here first, in May. Dr. Scott said on KVOH and WWCR 8/15 that he has in hand \$1,024,000 of the \$1,300,000 he needs to launch the global shortwave relay base on Anguilla. He is gonna *love* being called a rumor.--mlf]

ARMENIA - Armenian Radio is currently heard broadcasting an external service program in Russian at 1400-1500 daily on 6085, 4810, 4040 and 864 kHz. 12065 is also available from 1430. Station announces as "Radio Respublik Armenii". Programming is a main news bulletin, music, talks, interviews and brief news headlines, followed by an announcement that the program would like shortwave radio amateurs to send reception reports while the program is still on the air to the Yerevan radio station UG7GVA on 14175 kHz. (Monitoring research 7/20-26, in WBI 8/9/91)

AUSTRALIA - R. Australia, on new 15365 from 0600 EE, strong since 7/9, //15320, 15240, 17795. Also on new 15170 from 1200 in CC, since 8/14, QRM & het from Tahiti. (Ernie Behr, Ontario)

BAHRAIN - The Bahrain Broadcasting Service in English has been observed on 6010 kHz throughout its broadcast day, 0300-2100 gmt. (WBI 7/26) R. Bahrain is being heard on 9745 kHz. at 0500 and 1400, only in Arabic. EE from Bahrain is only on 6010 kHz. (Roderick Ilman, Sultanate of Oman, and JM on RNMN 8/1 via Mike Fern)

BALTIC REPUBLICS - JM: On Monday night Radio Tallinn had its usual weekly English broadcast on 5925 kHz. Amazing, though, in line with what was going on in Moscow. Radio Riga on nearby 5935 kHz. was active on Monday night and 8/21 again, but the English news bulletins at 2030 failed to appear.

Julius Herrmanns: I am on holiday in Sweden. Last night I tuned in to stations in the Baltic countries. Tonight (8/20) at 9:30 p.m. Radio Vilnius came on on 1557 and 1107 kHz only. No shortwave frequencies were noted. Last night (8/19) I did not notice any shortwave frequencies. The [English?] program was suddenly interrupted at 2146 to give messages in Lithuanian on the situation in Moscow. R. Vilnius now (8/20) has Soviet transmitters on their frequencies to jam them. I noticed on 8/19 that a Soviet transmitter was on 1557 as well.

JM: We tried Wednesday night (8/22) for the Radio Vilnius transmission beamed to North America, but no shortwave signal was noted at all. The fact is, the last few weeks the number of Soviet transmitters carrying the program has steadily gone down, until in the middle of last week (8/14) no shortwave was left at all. In the last few days, Western news agencies have

carried conflicting reports about whether broadcasting stations in the Baltic states have been taken over.

Richard Measham: Taking over a studio doesn't actually put a station off the air, because it's the transmitter that's important. The Baltic stations obviously learned their lesson back in January, with the takeover of the radio and TV center in Vilnius. All three of them have got standby arrangements. We monitored Riga 8/20 saying that they were now broadcasting from a small studio, and apologizing for poorer sound quality than usual. The good thing is that some of the MW transmitters are still in the hands of the republican authorities. (JM and friends on RNMM 8/22 via Mike Fern)

BOLIVIA - *R. San Miguel*, Riberalta, 3310 kHz, heard in Czechoslovakia at 0303 in SP; no signal report given. (Czechoslovak DX Club on DXPL 8/10 via Mike Fern)

R. Altiplano, La Paz, 5044.9, signing on at 1108 with ID and news in SS; "a real lighthouse" in Argentina; solid signals daily even when conditions are poor, according to Julian Anderson; Play-DX (Italy) loggings indicate the station is really getting out. (DXPL 8/10 via Mike Fern)

BRAZIL - Antonio Ribeiro da Motta's 1991 list of Brazilian stations was cut short by President Collor de Mello, who froze his bank account. Ribeiro was able to publish a list of tropical band and shortwave stations (2300-26100 kHz, only); MW and FM were omitted. The following stations act as a network for *Radio Nacional de Amazonas* or *Radio Bras* between 2200-0000. Full schedules are from Ribeiro's list and monitoring by TWR Bonaire's Portuguese staff.

Radio Nacional de Amazonas, Brasilia, 6180 kHz, 250 kw, 0900-0200. *R.MEC*, (Ministerio da Educacao e Cultura), Rio de Janeiro, 9600, 7.5 kw, inactive. [Read by Chuck Roswell as 7600 kHz.] *R.Nacional*, Rio de Janeiro, 9705, 7.5 kw, 0800-0300. *Radio Nacional de Amazonas*, Brasilia, 11780, 250 kw, 0900-0200. [Solid in CA in the mornings] *R.MEC*, Rio de Janeiro, 11950, 7.5 kw, irregular. *R.MEC*, Rio de Janeiro, 17875, 7.5 kw, inactive, but worth checking. ... *Radio Nacional*'s address is Caixa Postal 04-0430, 70332 Brasilia, DF, Brazil.

Ribeiro also has available cassettes of Brazilian station IDs and Brazilian mint stamps. The overseas-postage stamps have no value printed on them because of Brazilian inflation. An s.a.s.e. and four or more IRCs should be sent to: Antonio Ribeiro da Motta, P.O. Box 949, 12201 Sao Jose dos Campos, SP, Brazil. Ribeiro has returned excess IRCs in the past. (Chuck Roswell, Bonaire Wavelength 8/4 via Mike Fern)

R. Novas de Paz, 9515, from 0000 PP rel & hymns to 0229*v, 8/6, ancg wrong call "ZYET26", which belongs to R.Universo; also ancg //6080, where only R. Anhanguera is heard. (Ernie Behr)

CAMBODIA - The *Voice of the People of Cambodia* operates on 11938, 9695 and 1360 kHz, the last two unconfirmed) at 0000-0015 EE, 0015-0030 FF, 0030-0045 Thai, 0045-0100 Lao, 0100-0115 Vietnamese, 1200-1215 EE < 1215-1230 FF, 1230-1245 Thai, 1245-1300 Lao, 1300-1315 Vietnamese. (WBI 8/9/91)

CANADA - The North American Broadcasting Co. plans to build two 250 kw shortwave transmitters at Morden, MB (about 80 miles southwest of Winnipeg) for rental to other SW broadcasters. Edward Ducharme, managing director, says he has found evidence of measurable growth in shortwave listening in North America, thanks to digital receivers. D: "The new interest in shortwave listening in the US is coming from professional people, not radio hobbyists. They are interested in the content, the news and information, to a greater extent than they are interested in the sort of reaction, 'Gee, I heard Radio Whatever last night.' They want the quality to be just like their local radio station. So, when we saw this (on one side?) as a growing trend in the United States, well, we thought, one way to satisfy that requirement would be to offer a high-quality relay service into the United States. So first of all we have chosen the location to be dead center of the border area north of the US"

JM: The NABC intends to charge clients in the region of \$1000 per transmitter hour. That's higher than many private shortwave operators charge in the US. But Ducharme argues NABC's signals will be more reliable, since the transmitters are stronger. The project began in July 1990.

D: "The license application was then heard by a government commission [CRTC?] in Ottawa ... just a couple of weeks ago. We foresee a decision by that commission that will give us a license by the fall." NABC is based in Kanata, ON, a suburb of Ottawa. (JM and Edward Ducharme on RNMM 8/1 via Mike Fern)

- *Radio Canada International* and *Radio Monte Carlo Middle East* have signed an agreement to exchange transmitter time. RCI's Arabic will be broadcast from RMC's 600 kw xmtr on 1233 kHz from 9/5. RMC's Arabic will be transmitted from Sackville at 0300-0315 summer and 0400-0415 winter, on 5960 and 9755 kHz. (Allan Familiant on RNMM 8/8, via WBI 8/16)

Listener reaction to RCI's cutbacks is still coming in; RCI boss Allan Familiant says it's too early to reach a conclusion on how listeners are taking the changes. Many listeners have written to say they don't understand why special programs are no longer being made. Familiant has seen no indication whatsoever that the government might restore funding in the near future. "I'm sure that everybody is hoping that better times are ahead for RCI, but for the present, we're trying to do the best we can with what we're doing." (Allan Familiant and Eric Beauchemin on RNMM 8/8 via Mike Fern)

CHINA - *Radio France International* has a service in French for Australia and New Zealand on 15285 kHz. at 1030-1125; this is a relay via Beijing; no RFI ID prior to sign-off. (AC on DXPL 7/20 via MF)

Chinese IDs - [Warning: spelling is "phonetic as heard", and is a mix of Wade-Giles and Pinyin. Signals were good, but sounds were short. Pinyin was designed to be taught at most academic levels in terms of the (pre-1985) International Phonetic Alphabet. The IPA is used by the Chinese (and by the Russians when teaching Russian, etc.) because each IPA sound can be precisely located within the mouth and throat, and these sound formations can be taught independently of a language. This is why many Radio Moscow announcers have a near-perfect American accent.--mf]

Station ID's in Chinese are divided into two types. R. Beijing is a good example of the simpler kind, which gives the station name, "Chung Kuo guo ji guang bo dian tai." The first Chinese word "Chung Kuo" means China; "guo ji" means international, and "guang bo dian tai" is "broadcasting station" or "radio." It is the official name of Radio Beijing.

"Guang bo dian tai" or "kwang po tian tai" is a very common and important word in Chinese IDs. It is translated "broadcast station." [The separate characters mean, broadly: guang - shelter; bo - spread; dian - lighting; tai - platform.--mf]

Central People's Broadcasting Service [PRC national home service] uses "Chung yan ren min guang bo dian tai" for its ID. "Chung yan" means "Central", "ren min" [written -r- in Pinyin but pronounced -rzh-] means "people" and "guang bo dian tai" is "b.c. station." These terms are easy to find in the IDs of many domestic stations in China, etc. For example, "Heilungjiang ren min guang bo dian tai" for Heilungjiang PBS.

Some stations use only "dian tai" or simply "tai" for "broadcasting station." Some stations use "kwang po kong s'er" which means "broadcasting company" or "broadcasting corporation" in place of "kwang po tien tai."

The second type of Chinese ID starts with an expression equivalent to "This is" In Chinese this is expressed as "Cho ri shih". "The Voice of Free China" becomes "Cho li shih tsu yo Chung Kuo chi shang" "Cho ri shih" or "Cho li shih" means "This is;" "tsu yo" is "free;" "Chung Kuo" is "China;" "chi" is "of;" and "shang" is "voice."

The BBC makes use of another expression, "Min sen tai sho tin da shih". This means "You are now listening to ..." Chinese-operated stations rarely use it. It seems to be a direct translation of a common English ID. The full BBC ID is "Min shen zai sho ting da shi, London BBC Ying Kuo kwang po tien tai" which means "You are now listening to the BBC, the British Broadcasting Corporation in London." (Tooru Yamashita on RDXC 7/28 via Mike Fern)

CUBA - *R. Habana Cuba*'s evening EE svc heard weakly on 11470, 8/6-8. This was a mixer product of 11950 and 11710. Nothing heard on the high side at 12190 kHz. (Mike Fern--CA)

CYPRUS - *Cyprus BC Corp*, from 2215 w/Greek pgm & mx to 2244*, //9735, both v strong 7/28. Sked FRI/Sat/Sun. (Ernie Behr)

ECUADOR - Quito Log Book for 7/27 was a survey of active s.w. stations in Ecuador between 3200 and 6000 kHz., made by Rich McVicar in Quito between 7/12 and 7/26.

La Voz de los Andes, Quito, 3220, at 0158 in Quechua with folk music.

Ecos del Oriente, Lago Agrio, 3270, good signals at 0220; SS ballads, very good signals.

A Voz del Nupo, Tena, 3280, around 0200; folk songs; exc signals, very regular schedule.

La Voz del Rio Targui, Cuenca, 3285, not heard since 5/30, while on the Mt. Cotopaxi DXpedition, at about 2330. On air irregularly; heard in Quito around 2300-0100 when active. Not heard during Ecuadorian mornings.

R. Centro, Ambato, 3290, around 0200; Spanish nx; excellent signals, very regular schedule.

R. Pastaza, El Puyo, 3290; not heard in Quito, but has been heard in Bogota, Colombia, by Rafael Rodriguez R. 4/28 at 2345; SS folk music and complete ID (from Pampas DX for 6/91). Apparently very irregular.

R. Cumanda, El Coca, 3351, around 0230; quite regular lately, good to very good signals.

R. Zaracay, Santo Domingo de los Colorados, 3395, around 0200; political speech in SS; very regular schedule.

UnID, Onya, Provincia Azogues, 4212v kHz, heard at 0027-0306 7/25, in SS with educational program "El Maestro en Casa" (The Teacher in the House). Probably the same show that is produced in Costa Rica and aired on many Latin American stations. ID partly buried under c.w., "transmitiendo con amor desde Onya para todo el Ecuador." [My atlas and WRTH say Canyar is the province and Azogues is its capital. ID does not match any of the listed stations in Canyar province.--mf] [The new station in Onya on 4212 kHz, is unlicensed, according to authorities in Quito. Ecuador's other pirate is R. Gonzanama, in Gonzanama or Loja, on 4271 kHz. Rich McVicar is still digging for pirate gold. (DXPL 8/4 via Mike Fern)]

R. Gonzanama, Loja or Gonzanama, 4271, not heard in Quito since March; look out for them on national holidays. (7/27 was Simon Bolivar's birthday).

R. Nacional Espejo, Quito, 4680, inactive for several weeks, prob awaiting a xmtr part.

La Voz de los Caras, Bahia de Caraques, 4795, at 0215 with pol. speeches; reg schedule.

R. Popular Independiente, Cuenca, 4800, 0200-0230; funeral announcements in SS.

R. Interoceania, Santa Rosa de los Quijos, 4840, at 1255 with folk music; excellent signals, regular schedule.

R. Luz y Vida, Loja, 4851, not heard for a few weeks, but that's the norm; keep watching their frequency.

R. Rio Amazonas, Macuma, 4870, has closed down after 30 years; equipment might be sold to R. Variedades in Puyo, now 1120 kHz, mw only. Still no official word on what happened to R. Rio Amazonas.

R. Centinela del Sur, Loja, on 4890 evenings local time and 4899 mornings; very regular on both frequencies, very good signal.

Emisoras Gran Colombia, Quito, 4911, not heard for a few weeks.

R. Quito, Quito, 4920; excellent signals.

R. Bahal, Otavalo, 4950, at 2315 with SS pgmg; strong signal but very weak modulation.

R. Federacion, Sucua, 4961, at 1236; in an Indian language; very good signals always.

Escuelas Radiofonicas Populares, Riobamba, 5011, at 1300 in SS with news; excellent signals, very regular.

R. Catolica Nacinal, Quito, 5030, excellent signals, very regular schedule, at 1300 with news in SS.

La Voz del Upano, Macas, 5040, at 0230 with light music, time check and ID. Excellent signals, but some audio problems.

R. Jesus del Gran Poder, Quito, 5050, at 1303 with Ecuadorean ballads; excellent signals.

R. Nacional Progreso, Loja, 5061.5 kHz, 0228 in SS with speech, music, and ID as "Sistema de Emisoras Progreso". Very good signals, very regular schedule.

La Voz del Upano, Macas, separate programs on 5965 and 6000 kHz, around 1300. (DXPL 7/27 via Mike Fern)

HCJB produced a limited-edition 60th Anniversary pennant which was offered to the first 500 reception reports received with postmarks between 8/1 and 8/15. Given the state of airmail to Latin America, that's a real game of chance. (Mike Fern--CA)

Escuelas Radiofonicas Populares, 5011, is 1 kw, per letter from v/s Juan Perez Sarmiento, Director Ejecutivo. (Kirk Allen, via NA)

HCJB's ANDEX club recently registered its 8000th member, Robert Schroeder of Watauga, TX. (ANDEX members keep the same number throughout their experience with the club.) (DXPL 8/10 via Mike Fern)

R. Gonzanama, 4271 kHz, heard on 4270.6 kHz at 0215 6/1 in Peru; program "El Noticiero de Gonzanama"; news, mx, good signals. (Pedro Arunategui in Onda Corta [Argentine DX bulletin] on DXPL 8/10 via Mike Fern)

R. Catacocha, pirate on 6580 kHz heard at 0245 in Lima, Peru with poor signals. (Rafael Rojas, Peru, in Onda Corta on DXPL 8/10 via Mike Fern) Buried under second harmonic of R. Centro, Ambato, 3290 kHz, in Quito (Rich McVicar on DXPL 8/10) [WRTH 91 says Sun 0000-0500--mf]

HCJB has stopped its 24-hour SSB xmsns on 25950 kHz because listener reports say signals are now very weak. The transmitter is being overhauled. (DXPL 8/17 via Mike Fern)

HCJB's 60th anniversary contest will close 12/15. The winners of the two grand prizes will receive a free round trip to Quito for a one-week visit, with food and lodging provided at HCJB's expense. Two other listeners will win Sony 2010 receivers. Fifth to ninth prizes are Ecuadorean hand-made weavings. Tenth to 19th prizes are cassettes of Ecuadorean folk music. Entrants should enclose a postcard in each letter to HCJB, giving their names and addresses and the phrases "Happy 60th Birthday" or "Happy 60th Anniversary HCJB". Only one card per letter, please. Each entrant will receive printed contest rules by return mail. Letters should be addressed to: HCJB, English Language Service, Box 691, Quito, Ecuador. (DXPL 8/25 via Mike Fern)

EQUATORIAL GUINEA - R. Nacional, Malabo, 6250 kHz, opens at 0458 with anthem; fair signal but poor audio quality. (AC on RNZI 8/4 via Mike Fern) [WRTH 91 says 0500-0700 and 1800-2205--mf]

R.Africa, Malabo, 7190 kHz, heard with poor signals at 2200. Reception reports may be sent to R. Africa, 10201 Torre Ave., Suite 320, Cupertino, CA, 95014. This is the address of the time broker, who asks \$1 U.S. for postage and handling. (Edward Provinger and Rich McVicar, DXPL 8/10, via Mike Fern) **R.Africa** heard on 7203.3 NF ex 7190, from 2215-2300* with English ID and US-based religious programs. The ID says 7110 kHz. Anthem at 2300 before leaving the air. (Roland Schultz, Germany, in Fine Tuning on DXPL 8/17 via Mike Fern)

ETHIOPIA - Addis Ababa on 9560 kHz has English from 1300-1400; also on 7165 kHz. (Don Rhodes, Melbourne, via AC on DXPL 7/20 via Mike Fern) English at 1525 on 9560 kHz. (DX Post, India, date not given, via AC on DXPL 7/20 via Mike Fern)

The *Voice of the Broad Masses of Eritrea* has changed since the EPLF forces took control of Asmara and the Eritrean hinterland. Signals are now marked by good modulation and stable frequencies. Only 7020 and 7490 kHz are in use from 1400-1700 in vernaculars. Outlets on 3, 6, 10 and 14 MHz have disappeared. Reception on 40m is very good in Sri Lanka. (VG on RNMN 8/1 via Mike Fern)

An anmt on the *Voice of Ethiopia National Service* stated that from 8/10 the *Voice of the Tigray Revolution* will broadcast from Addis Ababa on 49, 44, 41 & 40 meter bands at 0400-0500 & 1600-1700 on "usual frequencies". Also announced *Voice of the Ethiopian People for Peace, Democracy and Freedom* and the *Voice of the Broad Oromo Masses* will resume operations in a few days. (WBI 8/16)

The Organization of African Unity will establish its own station at Addis Ababa, to begin broadcasts in English, French, Hausa, Swahili and Arabic. (WBI 8/9)

FINLAND - In order to increase the information available to Finns in the Soviet Union, *Yleisradio* will broadcast non-stop programs from 0330-1600. Normally there are four hours of Finnish programs daily. *Yleisradio*'s RR language broadcasts have not been increased. (WBI 8/23)

GERMANY - German TV reported the week of 7/29 that prime ministers of the 16 German federal states have not yet reached any decisions on the future of broadcasting in Germany. There are still differences over the structure of the ZDF (Second German TV). The Bavarian government wants an all-European news channel, but other states are opposed. No decisions about the new broadcasting bill (which would affect Deutschlandfunk and RIAS) had been made. The prime ministers will meet again at the end of August, because they want the new German broadcasting law to take effect Jan. 1, 1992 if possible. The backers of the news channel would be competing for satellite audiences with Deutsche Welle and Deutschlandfunk who both got their birds early. (Julius Herrmanns and JM on RNMN 8/1 via Mike Fern)

Bayerischer Rundfunk, Munich, 6085 kHz, heard at 0257; poor signals, but clear ID, just before Deutsche Welle took over the channel in EE at 0300. (Edward Provinger, Biddeford, ME, on DXPL 8/10 via Mike Fern)

GEORGIA - *Radio Georgia*, 11760.2v, from *2000 IS & EE pgm, 2030 IS & RR talk, 2050 unintelligible; fuy varies to 11760.13. (Ernie Behr)

GUATEMALA - *TGTZ, R. Tezulutlan*, Coban, 4835 kHz, heard in New Zealand at 1100 with marimba and gospel messages in SS; good clear signals, easiest Guatemalan to log down under. (AC on RNZI 8/4 via Mike Fern)

R.La Voz de Atitlan, Santiago Atitlan, 2390 kHz, (tentative) heard weakly at 1200 at Tiwai DX Camp site with religious programs just before sign-on of R. Huayacocota (see below). (AC and Steven Grenier on RNZI 8/4 via Mike Fern).

INDIA - *All India Radio* is giving a new look to its EE & Hindi morning nx. From 8/16 the main morning news will consist of a news bulletin, a commentary on a topic of current interest and a glimpse of national newspapers. The Hindi & EE news will be 15 minutes each instead of the current 10 minutes. (WBI 8/23) *AIR*, Madras, 4990 kHz, heard in Quito at 0000 5/30 (Ken MacHarg); heard in Illinois; carrier at 2346; IS at 2358; opening anmts at 0000. Magnetic storm began earlier same day, signals better than usual. (Gene Pearson, Fine Tuning, on DXPL 8/17 via Mike Fern)

INDONESIA - A verification letter in Indonesian from RRI Palangkaraya on 3325 kHz gives its power as 10 kw. Veri signer's name could not be read. *RRI Jambi*, 4926, heard with Indonesian music to 1200, then news relayed from Jakarta. *RRI Menado*, 5988, at 1120 with probable Koran, news from Jakarta at 1200; a clear signal when VOA Delano leaves the air. (all from AC on DXPL 7/20 via Mike Fern)

RRI Sorong heard from 2000-2100 in Australia in early July on 4874 kHz; lagu pops and EE rock. (Don Dyson, West Kempsey, Australia, on RJDXC 7/28 via Mike Fern)

RRI Bukittinggi on 4433 NF, possibly ex 4910, 1200-1830*, //3231.9 w/blocks of ads, nx 1400-1410, 7/25. (Craig Tyson, via ARDXC's ADXN)

RRI Padang appears to s/off 1600, then *1700 for an early morning px, 7/19. (Craig Tyson in ADXN)

IRAQ - R.Baghdad has resumed EE, FF, GG and RR on FM in the capital area, according to BBCM. (JM on RNMN 8/1 via Mike Fern) Its Arabic service is heard on 3980 and 4600 in Sri Lanka; both frequencies are still jammed. BBCM tells JM that 9722.8 kHz is being used for Arabic as well. (VG and JM on RNMN 8/1 via Mike Fern)

ISRAEL - The Israeli High Court of Justice ruled 7/29 that construction of a shortwave base in Israel for **VOA** and **RFE/RL** must await a complete environmental impact study. The study may take at least 18 months. (JM on RNMN 8/1 via Mike Fern)

Voice of Israel announced 8/3 it would no longer broadcast its 0400 & 1000 news bulletins on shortwave. The bulletins at 1700, 1900, 2130 would continue. A check of Voice of Israel EE broadcasts at 2300, 0000 & 0100 on 8/5 & 8/6 failed to reveal any trace of them on 15640, 11605 or 9435. (WBI 8/9) **Kol Israel** cut many external service programs, including all English programs for North America, without notice on 8/5. The remaining English broadcasts are: 1330-1400 on 11587 and 17590; 1700-1715 on 11587, 15640 and 17590; 1900-1930 on 11587, 11605, 11675, 15640, 17630 and 17685; 2100-2130 on 11587, 15100, 15640, 17575 and 17685 kHz. (Tom Sundstrom and JM on RNMN 8/8 via Mike Fern)

IVORY COAST - **Radiodiffusion Television Ivoirienne** operates the "**Radio Cote d'Ivoire**" at 0556-1900 in FF on 7215, 6015, 4940, 1578, 1496 kHz; from 1900-2400 on 11920, 7215, 4940, 1578, 1496. The National Network 2 is on 11920 kHz at 1505-1800. The int'l service is in EE on 11920 at 1800-1900. (WBI 8/9)

JORDAN - Amman has a high-power outlet on 1494 kHz // 11810, with very strong sigs around 1800; it carries the main AA program for foreign audiences. (VG on RNMN 8/1 via Mike Fern)

LATIN AMERICA - Five national networks in Bolivia, Colombia, Ecuador, Peru, and Venezuela have joined forces to produce a daily satellite news roundup. It is aired at 8 a.m. local time in each country. Each network provides one 60-second dispatch each day. The stations are: R. Panamericana, Bolivia, 6105; Radio Cadena National, Colombia, 6160; R. Quito, Ecuador, 4920 kHz.; Radio Programas del Peru, Peru, 5980, silent; R. Rumbos, Venezuela, 4970 and 9660. The net calls itself "La Sociedad Latino-Americana de Radiodifusion, Solar" and "La Cadena de Cadenas." The potential audience is 100 million people. The satellite link is not full broadcast quality. (Rich McVicar and UPI on DXPL 8/4 via Mike Fern)

LEBANON - High Adventure Ministries, in Van Nuys, CA, says the King of Hope will add a 25 kW transmitter about 7/31, to operate on 11530 kHz, //6280 kHz. Gave the sked for 6280 kHz as 0500-0700 Arabic, 0700-1100 English, 1100-1400 Arabic, 1400-1700 English, 1700-1800 Russian, 1800-2000 Ukrainian, Armenian & Russian. (WBI 7/26)

LESOTHO - **R.Lesotho**, Maseru, 4800 kHz, at 0500 after R. Popular Independiente, Ecuador, signed off; time pips and EE ID by woman, then EE nx; fair to poor signals. (Ken McVicar, QLB on DXPL 8/25 via Mike Fern).

LIBYA - **Voice of the Great Arab Homeland** is back on 11725 after nearly 2 month absence; hr 8/16 from 1400 AA tlk & mx, 1615 reading "Green Book" in RR non-stop to 1818, then some piano mx, RR ID & addrs till 1825*; from *1840 AA pgm "Sawt ul-Vatan al-Arabiyy" till 0340*. "Green Book is now 2 hrs earlier than before; at 1820 gave long address is Russian style reverse order: "Great Arab Libyan People's Socialist Jamahiriya/ City of Tripoli/ P. O. Box 4677 & 4396/ Radio program Voice of Great Arab Homeland/ Voice of Revolutionary Committees". Arabic pgm also heard on //15435 at 1840-0340*, but no longer on 15415. (Ernie Behr)

LITHUANIA - Since about 7/16, Radio Moscow on 15485 has replaced the 2300 English transmission of Radio Vilnius on 15485 kHz. with Russian programming. This frequency was well heard in ENA. R. Vilnius is only heard now (7/23) on 11790 kHz. which has co-channel QRM from R. Beijing's Mali relay. (Andrew Reed, Peterborough, ON, on RNMN 7/25 via Mike Fern)

In Lithuania (prior to cessation of jamming 11/13/88) there were five jamming stations situated in the major cities of Vilnius, Kaunas, Klaipeda, Siauliai and Panevezhys. Each station was equipped with about 10-15 shortwave transmitters, the majority of which had an output power of 5 kw. Some were 1 kw. Horizontal or vertical dipoles were most often used. [They had

optimal effectiveness] within a 30 km radius. All had been set up to serve, according to the Soviet terminology, the needs of densely inhabited cities and their suburbs.

Meanwhile the Soviet Union is known to have had a host of much more powerful jammers. They used the ionospheric waves and were meant to serve large areas situated 2-3 km away. In Lithuania each jamming station was manned by a 20-member staff.

In the Spring of 1989, urgent steps were taken in Lithuania to dismantle all the jamming equipment and antennas in fear that the Soviets would for some reason back down on their previous decision and once again resume their jamming activities.

Not far from Vilnius, towards the north east in the direction of the Lithuanian - Belorussian border, there is a small village by the name of (?Berzak). Driving past it in your car you can easily see eight antennas covering an area of 7-10 acres. The largest of them all, a truly impressive structure, is a 20 element twin Yagi Russian BF-2 antenna which is adapted for the shortwave band exclusively. In the era of jamming, this particular field of antennas and adjacent buildings was used by the reception centre of the Ministry of Communications. The main purpose of this centre was to receive and record the broadcasts of the main, even if jammed, foreign radio stations. The next day all the texts of the monitored programs would be delivered to highly placed officials in the central headquarters of the Communist Party, the Propaganda Department of the Council of Ministers, and so on.

It was the 20 element twin Yagi which had a high plane and narrow main lobe that was used for the reception or recording of jammed radio broadcasts. It is of interest to note that this particular antenna was turned in the direction of the southwest, that is, in the direction from where all the radio signals came. Meanwhile the Vilnius based jammers are all located in the northwest. And that is why the antenna was insensitive to any signals we transmitted. (WBI 8/9, excerpting Radio Vilnius)

MAYOTTE - *R. Mayotte*, 1458 kHz, is giving good reception in India and Sri Lanka with only *four* kw. (VG on RNMN 8/1 via Mike Fern)

MEXICO - *R. Huayococotla*, 2390 kHz, heard in NZ at 1200 with national anthem (AC on RNZI 8/4 via Mike Fern) *XEW*, Veracruz, 6020, heard signing on in New Zealand at 1200 after RNI Bonaire leaves the frequency. (AC on DXPL 8/17 via Mike Fern)

MONGOLIA - *R. Uluan Bataar* has changed its schedule since 7/16. The JJ service on Tues & Fri is now heard from 1530-1600, ex 1200-1230 on 12025. Other changes have been made; the EE sked had not been monitored as of 7/26. (Yoshiaki Hayashi on RJDXC 7/28 via Mike Fern)

NETHERLANDS - *Radio Nederland* changes for NA and South Pacific: 0330-0425 to NA in Du on 9895 ex 9855; 0830-0925 on 21750 kHz. NF ex 21480; 1030-1125 in EE to Australia, 11890 NF ex 11895. (AC on RNZI 7/8 via MF)

Radio Nederland's management has just completed a detailed study of direct-to-home-reception satellites in Europe, indicating that the time is ripe to make a move. An official announcement on choice of satellite and starting date is expected before Dec. 31. (JM on RNMN 8/1 via Mike Fern)

R. Nederland conducted test transmissions for India via Madagascar at 0030-0325 on 9860 and 11655 kHz. from 8/28 to 9/1 inclusive. Indian listeners have asked for a morning transmission in English. A special address was used for reception reports; this was not announced in advance. (RNMN 8/8 via Mike Fern) Special QSL cards have been printed for the test transmissions to South Asia at 0030-0325 8/28 through 9/1 via Madagascar on 9860 and 11655 kHz. (JM on RNMN 8/15 via Mike Fern)

NETHERLANDS ANTILLES - Trans-World Radio is upgrading its existing shortwave equipment. Long-term plans include two new 100-kw shortwave transmitters (to be built at the HCJB plant in Elkhart, IN) with fully computer-controlled operation. The original 250-kw. Continental transinitter will be phased out. The old 50-kw transmitter will be refurbished.

TWR has a new regional office in Miami, run by Jim Munger. He is responsible for TWR Bonaire and TWR field offices in Venezuela and the Dominican Republic. Miami was picked for its excellent airline network.

TWR is also working on a satellite network (to be based on Bonaire?) which will feed programs to evangelical stations in Latin America and the Caribbean. These offerings will include world news as well as secular, probably sponsored, programs. TWR expects that the service via PanAmSat (exclusive of satellite receiving equipment) will cost many operators less than locally-produced programming. Many U.S. evangelical broadcasters send tapes to Latin America and must contend with poor mail service there. TWR believes a satellite service would be more efficient for such ministries. (Jim Munger and Jeff White, RNMN 7/25, via Mike Fern)

Trans-World Radio Bonaire now has a supply of pennants. However, listeners must ask specifically for a pennant. A valid reception report is not required. Hurricane tracking charts are also available on request. (Chuck Roswell, Bonaire Wavelength 8/4 via Mike Fern)

NEW ZEALAND - R. New Zealand International was heard in Japan from 1800-1900 on 11825 kHz. NF. Reception was fair with some fading. The ID used was "This is a test transmission of Radio New Zealand International." Listeners were asked to report reception by mail or fax. The test may affect RNZI's summer time or W92 schedules. (Hiroaki Nakada on RJDXC 8/4 via Mike Fern)

R. New Zealand International began promotion in Japanese for its weekend Japanese program (Sat-Sun 1100-1200 on 9700 kHz.) with a spot recorded by (Yasuaki Matsuoka) a Japanese SWL who visited RNZI the week of 8/1. RNZI has sold over 400 T-shirts to listeners in 29 countries and 31 U.S. states. One new cassette of Maori music is being introduced every other month; the latest is by a woman, Rangi Paka. (Tony King on RNZI 8/4 via Mike Fern)

Radio New Zealand International will move its morning transmission, 1800-2200 UTC, from 13785 kHz. to 15120 kHz. on 9/1. (AC on RNMN 8/15 via Mike Fern)

New schedule from **R. New Zealand International** effective 1 Sept 91 to March 92: 1800-2206, Sun-Fri, on 15120; 2206-0730 daily on 17770; 0730 to 1210 daily on 9700. "Calling Japan", in JJ, from 8/31 to 11/17, Sat/Sun 1100 on 9700 kHz, to include summary of the week's news, New Zealand and Pacific music, and features on tourism, trade and education. (Bruce MacGibbon on RJDXC 8/25 via Mike Fern)

NIGERIA - The *Voice of Nigeria* has extended use of 7255 kHz to 2300 (from 2200), and has added Arabic and Swahili to its external service schedule. The sked is: 0455-0700 EE, 0700-0800 FF, 0800-0900 Hausa, 0900-1100 EE, 1100-1200 FF, 1200-1400 Hausa, 1400-1500 Swahili, 1500-1700 EE, 1700-1800 AA, 1800-1900 FF, 1900-2100 EE, 2100-2200 FF, 2200-2300 Hausa. All to Africa on 7255 kHz. (WBI 8/16)

Voice of Nigeria, Lagos, 7255 kHz., "Morning Flight" show for Africa in EE, around 0600, with news, African music, and a Mailbag [day of week not given]. (Marie Lamb, Brewerton, NY, on DXPL 7/27 via Mike Fern)

R. Nigeria, Kaduna, on 9570 since 5/10 from *0430 IS & hymn, AA & EE rel tk, 0437 EE tk & mx; 0500 EE nx; fair sig, but only on LSB. **R. Nigeria, Enugu**, on 6025, from 0510 EE nx, ID & tk; fair 7/27 after R. Iliniiani s/off. (Ernie Behr)

OMAN - R. Oman, Muscat, 6030 NF, heard in NZ at 1830 with Arabic. (AC on RNZI 8/4 via Mike Fern) [WRTH 91 says 6085 kHz. 1800-2150-mf]

PERU - R. Eco, Iquitos, 5012 kHz, widely reported in NZ around 1030. (AC on RNZI 8/4 via Mike Fern) [AC said "Radio Ecos", no city; R. Eco listed here as alternate to 5097 in PWBR 91; PWBR says 1000-0500- mf]

Ondas del Huallaga, Huallaga, 3330 kHz, heard in Czechoslovakia at 0353 in SP; poor signals.

R. Altura, Cerro de Pasco, 3340 kHz, heard 0305 in SP with fair sigs in Czechoslovakia. **R. Atahualpa**, Cajamarca, 4821 kHz, heard at 0410 in Czechoslovakia; poor signals; QRM from La Voz Evangelica in Honduras.

R. Tarma, Tarma, 4775 kHz, heard in SP with poor signals. (Czechoslovak DX Club: Karl Honzic, Jiri Fulka, CZ; Oleg Shevaya, USSR, contributors, Lubomir Stayskal, editor, on DXPL 8/10 via Mike Fern)

R. Tacna, 9505v, from 0100 SS tk & LA pop songs to 0147 WYFR s/on; almost daily since 7/1; some days fading in ard 0000; freq drifts to 9505.2. Was on 9586.1v 7/29 only, w/LA mx & full ID to 0501*. **R. Tacna** was 50 years old last year. I first heard them in 1955 on 9492 & not much has changed. Power is still 200 watts. (Ernie Behr)

R. Frequencia Lider, Bambamarca, 4418 kHz, at 0406; ID and Peruvian pop music; reliable, good signals in Quito. (Rich McVicar, QLB on DXPL 8/25 via Mike Fern)

R. Huancabamba, Huancabamba (tent), 6281 kHz, heard at 2005 with music; very poor signals. (Ken MacIarg, QLB on DXPL 8/25 via Mike Fern)

PHILIPPINES - The English Service of the *Philippines Broadcasting Service*, identifying as *Radio Filipinas* on 17840 and 21580 kHz., heard closing at 0330 UTC 8/14. Announced that English is broadcast daily from 0200-0330 and said they would 'return tomorrow morning' at 1800 UTC on 15190, 17840 and 21455 kHz. Don't know whether this is new equipment or via VOA's Poro or Tinang facilities. A very, very big signal in Papua New Guinea; should get out very nicely all round the world. (Gordon Darling on RNMN 8/15 via Mike Fern) [Tinang - df]

A station identifying itself as *Radio Filipinas* is currently observed broadcasting in Tagalog at 1800-1858 on 21455, 17840, 15190, and in English at 0230-0330 on 21580, 17840, 17760. The 1800 xmsn ancs as the Filipino Service of the *Philippine Broadcasting Service*. (WBI 8/23)

Radio Veritas Asia sked: 0000-0055 in Karen on 11795, 0000 Sinhalese, 0030 Tamil, 0100-0130 Telugu, all on 15225; at 0100-0125 Bengali, 0130-0155 Hindi, both on 15405. 0130-0230 Vietnamese on 15245, 0200-0230 Urdu on 21560, 1000-1055 Chinese 9520, 1000-1025 Vietnamese on 9555, 1030-1100 Russian on 15110, 1100-1125 Vietnamese on 11790, 1130-1200 Burmese on 9555, 1130-1155 Chinese on 9520, 1200-1225 Indonesian on 9520, 1200-1230 Karen on 9555, 1230-1255 Japanese on 9520, 1230-1255 Kachin on 9555, 1300-1325 Korean on 9555; 1300-1330 Vietnamese on 9520, 1330-1400 Hindi on 9550, 1330-1400 Sinhalese on 9520, 1400-1430 Bengali on 9550, 1400-1425 Tamil on 9520, 1430-1500 Telugu on 9520, 1430-1455 Urdu on 9550. 1500-1530 Tu-Fr Tagalog/(EE nx 1540) on 15140; 1500-1545 Sa-Mo Tagalog(EE nx 1540) on 15140. 1500-1600 Chinese 9615, 2100-2230 on 11790, 2230-2255 on 11790, 9560. 2100-2125 Korean on 9710, 2300-2325 Indonesian on 11710, 2300-2325 Japanese on 15215, 2330-2355 Burmese on 11795, 2330-2355 Vietnamese on 11710. (WBI 8/9)

FEBC Radio International sked: 0000-0230 EE (nx at 0100 & 0200) on 15450; 0115-0130 Burmese on 15460; 0130-0145 Kuku on 15460; 0145-0200 Meitei 15460; 0200-0230 Sa/Su Indian langs on 15460; 0300-0500 Chinese on 15095, 0500-0900 Chinese on 12020; 0830-0900 Javanese on 11995, 0900-0945 Amoy on 9820; 0900-1600 Chinese on 9850 and 9820 (from 1300); 0900-1100 EE on 11685, 9800; 0900-1000 Indonesian on 11995; 0945-1030 Swatow on 9820, 1000-1030 Minangnese on 11995; 1030-1230 Cantonese on 9820; 1030-1100 Malay (to Indonesia) on 11995; 1100-1130 Hmuong on 11685; 1115-1200 Vietnamese on 15100 (to 1145) and 9670; 1130-1200 Lao 11685; 1145-1230 Burmese on 15100; 1200-1300 Cambodian on 11685; 1200-1300 Viet on 9670, 1230-1400 Burnese on 15100; 1230-1300 Zhuang on 9820; 1300-1600 EE (nx 1330, 1430, 1530) on 11685; 1300-1330 Viet on 9660; 1330-1345 Burmese on 9660; 1400-1430 Burniese on 15100; 1430-1500 Bengali on 15100; 1600-1900 Russian & Ukrainian to Eur on 9845v; 1600-1700 Tagalog to ME on 15550; 2100-2300 Chinese on 9830; 2200-2315 Tagalog/EE on 6030; 2215-2230 Sa/Su Khmu on 9875; 2230-2315 Cambodian on 9495; 2230-2300 Indonesian on 9780; 2230-2300 Lao on 9875; 2300-2315 Sa/Su Akha on 11650; 2300-2330 Hmuong on 9875; 2315-2330 Lahu on 11650; 2330-0115 Burmese on 15460; 2330-0030 Shan on 15345; 2330-2400 Wa on 11650. (WBI 8/9)

SAUDI ARABIA - BSKSA on 17755 *0458 IS, Quran, unID lang & mx to 0553*, strong 0724; what lang listed? (Ernie Behr)

SEYCHELLES - R.Seychelles, Victoria, 1368 kHz MW, offers good reception in India from *1800-1900 signoff. An upgrade to 50 kw has begun to improve service to the outlying islands. (Anil Deep, India, and VG on RNMN 8/1 via Mike Fern)

FEBA should be heard in North America at 0300 on 15200 kHz; with African languages; in Middle East with English at 0430 on 17810 kHz; to South Asia in English from 1500-1600 (Sat 1615) on 11865 kHz; Wed thru Sat 1500-1600 on 9590 and 15330 kHz. The mail address is: Far East Broadcasting Assn., Box 234, Mahe, Seychelles. (Direct to DXPL 8/10 via Mike Fern)

BBC relay heard with World Service in English signing on at 0500 on 17885 kHz. (AC on DXPL 8/17 via Mike Fern)

SOUTH AFRICA - The Conservative Party [CP] is threatening to lay a criminal charge against the state broadcasting corporation. The CP says it will press charges unless the SABC stops flashing subliminal messages onto the screen as part of its introduction to news bulletins.

Durban's 'Daily News' newspaper has published pictures of some of the many images which flash onto the screen for a split second before each bulletin begins. The images include shots of a soldier, political leaders, an oil rig and sports stars. The CP says these images are aimed at making people accustomed to a new world order led by Presidents De Klerk, Bush and Gorbachev. (WBI 8/23)

SRI LANKA - SLBC World Service, Colombo, 9720 and 15120 kHz. in English with good signals on 19m at closing at 2130. (AC on DXPL 7/20 via Mike Fern)

The **VOA** is moving ahead on a new high-power transmitting site in an area called Chilao. The Roman Catholic Bishop of Chilao has dropped his objections, since the VOA will do a lot to improve electricity supply and roads in the area. The Sri Lankan parliament is expected to act soon on the final agreement. (JM on RNMN 8/1 via Mike Fern)

SURIMAN - Radio Surinan International, via Radiobras, operates 1700-1745 Mo-Fr in Dutch, English, and Sranan Tongo. English news c. 1725-1735. (WBI 7/26)

SWAZILAND - Trans-World Radio, Manzini, 15170 kHz, heard in Japan in mid-July from 1526-1545; fair with heterodyne QRM. Tuning signal at 1526, religious pgm in Urdu from 1530-1545. (Yoshiaki Hayashi on RJDXC 7/28 via Mike Fern)

SWEDEN - *Radio Sweden* was to begin a morning broadcast in Estonian, Latvian and Lithuanian at 0700-0715 on 6000 kHz from 8/21. (WBI 8/23)

Radio Sweden plans to begin broadcasts over the Astra 1-A satellite starting by April 1992. Radio Sweden's programs in EE, FF, GG and SS would be augmented by home service programs. (JM on RNMN 8/1 via Mike Fern)

SWITZERLAND - *Swiss Radio Int'l* is looking for ways to improve its worldwide coverage without building new transmitters at home. All of the sites under study inside Switzerland have been rejected on environmental grounds. (But they ought to erect curtains around those frightful modern chalets.--mf)

SRI has made a deal with France for a 500-kw base at Montsinery, French Guiana, to be ready in three years; until then, SRI will buy time on Radio Bras and in Gabon. (JM on RNMN 8/1 via Mike Fern)

TAHITI - *RFO Tahiti*, 6135.4, from 0530 local island mx, fair 7/9 & often since; //11827 & 15170.7 stronger. (Ernie Behr)

TURKS AND CAICOS ISLANDS - *Radio Vision Christiana*, which owns the Atlantic Beacon [1570 kHz 50 kw on South Caicos] is going to put up a 100-kw transmitter on 530 kHz which should be operating in 1993. It should cover most of the East Coast and all of the Caribbean. (Lou Josephs on RNMN 8/15 via Mike Fern)

UGANDA - Verie letter from Yona amala, of *Radio Uganda*, says they will resume broadcasts to the US on 15250 kHz with 250 kw and "20 db gain antenna". They will notify when they start. (Sheryl Paszkiewicz, via Numero Uno)

URUGUAY - *CXA61*, Montevideo, 6045 kHz, IDs as "R. Integracion Americana" when both SW and MW freqs are in use. When SW is silent, slogan of "Libertad Sport" is used on MW alone. When both SW and MW are in use, 890 MW IDs as "Libertad Sport" and 6045 as "R. Integracion Americana." The station has advised Julian Anderson that a new QSL card bearing the R. Integracion Americana slogan for SW is being printed. (Julian Anderson on DXPL 8/10 via Mike Fern) *R.Oriental*, Montevideo, 11735, heard 0116-0200 with soccer game in SS; ID as "Radio Oriental Numero Uno." (Terry Palmersheim, WA, in Fine Tuning on DXPL 8/17 via Mike Fern)

USA - *WINB*, Red Lion, PA., 15185 kHz, not heard for several days [in early July] during scheduled 2100-2245 broadcast; only VOA Philippines observed on that channel. (AC on DXPL 7/20 via Mike Fern)

WWCR: Dr. Gene Scott announced the following schedule 7/21 for University Network on WWCR, Nashville, starting Monday, 7/29: WWCR-1, 7520 kHz: 0300-1100 Tues-Sat UTC; 0100-1100 Sun-Mon UTC. WWCR-2, 12160 kHz: 1100-1500 Mon-Fri UTC; 2200-0100 Sat-Sun UTC (3-6 pm PDT Sat-Sun). WWCR-1, 15690 kHz: 1100-1300 Mon-Fri UTC; 1100-1500 Sat-Sun UTC; WWCR-2, 17525 kHz: 1500-2000 Mon-Fri UTC; 1500-2200 Sat-Sun UTC. That's 17 hours a day on weekdays and 24H at weekends. (Mike Fern-CA)

WWCR began separate programming on 7435 (WWCR-2) and 7520 kHz. (WWCR-1) on 7/22. The two services were to exchange frequencies on 7/29 if Dr. Scott's schedule is followed. University Network was on 7435 7/24 UTC. (Mike Fern--CA)

WWV & WWVH, noted since 8/13 announcing time in new deep male (WWV) voice; not very clear under poor condx, definitely not an improvement; why did they have to tamper with the voice? Old annits sounded much better; hope many listeners will complain. WWVH also has new female voice annits, not as clear as the old ones. (Ernie Behr) It a computer generated voice, apparently not a digitized voice, which would sound better. (df)

USSR - RUSSIA - *Echo of Moscow* (Russian: Eko Moskvy) is an independent station financed by the Moscow Soviet, the USSR Ministry of Communications Radio Association, the magazine 'Ogonyek', and the University of Moscow Faculty of Journalism. It started broadcasts 8/22/90. Address is: Radio Eko Moskvy, ul.D.Bednogo 24, Moscow 123308. Sked is: 0400-0700, 1600-1600 Sa/Su, 1600-1900, all on 9535 & 1206 mw. Programs in Russian. Station has plans to use the 88-108 MHz VHF/FM band. (WBI 7/26)

KNLS has not moved across the Bering Strait, but it is producing a program in RR which is broadcast *inside* the Soviet Union. Heard between 1300-1400 Tues 7/30 on 7335 kHz. Announces a mail drop in Moscow, on ulitsa Akademika Koroleva, as well as the Anchor Point, Alyeska address. (Mike Fern-CA)

Radio VeDo in Volgograd heard 7/23 announcing the following schedule: Mon-Tue-Wed, 1400-1800 UTC on 11760 and 13710 kHz. Thurs-Fri, 1500-1880 on 11760 and 13710 kHz.

Sat-Sun, 0300-0600 on 1161 MW, 5925 and 7125 kHz. The address is: Radio VeDo, Ulitsa Mira 9, Volgograd 40066 [or 4000667--mf], USSR. Phone 35-67-91 and 35-12-76. (Valery Ostroverkh, Karaganda, USSR, to Bruce MacGibbon on RJDXC 8/25 via Mike Fern) On air from 1558-1900 Mon-Fri on 11760 and 13710; the operators plan a morning transmission on 41m or 49m. The mailing address is: Radio VeDo, Ulitsa Mira 9, Volgograd 400066, USSR. (Alexei Ossipoff, Leningrad DX Club, on DXPL 8/17 via Mike Fern)

R. Dalny Vostok Rossia now uses transmitters in Khabarovsk and Komsomolsk. The schedule is 0900-1200 and 1600-1900 on 4060 LSB, 5965 NF, and 9560 kHz. Future plans include 24H operation. (Alexei Ossipoff, Leningrad DX Club, on DXPL 8/17 via Mike Fern) [I don't know how old this item is. DVR still going on 8/22; 4060 partly buried under RTTY, 5965 identifiable, 9560 weak just before closedown at 1200.--mf]

R. Vladivostok, a new private station, went on the air 7/19. Its programs include information, music and advertising and are on the air daily 0700-0900 LT, 2100-2300 UTC, on 1251 MW. The 1000-kw transmitter is located near Razdolny village, 100 km from Vladivostok; it belongs to State Broadcasting Center No. 6 and is currently used for External Service relay and covers the Primorski and Khabarovski regions plus Japan, Korea and part of China. The address is: R. Vladivostok, ulitsa Uborebicha 2 0-A, Vladivostok 690670. Phone: +7 42 30 223114. (Stanislav Kiselev via Valery Ostroverkh to Bruce MacGibbon on RJDXC 8/25 via Mike Fern)

Richard Measham: BBCM first noticed something was up at 0300 8/19, when Mayak, All Union Radio's music and news service, joined up with the main First Program from Moscow. That was about five minutes before TASS put out the item announcing that Gorbachev found it impossible to carry on because of the state of his health.

JM: And Radio Moscow started playing music rather than the regular program.

RM: Yes, it was a different program, both domestically and externally. Although External Service transmissions have remained on the usual frequencies at the usual times. The main effect was on domestic radio and TV. On the first day, the Mayak music and news service was suspended, and there was a main music and news service carrying all the decrees interspersed with music. That lasted for the rest of the day. Domestic radio from Moscow settled back to normal within 24 hours. All Union Radio's Second Program, although it continued to broadcast, failed to carry any programming from Russia's Radio (Radio Rossiia), which is in the hands of Boris Yeltsin's people in the Russian Federation.

JM: Yeltsin quickly realized the power of the media, and a makeshift solution was prepared.

RM: Some amateur radio equipment was shipped into the Russian (Republic) parliament building in Moscow. That has been on the air since midday 8/20, and in fact, it's still on the air today (8/21). They are not only communicating with their supporters outside the parliamentary building, they are also running a radio station, using this radio amateur equipment.

JM: Are they operating in the ham bands??

RM: They are indeed. The three main frequencies are 14175, 7045 and 3640 kHz, all variable. The call sign is "Radio Three Anna", which is phonetics for "R3A". They mixed programs from Radio Rossiia with communications with their supporters in Leningrad, etc.

JM: The station was clearly audible in Hilversum on Wednesday afternoon around 1200 on 14175. The meeting inside the Russian parliament was being relayed live, with speakers complaining that the news they were hearing from foreign radio stations didn't match what they were hearing from Soviet radio. [Translating] "Today our country has been struck by a new disaster. A criminal gang received power. The power of the President of the USSR and the Russian government is threatened. Blood is flowing in the country. We hear sounds of automatic rifles." At 1500 Wednesday, both State Radio and TV changed sides.

But what of the other private and commercial stations in the USSR? In Moscow, six stations were operating up to Monday morning. Eko Moscow has both MW and a 100-kw SW transmitter south of Moscow, beamed northwest.

Vladimir Strelnikoff: At 7:50 am 8/19 Moscow time, at least two unidentified men entered the studio and asked to see the director-general, Sergei Korzon. They told him to go off the air. He replied: I do not know who you bozos are and I intend to stay on the air. They said okay, fine. The bottom line is that a few minutes later the station went off the air. The feed from the studio to the transmitter was cut off. [BBC WS correspondents reported that Eko Moscow was back on Tuesday carrying decrees, etc. from the Yeltsin regime.--mf]

The only other station that was off the air, according to the information I am getting from Moscow [Strelnikoff was vacationing in Washington DC!! Did you or Kim Andrew Elliott get a chance to meet him??--mf Not 1. (df)] the only other station that went off the air for no apparent reason was the one run by rock promoter Staff Nainen, known as SNC on 1260 kHz. The French-Soviet station Europe Plus is still on the air.

JM: Information about the private FM stations is still sketchy on Thursday as we compile this edition of the program. The ban on the media imposed on Monday has been lifted.

RM: Ekho Moscow was closed down 8/19. It seemed to have got back on the air within 24 hours, and is still broadcasting on the morning of 8/21 on 9535 kHz. Because of interference from SRI we couldn't really monitor what they were actually saying. Its schedule is 0400-0700 and 1500-1900.

JM: Who controls what in the Russian Republic?

RM: Vladivostok radio was still operating on the morning of 8/21 carrying pro-Yeltsin material. As for the Soviet republics, they are certainly on the air; that does include Latvia, Lithuania and Estonia.

JM: It was during Tuesday 8/20 that Radio Moscow World Service first carried reports about opposition to the coup. That was in sharp contrast to the TV news which only changed sides in the middle of Wednesday afternoon European time.

There have been some isolated reports of Soviet jamming on SW over the last few days. Some of it clearly happened, as in the case of Radio Vilnius. It's ironic that a couple of weeks back Radio Vilnius' English program talked about the jamming stations and how they'd been dismantled.

"During the cold war the Soviet Union coined a special term for its jamming of foreign broadcasts. It was known as 'radio defense.' In Lithuania there were five jamming installations in the major cities, including Vilnius and Kaunas. Each station was equipped with 10 to 15 SW transmitters, most with 5 kw, giving ground-wave coverage within a 30-km radius. The Soviet Union is known to have had more powerful stations, designed to jam in an area 2000 km. away."

JM: Each Lithuanian jamming station had a staff of about 20. When jamming officially stopped, those who were at retirement age were dismissed, while the rest were transferred within the Ministry of Communications.

RM: The [former jamming] transmitters in the Moscow area, which were given over to republican radio so that they could be better heard outside the republics themselves, actually ceased carrying any broadcasts from the republics and have been given over to broadcasts from Moscow.

JM: The situation has probably now been reversed.

VS: [In the USSR] you still can't buy shortwave sets or communications receivers made in Hong Kong, Taiwan, etc. Radios made in the Soviet Union seem to be going for export. The funny thing is, when Gorbachev came to power and jamming disappeared, the [SW] radios also disappeared from the shops. Whether it was caused by everyone running to the shops to get radios, or it was cleverly master-minded by the government, that still remains a mystery. The bottom line is that there are practically no [SW] radios in the stores.

(JM and friends on RNMN 8/22 via Mike Fern)

I first heard about the coup at 0900 on 19 August, when my clock radio woke me up to ABC news. It was not until 1200 that I heard Radio Moscow, on 11840 kHz via Cuba. Radio Moscow was reporting only the pronouncements of the coup leaders. One curious twist was that the news at 1200 was followed by the "victory" passage from Beethoven's Fifth Symphony. Perhaps this was symbolic of the people on the streets of Moscow flashing "V" signs in solidarity with Boris Yeltsin and the Russian Parliament. Perhaps it was just a coincidence. In any case, Radio Moscow preempted most of its regularly-scheduled programming in favor of mostly-somber classical music. It was not business as usual.

This pattern continued throughout the day on the 19th. When I began listening again at 1200 on the 20th, I was surprised to hear the newscast including items about Yeltsin's opposition to the coup. As I continued listening on the 20th, I noticed that more and more news items were devoted to opposition -- within the Soviet Union and abroad -- to the coup.

Radio Moscow's coverage improved markedly as the coup collapsed. One of their announcers did a superb job of simultaneously translating Gorbachev's press conference after his return to Moscow. The rhythm of the translation was flawless and it reflected the many emotions of the Soviet president during that event.

Shortly after the coup failed, Radio Moscow also began promoting a six-part series providing an independent journalistic account of the shooting down of the Korean Air Lines jet shot down off the Soviet Pacific coast in 1983. I heard one installment of the series, which began August 26. It included dramatizations of the events and was very well produced. I must listen to more of the series to get an idea if it succeeded as journalism.

Amid the remarkable changes in the Soviet Union, particularly in the mass media, it will be most interesting to listen to Radio Moscow and the other Soviet external services in the months to come. (Kim Elliott)

USSR - All-Union Radio's First Program and the 24 hour **Mayak** music & news service from Moscow were observed to be linked in a common program at 0300 on 8/19, some five minutes before the appearance of the first **TASS** news agency item on the removal of President Gorbachev from office. They remained linked till 2100 8/19, when the **First Program** freqs left the air and the **Mayak** service restarted, having been suspended for 18 hours. The **First Program** returned with its own, near normal, programming at 0200, 8/20.

The *All-Union Radio Second Program*, a classical music & cultural service, continued to broadcast separately on 8/19 & subsequent days. However, programs from *Russia's Radio*, normally carried on this service, failed to appear and were replaced by *All-Union Radio's* own programs 8/19-21.

Central Television's First and Second Programs were linked in a common program from s/on 8/19. The single service continued 8/20 & 21. Consequently, *Russian Television*, which is carried on the *Second Program*, failed to appear. [The report says January in this paragraph, but obviously should read August. df]

At 1325 8/21 *Central TV* reported: "Comrades, at 1700 hours [1400 gmt] on Second All-Union Channel, Russian Television resumes work. A complete recording of the extraordinary session of the RSFSR Supreme Soviet, which opened in Moscow today, will be transmitted."

Text of report on Mayak at 1300 UTC 8/21:

Esteemed listeners to Mayak! After the bloody events of last nights in Moscow, the journalists of Mayak came to the decision not to fulfil the instructions of the illegal and anti-constitutional so called Council on the State of Emergency.

From the very beginning of the coup we were deprived of the chance to transmit honest and objective information about the tragic events taking place in the country. An hour ago at a meeting of the journalistic workforce we were joined by other departments of radio and TV and representatives of the technical services.

We shall try to inform you fully and accurately. We hope that our desire to remove the current discredited heads of radio and television broadcasting concords with yours.

You can now hear a news broadcast, and then, if we are still on the air, I will try to repeat this announcement. (WBI 8/23)

VATICAN - *Vatican Radio's* English broadcast to New Zealand at 2245-2315 is heard on 9600 NF, 11830 and 15105 kHz. (AC on RNMN 8/15 via Mike Fern)

VIETNAM - *Hanoi External Service* in EE using three transmitters, 9840, 12020, and 15010 kHz. 1000-1030; 1230-1300; 2030-2100. 1100-1130 transmission unchanged on 7416 and 9732 kHz. (AC on DXPL 7/20 via Mike Fern)

YEMEN - *Aden* has commenced a daily broadcast in English from 1600-1630 on 5970 and 7190 kHz. The ID is "This is Yemen, Program 2, from Aden." Five-minute newscast, then features; on Sunday, Western (not C&W) songs and music. (AC on DXPL 8/17 via Mike Fern)

YUGOSLAVIA - A 24 hour relay of *Croatian Radio's First Program* from Zagreb has been observed since 8/17 on 7240 kHz, //1134 kHz and other MW & FM frequencies from Zagreb. (WBI 8/23)

Latest sked received from *R.Yugoslavia* shows some changes. EE now listed 0000-0045 on 9620 and 11735 kHz; from 1200-1230 on 17725, 17740 and 21600 kHz; from 1830-1900 on 6165 and 15165 kHz; from 2100-2145 on 5960 and 11735 kHz. (AC on DXPL 8/17 via Mike Fern)

ZAIRE - *R.Kisangani*, 11454.9 kHz, heard from 0500-0700 with news in FF at 0600; quite weak in South Africa; not a harmonic. (Vacek Kornek, South Africa, in Play-DX on DXPL 7/27 via Mike Fern) [No Kisangani listings in WRTH 91--ml] Signs on 0400. Site formerly known as Stanleyville. (Jerry Berg, via NU)

Your contributions of schedules and station news are welcome, needed, requested, etc. Please send by US Mail to the above address. You can also reach me on CompuServe (76702,771), on Prodigy (JDBM33A), or GEnie (D.FERGUSON14). Or through the Internet gateway to CompuServe (76702.771@compuserve.com).

Time now for the usual disclaimer. I guess if I were very imaginative I'd come up with a different way of saying this every month. But I'm not. So, Any opinions expressed herein by me are my own, not those of VOA, where I work, but which I here in no way represent.

How 'bout a few words -- maybe even a paragraph or two -- from some of the veteran DXers in the club as to when during the upcoming "DX season" you expect to hear improved signals from your favorite DX targets? Or maybe it was August?

Till next time, good listening. df

QSL Reports

Sam Barto

47 Prospect Place
Bristol, CT 06010



ABU DHABI: Voice of the UAE 13605 p/d folder cd. w/ schedule in 130 ds. (Nagengast-MN). same in 1 mo. for 1 IRC. (Wallace-CT). 15305 same in 31 ds. (Helm-KS). 17855 f/d ltr. w/ schedule in 35 ds. (Prisco-PA).

ALASKA: KNLS 11715 f/d "Map" cd. w/ schedule and pennant in 15 ds. Also rcvd. personal ltr. v/s Beverly Jones, Secretary. (Helm).

ALBANIA: Radio Tirana 11825 p/d ltr. w/ personal ltr. in 48 ds. for \$1.00. (Galgan-NY). 9760 p/d ltr. in 97 ds. for 4 IRCS.

ANGOLA (Cabinda): Em. Prov. Cabinda (Helm). * 4970 cd. w/ ltr. and outdated info. in 60 ds. after my 4th f/up rpt. v/s Luzia Fancony, Programme Director. (Darling-PNG).

ANTIGUA: Deutsche Welle 9670 f/d "Reunification" cd. in 2 mo. (Grenier). 9545 same cd. in 60 ds. (Weber-OH).

ARGENTINA: Radio Continental 9115 f/d paper cd. in 10 wks. via registered mail for an EG/SP rpt. v/s Julio A. Valles. (Field-MI).

ASCENSION ISLAND: BBC 9600 f/d ltr. in 4 mo. v/s Andrew Marsden. (Boulden).

ASIATIC RUSSIA: Radio Moscow 4810 via Vladivostok f/d "Peoples Friendship Fountain" cd. in 5 mo. after an earlier rejection. I had to send the station photocopies of NASWA loggings to prove that did transmit on that frequency at 1300UTC! (Hosmer-MI).

AUSTRALIA: VNG Time Signal Station 16000 f/d "Delta Aerials" cd. in 18 ds. w/ 2 page personal ltr. v/s Marion Leiba. (D'Angelo-PA). f/d cd. in only 2 wks! The male voice heard on the station is Graham Conolly, VK2BL. (Boulden). Royal Australian Navy Communications Station 12984 f/d ltr. in 4 mo. v/s Steve Dix. (Boulden). Radio Australia 21740 via Shepparton f/d ltr. w/ "Wilderness Society" cd. in 29 ds. (Lucore-KY). VLW15 15425 via Wanneroo p/d cd. w/ schedule and a personal ltr. w/ stickers in 24 ds. for 3 IRCS. (Christensen-AL). VL8A 2310 via Alice Springs, VL8K 2485 via Katherine and VL8T 2325 via Tennant Creek...all 3 N.T. stations verified on the same cd. for a broadcast that ran in parallel. (Field-PA).

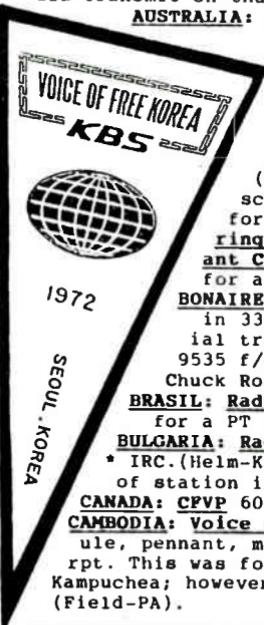
BONAIRE: Radio Nederland 15560 (USA) f/d "Dutch Canal" cd. in 33 ds. for 1 IRC. (Brouillette-IL). same cd. for special transmission in 51 ds. (Lucore-KY). 11815, 11930 and 9535 f/d "Bestuurcollege" cd. in 29 ds. for 1 IRC. v/s Chuck Roswell. (Carson).

BRASIL: Radio Educacao Rural 4755 p/d QSL folder cd. in 29 ds. for a PT rpt. v/s Ailton Guerra, Gerente. (MacHarg).

BULGARIA: Radio Sofia 11720 f/d cd. w/ pennant in 33 ds. for 1 IRC. (Helm-KS). 7670 via Stolnic f/d cd. w/ schedule and lots of station info. in 6 wks. (Field-MI).

CANADA: CPVP 6030 f/d ltr. in 4½ mo. (Boulden).

CAMBODIA: Voice of the People of Cambodia 11937.9 p/d cd. w/ schedule, pennant, ms. and a very friendly ltr. in 233 ds. after a f/up rpt. This was for an EG rpt. sent via Hanoi. QSL letterhead says Kampuchea; however, the typed letter refers to the State of Cambodia. (Field-PA).



PLEASE NOTE: Most of the station pennants illustrated in this QSL Column were sent to us by Dario Monferini of PLAY-DX...Sam.

CHILE: Radio Esperanza 6090 f/d ltr. in 5 mo. for a SP rpt. v/s Eleazar Jara, Jefe.(Field-MI).

CLANDESTINE: Voice of June the 4th 15280 personal ltr. in 204 ds. This was 50 ds. after a f/up rpt. v/s Sanyuan Li. Addr: 1314 E. Hyde Park Blvd., #2, Chicago, IL 60637. (Darling-PNG).

COLOMBIA: Radio Nacional 17896.4 (USB) f/d plain B&W cd. in 72 ds. for a SP rpt. and ms. v/s Juan Carlos Jaramillo Velosa, Director.(Brouillette IL). **Radio Nueva Vida** 5567 p/d oversized "Certificado de Escucha" cd. in 107 ds. for a SP rpt. and an HCJB pennant. (MacHarg). **Radio Santa Fe** 4965 p/d cd. in 2½ mo. for a SP rpt. and \$1.00.(Allen-OK).

COSTA RICA: Radio For Peace International 7375 f/d cd. in 2 mo. for 2 IRCS. v/s James Latham, Station Manager. (Boulden). card, schedule and station info. in 36 ds. after a f/up rpt. for \$1.00.(Darling-PNG). **TIPI** 9645 f/d cd. w/ ltr. in 19 ds. for 2 IRCS.(Helm-KS).

CUBA: Radio Habana Cuba 15435 f/d "Government House" cd. w/ station info. and goodies in 137 ds.(Mayberry-TX). 11820 f/d "Lenin Park" cd. in 132 ds.(Nagengast-MN).

NOTES: Mr. A.S. Helm in Kansas City, KS says that he is extremely pleased with his QSL from Radio Pyongyang. It only took 43 days and was filled with goodies! Don Hoerner has just finished a revision to his FR and SP reports. He had these reports on a master disc. Don also says that he has just about obtained 40 acres with a cottage in mid-Michigan with no nearby power lines or neighbors. He hopes to have up a bunch of beverages by Thanksgiving Day....When are you going to invite us?...sam. Mendel Craighead also in KS sent in several illustrations of QSLs from the different stations in Yugoslavia - seeing that they are in the news lately. They will be featured in a future QSL Column. If any of our members want to send in material for the Column, please make sure the illustrations are in good B & W contrast...Sam. Ben Muncine has informed us that a Japanese DXer, Tsunasaki Ashimori, would be very willing to forward reception reports to North Korea. He has a very good success rate! The address is: 11-14 Kawazoe-cho, Nishinomiya City, Hyogo 662, Japan. Please include \$1.00 or two IRCS with each report...Sam.



CZECHOSLOVAKIA: Radio Praha International 5930 f/d "Svihov Castle" cd. w/ pennant in 3 wks. for \$1.00. (Kohlbrenner-PA). (Lucore-KY).

DUBAI: Dubai Radio 21605 f/d cd. in 26 ds. w/ pennant.

ECUADOR: HCJB 9745 f/d "DX Party Lines" cd. in 6 wks. for \$1.00. v/s Rich McVicar and John Beck.(Kohlbrenner-PA). same cd. in 2½ mo.(Millard-TX). same in 44 ds. for ms.(Weber-OH). f/d cd. in 49 ds.(Lucore-KY). f/d cd. in 1 mo.(Grenier). 15115 f/d "PACS" cd. in 2 ds. (MacHarg). **Escuelas Radiofonicas Populares** 5011 n/d personal ltr. in 6 mo. for a SP rpt. and \$1.00. v/s Juan Perez sarmiento, Director Ejecutivo.(Allen-OK). **Radio Catolica Nacional** 5030 f/d ltr. w/ decal in 3 mo. for a SP rpt. and ms.(Wallace-CT).

EGYPT: Radio Cairo 9475 f/d cd. w/ booklet explaining the external services in 3½ mo. for ms. This was my 4th try in a year for this one! (Wallace-CT). 9900 f/d "Art" cd. w/ schedule in 48 ds.(Livingston).

ESTONIA: Radio Tallinn 5925 f/d "View of Luhike Jalg" cd. in 6 mo. for \$1.00.(Hosmer-MI).

EURO PIRATE: Radio Stella International 11416 f/d cd. w/ station history in 6 wks. v/s Jock Wilson, Station Manager. 120 watts!

* Station located in Ireland. (Field-MI). **Radio Tower** 15050 f/d blue "Logo" cd. w/ a personal ltr. in 1 mo. for \$1.00. v/s Peter de Jong.(Allen-OK). **Radio Fax** 12255 (Ireland) f/d cd. w/ station info. in 3 wks. for \$1.00.(Allen-OK).



VERIFICATION SIGNERS/ADDRESSES: Radio Federacion Shuar 4961 Albino Utitia J., Director.
Radio Jesus del Gran Poder 5050 Padre Jorge Enriquez, Director...Convento de San Francisco, Ap. 133, Quito. NHK Relay Moyabi 21610 Kinutoshi Hishikawa. Radio Melodia 5995 Hermogenes Delgado Torres, Director General. Radio Fax 12255 Trevor Brook...The Forge, Cranleigh, Surrey GV6 7BG, England. Qatar Broadcasting 21565 Jassim Mohammed Al-Qattan. Radio Argentina Al Exterior 15345 S.ra Marcela G.R. Campos, Directora. CRTB 4870 Leoncio Goohouede. Radio Santa Cruz 6135 Victor Blajot, Director General. La Cruz del Sur 4875 Rodolfo Moya J., Director. Radio Ppx Neves 4409 Carlos Espinoza Cortez (ECO). Radio Cultura Araraquara 3365 Antonio Carlos Rodrigues dos Santos. Super Radio Alvorada Radio Progresso do Acre 2460 Jose Alves Pereira Neto, Director Presidente. Radio Tapuya de Moesoro (formerly SWHC) Francisco Borges Neto, Director. Radio Pioneira de Teresina 5015 Tony Batista, Director. Radio Cancao Nova 4825 Jose Cardoso de O. Neto, Secretary. Radio Alvorada Parintins 4965 Raimunda Ribeiro da Silva....Travessa Leopoldo Neves 503, Manaus 69067 Amazonas.....via PLAY/DX.....Sam.

FRANCE: Radio France International 17795 f/d cd. w/ schedule in 29 ds. for 2 IRCS.(Helm-KS). 17620 f/d cd. w/ schedule in 77 ds.(Nagengast-MN).

FRENCH GUIANA: Radio Japan 15325 via Montsinsery n/d cd. w/ schedule, book and sticker in 21 ds.(Prisco-PA).

GABON: Radio Japan 11735 via Moyabi f/d cd. w/ schedule and desk calendar in 21 ds.(Prisco-PA). 11705 f/d "Mountain Valley" cd. in 42 ds. for 2 IRCS.(Helm).

GERMANY (East and West): Sudwestfunk 7265 p/d "Sunset" cd. in 5 mo. for a taped rpt. and ms. (Klinck-NY). Deutsche Welle 21465 via Leipzig f/d "Reunification" cd. in 36 ds.(Darling-PNG). 13610 f/d cd. in 6 wks. (Kohlbrenner-PA). Also rcvd. the following in 6 wks. 11705 via Nauen; 11765 via Wertachtal; 13770 via Konigs Wusterhausen; and 9765 via Juli-ich. (Kohlbrenner-PA).

GREECE: Voice of Greece 9395 p/d "Northern Greece" cd. w/ travel brochures in 18 ds. for \$2.00.(Lucore-KY).

GUAM: Adventist World Radio - Asia 13720 cd. w/ newsletter and schedule in 53 ds.(Livingston).

GUATEMALA: Radio Maya 2360 f/d prepared cd. in 4 mo. for a SP rpt. and \$1.00. v/s Baltazar Juan, Gerente. Also rcvd. pennant, button and a nice color photograph of the station.(Allen-OK).

HAWAII: WWVH 15000 f/d cd. in 18 ds.(Prisco-PA). same w/ schedule and station history in 20 ds.(Livingston).

HUNGARY: Radio Budapest 9835 f/d "Matra Area" cd. in 92 ds. for 2 IRCS. Also rcvd. ltr. w/ stickers.(Carson). f/d cd. w/ schedule in 48 ds.(Nagengast-MN).

INDIA: All India Radio 11715 f/d cd. w/ sticker and schedule in 58 ds.(Mayberry-TX). 15265 f/d cd. w/ schedule and stickers in 5 wks.(Boulden).

IRAN: Voice of the Islamic Revolution 15084 f/d "Women's Day Rally" cd. in 109 ds. for a SP rpt. and 2 IRCS. Also rcvd. magazine.(Brouillet-IL).

ISRAEL: Kol Israel 17630 f/d cd. w/ schedule in 5 wks. for 1 IRC.(Kohlbrenner-PA). 15640 f/d cd. w/ schedule in 27 ds.(Lucore-KY). 11605 f/d cd. w/ schedule in 56 ds. for 3 IRCS.(Helm). Rashuth Hashidur 9388 f/d cd. in 64 ds.(D'Angelo-PA).

JAPAN: Radio Japan 5960 f/d cd. w/ schedule in 3 wks.(Kohlbrenner-PA)...
KOREA, PEOPLES DEMOCRATIC REPUBLIC: Radio Pyongyang 9977 (Canada?)

f/d "Mountain" cd. w/ ltr., pennant, schedule, song book and all sorts of goodies in 43 ds.(Helm-KS). f/d cd. of "Korean Dancers" w/ flag, book and schedule in 5 wks. My report was sent via a DX friend in Poland. He used his return address. Have been trying to QSL this station for 20 years! Great! (Michalenka-RI).



SERIOUS COLLECTORS ONLY: Your QSL Editor has over 1,000 different badges, pins, key chains, pens, mugs from all over the world. If you are seriously interested in purchasing the entire collection or just looking for that one item, please contact your NASWA QSL Editor.



NOTES: Richard Wallace says he was very pleased with the Cairo QSL. He is now counting on Vilnius to make his day. Richard just got reseller status from Universal Radio and is currently carrying small shortwave portables from a storefront in New Milford, CT. Hope the business goes well...Sam. Bob Lucore in Danville, KY is a new member and contributor to the Column. He is now using the new Drake R-8 receiver....I envy you as I am using the R-7...Sam. Another new member and first time contributor Jim Galgano in Seneca Falls, NY sent in his first report to the Column. He hopes to become very active in the organization...Sam. Roland Dieterich sent me a very good looking postcard from his holiday vacation spot - the Faroe Islands! Nice stamps! Glad to hear from all you gentlemen....Sam.



KOREA, REPUBLIC OF: Radio Korea 9750 "Traditional Exorcism Dancer" cd. in 65 ds. w/ schedule for 2 IRCS. Stickers were rcvd. (Carson).

LUXEMBOURG: Radio Luxembourg 6090 f/d cd. w/ 6 stickers and 9 DJ photos in 22 ds. for 3 IRCS.(Lucore-KY).

MALAGASY REPUBLIC: Radio Nederlands 15570 f/d "Faces Behind the Voices" cd. in 49 ds. for 1 IRC.(Carson).

MALI: Radio Beijing 17705 f/d "Silk Figurine" cd. w/ sticker and schedule in 23 ds.(Lucore-KY). f/d cd. w/ site in 100 ds. Station sent schedule, magazine and paper cuts. What do you do w/ these paper cuts?(Michalenka-RI)...Henry, arrange them under glass w/ a wooden frame. They look great!

MONACO: Trans World Radio 9480 f/d "World Map" cd. in 23 ds. w/ pennant and station info.(Carson).

NORWAY: Radio Norway International 21705 f/d "Glasses Design" cd. in 30 ds.(Galgano-NY).

OMAN: BBC 17790 paper cd. in 34 ds. for \$1.00.v/s Paddy O'Reilly, Senior Transmitter Engineer - GW4MAD.(Darling-PNG). 15310 f/d cd. in 51 ds.(D'Angelo-PA). f/d cd. in 1 mo. for ms.(Kohlbrenner-PA). Radio Sultanate of Oman 17735 2 f/d large cds. sent about a wk. apart possible one for my original rpt. and the other for my f/up rpt. v/s's Rashid Haroon and H. Al Kindy.(Field-PA). 17735 via Thumrait f/d folder cd. in 34 ds., 900 ds. after original rpt. for \$1.00.

PAPUA NEW GUINEA: Radio Northern 3345 prepared cd. (Darling). personally collected for new engineering tests on new 10kW NEC transmitter.(Darling-PNG).

PARAGUAY: Radio Nacional del Paraguay 9735 n/d ltr. w/ schedule and stamps for a SP rpt. v/s Filemon G. Arguello M. (Millard-TX).

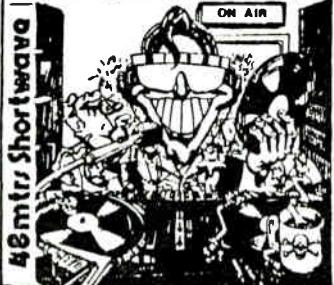
PERU: Radio Tropical 4935 n/d personal ltr. w/ station history and a very colorful pennant in 16 ds. for a SP rpt. and an HCJB pennant.(MacHarg). Radio Melodida 5995 f/d "Map" cd. in 3 mo. for a SP rpt. v/s Hermogenes Delgado, Director - Gerente.(Field-MI).

PHILIPPINES: VOA 17735 p/d cd. in 40 ds.(Heim) **SAIPAN:** KHBI 9530 f/d cd. in 3 mo. for \$1.00.

SPANISH MOROCCO: Radio Mediterraneo Internationale 9575 f/d cd. in 119 ds. Also rcvd. schedule, sticker and station info.(MacSpain). **SPAIN:** Radio Exterior de Espana 9630 (Harg). f/d "Sevilla" cd. w/ sticker and pennant in 4 wks.(Kohlbrenner-PA).

SULAWESI: RPDT2 Buol-Tolitoli 3654 f/d prepared cd. * w/ long personal ltr. in 5 wks. for an IN rpt. and SASE. v/s Said Rasjid, Kepala. 200 watts! This took one f/up rpt.(Allen-OK).

LIVE WIRE RADIO



TO: Roland Disterich
DATE: 9th September 70
TIME: 0020-0045z
FREQ: 6276 kHz
SINPO: 34343
TX POWER: 80 watts
SIGNED:

*Bill
Lewis*

QSL No 85

NOTES: Mike Fern sent in a very detailed explanation regarding the Cyrillic alphabet and the use or non-use of the "e" or "e-umlaut" as it pertains to places, persons and things. Too detailed to explain here but if any members want a copy of this letter just send me an SASE and I'll get it off to you. Mario Portalatin of 6381 W. 24 Court, #108, Hialeah, FL 33016 is from the Dominican Republic. He would like information regarding the hours of operation for Radio Barahona, Clarin or Amanecer. If anyone in the Florida area gets good reception, please contact Mario and advise him of same.....Sam.

SWAZILAND: Trans World Radio 9665 f/d "Transmitter" cd. in 3 mo. v/s Carol Tatlow. (Grenier). f/d folder cd. w/ site and schedule in 122 ds. for ms. Also rcvd. 15th anniversary folder. (Michalenka-RI).

SWEDEN: Radio Sweden International 11705 f/d "Lappland" cd. w/ sticker in 19 ds. (Lucore-KY). 21500 f/d "Stockholm" cd. w/ station info. and stickers in 16 ds. (Galgano-NY)...This was my very first QSL!!!

SYRIA: Radio Damascus 9950 and 12085 f/d "World Map" cd. in 137 ds. via registered mail. (D'Angelo-PA).

TAHITI: Radio Tahiti - RFO 11827 "Conch Shell" cd. w/ sticker, map and schedule in 23 ds. (Livingston).

TAIWAN: Voice of Free China 5950 f/d "Art" cd. in 56 ds. Schedule, stickers and a station newspaper was rcvd. (Carson). 9765 f/d "Art" cd. w/ schedule and sticker pennant in 17 ds. (Helm). 9680 f/d cd. in 3 wks. w/ schedule and stickers. (Kohlbrenner-PA).

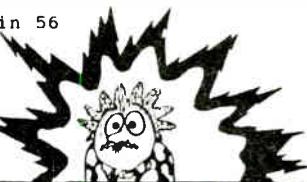
TANGIER: VOA 21625 f/d "Crosley Transmitter" cd. in 83 ds. for ms. (returned). Schedule was rcvd. (Brouillette-IL).

TONGA: Radio Tonga 5030 f/d "A3Z" cd. in 1 mo. (Field-MI).

UKRAINE: Radio Kiev 11790 f/d cd. w/ ltr. and sticker in 80 ds. for 2 IRCS. (Helm). Radio Moscow 15475 and 17810 via Vinnitsa f/d cd. in 47 ds. (Lare). 9685 via Simferopol f/d cd. in 47 ds. (Lare).

USA: Radio Marti 9525 p/d cd. w/ personal ltr. and a schedule in 55 ds. * (Helm). f/d "Jose Marti" cd. in 93 ds. w/ schedule. (Carson). Radio Voluntad Democratica of the Cuban Revolutionary Party 7520 via WWCR n/d personal ltr. in EG/SP in 1 wk. v/s Vicente Lago. Addr: 4600

N.W. 7th St., Miami, FL 33128. (Field-MI). WHR1 13760 f/d cd. w/ schedule in 86 ds. v/s James L. Holycross (Livingston). 9465 f/d cd. in 3 1/2 mo. for \$1.00. (Wallace-CT). 9495 f/d cd. in 74 ds. (Cobo-TX). WSHB 17555 f/d cd. in 55 ds. v/s Judy Cook. (Livingston). KGEI 9615 f/d cd. in 3 wks. for 1 IRC. (Boulden). WCNN 13595 f/d cd. in 66 ds. (Darling-PNG). Radio New York International 7520 via WWCR f/d "RNI Challenge" cd. in 72 ds. for ms. and \$1.00. v/s Tina Shields. (Carson). WRNO 7355 f/d "Trump Plaza" cd. for the "Let's Talk Sports" program. Addr: "LTS Program, Trump Plaza Hotel and Casino, Boardwalk at Mississippi Ave., Atlantic City, NJ 08401. (Berg-MA).



LIVE WIRE RADIO

USA: WRNO 15420 p/d "Dream State" cd. w/ travel info. in 76 ds.(Lucore-KY). VOA Bethany 6125 f/d cd. in 6 mo.(Boulden). 6035 via Greenville f/d cd. in 8 mo.(Boulden).

USA (Pirate): CSIC Radio 7412 f/d ltr. #36 in 3 mo. Use BRS address. (Field-M1). WORK 7412 f/d cd. in 16 ds. (D'Angelo-PA).

USSR: Radio Station Peace and Progress 17615 f/d "Mockba" cd. w/ old schedule in 98 ds.(Nagengast). Radio Russia 15630 returned my RS language prepared cd. properly filled out by the station w/ station stamp applied. Also rcvd. info. sheet on the station and a postcard. Radio Russia is a part of the State TV-Radio Company. Addr: Mr. S. Davydov, Radio Rossiya, Moscow, USSR 125124. This all arrived in 3 mo. for an EG rpt. and a cassette tape. (Berg-MA)...Very nice! Radio Moscow 11840 f/d "Peoples Friendship Fountain" cd. in 46 ds. Schedule was rcvd. (Galgano-NY).

UZBEK: Radio Tashkent 11975 f/d cd. w/ 3 postcards, 2 calendars, schedule, contest announcement in 48 ds. Beautiful stamps on the QSL.

VATICAN: Radio Vatican 15180 f/d "Palazzo Pio" cd. (Mayberry-TX) in 179 ds. for 2 IRCS.(Nagengast-MN). 17710 f/d "Transmitter" cd. w/ schedule and a personal note in 80 ds.(Livingston).

VENEZUELA: Radio Rumbos 4970 f/d "Studio" cd. in 15 mo. for a SP rpt. tape and ms.(Klinck-NY). Radio Continental 4940 f/d cd. in 1 mo. for a SP rpt. and ms.(Wallace-CT).



STATION PENNANTS OF THE WORLD: As promised in last months bulletin, the final two editions are now ready for public distribution. The European and Eastern European Edition contains over 140 pages, 530 listings and about 370 illustrations. It retails for \$8.00. The other edition covers Africa, Asia, Oceania and the Mid-East. This one contains 120 pages with about 380 listings and more than 250 illustrations. This one retails for \$7.00. The above prices include shipping and postage. If you are a pennant collector or interested in looking at pennants, some going back to the 50s, you will not be disappointed. Please send your order to your NASWA QSL Editor.

YUGOSLAVIA: Radio Yugoslavia 11735 and 9620 f/d cd. w/ pennant, schedule, form ltr. in 81 ds.(Mayberry-TX) f/d cd. w/ station history and schedule in 95 ds.(Livingston).

Radio Sarajevo 11735 via Belgrade personal ltr. in 3 and 4 yrs. respectively, 60 ds. after my 2nd and 3rd f/up rpts. for SASEs and IRCS. v/s Senada Kreso, Head of International Relations Department. Addr: 6 Proleterske Brigade 4, 71000 Sarajevo.(Darling-PNG).

Well that about does it for yet another QSL Column. We had a few less contributions this month but I'm sure it will pick up. Thats the reason for the larger type this month. Hope everyone has a great summer and keep the reports pouring in....Sam.

NASWA Scoreboard

Jerry Lineback
6361 Shore Drive
Douglasville, GA 30135



Jerry A. Lineback, EDITOR
6361 Shore Dr.
Douglasville, Georgia 30135

August, 1991

Greetings and welcome to another issue of the SCOREBOARD. This issue has the SPOTLIGHT on South America. Remember, C/H = Countries Heard and C/V = Countries Verified. Country counts are by the NASWA Radio Countries List. We welcome newcomers and old timers who have contributed to this SCOREBOARD. Please share your totals with fellow DXers by contributing to SCOREBOARD. The next deadline will be November 15 for the December issue of the Journal. The SPOTLIGHT will be on Africa. You must update your totals at least once a year to remain on the SCOREBOARD. Please update all totals when you contribute.

Name, State	Totals		So Am		Best So Am QSL	
	C/H	C/V	C/H	C/V		
James Young, CA	238	225	14	13	Galapagos	
John Tuchscherer, WI	237		15		Qollasuyo	
Gordon Darling, P/NG	235	229	15	15	Falklands	
Edward Kusalik, Alb.	231	227	15	15	Falklands	
Marlin Field, MI	227	223	15	15	R. Apinte	
William Flynn, OR	225	208	15	15	Falkland Is.	
Jerry Berg, MA	224	223	15	15	R. Mamore, Bol.	
Harold Cones, VA	223	214	15	15	Falks/Galapagos	
Terry Palmersheim, WA	221	204	15	15	R Antena Libre	
Nobuaki Takahashi, Japan	221	189	15	10	R Pres Prudente	
Tom Gavaras, MN	219	216	15	15	Galapagos	
Steven Lare, MI	219	184	15	11	Flaklands	
Mitch Sams, KS	218	171				
Al Miller, OH	217	209	15	15	Galapagos	
John Sgrulletta, NY	215	215	15	15	Falkland 2380	
C. Vernon Hyson, NC	214	203	15	15	Espectador	
Del Fye, FL	212	197	15	15	Madre de Dios	
Kevin Atkins, AL	211	185				
Kirk Allen, OK	209	200	15	15	Rdif. Huanta	
Rick Krzemien, CA	209	195	15	12	Galapagos	
Ron Howard, CA	209	190	14	14	R. Santa Maria	
Donald Hosmer, MI	209	173	15	12	FIBS	
Paul Buer, FL	208	197	14	14	R. Apintie	
Sheryl Paszkiewicz, WI	206	196	15	15	Falklands	
Jerry Lineback, GA	205	108	15	12	Maranhao	
Robert Ross, Ont.	199	175	14	13	R Moderna, Peru	
Frank Orcutt, NY	199	157	14	12	R. Demerara	
Mike Hardester, NC	197	184	15	14	Falklands	
Tom Daly, NY	197	45	14	1	Ecuador	
John Huniwell, NJ	194	189				
Harold Sellers, Ont.	191	155	15	13	FIBS	
Kent Willis, KY	191	143	14	8	Galapagos	
Fred Kohlbrenner, PA	186	156	14	14	Galapagos	
Henry Michalenka, RI	184	153	14	13	Galapagos 3520	
Jerry Klinck, NY	183	152	12	8	LV de Chile 10k	
Hadley Cress, VA	182	8	15	1	HCJB	
Tom Laskowski, IN	177	141	14	10	HCJB 26020	
Peter Tutak, WA	175	131	14	11	R. Apintie	
Rev. John Eckert, PA	171	154	11	10	R. Panamericana	
Ichiro Maruo, Japan	171	103	6	4	R. El Mundo	
Greg Hart, FL	170	118	13	8	R. Bahai, Ec.	
Kevin Klein, WI	166	73	13	5	RN Brazil	

Name, State	Total C/H	So Am C/V	Best So Am C/I C/V	QSL
Andy Rugg, Que.	165	150	12	11 CP73-4793 Boliv
Charlie Washburn, ME	165	139		
Allan R. Loudell, DE	165	130	12	10 Progresso Acre
Jim Renfrew, NY	160	121	14	10 BFBS Falklands
Carl Mann, NB	157	140	15	11 FIBS 3958
Cris Hazzard, PA	151	122	11	8 Escuelas Rf Pop
Thomas Ross, IL	150	128	10	9 HCJB 100W
Bill Taylor, PA	148	114	12	8 HCJB 26020
Carl Radtke, WA	147	147	12	12 Quillabamba
Daniel Prisco, PA	147	122	13	11 SRS Suriname
David Edger, VA	147	120		
David Morby, NY	146	37	12	3 Radiobras
Roger Morby, NH	143	1	12	
Jim Smallwood, AL	140	112		
Robert Landau, NJ	136	118	12	9 R. Demerara
Mark Humenyk, Ont.	133	78	12	4 Radiobras
Joe Kremer, IN	129	82	11	7 RN Paraguay
Ross Comer, MA	126	73	9	3 RAE Argentina
David Turnick, PA	123	104		
Richard Wallace, CT	119	66	8	5 R. Continental
Adrienne Barhydt, OR	117	72	9	6 LV del Cinaruco
Joe Zobro, MI	115	87	11	7 Ecos del Torbes
Randy Doyle, AR	114	64	11	6 SODRE
Bill Kurrasch, NY	113	80		
Robert Carlsen, OH	106	87	9	5
Edward Stroh, IL	100	82		
David Galletly, NY	97	70	7	4 YVTO 6100
Brian Boulden, CA	73	54	7	4 YVTO
Rev. William Peake, IA	70	54	3	3 R. Bras
Bruce Orenstein, NY	66	66		
Scott Helm, KS	58	38	3	2 Beijing via FG

 Thanks again to our contributors. Next deadline for the SCOREBOARD
 will be November 15 and the SPOTLIGHT will be on Africa.
 73s till next time.

NO COLLECT CALLS ON THESE ADS. PLEASE

WANTED: Desperately seeking the following receivers. SONY CRF-1, CRF-320A, CRF-330K, ICF-6700, ICF-6800 and ICF-PRO-80. David McLaren, P.O. Box 665, Sheffield, IL 61361. Phone (815) 454-2204.

WANTED: Bird 43 with element 2,500H. Kenwood YK-88SN-SSE and YK-88CN-CW. Scanner AOR 3000. Datong FL2 filter. All in good working condition. Mario A. Portalatin, 6381 West 24 Court #108, Hialeah, FL 33016. Phone (305) 362-0447.

WANTED: Old shortwave receivers such as Zenith, Scott, and Hallicrafters in any condition. C. Blatter, 610 West Sunset Drive, Redlands, CA 92373. Phone (714) 792-4184.

WANTED: KIWA Electronics MAP AM Synchronous Detector Unit. Andrew Herrschaft, P.O. Box 3693, Portland, ME 04101. Phone (207) 773-1562 after 6 pm EST.

FOR SALE: JVC CFL-231 .3 kHz and CFL-233 1 kHz filters for NRD-525 receiver. Price \$250.00 Canadian or best offer. Edward Kusalik, 2117 10 Street A, Coaldale, Alberta, Canada T0K 0L0. Phone (403) 345-5439.

FOR SALE: Customized beam headings (from/to) and distances (M1/KM) to over 470 WRTB-91 transmitter sites. ITU Contry Codes included. Send your location/coordinates, \$6.50. "Passport to World Band Radio" '89, \$8.95. PRENDX/Journal, complete '89, '90, \$8.95 a year or \$17.00 for both. WRTB-87 \$7.95, -90 \$9.95. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

Contributors' Page

Vernon Hyson
9835 Lone Eagle Lane
Charlotte, NC 28215



LOGGINGS CONTRIBUTORS - SEPTEMBER 1991 - DEADLINE 10th of MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA

Jerry BERG, Lexington, MA

Brian BOULDEN, Fairfield, CA

Ken COBB, Portland, ME

HQ180A R390A 150'LW

RK641 INDOOR LW

R71A S40A RF2900 RF2800 UNIDEN 2021

DA 100D 90' LW DIPOLE

Richard CUFF, Allentown, PA

Richard D'ANGELO, Wyomissing, PA

William FLYNN, Cave Junction, OR

R70 ALPHA DELTA SLOPER

R2000 TUN3 SONY 2010 R7A 140'LW 85'

DIPOLE 360' RANDOM

FRG7 MFJ1020A ATS803A

NRD535D SONY 2010 AD SLOPER LW

R600 100' Inv.V

R71A MAP AD370

DX302 TRANSOCEANIC

Peter GRENIER, Sparks, NV

Gerald P HART, Moorhead, MN

Cris HAZZARD, New Hope, PA

Hans JOINSON, Columbia, MD

Rufus JORDAN, Pittsburgh, PA

W KARCHESKI, Holden, MA

Tom LASKOWSKI, South Bend, IN

John LYON, White Bear Lake, MN

Ben MANCINE, Elyria, OH

Martin PECK, New York, NY

Doug ROBERTSON, Oxnard, CA

Mark SPAT, Manchester, NH

Tom TABATOWSKI, Indianapolis, IN

Robert TUCKER, GA

Dan UNRUH, Ellensburg, WA

Tom WALSH, Bedford, MA

William WENTWORTH, Paxton, MA

Mike WOLFSON, Ashland, OH

Robert R ZILMER, Rio Rancho, NM

R71A MFJ956 IC725 20m Dipole

TS940S 40M DIPOLE

ATS803A ATTIC LONGWIRE

NRD515 R71A FRG7

DX302 FRG8800 FRA7700 LONGWIRE

Reported for August!

SONY 2010 MFJ956 70' DIPOLE

ATS803A

R71A S107 RANDOM

R70 160m Dipole

R5000 SONY 2010 125' LW

NRD525 R1000 R7

Normally I am not the greatest Radio Moscow fan in the world, but the week of August 19th found my dial on their English Service Broadcasts. It was interesting comparing their versions of events with the network news & CNN. I think this is an area where we in our hobby have "one-up-manship" on the rest of the populace. Events like those that occurred in the Soviet Union inspire me to always take the portable on vacations, since you never know what will happen next. Many thanks to the new reporters and veterans for keeping summer interesting & proving we do have a year 'round hobby, pausing only slightly for lightning and other QRN.

COMPUSERVE REMINDER ID# 76516,1531

'Till next month, Good DX, Happy Listening & 73s,

Tropical Band Loggings

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



- 2410 NEW GUINEA, R. Enga, 8/18, 1036 call & response, tlk by M., more group chanting, good. (Lyon-MN)
- 2485 AUSTRALIA, VL8K, 8/16, 1047 EG interview w/book author, slow fade to nx 1100, better on 8/18. (Lyon-MN)
- 3205 BRAZIL, R. Ribeirao Preto, 7/18, 0150 sports w/quick break for "Radio 79" chorus ID. (Johnson-MD)
- 3205 NEW GUINEA, R. West Sepik, 7/21, 1222-1232 Kundu svc, long guitar/chorus selections, children's chorus, loud sig. S7 on Sony. (Flynn-OR)
- 3215 SOUTH AFRICA, R. Oranje, 8/16, 0405 EZL mx, ID, ads in AK & EG, good. (Lyon-MN)
- 3235 NEW BRITAIN, R. West New Britain, 8/18, 1010 choral mx, preaching, choral mx w/harmony. (Lyon-MN)
- 3255 LESOTHO, BBC Kelay, 8/16, 0422 EG nx, cmtry, tlk on Mideast peace tlks, Iraq selling oil, Afr. nx, fair. (Lyon-MN)
- 3260 NEW GUINEA, R. Madang, 8/18, 0950 in lang w/choral mx, TP, nx, fair. (Lyon-MN)
- 3270 NAMIBIA, NBC, 8/16, 0435 EG w/Afr. nx, correspondent rpts, ads, very good. (Lyon-MN)
- 3300 GUATEMALA, R. Cultural, 7/8, 0230 EG ID, address, rel. mx, fair, much QRM. (Karcheski-MA) 7/16, 0900 SP mx, ID 0902, fair. (Tabatowski-IN)
- 3315 ADMIRALTY ISLANDS, R. Manus, 8/18, 1020 in PD w/choral mx & guitar, Christian hymns, tlk, good. (Lyon-MN)
- 3339.9 PERU, R. Altura, 8/2, 0224 w/Andean vcls, ID, fair. (Paszkiewicz-WI)
- 3345t MOLUCCAS, RRI Ternate, 7/23, 1303-1317 IN nx, sev Indo place names ment, lagu pops, S8 on K-2000. (Flynn-OR)
- 3365 BRAZIL, R. Cultura Araraquara, 7/18, 0126 good Braz. night M anncr, long ID, back to mx. (Johnson-MD)
- 3365 CUBA, R. Rebelde, 7/6, 0629 ID, good sig but much static, phone tlks, mx. (Tabatowski-IN)
- 3366 GIANA, GBC-2, 7/15, 0525 EG ID, singing, rooster crow, mx w/drums, also hrdr Radio 1 on 4915 w/ID. (Hart-MN)
- 3376.9 ANGOLA, RN, 7/14, 0205-0230 tlk, ballads, pops, EG pops, //4951.3, 7245, all weak. (Alexander-PA)
- 3385 NEW BRITAIN, R. East New Britain, 8/18, 1106 tlk by YL, clobbered by strong ute 1111. (Lyon-MN)
- 3654 INDONESIA, unid, 7/22, 24, 25, 1300-1327 Jak nx, tlks, orch mx & lagu lagu pops, weak to fair, peaked S7 on Sony. (Flynn-OR) Either Juwu or Buol Tolitoli--sp.
- 3905 NEW IRELAND, R. New Ireland, 7/6, 1115 w/tlk, QRM from SSB, gone by 1132, poor. (Hart-MN) Tom Ross, did you catch these guys yet?--sp.
- 3990 CHINA, Vo Pujiang, 7/23, 1246-1256 //3280, 4950 which were buried, non-stop tlk by W, S9 on R-2000. (Flynn-OR)
- 4485 USSR, Bashkir R., Ufa, 7/20, 1014 RS, folk mx, 1030 IS, rel hymns, 1100 TP, ID, good after 1040. (Robertson-CA) Also 8/8, 0850 w/folk & rock mx, nx, 0857 ID, 0900 IS and 8/10, 0830 interview, ID, clock strike, nx (Robertson-CA)
- 4760 CHINA, Yunnan PBS "G" pgm, 7/29, 1314-1344 //2460, slow tlk, some CH string mx, 1330 Occidental class & ballet mx, S7 on R-2000. (Flynn-OR)
- 4770 NIGERIA, R. Nigeria Kaduna, 8/16, 0500 EG IS, TP, nx, health care for children, etc, good. (Lyon-MN) Also on 4774 on 7/4, 0500 EG pops, poor, 7/17 fair nx, ID 0530, VV ad. (Tabatowski-IN)
- 4775 PERU, R. Tarma, 7/10, 0410 SP mx, ID 0432, off at 0500, had QRN, S10=322. (Hart-MN)

- 4789.8 PERU, R. Atlantida, 7/14, 0310-0330 tlk, canned ID 0327, SIO=252 (Cobb-ME) Thx for writing--sp.
 4790 IRIAN JAYA, RRI Fak-Fak, 7/29, 1233-1253 sounded like puppet show, audience noise, clear but weak, S1 on R-2000. (Flynn-OR)
 4814.9 BRAZIL, Rdf. Londrina, 7/18, 0159 EG ID! song & EG pgm, rel tlk by W & at 0213 was in SP! (Johnson-MD)
 4820.2 HONDURAS, HRVC, 7/20, 0209-0218, singing, tlk, intros to songs, in SP. (Wolfson-OH) 7/11, 0310 Latin mx, poss. sermon, annmts (Tucker-GA) Welcome!--sp.
 4830 VENEZUELA, R. Tachira, 7/15, 0300-0400 mx, ID 0357, fair. (Tabatowski-IN) 7/8, 0348 SP mx, bursts of QRM, ID 0355, tlk. SIO=333. (Hart-MN)
 4832 COSTA RICA, R. Reloj, 7/4, 0545-0600 mx, ID 0551, fair. (Tabatowski-IN)
 4835 SARAWAK, RTM Kuching, 7/3, 1151 in Malay w/pop mx, YL anncr (Grenier-NV)
 4850 CAMEROON, CRTV Yaounde, 8/18, 0450 FR rel svc w/children's choir, spirituals, good. (Lyon-MN) 7/16, 2255-2310 mx, 2300 CRTV ID, tlk in FR, SIO=454. (Cobb-ME)
 4863.7t ZAIRE, R. Bukavu, 7/14, 0440 FR tlk, Lionel Richie, fade out 0445, too weak to ID. (Alexander-PA)
 4865 COLOMBIA, LV del Cinaruco, 7/4, 0600-0700 SP tlk, ID 0630, poor. (Tabatowski-IN) 8/8, 0900 SP mx, 0900 ID, 0914 tlk by M, fair w/het. (Robertson-CA)
 4875 CHINA, Vo Jinling, 7/26, 1348-1412 CH opera, 6 TP 1400, mx, on-scene rpts, orch mx, faded after 1400. (Flynn-OR)
 4890 GABON, R. France relay, 7/4, 0425-0450 FR tlk abt Yugoslavia, IDs, lite mx breaks, //9800. (Laskowski-IN)
 4890 PAPUA TERR, NBC, 8/16, 1115 EG C&W mx, TC, promo for PNG rock band pgm, mx, public health annmt, good. (Lyon-MN)
 4890t SENEGAL, ORTS, 7/22, 0608 AR call to prayer, later FR tlk, no ID hrld. SIO=333. (Hart-MN)
 4904.6 CHAD, RN Tchadienne, 8/5, 0425 IS, anthem & FR ID 0430, good. (Walsh-MA)
 4914.6 PERU, R. Cora, 7/14, 0240-0305 SP pops, marching band mx, many IDs nx 0300, SIO=243, QRM disappeared at 0300. (Cobb-ME) 7/4, 0450-0500 fair, nice mx, W w/freq info, long NA, annmts by M, ID, short mx & off. (Laskowski-IN)
 4915 GHANA, GBC-1, 8/16, 0550 lang w/hilife mx, IS, TP, ID, mx by M&W in EG, good. (Lyon-MN)
 4920 ECUADOR, R. Quito, 7/16, 0430-(455 organ, guitar mx, ID 0454, exc sig. (Tabatowski-IN) They haven't been coming in too good here.
 4930 DOMINICAN REPUBLIC, R. Barahona, 7/13, 0228-0300 tlks, brassy instls, pop vcls, echo effects, IDs, poor. (Jordan-PA)
 4939.6 VENEZUELA, R. Continental, 7/24, 0258 lively vcls, ID, something else tuned up briefly on 4940. (Paszkiewicz-WI)
 4950 ANGOLA, RN, 7/30, 2308-2316, EZL mx, tlk in PT w/ment of Angola. (Hazzard-PA)
 4955 BRAZIL, R. Marajoara, 7/17, 0215-0300* lengthy tlks, many IDs, echo effects, sports hilites, ads. (Jordan-PA)
 4970 VENEZUELA, R. Rumbos, 7/30, 0455 Latin mx, tlk, ID 0515. (Tucker-GA) 7/4, 0600 ID, mx, poor. (Tabatowski-IN) 7/6, 0512 tlks lots of QRM, tentative. SIO=322 (Hart-MN) 8/8, 0919 mx, vcls, ID 0930, more mx and 8/20, 0345 tlk, 0406 Latin mx, 0411 ID, fair. (Robertson-CA)
 4980 VENEZUELA, Ecos del Torbes, 7/11, 0248 Latin mx, IDs, annmts, ade. (Tucker-GA) 7/9, 0508 singing //9640, buried in QRM mostly, SIO=322. (Hart-MN) 7/16, 0900-1000 mx, ID 0936, very good. (Tabatowski-IN)
 4985 BRAZIL, R. Brasil Central, 7/19, 2355-0015, ads, 3 IDs, Braz. pop mx, SIO=444. (Cobb-ME)
 4990 NIGERIA, R. Nigeria Lagos, 7/29, 2255-2306* EG lcl & natl mx, ID, closing annmts, anthem, also what sounded like a Nigerian pledge of allegiance (Cobb-ME) 7/29, 2300 TP, 'hx at Midnight,' anthem to close. (Hazzard-PA)

- 4991 BOLIVIA, R. Animas, 7/16, 0301-0400* excited OM w/IDs, QTH refs, promos, ads, jingles, poor. (Jordan-PA)
 Wish I could hear this as well as the Brazilian on 3365--sp.
 5004 BOLIVIA, R. Libertad, 7/31, 0026-0103 continuous mx, long ID, tlk 0030, SIO=252 w/RMTY QRM (D'Angelo-PA) No luck w/this either--sp.
 5005 SARAWAK, RTM Sibu, 7/3, 1158 w/pop mx, tlk by M (Grenier-NV)
 5009.4 MADAGASCAR, R. Madagasikara, 7/29, 0319-0335 tlk in lang, chorus mx, ID 0330 but not very readable, mx, faded under static, peak at S6 on Sony. (Flynn-OI)
 5011.2 ECUADOR, Escuelas Radiofonicas Pop, 7/14, 0201-0225* great Andean mx, ID 0225 & abrupt s/off. SIO=353 (Cobb-ME)
 5015 BRAZIL, R. Pioneira, 7/17, 0233, 2 songs, ID & mx by Chicago (Johnson-MD)
 5019 COLOMBIA, Ecos del Atrato, 7/4, 0342-0359* lively vcls hosted by an equally lively OM, ID, anmmts, part of orch NA, SIO=252 (D'Angelo-PA) 7/6, 0325-0405* anmmts, ads, mx, Caracol promos, good, irreg. (Alexander-PA)
 5020.5 NIGER, ORTN, 7/19, 0030, tlk by group in FR & lang, 0131 anmmts, ID, Qur'an, anthem to s/off (Johnson-MD)
 5025 CUBA, R. Rebelde, 8/20, 0347 IDs, mx, abruptly off 0402, QRM (Robertson-CA) Good to hear from someone in California
 5030 ECUADOR, R. Catolica Nacional, 7/25, 0157 modern mx, ID, 0203 s/off, SIO=333 (Hart-MN)
 5030 SARAWAK, RTM Kuching, 7/3, 1205 w/tlk & poss. nx in Malay. (Grenier-NV)
 5035 BRAZIL, R. Aparecida, 8/6, 0112-0145 pop vcls, ads, IDs, sound effects, ment Sao Paulo (Jordan-PA) 7/15, 0210-0255* IDs, EG pop mx, lounge lizard mx, TCs, anmmts, exc sig //6135 (Cobb-ME)
 5035 CENTRAL AFRICAN REPUBLIC, RTV Centafricaine, 7/4, *0428-0445 FR IS, orch NA, ID, hilife mx, SIO=454 (D'Angelo-PA)
 5040 ECUADOR, LV del Upano, 8/6, 0055-0110 anmmts, QTH refs, IDs, echos, orch mx, fair sig. (Jordan-PA) 7/11, 0230 tlk, EG folk song, off 0307, also lrd 7/25 at 0216 (Hart-MN)
 5041 ANGOLA, EP da Benguela, 7/30, 2248-2306 EZL mx, mx, instl mx to s/off. (Hazzard-PA)
 5045 BRAZIL, R. Cultura do Para, 7/17, 0253 PT 50s mx, ID and off 0301, SIO=322 (Hart-MN) 7/30, 0830-0930 mx & tlks, ID 0902 (Tabatowski-IN)
 5047 TOGO, RTV Togolaise, 7/23, 0515 carrier to 0524, chimes, FR tlk, poor to fair. (Hart-MN)
 5055 COSTA RICA, Faro del Caribe, 7/27, 0430-0500 EG rel pgm, fair. (Tabatowski-IN)
 5055 SWAZILAND, TWR, 7/8, 0358, "This is Trans World Radio Swaziland," hymns, poor. (Hart-MN)
 5061 ECUADOR, RN Progreso, 7/4, 0320-0340* Latin vcls, 0336 ID, s/off anmmts, mixed chorus, NA, poor. (D'Angelo-PA)

This month we have reporters from 12 states with most of the loggings coming from Pennsylvania. A warm welcome to DOUG ROBERTSON of California, who answered my request for more rpts from CA. Hello to WALSH in MA and CRIS HAZZARD of PA. BILL FLYNN sent along an ad for Canadian Heritage Rivers commemorative postage stamps. Call the Philatelic Centre in Nova Scotia for details, 800-565-1336. Recently bought the 1991 edition of Tropical Bands Survey, which makes a useful supplement to your WRTB or Passport. Check with DSWCI or ODXA for ordering details. There's never been a better time to obtain reference books and special interest books, catalogs, etc. dealing with shortwave. Just some of the catalogs showing up here have included those from Universal Shortwave, Grove Enterprises, The Radio Collection, CRB Research and DX Radio Supply. Also several new titles are available from Tiare Publications. Check further through the ads in the hobby press and also in JOHN BRYANT's Listeners Library. If this month's column is any indication, we should have a productive fall DX season!

International Band Loggings

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



- 5980 BRAZIL R Guaruja in PT 2320, reverb anmmts, pop mx, call-ins (Cobb ME 7/16)
 6010 PERU R America in SP 0157, nx, ID's, slick format, g (Flynn OR 7/19)
 6045 URUGUAY R Integracion in SP 0058, former R Libertad Sport, ID (Johnson MD 7/18)
 6060 ARGENTINA RN Buenos Aires in SP 0648, classics, pops, ID, g (Robertson CA 7/9)
 6075 COLOMBIA Caracol Bogota in SP 0642, tlks, ID, fgy, exc (Robertson CA 7/9)
 6105 BRAZIL R Cancao Nova in PT 0050, guitar mx, tlk, //4825 (Johnson MD 7/18)
 6115 PERU R Union Lima in SP 0704, LA mx, ID 0704, exc (Robertson CA 7/5)
 6115 CHINA V of the Strait-PLA in CH 0947, tlk, mx, ID 1000, g (Robertson CA 7/7)
 6135 SWITZERLAND Int Com Red Cross in EG *0310, relief in Ethiopia (Wentworth MA 7/2)
 6160 CANADA CKZN Newfoundland in EG 0330, classical mx, NA *0400, f (Mancine OH 7/18)
 6180 BRAZIL RN da Amazonia in PT 0907, mx variety pgm, ID 0930, g (Robertson CA 7/14)
 6260 CHINA Qinghai PBS in CH 1256, old US pop mx, 6 pipe, nx, g (Flynn OR 7/21)
 6907nf? EQUATORIAL GUINEA R Africa(p) in SP 2000, mx, anmmts, pgm sked, NA (Berg MA 7/12)
 72031 ZAIRE LV du Zaire(p) in PR 0445, tlk, mx breaks, no ID hrd (Alexander PA 7/14)
 7245 ANGOLA RN de Angola in PT 2315, pop & African mx, ID, nx, f (D'Angelo PA 7/30)
 7315 USA Croatian R via WHRI in CR? to 0045, into EG, // 9495 weekends (Berg MA 8/5)
 7475 TUNISIA RTV Tunisienne in AR 0422, folk mx, chorus, drums, f (Peck NY 7/6)
 7480 CHINA SRI relay in EG 1330, nx, cntry, Swiss Merry-Go-Round (Zilmer NM 8/10)
 93693nf? PAKISTAN R Pakistan s/on w/Koran 0030, ID 0100 (Johnson MD 7/3)
 9480 MONACO TWR Monte Carlo in EG *0640, relig pgms, g (Mancine OH 7/11)
 9495nf? YUGOSLAVIA R Zagreb in EG 0445, nx re life in Zagreb (Boulden CA 7/21)
 9535 NETHERLAND ANTILLES TWR in EG 0335, free hurricane tracking charts (Hart MN)
 9545 SOLOMON IS. SIBC in EG 0708, US pop mx, local ads, nx, g (Laskowski IN 7/4)
 9570 ROMANIA RRI in SP 0325, folk mx on bagpipes, flute etc., ID, g (Peck NY 7/6)
 9575 MOROCCO R Mediterranean Intl in PR 0024-0059*, mx, ID, NA (D'Angelo PA 7/22)
 9580 ALBANIA R Tirana in EG 0235, nx on elections (Wentworth MA, Unruh WA 7/31)
 9580 AUSTRALIA RA in EG 1230, "Ring the Bells", parliamentary rpt (Tucker GA 7/13)
 9640 NO. KOREA R Pyongyang in EG 1300, nx, cntry, martial mx, chorus (Zilmer 8/10)
 9655 THAILAND R Thailand in EG *1130, IS, NA, nx, p (Mancine OH 7/11)
 9690 SPAIN R Beijing relay in CH 0230, mx, ID 0300, nx in EG (Robertson CA 7/28)
 9705 PORTUGAL RP in EG 0230, nx, relations w/Mozambique, sports nx (Unruh WA 7/31)
 9710 ITALY RAI in EG 1935, nx, mx, xmen to Great Britain (Zilmer NM 8/11)
 9710 AUSTRALIA RA in Pidgin 1015, tlks, western pops, vg (Mancine OH 7/23)
 9720 SRI LANKA SLBC in EG 1245, mx, C&W, pops, classics (Zilmer NM 8/11)
 9740 SINGAPORE BBC relay in EG 1613, tlk on immigration (Grenier NV 8/1)
 9750 SO. KOREA R Korea in EG 1250, tlk on childrens' summer camps (Grenier NV 7/17)
 98398 VIETNAM V of Vietnam in EG 1230, nx, local mx, Vietnam economy (Zilmer 8/11)
 11455nf? ZAIRE Kisangani in PR *0400, NA?, combo mx, ID, pgm preview, African mx, nx, TC 0435, more tlk, ads? 0452, this is old Stanleyville, g (Berg MA 8/1)
 11595 GREECE R Makedonias in GK 0520, tlk, GK pop mx, chorus, f (Peck NY 7/6)
 11660 BULGARIA R Sofia in PR 0020, nx, mx, ID, hrd over R Nederlands (Wolfson OH 7/30)
 11685 PHILIPPINES PBBC in EG 1010, relig pgming, f/o 1045, f-g til then (Berg MA 8/4)
 11685 CZECHOSLOVAKIA R Prague in EG 0103, nx, ID, CWQRM (Wolfson OH 7/30)
 11705 SWEDEN RS in EG 0225, nx, amnesty international week, f (Unruh WA 7/31)
 11715 MALI R Beijing relay in EG 0340, CH mx, ID 0355, fgye 0357*, g (Robertson CA)
 11715nfc ALASKA KNLS in EG *0800, relig & secular features, vg (Mancine OH 7/13)
 11735 YUGOSLAVIA RV in EG 0005, nx on Slovenia crisis, mx, ID, "Economic Review", (Wolfson OH, Unruh WA) in EG 2105, crisis nx, ID, exc (Karcheski MA 7/7)
 11735 URUGUAY R Oriental in SP 0123, live soccer match, ads, ID, p (Flynn OR 7/18)
 11750 ASCENSION IS. BBC relay in EG 0230, tlk, IS, ID, TC, nx, g (Robertson CA 7/21)
 11750 SINGAPORE BBC relay in EG 1530, feature, mx, TC, ID, nx, *1614 (Robertson 7/19)
 11760nf USSR R Tbilisi in EG 2000, ID, sked, singing, tlks, into RS? 2030 (Berg 7/18)
 11780 BRAZIL RN da Amazonia in PT 1025, top 40 mx, ads, promos, ID's (Jordan PA 7/13)
 11795nf? CYPRUS Cyprus BC in GK *2214, ID, stringed mx, nx, f (D'Angelo PA 7/26)
 11805 GUAM KTWR in EG 0950, relig pgming, mx, f w/QRM hetro (Robertson CA 7/6)
 11827 SOCIETY IS. RFO Tahiti in FR/TT 0530, native mx, tlk (Robertson CA, Mancine OH)
 11830nf? BRAZIL R Araguaina in PT 0106-0123*, pops, abrupt s/off, g (Flynn OR 7/25)
 11835 SRI LANKA SLBC in EG 1120, western pops, clear ID, IS, NA, f (Mancine OH 7/18)

11840 JAPAN R Japan in CH 1520, piano jazz, CH mx, Nat King Cole, f-g (Robertson CA)
 11865 NORWAY RNI in EG 0405, nx, mx, 0415, ID, req reception rpts (Robertson CA 7/28)
 11865 NORWAY R Denmark relay in DN *0430 after RNI pgm, ID, tlk (Robertson CA)
 11865 JAPAN R Japan in EG 1553, tlk on Japanese politics (Grenier NV 7/11)
 11905 GERMANY Deut Welle in Pashto/GM 0343, Afghan folk mx, ID, f (Peck NY 7/6)
 11950 CUBA RHC in EG 0140/0350, "DXers Unlimited", eclipse effect (Hart MN, Tucker GA)
 13660 UNITED KINGDOM BBC London in EG 2130, nx, "Calling the Falklands", f (Tucker GA)
 13750 ISRAEL Rashuth Hashidur in HB 0455, Israeli pop mx, ID, f (Peck NY 7/6)
 14917 KIRIBATI R Kiribati in EG/KI 0640-0810, tlks, western pops, ID, nx in lang/EG
 (Karcheski MA 6/28, Berg MA 7/27, D'Angelo PA 7/6)
 150093 VIETNAM V of Vietnam in EG 1610, end of nx cmtry on Pres Bushl (Grenier 7/31)
 15030 COSTA RICA RFPI in EG 1915, tlk on US radio scene & Virgin Is. (Tucker GA 7/30)
 15084 IRAN VO Islamic Rep of Iran in Farsi 1940, prayers, Islamic mx (Tucker GA 7/30)
 15095 SYRIA Damascus in EG 2140, YL w/tlk on Palestine situation (Mancine OH 7/22)
 15100 ISRAEL Kol Israel in EG 2130, nx magazine, //15640, 17685 (Zilmer NM 8/10)
 15140nf CUBA RHC in EG 0420, nx re Pan-Amer games, mx (Boulden CA 8/4) ED: Actually this
 is a return to a former fgy. My log register shows RHC here in 1973 (WCT)
 15170 PORTUGAL R Liberty in Azeri 0435, folk mx, tlk, ID, g (Peck NY 7/28)
 15208 BANGLADESH RB in EG 1233-1259*, nx, ID, cmtry, vocals, addr, p (D'Angelo 7/7)
 15305nf UNITED ARAB EMIRATES Abu Dhabi in EG 2220, interview, //17855 (Treibel WA 8/10)
 15325nf SPAIN RNE in SP 2229, pgm in SP lang, ID, //17845 (Treibel WA 8/10)
 15335nf SEYCHELLES FEBB in Urdu? 1359*, s/off w/IS, formerly 15325, f (Treibel WA 8/14)
 15345 NETHERLAND ANTILLES TWR Bonaire in EG 1133, DX pgm, relig pgms (Jordan PA 7/13)
 15425 AUSTRALIA ABC Perth in EG 0800, nx, wx, pop mx, TC (Cuff 7/12, Grenier 7/18)
 15430 AUSTRIA RAI in EG 1330, nx, cmtry, //21490 (Zilmer NM 8/11)
 15440nf FINLAND RP in FN 1459, IS, fqys, //21550, listed 15400 not hrd (Treibel 8/14)
 15450 TUNISIA RTT in AR 2330, local mx until Qu'r'an, ID, fqys, vg (Mancine OH 7/22)
 15510 AFGHANISTAN R Afghanistan via USSR in EG 1808-1903*, nx, pop mx, press reviews,
 clear ID's, off w/vocal NA & into PR service (D'Angelo PA 7/21, Mancine OH 6/28)
 15530 FRANCE RFI in EG 1600, nx, cmtry, beamed to Orient, many //s (Zilmer NM 8/2)
 15570 MADAGASCAR R Nederlands relay in EG 1730, "Newline", "Media Network" (Grenier)
 15650 GREECE V of Greece in EG 1235, nx, into GK mx 1246, //17525 (Zilmer NM 8/11)
 15690 USA IV de Municipos de Cuba via WWCR in SP 2305-2357*, Anti-Castro pgms with
 discussions re Cuban economy, Angola etc. Miami addrs (D'Angelo PA 7/22)
 17525 GREECE V of Greece in EG 1235, nx, GK mx, //15650 (Zilmer 8/11) in GK 1530, tlk,
 examples of Byzantine chant, ID 1540, tlk in SW by YL, f (Peck NY 7/28)
 17575 GREECE V of Greece in FR 1800, "Bashava Baba'a" pgm signature tune (Peck 7/21)
 17630 ISRAEL Kol Israel in EG 1900, nx, mailbag, DX Corner (Zilmer NM 8/11)
 17710 NORWAY RNI in EG 1200, nx, cmtry, beamed to Mideast (Zilmer NM 8/11)
 17740 SWEDEN RS in EG 1300, nx, pgm beam to Aust/NZ, //11960 (Zilmer NM 8/10)
 17745 ALGERIA RTVA in EG/AR 1958, ID in EG, then into AR, f (Hart MN 7/10)
 17770 NEW ZEALAND RNZ in EG 0245-0510, ID, features, sports, ads, mx, Pacific Is.
 Magazine (Cobb ME, Tucker GA, Boulden CA, Unruh WA)
 17790 NORWAY R Denmark relay in DN 1230, tlk, IS, nx, g (Peck NY 7/21)
 17870 SWEDEN RS in EG 1530, nx, pgm beam to Nam, //21500 (Zilmer NM 8/3)
 17880 TURKEY V of Turkey in EG 2235-2249*, classical mx, ID, fqys, f (Cobb ME 7/16)
 21480 ECUADOR HCJB Quito in EG 1652, "Studio 9", "Flin & Flout", ID (Wentworth MA 7/17)
 21555 SPAIN RNE in SP 1400, ID's, harpsichord IS, pop mx, p (Peck NY 7/21)
 21635 FRANCE RFI in EG 1245, mx, pen friend requests, nx quiz (Tucker GA 7/28)

CLANDESTINE

6260v R Patria Libre in SP 0050-0058*, tlks, LA mx, ID, Colombia base (Alexander PA)
 6305 La Voz del Cid in SP 0728, tlks, mx, ID, fqy, nx, Guatemala? base (Robertson CA)
 6540 Iraq Voice of the Mujahed in lang 0130, hrd nightly, DXLD details use of various
 Iraqi services on 6540 and 4750. Care should be taken when logging (Johnson MD)
 7100 LV da Galo Negro in PT 2240-2320, hi-life mx, Big Ben chimes, nx (Hazzard PA)
 17780 R Free Afghanistan in Pashto 1301-1330, many mnts of Mujahadeen (Hazzard PA)

Too many loggings are being received without any indication that the listener has
 positively identified the station being heard. Loggings should specify ID or parallel
 frequencies to confirm the reported station. Also, a few loggings are almost totally
 lacking in program details, e.g. stating only "nx" or "mx". As you probably can guess, the
 most valuable reports are those listing new freqs or seldom reported stations.

English Schedules

Tom Sundstrom

P.O. Box 2275
Vincentown, NJ 08088-2275
MCI Mail 244-6376
Fax 609-859-3226
Pinelands RBBS 609-859-1910



Prepared 8/30/91 at 7:43 PM.

Thanks to John Carson (OK), Gerry Kercher (CT), Andy Sennitt (WRTH), Michel Batchelor (WSHB), Arnaldo Coro (Radio Havana Cuba), David Alpert (NY), Tetsuya Kondo (Japan), Richard McVicar (HCJB), Nigel Holmes (Radio Australia), the Radio RSA engineering staff and Dan Ferguson (VOA) for material received.

Notes

The abortive coup in the USSR caused short-lived programming aberrations in **Radio Moscow World Service**, TASS, and the Baltic republics. All of this was detailed by Marks and Hauser on their respective shows, and by members of the Asian Broadcasting Institute on **Radio Japan's DX Corner**.

Radio Tirana cut its English output to 4 releases and changed its interval signal. Kol Israel also cut its English service, and dropped its evening broadcasts to NA. While timing is inconvenient, at least two of the four are easy to hear in eNA; standard time took effect September 1.

HCJB has taken 25950 USB off the air, given the declining propagation conditions, and is refurbishing the transmitter. Richard McVicar sent a fax with news of September 1 program changes. Some of these are: to the ME, Quito Calling has been cancelled, replaced by *Music from the Mountains* (1715) and *Shalom* (1730) M-F; to the Americas, Ray Hinchman and McVicar

with *Morning in the Mountains* moves to 1230 UT. Morning newscasts will be at 1215, 1257 (headlines only), 1325 and 1425.

A telephone call from Arnaldo Coro yielded some information about **Radio Havana Cuba**: the SSB testing on 5965 is complete and the service at 03-06 UT will remain on the air in USB. The carrier is fixed at -6 dB, and LSB is suppressed some -45 or -50 dB. The current NA frequencies should remain unchanged until November unless propagation conditions unexpectedly decline. Coro then expects the 19m frequency to move to 31m. A 49m frequency may be considered to fill in the southeast US, as the higher frequencies hop over this area of the country.

The September issue of *Monitoring Times* has a feature story on RHC, written by Michael Matus. It's an interesting article, well worth the read, with photographs. Take a look!

Gerry Kercher notes R Norway Int'l carrying *Listeners Corner* at 2015-30 UT July 28. The announcers said they'd be back "next month". Gerry says this may air on the last weekend of each month.

RFPI's 21465 frequency hasn't been heard here for a while. During the afternoons, I now note a strong Arabic-speaking station on the frequency. 15030 is wandering around, last noted on 15028.2 kHz. The 22m outlet has often been missing too.

Monitoring Times Convention!

Coming to Knoxville in October? Come say hello to us in booth #25, next to the Japan Radio Company booth. For a catalog of IBM PC software, send a business-size SASE to TRS Consultants, PO Box 2275-NA, Vincentown, NJ 08088-2275 or download TRS SOFT.ZIP from the Pinelands RBBS or TRS SOFT.EXE from GENie's Radio BBS.

Sri Lanka on 15120, now at 20 UT, has the last half-hour smothered by the VOA sign-on at 21 UT with Creole to the Caribbean. Between 20 and 21 Spain on 15110 causes a lot of interference (50 db/9 versus s2).

The Voice of Turkey abruptly terminated its 22 and 03 UT NA releases on 9445 for transmitter repair. Apparently these will be off for a number of weeks. Best bet in eNA: 20 UT to Eu on 9445.

Drake R8

I picked up an R8 in late July and worked with it for a few weeks. In my opinion, the receiver is OK so far as it goes. I found the receiver audio, even on the built-in speaker, to be better than expected, and having all the filters as standard equipment is a nice touch. After experiencing the NRD-535's ECSS functions, I couldn't get used to using the variable control on the R8. Other owners, writing in the *FidoNet SW echo* and the *GENie Radio RT*, seem to like the radio more than I do. There is a lot of discussion about front panel ergonomics, but that is a matter of individual preferences. I found the rubbery buttons and the display panel readouts strange, to say the least. In my opinion the computer interface is almost a total disaster. I was not a happy camper after spending more than 50 hours attempting - and failing - to make our software "talk" to the receiver. If you want to hook a PC to a receiver, you'll be better off with the NRD-535, NRD-525 or R-5000. I've opted not to write software for the R8, and I sold the radio.

USSR

On August 25 Radio Japan's *DX Corner* aired a detailed summary of Russian broadcasting during the Soviet coup. If you heard the show, you heard some interesting sound bites. The next day the fax machine came alive with the six-page *ABI* script forwarded by Tetsuya Kondo. David Alpert, of ABC

News, managed some scoops of his own, and posted details on the *Pinelands RBBS*.

Radio Moscow's *World Service* started broadcasting classical music from 03 UT on the 19th. At 04, atop the hour, a three-minute statement by the *State Committee of the State of Emergency* was read. This was repeated for the next several hours. Alpert taped the 04 announcement and got it on to the ABC Radio Network at 0417 UT. The tape was used throughout the day and on ABC's *Nightline* the next evening.

Alpert writes "For the record, first word of the Soviet coup came from TASS... and the first western press agency to get the word out was Reuter at 03:26 UTC on the 19th." TASS press teletype services, curtailed in the first hours of the coup, at 12 UT (50 baud/425 Hz shift on 16348 and 14901 via Cuba) had full statements from the committee and persons involved.

To summarize the *DX Corner* script: Radio Russia was off the air from 03 UT 8/19 to 19 UT 8/21. Except for the Baltic states, regional stations were hardly affected. Georgia, Kiev, Tashkent, Kharbarovsk and Yerevan were all confirmed as on the air. The Baltics: Radio Riga Int'l resumed on the 21st as Radio Latvia. At 23 UT on the 21st Radio Vilnius announced the reoccupation of the broadcasting center after 7 months of communist hardliner occupancy.

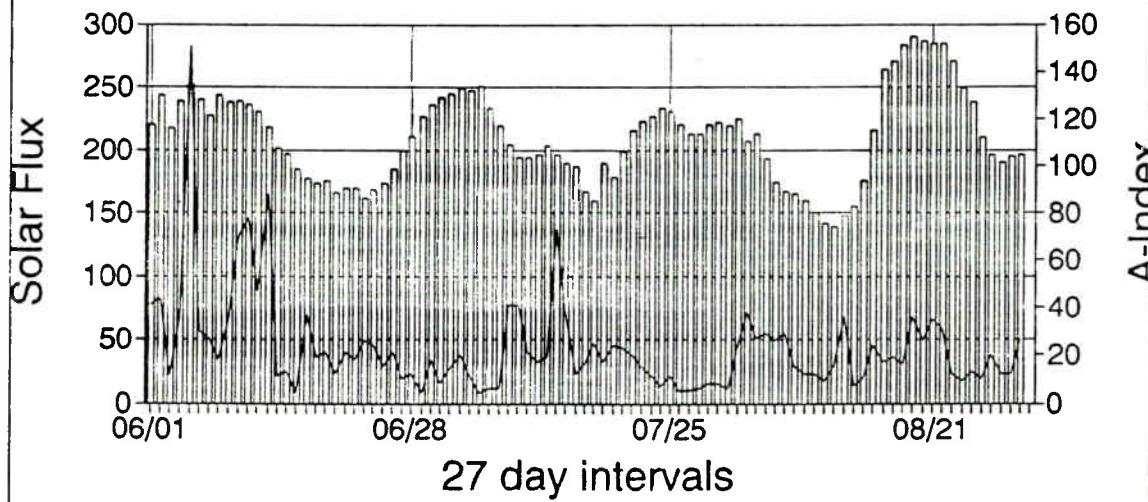
R Moscow made a number of frequency changes in August, and more are to come two days after we go to press. You'll have to hunt for Vilnius, Kiev, Yerevan, Georgia, and Tashkent; changes have not been announced.

Next month

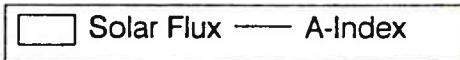
A few September 29 schedules are being held for the October *Journal*. We'll also have better data on the summer-to-winter shifts, unannounced changes and the effects of the chaos in the Soviet sphere.

Solar Flux & A-Index: Jun-Aug 1991

Recorded from WWW



by Sundstrom



Changes entered between 07/25/91 and 08/31/91.

ENGLISH LANGUAGE SW BROADCAST SCHEDULES: By Start Time

Compiled by Thomas R. Sundstrom, W2XQ

Start Time (UTC)	End Time (UTC)	Country	Station	Freq #1	Freq #2	Freq #3	Freq #4	Freq #5	Freq #6	Freq #7	Freq #8	Target Area	Notes	Record Last Updated
0000	0100	Australia	R Australia	21740	17795	17750	17715	17630	15320	15240	15160	As/Pac/PapNG		08/29/91
0000	0100	China	R Beijing	17705	15100	11715	9770					wNA/eNA	#3&4 v Mali	08/26/91
0000	0100	USA	VOA/AM	15205	15120	11695	11580	9775	9455	7405	6130	Caribbean/Americas	alt pgm #1,3,4,5,9	08/30/91
0000	0600	USA	WCNR/1				7435							08/11/91
0025	0325	Netherlands	R Netherlands	11655	9860							sAsia v Madagascar test xmon 8/28-9/1		08/08/91
0030	0430	Ecuador	HCJB	21455	15155	9745						NA	#1 SSB	08/18/91
0100	0330	Australia	R Australia	21775	21740	17795	17750	17715	17630	15320	15240	As/Pac/PapNG		08/29/91
0100	0200	USA	VOA/AM	15205	15120	11580	9775	9455	7405	6130	5995	Caribbean/Americas		08/30/91
0100	1100	USA	WCNR/2			7520								08/11/91
0200	0230	USA	VOA/AM	15205	15120	11580	9775	7405	5995			Caribbean/Americas	Tu-Sa	08/30/91
0230	0330	Philippines	R Philippines	21580	17840	17760						eAs		08/27/91
0300	0400	China	R Beijing	11715	9770	9690						wNA/eNA	#1&2 Mali #3 Spain	08/26/91
0300	0515	South Africa	Radio Oranje			3215								08/31/91
0300	0350	Turkey	V of Turkey	17880	9445							Aus/NA	off to 3 Nov	08/31/91
0300	0400	USA	VOA/AF	21600	17715	15115	11835	9575	7405	6035		Africa		08/30/91
0330	0430	Australia	R Australia	21775	21740	21525	17715	17630	15320	15240	15160	As/Pac/PapNG	#5 Sa-Su	08/29/91
0400	0500	South Africa	Radio RSA	15440	11900	7270						e&c&SAf		08/26/91
0400	0430	USA	VOA/AF	21600	17715	15115	11835	9575	7405	6035		Africa		08/30/91
0430	0530	Australia	R Australia	21775	21740	17795	17715	17639	15320	15240	15170	As/Pac/PapNG		08/29/91
0430	0500	USA	VOA/AF	21600	17755	17715	15115	9575	7405	6035		Africa		08/30/91
0500	0600	USA	VOA/AF	17715	15115	9575	7405	6035				Africa		08/30/91
0520	1620	South Africa	Radio Oranje			9630								08/31/91
0530	0600	Australia	R Australia	21775	21740	17795	17630	15320	15240	15160	11930	As/Pac/PapNG		08/29/91
0600	0700	Australia	R Australia	21775	21740	21525	17795	17750	17630	15365	15320	As/Pac/PapNG		08/29/91
0600	0700	USA	VOA/AF	17715	15115	9575	9530	6125	7405	6035		Africa		08/30/91
0700	0800	Australia	R Australia	21775	21740	17630	15320	15240	11930	11880		As/Pac/PapNG	#284 -0730	08/29/91
0730	1206	New Zealand	R New Zealand Int'l			9700						Pacific		08/26/91
0800	0830	Australia	R Australia	21775	17750	17630	15365	15240	15160	9710		As/Pac/PapNG		08/29/91
0830	0900	Australia	R Australia	21775	17750	17630	15365	15240	15160	9710	9580	As/Pac/PapNG		08/29/91

0900	0930	Australia	R Australia	25750	17750	15365	15240	15160	9710	9580	As/Pac/PapNG		08/29/91	
0900	1000	China	R Beijing	17710	15440	11755					sPac		08/26/91	
0930	1000	Australia	R Australia	25750	17750	15365	15160	9580			As/Pac/PapNG		08/29/91	
0930	1025	Netherlands	R Netherlands	11895							Aus/Carib	v Bonaire	08/08/91	
1000	1100	Australia	R Australia	25750	15365	15170	15160	13605	9580	7140	As/Pac/PapNG		08/29/91	
1000	1100	China	R Beijing	17710	15440	11755					sPac		08/26/91	
1000	1100	USSR	R Moscow	17890	17815	17765	17755	17600	15580	15535	15490	World Service		08/31/91
1100	1200	Australia	R Australia	21720	15365	11930	9710	9580	7240	6080	5995	As/Pac/PapNG	#8 1130-	08/29/91
1100	1200	Jordan	R Jordan	13655							wEu/NA		08/31/91	
1100	2400	USA	WWCR/1	15690									08/11/91	
1100	1500	USA	WWCR/2	12160									08/11/91	
1100	1200	USSR	R Moscow	17815	17765	17755	17620	17600	15590	15550	15535	World Service	11840 v Cuba	08/31/91
1200	1300	Australia	R Australia	21720	15365	11930	9710	9580	7240	6080	5995	As/Pac/PapNG	#2 -1230	08/29/91
1200	1300	China	R Beijing	15450	15225	11660	11600	9530			sPac/eNA/seAs		08/26/91	
1200	1630	Ecuador	HCJB	21455	17890	15155	11925				NA	#1 USB #4 -1300	08/18/91	
1200	1300	USSR	R Moscow	21655	17815	17765	15550	15490	15130	15110	12025	World Service	#10 v Cuba	08/31/91
1230	1300	Turkey	V of Turkey	9675							sAs	off to 3 Nov	08/31/91	
1300	1330	Australia	R Australia	21720	11930	11720	9770	9710	9580	7240	6080	As/Pac/PapNG		08/29/91
1300	1400	USSR	R Moscow	21785	17810	17670	17570	15550	15485	15375	15155	World Service	#10 v Cuba	08/24/91
1330	1430	Australia	R Australia	11720	9710	9580	7240	6080	5995		As/Pac/PapNG		08/29/91	
1400	1500	China	R Beijing	15165	11855	11815					sAs/wNA		08/26/91	
1400	1500	USSR	R Moscow	17815	15490	15485	15375	15205	12025	11840		World Service	#7 v Cuba	08/31/91
1430	1530	Australia	R Australia	13745	12000	11720	9770	9710	9580	7240	6080	As/Pac/PapNG		08/29/91
1430	1500	Israel	Kol Israel	17590	17575	11605	11587				wEu/eEu/NA/CA		08/30/91	
1500	1800	South Africa	Radio RSA	15270	7230						e&c&sAF		08/26/91	
1500	2200	USA	WWCR/2	17525									08/11/91	
1530	1600	Albania	R Tirana	11835	9585						Af		08/08/91	
1530	1600	Australia	R Australia	13745	12000	9580	7240	6080	5995		As/Pac/PapNG		08/29/91	
1600	1800	Australia	R Australia	13745	13605	12000	11910	9580	7240	6080	6060	As/Pac/PapNG		08/29/91
1600	1800	South Africa	Radio RSA	17840							wAf		08/26/91	
1615	1635	South Africa	Radio Oranje	9665								Tu-F	08/31/91	
1625	2200	South Africa	Radio Oranje	3215									08/31/91	
1630	1730	Ecuador	HCJB	21480	21455	15270					ME	#2 USB	08/18/91	
1730	1800	Albania	R Tirana	9480	7155						Eu		08/08/91	
1730	1800	Ecuador	HCJB	21480	21455	15270					Eu/ME	#2 USB	08/18/91	
1800	2000	Australia	R Australia	13745	13605	12000	11910	9860	9580	7240	6080	As/Pac/PapNG	#6 -1930	08/29/91
1800	1815	Israel	Kol Israel	17575	15590	11675	11587				SA/CA/af/EU/NA		08/30/91	
1800	2200	New Zealand	R New Zealand Int'l	15120							Pacific		08/26/91	
1900	2000	Ecuador	HCJB	21480	21455	17790	15270				Eu	#2 USB	08/18/91	

2000	2100	Australia	R Australia	17795 13745 13605 12000 11930 9860 7240 6080	As/Pac/PapNG	08/29/91
2000	2030	Israel	Kol Israel	17630 17575 15640 11675 11605 11587	seAs/AusNZ/Eu/NA/CA	08/30/91
2000	2130	Sri Lanka	SLBC	15120 9720	Eu	08/24/91
2000	2050	Turkey	V of Turkey	9685	Eu	best bet for eNA
2045	2230	India	AIR	15265 11715 11620 9950 9910 7412	GOS/AusNZ/wEu	08/26/91
2100	2130	Australia	R Australia	17795 15320 13705 13605 11930 11910 11880 6060	As/Pac/PapNG	#7 -0800
2130	2200	Australia	R Australia	21740 17795 15320 15160 13705 11930 11880	As/Pac/PapNG	08/29/91
2130	2200	Ecuador	HCJB	21480 21455 17790	Eu	#2 USB
2200	2300	Australia	R Australia	21740 17795 17715 15320 15240 15160 13705 11930	As/Pac/PapNG	08/29/91
2200	2300	China	R Beijing	9740	Eu	v USSR
2200	0730	New Zealand	R New Zealand Int'l	17770	Pacific	08/26/91
2200	2250	Turkey	V of Turkey	17880 9685 9445 7185	Aus/Eu/NA/ME	#1&3 off to 3 Nov
2200	2400	United Arab Emirates	V of UAE	13605 11965 9600		08/26/91
2200	0100	USA	WCR/2	12160		08/11/91
2230	2300	Israel	Kol Israel	17575 15640 15100 11605 11587 9435	SA/Eu/wNA/NA	08/30/91
2300	2400	Australia	R Australia	21740 17795 17715 15320 15240 15160 11930 11880	As/Pac/PapNG	08/29/91
2300	0300	South Africa	Radio Orion	4810		08/31/91

Changes entered between 07/25/91 and 08/31/91.

ENGLISH LANGUAGE DX SHOWS: By Day of Week
Compiled by Thomas R. Sundstrom, W2XQ

Shortwave DX Program	Show	Xmn	Start	Start	station	Freq	Freq	Freq	Freq	Freq	Freq	Record	
	Time	Time	Country	Time		#1	#2	#3	#4	#5	#6	#7	Last Updated
* DAY OF THE WEEK: Sunday													
Communicator	1430	1430	Australia		R Australia	13745	12000	11720	9770	9710	9580	7240	As/Pac/PapNG
DX Corner	2020	2000	Israel		Kol Israel	17630	17575	15640	11675	11605	11587		seAs/AusNZ/Eu/NA/CA
DX Corner	2250	2230	Israel		Kol Israel	17575	15640	15100	11605	11587	9435		SA/Eu/NA/MA
* DAY OF THE WEEK: Monday													
World of Radio	0500	0000	USA		WCR/1	7435							08/11/91
Communicator	0730	0700	Australia		R Australia	21775	21740	17630	15320	15240	11930	11880	As/Pac/PapNG
* DAY OF THE WEEK: Thursday													
Mailbag	0830	0750	New Zealand		R New Zealand Int'l	9700							08/26/91
* DAY OF THE WEEK: Friday													
Communicator	0430	0330	Australia		R Australia	21775	21740	21525	17715	17630	15320	15240	As/Pac/PapNG
Communicator	1030	1000	Australia		R Australia	25750	15365	15170	15160	13605	9580	7140	As/Pac/PapNG
World of Radio	2130	1100	USA		WCR/1	15690							08/11/91
* DAY OF THE WEEK: Saturday													
World of Radio	0130	0100	USA		WCR/2	7520							08/11/91
World of Radio	2330	1100	USA		WCR/1	15690							May move to Su 0030 08/11/91

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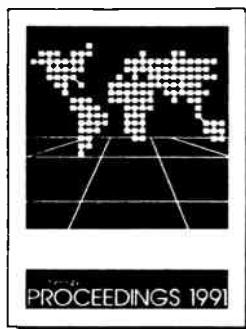
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Reviews of the classic Racal RA-17, the ICOM R-9000, and a critical first look at the McKay-Dymek DR-333 "black box" receiver.

A detailed compendium of modifications to improve and upgrade the Japan Radio Company NRD-525 receiver.

In-depth features on the Bolivian shortwave broadcasting scene and international mediumwave DXing from the East Coast of North America.

A guide to shortwave listening



on-the-go with the Philips DC-777 car radio.

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A review of the ICOM R71A receiver from a 1991 perspective that's must reading for anyone considering the purchase of this shortwave radio.

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Executive Director: Bob Brown, KW3F
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Executive Council: Jerry Berg, Bob Brown,
Dr. Harold Cones, Gerry Dexter, Kris Field,
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EDITORIAL STAFF

Editor-In-Chief: Dr. Harold Cones, 2 Whits Court,
Newport News, VA 23606
DXer's Forum: www.naswa.org

NASWA Awards: Richard A. D'Angelo, 2216
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