

NASA

the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

Volume XXXII, Number 8

August, 1992

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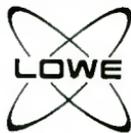
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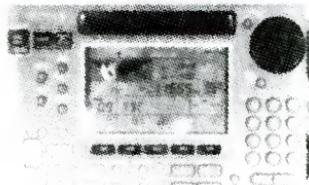
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NASWA Notes

Bob Brown KW3F
238 Cricklewood Circle
Lansdale, PA 19446
CompuServe 74756,1557
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Greetings! I'm sure many of you have had a vacation that didn't work out exactly as planned. You prepare yourself for a restful and peaceful time and it turns out to be chaotic. Well, the Brown family has finally experienced such a vacation. Gail wrote a Musing this month about this so I'll let her tell the story. I would just like to thank all of you who were concerned and called and sent cards, letters, Email, flowers, etc. This radio hobby has truly created a lot of great friendships for us - Thanks Again!

This Is A Test

Bill Oliver and I have had repeated discussions concerning our US Postal System and it's relationship with *The Journal*. Sometimes we have members on the West Coast that receive the book 2 weeks prior than some members 300 miles away. Discussions with the post office have alluded to the fact that maybe *The Journal*, even though it has a First Class meter on it, goes in the Third Class bins after it leaves Levittown. First Class mail is the primary reason for our

dues increases and limitations on page count. I'll let Bill describe to you what we are going to try:

"If things go according to plan, this month we will begin a two or three month experiment with Third Class Mail. The mailing procedure is much different than that used for First Class so I need the first month to learn the ropes. After that I'll be able to tell if this will work for NASWA. The post office has assured me that it will and if it does, it will put an end to the run of rate increases we've had and also allow us to finance suggested improvements in *The Journal*. If it turns out to be a disaster, then I've learned something. It is possible also that we may use Third Class in the summer and First Class during the DX season, but first I have to see if it works at all."

So there you have it. If you experience an extraordinary difference in your receipt of *The Journal*, please let Bill know. The usual mailing date from Levittown is the Friday following the editor's deadline (which is

Welcome to the following new NASWA members -

David E. Alcox, Waterford, PA
Thomas James Arey, Cinnaminson, NJ
H. Dennis Beaver Esq., Bakersfield, CA
William F. Buysse, Centerport, NY
Jack R. Corbin, Las Vegas, NV
Raymond Dahlin, Westmont, IL
Dave Frenz, Milwaukee, WI
Gervasio L. Garcia, San Juan, PR
Christopher Guarino, Thousand Oaks, CA
Dennis Hamilton, East Orange, NJ
Gregory Harrop, Seattle, WA
Harold Hibard, Downey, CA
Mr. George C. Hopkins, Ashland, MA
Robert M. Jones, Austin, TX

Julian A. Koplen, Danville, VA
Roger W. Lewis, Hamilton, MT
Stephen Lord, Cambridge, OR
Patrick Martin, Seaside, MA
Jon Price, Reynoldsburg, OH
Peter H. Spader, Dunmore, PA
Hugh Stevenson, Binghamton, NY
Jim Stimeck, Medford, NJ
Carl A. Trebby, Arlington, MA
Richard Urena, Northampton, MA
Walter Villafane, Luquillo, PR
Eric M. Walton, Vancouver, BC
David C. Weaver, Kirkville, MO

Our Motto is - "Unity and Friendship"

always the last Saturday of the month). With the issue you are holding, the editors deadline was July 25th and it was mailed from Levittown on July 31. I'd also be curious if you see no difference. Perhaps you could drop a postcard to Bill if you have comments. Remember, this is only a test. The only way to find out if it works is to try it. I would imagine that some members might suggest offering 2 separate dues amounts, one for 1st class and one for 3rd. The handling of that would be difficult and much more time consuming on this end. Let's see how this goes.

New Company Store Offerings

I am pleased to announce 2 new additions to our Company Store. NASWA member **Harry Helms, AA6FW** has been writing about the radio hobby for some time now with over 20 books about radio to his credit. He has a unique style that makes his books interesting and fun to read. NASWA will now be offering 2 of Harry's books, *Shortwave Listening Guidebook* and *All About Ham*

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)

Radio. Shortwave Listening Guidebook (\$16.95 + \$3 s/h NAM, \$5 elsewhere) has become the bible for SWLing. Written in non-technical language, it covers equipment, antennas, propagation, station profiles, utilities, clandestines, QSLing etc. *All About Ham Radio* (\$19.95+\$3 s/h NAM, \$5 elsewhere) is written in a friendly, humorous style without the stiff formality, wordiness, and extensive math that makes so many other books on ham radio boring. Both books are available now from **The NASWA Company Store, 2641 S. Shields St., Philadelphia, PA 19142.** All checks payable to NASWA.

Upcoming HamFests

- | | |
|--------------|--|
| August 20-23 | ARRL National Convention, Los Angeles, CA, Sandy Heyn, WA6WZN 962 Cheyenne St., Costa Mesa, CA 92626 |
| August 23 | Greater Cincinnati ARA, Cincinnati, OH, John Haungs, WA8STX 10615 Thornview Dr., Cincinnati, OH 45241 |
| August 23 | St. Charles ARC, St. Charles, MO, Eric Koch, NF0/Q 2805 Westminister, St. Charles, MO 63301 |
| August 29 | Cooke County Amateur Radio Rpt., Galnesville, TX, Jim Britt, AA5LU P O Box 128, 400 Murdock, Collinsville, TX 76233 |
| August 30 | Vermilion County ARA, Danville, IL, John Cunningham, WA9WJG 1703 E English, Danville, IL 61832 |
| September 6 | Iowa-Illinois Amateur Radio Clubs, Burlington, IA, Chuck Gysi, N2DUP P O Box 974, Burlington, IA 52601-0974 |
| September 12 | Statesboro ARS, Statesboro, GA, R. D. "Rick" Franks, N4XTP P.O. Box 402, Brooklet, GA 30415-0402 |
| September 12 | Ft. Wayne ARC, Ft. Wayne, IN, Frank Jaworski 3923 Oakleaf Dr., Ft. Wayne, IN |
| September 12 | Radio Assoc., of Erie, Erie, PA, Tom McClain, N3HPR 3954 Solar Dr., Erie, PA 16506 |
| Sept. 12-13 | Platinum Coast ARS, Melbourne, FL, H.E. Redding 302 Riverside Dr., Melbourne, FL 32951 |
| September 13 | Butler County ARC, Butler, PA, Gerald Wetzer, W3GXQ 784 Mercer Rd., Butler, PA 16001 |
| September 13 | Bolingbrook ARS, Joliet, IL, Marti Barton, KA9ZJJ 345 Gehrig Circle, Bolingbrook, IL 60440 |

Calendar Of Events

- Aug 14-16** - CIDX (Canadian International DX Club) 30th Anniversary Convention in Montreal. Events include a banquet on Friday evening and a tour of CBC headquarters and RCI. The weekend will conclude with the 4th Annual Montreal International Radio Festival on Sunday, August 16 at the Centre St. Pierre, 1212 Panet Street, Montreal. A special event amateur radio station using the club call VE2AQP will be operating from the site of the festival throughout the day on 15, 20 and 40 meters. Special commemorative certificates will be issued to amateurs working the station, or SWLs who report. Reports should be sent to CIDX, 79 Kipps Street, Greenfield Park, Quebec J4V 3B1. An IRC or \$1 with your report is appreciated to offset postage and printing. Contact Sheldon Harvey (514) 462-1459
- Aug 18** - Meeting, N.E. Ohio SWLs. Cuyahoga County Library, 9089 Brecksville Rd., Brecksville, OH (Rt. 21, just South of Rt. 82). 7:00 PM. Contact Mike Fanderys (216) 661-2443
- Aug 21-23** - The 1992 IRCA (International Radio Club of America) convention to be held in Huntsville, AL at the Holiday Inn Research Park, 5903 University Dr., Huntsville, AL 35816. Room rates: \$45+ 10% lodging tax for either (1) A room with two double beds or (2) A room with one king size bed. Call 1-800-845-7275, M-F, 8:30AM-4:30PM CDT for reservations. Convention fee of \$25 made payable to IRCA includes Saturday night banquet and refreshments during the convention. Contact: J.D. Stephens Home: (205) 650-0642 Work: (205) 961-4353.
- Aug 21** - Meeting, Boston Area NASWA Chapter, GTE Labs, Waltham, Mass. For additional information please contact Paul Graveline (508) 470-1971, or via modem on Tom's BBS, (617) 698-8649 (300/1200/2400 baud), (617) 698-8734 (9600).
- Aug 21** - Meeting, Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- Aug 22** - The Miami Valley DX Club (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC Newslite at (614) 471-9973 (24 hrs.) Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
- Oct 2-4** - 1992 Monitoring Times Convention at the Omni Hotel at CNN Center, Atlanta, GA. \$40 registration fee, \$21.95 banquet fee. Contact: Monitoring Times Convention Registration, P.O. Box 98, Brasstown, NC 28902-0098 (704) 837-9200

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

Musings

This column provides a forum whereas members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months), or use next month's theme as a basis for your discussion. Next month's theme is - "My Most Memorable DX Catch". The monthly theme is only used as a suggestion for discussion. Any other items of interest to members may be also submitted. Because I edit this column, I'll jump in with responses where appropriate.

Jennifer Enright-Ford, 413 S. Franklin St., Oconomowoc, WI 53066

Confessions of a Rank Beginner

As I read the Journal, a few thoughts come to mind... I've never built a Heath kit, have no QSLs from the 40s and am 0 for 100 on my attempts to pick up pirate radio... I MUST BE IN THE WRONG HOBBY!!!! I am very new in the love of radio and I continue to hope that my lack of an electrical engineering degree will not be a total roadblock to my pursuit of this very addictive pastime. I am a 36 year old Registered Nurse, native New Jerseyan; I acquired my first radio, a Sony 2010, only 10 months ago as a gift from my husband Dean to combat the long and cold Wisconsin winters and to pacify my wanderlust for far away places. I found myself so addicted that I took a second nursing job to buy a bigger tabletop radio. I am now the proud owner of an R8 with an Alpha Delta 60' sloper antenna.

I can hear the moans: "all that radio and so little knowledge!!" -- it's true that I have a lot of dues to pay and hours to log before I am worthy of this radio but I worked hard for it and I really love it. My short term goal is to get that elusive Icelandic radio 15 minute English broadcast at 0730 that I keep failing to even get a whisper of! As a night nurse I am glad to have a hobby that I can pursue on my nights off. Even though most of my logged stations are what you would call "Easy Listening", I do get a thrill with each new station and country. I do possess one lone QSL-- from Malta --but I just as much enjoy receiving schedules and stickers.

I hope that other beginners will speak up and be counted for -- it really is a hobby worth staying with; take heart from this neophyte that there are others out here struggling to learn!

P.S. I love the covers of the Journal -- sometimes it's one of the only things I understand!!!

-- We were all "rank beginners" at some point Jennifer so I think we can all identify with your comments. If you or any other newcomers to the hobby want to see specific topics covered in The Journal, please let us know. Your needs may just inspire another member to write a feature covering that topic.

Richard O Wallace, 12 Madison Ave., #8, Danbury, CT 06810

The three programs that I've heard about the SW hobby are, HCJB's, Radio Beijing and Radio Netherlands. There are others of course, but I haven't had the opportunity to hear them. Of the three mentioned, I felt that HCJB's was the most DX oriented, with RN a close second. Unfortunately, this is one area of the hobby I'm not familiar with. Maybe I should be. The main reason why I'm not too concerned about DX programs is that other than schedule changes, they aren't saying much. If on the other hand a program would say that a listener living in New York picked up Radio Cook Islands, then that would get my attention. The reception content such as receiver, antenna and time would be most helpful.

That kind of info I get in the logs section. Something like that may be useful to the gent that lives at the bottom of the Rockies in Colorado. He could read what others in his area are hearing, and then try to find out what they're doing that he isn't. A suggestion to him might be a delta wire antenna pointed S-SE. He might be able to contact someone in his area who's either a fellow listener or a ham to experiment.

One other comment I have is for the person that has a couple years or more in this hobby. I find that I have accumulated a pile of frequency logs, company store reprints, books and other trivia. I tried to make some sense of it by purchasing one of those open file boxes for hanging files. It has been a lifesaver. It has definitely been one of the best investments I've made in this hobby.

My choice of files are: Log folder...reception logs, qsl logs, stamps, copies of reception letters I've sent. Awards folder: Naswa country list and my totals. Radio Manuals; Tube Radios; Program schedules; Reprints and general articles. All this fits in one file box. It's a lot better than appropriating the empty space in the attic, closet, basement or garage where everything is always out of reach, and invariably in someone else's way. That's how shoeboxes filled with qsl cards get thrown out.

But anyway, sometime I have to go through all this stuff. Purge the old and make room for the new. It's not too difficult to throw out last year's schedule, but what about that reprint from 1974? One possibility is to talk to the local college or public library. They might create a file in their periodicals section for that kind of thing. The same goes for old books on the hobby that you don't want any longer. Libraries and colleges love free donations. If they take your stuff, you might get a nice thank you letter from the library as well. This has worked for me.

Jodi Rodriguez, 11334 Prest, Detroit, MI 48227

As I mourn the death of my favorite SW radio, I reluctantly use one of my real cheap emergency radios. At least until I buy another good radio.

I turn the knob to my favorite DX program - World of Radio, which is, by far, the best on the dial. Thanks to Mr. Hauser I can safely say I am coming of age as a new SWLer and DXer. His program is well put together and very informative. I don't have a least favorite. I've only heard a few. I do know that Signals needs to cool it with the jingles and so-called comedy. It's really pathetic.

Gail Brown, 238 Cricklewood Circle, Lansdale, PA 19446

How I Spent My Summer Vacation

During this past month, the Brown family embarked on its annual visit to the Eastern shore of Maryland. Shortly after our arrival I was unexpectedly transmitted to the local hospital where I spent the next 5 days waiting to have a pesky gall bladder removed. The waiting was far worse than the operation and I was really cheered by the cards I received.

People are always asking me how I put up with Bob and his radio friends for 21 years. Here's how - most of the cards I received were from "Bob's" radio friends! Over the years I have made more friends from radio than I can count and I don't even know how to tune a radio.

So thanks to all of you who sent me cards, called Bob to check up on me and who asked about me on the Net. Your concern and thoughtfulness were really appreciated by me and I know it meant a lot to Bob. After all, this was all much harder on him than on me.

Here's hoping you all have a better summer vacation than I did - Gail

DXer's Forum

Please submit all contributions to:
Bob Brown KW3F
238 Cricklewood Circle
Lansdale, PA 19446
CompuServe 74756,1557
Genie R.BROWN106
Packet KW3F @WB3JOE

This month NASWA clandestine expert Hans Johnson examines criteria to help assess whether a station is really a clandestine. Joe Buch discusses a new light source that may have an impact on future DXing. Nick Grace introduces us to amateur Indonesian broadcasters. Finally Jerry Berg provides some insight into the Canadian Forces Network. **Attention NASWA Members!** I need your articles to keep these pages full! Of particular interest are DXing tips and techniques, station profiles, antenna construction articles, and anything else related to DXing the shortwave bands.

What is a Clandestine Radio Station? A Quick Guide

by Hans Johnson*

Although I have enjoyed listening to clandestine stations for some time now, I have never been able to come up with a concise definition for a clandestine station. Then I remembered that Media Network had reviewed a book on the history of clandestine broadcasting a few years back. I obtained the book *Clandestine Radio Broadcasting*¹ through inter-library and I thought that I might share with you what the authors of this book considered to be a clandestine station. I certainly do not agree with all of their views but hopefully this article will serve as a starting point towards a concise definition of a clandestine station.

First, they tackled what they did not consider to be a clandestine station:

1 - Pirates regardless of their political message are not clandestines. Pirate stations are run by amateurs and not full time political activists and "lack(ing) a political message and intent, the stations should not be considered clandestine".

2 - Stations sponsored by international broadcasters that also happen to be listed in the WRTH should not be considered clandestine either. For instance, Radio Marti would fit into this category.

* 7529 Red Cravat Court
Columbia, MD 21046

3 - Programs of "revolutionary, national liberation, exile groups" are not clandestine stations either. Although they are not listed in the WRTH, these stations/programs operate above-ground, that is, the sponsor and/or location is readily known. The various Voice of Palestine programs fit into this category.

4 - Stations operated by de-facto administrations should not be considered clandestine. "A de-facto administration exists when the legitimate government of a country has disintegrated and been replaced in part by a competing administration." An example of this type of station would be the Voice of Lebanon.

A clandestine station has to meet three criteria: It must be illegal, political and frequently misleading. People studying these stations during the Second World War divided them up into three categories:

White stations - "operate legally and openly identify themselves."

Grey stations - "clandestine station attributed to or purportedly operated by dissident groups within a country."

Black stations - "broadcasts made by one side but disguised as though coming from the other side."

At the same time, a criteria was developed for analyzing clandestine stations based on the acronym STASM.

S - stands for source. Who claims to be the originator? Who is the actual originator?

T - stands for time. What time is the station on? How often is it on? Is there anything unusual in its schedule?

A - stands for audience. Who does the station pretend to address? Is there an "indirect audience" that the station pretends not to address but does?

S - stands for subject. That is, what is the message of the station?

M - stands for mission. What does the station want and what does it hope to accomplish?

I look forward to seeing the opinions of other NASWA members in the Journal with regards to the definition of a clandestine station.

1. - *Clandestine Radio Broadcasting* A study of revolutionary and counterrevolutionary electronic communication. Lawrence C. Soley and John S. Nichols; Praeger, New York, New York 1987

RELEASE

June 1992

Announcing....

Tropical Band Survey 20th Edition, 1992 by the Danish Shortwave Clubs International

The Ontario DX Association is pleased to announce that once again we will be distributing the DSWCI **Tropical Band Survey** in North America. The ODXA is perhaps the only North American source for this traditional tropical band reference.

The 1992 twentieth edition has been edited by Argentine DXer, Julian Anderson and is now available.

The **TBS** lists all broadcasting stations which have been monitored in the frequency range of 2000-5900 kHz, including details such as transmission times and powers. Seasoned tropical band DXers wouldn't be without their copy.

The Ontario DX Association is pleased to offer the **Tropical Band Survey** for US\$10.00 or Cdn\$9.00 postpaid. You may pay in U.S. or Canadian dollars. When you write, also ask for a free copy of our monthly 80-page magazine, **DX ONTARIO**, which includes a list of many other publications and DX aids sold by the ODXA. Simply mention where you read this notice.

Our address is the Ontario DX Association, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8. You may also contact us by telephone or facsimile at (416)853-3169 should you have further inquiries.

Tripping Up The Light Fantastic

By Joe Buch N2JB*

On June 1, 1992 press accounts carried a story about a new lighting development which is supposed to do for electrical lighting what fire did for central heating. That remains to be seen. That's the good news. The bad news is that this development may prove to be a serious threat to the shortwave listening hobby. While it is too early to quantify the extent of the threat, SWLs should understand how the lamp operates and how the interference can be generated by such a device so that informed, rational objections can be filed with the FCC at the appropriate time.

Figure 1 shows a block diagram of the new lamp. As currently envisioned, the bulbs would be direct replacements for common incandescent bulbs, screwing into existing lamps and sockets. Within each bulb is a crystal oscillator and power amplifier driving a coil antenna. For a bulb that emits an amount of

light equivalent to a 100 watt incandescent lamp, the power amplifier drives the antenna with 25 watts of RF at 13.56 MHz. The RF excites the molecules of a mercury vapor gas which in turn emit ultra-violet radiation. This radiation is intercepted by the phosphor

coating on the bulb glass. The phosphor coating then glows emitting radiation in the optical range, i.e. light. This latter process is similar to that which takes place in an ordinary fluorescent tube.

Why would anyone go to the trouble and complexity of using radio frequency (RF) stimulation when fluorescent bulbs that screw into light sockets are already available and similarly efficient? Good question. The company that announced this product says that fluorescent bulbs are inherently less reliable than the new product because

fluorescent lamps contain a filament wire for starting. Elimination of the filament removes the major cause of failure in such lamps. The developer claims mean times between failure in the order of 20,000 hours. Whether the added electronics to generate the RF field would be more reliable than the filament remains to be proven.

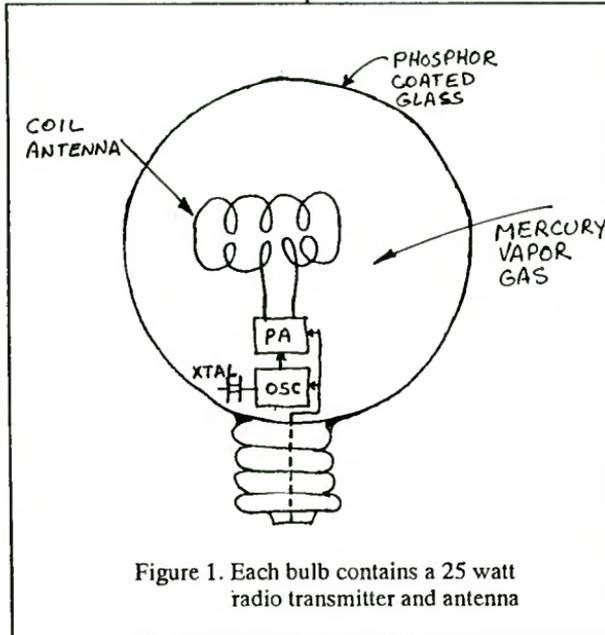


Figure 1. Each bulb contains a 25 watt radio transmitter and antenna

The manufacturer, Intersource Technologies Inc. of Sunnyvale, California, thinks the higher reliability and greater efficiency will offset the higher initial cost through lower power bills and reduced replacement costs.

* 2008 Mozart Circle
Virginia Beach, VA 23454

Intersource also says they expect the bulbs to be submitted to the FCC for type acceptance and that the bulb would meet FCC Part 15 rules regarding incidental radiation. One of the patents is on the coil antenna configuration which is specifically designed to minimize external RF emissions.

The question of whether Part 15 sufficiently restricts radiation to permit DXing in the vicinity of such a device is a valid one that remains to be answered. Previous experience with light dimmers, touch control lamps, and fluorescent lamps would tend to cast a cloud on the effectiveness of Part 15 limits. When operating such devices in close proximity to sensitive receivers, with signals near the receiver noise threshold, Part 15 may not be good enough.

Old time radio amateurs (like yours truly) will remember a problem which was common with mercury vapor rectifier tubes. These devices (types 866, 816, 83 and others) were notorious emitters of broadband white noise hash. The problem was so bad that most ham power supply designs included hash suppression filtering in addition to the normal DCripple filters. Many designs also provided the capability to switch off the AC to the rectifiers during receiving periods to eliminate interference. The American Radio Relay League (ARRL) handbook for 1952 says, "Rectifiers of this type...have a tendency toward a type of oscillation which produces noise in nearby receivers. This can usually be eliminated by suitable filtering". Thus, even though the new lamp's RF power amplifier may be pure and harmonic free, the ionized mercury vapor could emit the same kind of broadband white noise that was characteristic of the old mercury vapor rectifiers. This noise would likely couple into the electrical wiring to be radiated into the receiving antenna.

Hope exists that the new bulb will not be economically viable. A spokesman for General Electric Company's Lighting Division, quoted in the Washington Post, said the idea was not marketable at this time. As a competitor making both incandescent and conventional fluorescent bulbs, GE is probably not exactly an unbiased witness. GE's opinion should thus be taken with a handful of salt. But a

simple economic analysis does reveal that the new product may not make economic sense.

Depending on general economic conditions, the high initial cost of the bulb may never be recovered. There is a rule of thumb that a product must sell at 10 times the parts cost to have any hope of being profitable. This pricing covers assembly cost, amortization of research and development expenses, advertising, distribution, and profit at each level of the chain. Even if the lamp could be limited to \$3.00 worth of parts, a street price of \$30.00 would be indicated for the finished bulb compared to \$1.00 for an ordinary 100 watt incandescent bulb. With a 75 watt power saving the bulb would have to burn for 6444 hours to save \$29.00 in electricity at \$.06 per KWH. At 3 hours a night, it would take almost six years to recover the initial investment.

Assuming that the \$29.00 could have been invested at 4% in a tax free bond, that same \$29 would have grown to over \$36 in those same six years. The \$7 gain could be applied to the cost of 7 new incandescent bulbs during the same time period. Incandescent bulbs typically have a 1000 hour mean time between failure. If the interest rates were to return to 14% or greater, the time to recover the initial investment becomes infinite. If electrical costs increase, the payback period would decrease. Thus the economic success or failure of this product will largely depend on the future price of electricity and prevailing interest rates. Both of these factors are outside the control of Intersource Technologies. Will people be willing to invest in a device of unknown and unproven reliability which must survive six years or more to make the purchase pay off? Let's hope not.

In the mean time the new bulb has attracted the attention of the ARRL, the USA's amateur radio national organization. They have committed to conduct tests on engineering samples as soon as they are available. The ARRL has the resources not only to test the bulbs but to provide the FCC an independent evaluation of the interference potential to be expected. This column will keep NASWA members informed of the results of these tests and what we as a group can do to influence the FCC. Stay tuned.

Indonesian "Amatirs"

By Nick Grace*

Pirate radio, as we in the West have come to term it, is quite popular in Indonesia. It is not defined as its counterpart in North America or Europe, but equally specialized, if not more active. In Bahasa Indonesian, these stations are appropriately called "amatirs", or literally amateur broadcasters.

For such a large and underdeveloped country like Indonesia, communications are vital. Although it covers three time zones, it is "all water", as goes a popular joke in Jakarta, the capitol city. There lies some truth to this however. The archipelago is comprised of 13,677 islands, many of which are isolated, creating a communications problem. CB and ham radio are very popular for both pleasure and emergency, easing the dilemma somewhat. There is an uncountable number of CB operators in each of the major cities, along with nearly 6,500 licensed hams.¹ This has created a demand for transmitting equipment. According to college student Hanita Hadinata, "it's so easy to buy a transmitter in Indonesia. You just go to the local electronics store, pay (the equivalent of) \$15, and there you are."² Ex-amatir and fellow American university student Hari Soryana further stated, "there are no strict regulations like in the United States. Everyone can get a radio-transmitter, but... we have a lack of (modern) technology." Even so, the Minister of Communications has more to do than chase amatirs. Last May, Soryana watched the second Indonesian satellite being launched. Before the government spends time enforcing the radio, it is trying to industrialize. Ironically, there is an amatir from Jakarta called Radio Satria Bhayangkara which both students said is being run by a police department!

The only time an amatir has to worry about being closed down is if they operate on FM radio. In Indonesia, a common social complaint is that "the rich get richer and the poor get poorer."³ And according to Soryana, FM radio attracts more money than AM. Legal

FM stations concentrate themselves around the major cities, where most of the money is transacted, while the AM outlets spread themselves out, targeting the rural audience. Like the rest of the world, FM entertains while AM informs. The government, therefore, is more willing to enforce FM radio more than AM. Soryana knew of Radio Manis (Beautiful), which operated on FM for a matter of weeks before their equipment was confiscated two years ago. There are no records of an AM amatir being shut down, nor could he recall of any. These stations operate much more out in the open. The aforementioned Radio Satria Bhayangkara operates on AM, as does Radio S.T.I. di Bogor and Himpunan Bhakti Sosial (both university-sponsored operations).

The audience of the amatirs distinguishes their programming. While legal AM stations target at an older audience, FM is filled with Western rock music. Rare is the FM station that regularly plays traditional music, which the same can be said of the amatirs. Their audience, on the whole, are their friends who share the same taste in music (even though these stations have been known to propagate once in a while into Australia). Such stations as Radio Primadona, Klundkung, Radio El-Mandera and Radio Around have borrowed FM-style names. "The government stated that every legal station must broadcast government news on the hour," Soryana said, "It gets very boring... (the amatirs) don't have any government information -- news, weather, etc. -- only music... it's nice because they have no interruptions."

It can be said that 90 percent of all the amatirs are college students. Some just use their station as a pastime, but a good number have announcing aspirations, Soryana said. "Their music as always from a tape recorder, of course, so ... (the production) is kind of bad." In terms of audience relations, he went on to say that "if you don't perform well, you

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1. Callbook, p. 23A

2. All quotes not footnoted are from personal interviews

3. Palmer, p. 33

won't have an audience." When asked about the possibilities of contacting an amatir for a QSL, he continued, "it's possible... but they're on for pleasure or for practice to become professional. Like Radio S.T.I. di Bogor was built for students operated by the school with the curriculum."

There are lots of stations on AM, but the ones that play only music are the amatirs," Hadinata summed up. Although the audience relations of Western pirate stations is more definite than the amatir's, Indonesian "underground" broadcasting is just as popular, if not more legitimized.

Valuable information supplied by:

Bryant, John; Survey of SWBC Activity in Indonesia 1992; Oklahoma City, OK; Fine Tuning Publications; 1991

Evans, Donna; Radio Amateur Callbook 1990; Lake Bluff, IL; Radio Amateur Callbook, Inc.; 1989

Palmer, Ronald D. and Thomas J. Reckford; Building ASEAN; New York; Praeger Publishers; 1987

Canadian Forces Network

By Jerry Berg

Recently, SW listeners have been able to catch a glimpse of a radio organization that they seldom see. It is CFN/RFC—"Canadian Forces Network/Reseau des Forces Canadiennes"—the radio and TV voice of Canadian Forces Europe, serving military personnel and their dependents on NATO duty in Western Europe. Lately, CFN/RFC has been producing part of a half-hour program for Canadian Peace Keeping Forces in Yugoslavia which is broadcast by RCI over its regular transmitters at 1900-1930 UTC on 5995, 7230, 13650, 15325, 17875 and 21675 kHz. CFN/RFC broadcasts are intended to reflect the Canadian Forces Europe community, and help listeners stay in touch with Canada and integrate more comfortably into the European milieu.

CFN/RFC dates back four decades. In 1951, the Canadian Department of National Defence requested CBC to provide radio programs on shortwave and tape for rebroadcast by Armed Forces stations in Korea, England, France and Germany. By 1956, six stations had been established to serve air bases from Metz, France, and army bases from Werl, Germany. The CBC's Northern and Armed Forces Service contributed both programming and specialist managers. When Canada's NATO Forces were consolidated at Lahr and Baden-Soellingen in 1967, CFN/RFC assumed its present form. After several experiments, CFN/RFC-TV hit the air in 1981.

The network center in Lahr, CFN/RFC Radio, broadcasts in English and French over two FM transmitters, and feeds network programming to affiliated stations CFNS/RFCs in Baden-Soellingen and CFNB at Brunssum-Geilenkirchen, as well as two repeater transmitters at Heidelberg and Ramstein. CFN/RFC-TV in Lahr and CFNS/RFCs-TV in Baden-Soellingen provide Canadian TV programming in English and French.

Responsibility for CFN/RFC is vested in the Commander, Canadian Forces Europe, and, at National Defence HQ in Ottawa, in the Director, Physical Education Recreation and Amenities (DPERA). Through Radio Canada International, the CBC provides programming, technical, personnel and administrative support. The director of CFN/RFC, a CBC employee seconded to the Department of National Defence, heads a professional civilian staff of announcers, technicians and managers augmented by volunteers from the community.

About half of CFN/RFC radio programming originates with the domestic networks of the CBC and La Societe Radio Canada, taped and edited by a small production team at RCI, Montreal, and shipped to Europe by Canadian Forces aircraft. Local information and entertainment programs are produced in Lahr, Baden-Soellingen and Brunssum. Broadcast News wire service and live feeds of CBC radio news assure coverage of Canadian and international events.

Although under NASWA station and country counting rules the SW program for Canadian Forces in Yugoslavia would not count as a separate station or as "Germany" (it's the transmitter location that counts), reports on the program can be sent to CFN/RFC at Jammstrasse 9, 7630 Lahr, Germany. The station does not have QSL-cards as such, but it has replied to reports on the SW program with a friendly letter, along with a CFN/RFC sticker and a folder about CFN/RFC (from which the information for this feature was taken).

DX Target



Radio Centras Eastern Europe's First Commercial Broadcast Station

By Richard A. D'Angelo

Until recently, commercial broadcasting in the former Soviet Union and Soviet bloc countries was non-existent. Rigid control by the Communist Party in this region made commercial broadcasting ventures impossible. Only with the collapse of the former Soviet Union has a new dimension in broadcasting been allowed to develop in Eastern Europe. Radio Centras became the first commercial broadcaster from this area. Located in Lithuania, the station boasts many broadcasting "first" accomplishments which make it an interesting and colorful addition to the shortwave spectrum. This DX Target will focus on Radio Centras which has been the first of many broadcasters to break ground in what was once the world's most tightly controlled broadcasting environment.

The Country

Lithuania is located on the eastern shore of the Baltic Sea. It covers 25,170 square miles or 62,200 square kilometers and has a population of less than 4 million people. Most of Lithuania's people live in the central and southern parts of the republic. Vilnius, the capital and largest city, lies along the Neris River and has a population of 700 thousand inhabitants.

The Land

Most of Lithuania consists of flat or gently sloping land. The highest elevations are located in the southeast. The land dips down to the central lowland and rises slightly in the west. The white sand dunes along the seacoast provide a popular resort area. There are about 3,000 small lakes and hundreds of rivers. Lithuania has no large important mineral deposits. Its natural resources include clays and sands, gypsum, limestone, peat and amber. About a fourth of the land is covered with

forest.

January is the coldest month in Lithuania with average temperatures from about 27- Fahrenheit, or -3- Centigrade, on the seacoast to 21- Fahrenheit, or -6- Centigrade, in the east. July is the hottest month with average temperatures of 61- Fahrenheit, or 16- Centigrade, near the sea and 64- Fahrenheit, or 18- Centigrade, in the east. The average annual precipitation ranges from 21 inches, or 53 centimeters, to 34 inches, or 86 centimeters.

The People

About 80 per cent of the people of Lithuania are Lithuanians which is a nationality group that has its own customs and language. About 9 per cent of the population are Russians and a somewhat smaller per cent are Poles. About 90 per cent of the Lithuanians are Roman Catholics. Most of the rest belong to the Lutheran Church or another Protestant denomination. The country's culture developed under Roman Catholic influence. Consequently, Catholic traditions remain part of the people's lives despite many years of Soviet dominance which discouraged religious activities.

The Station

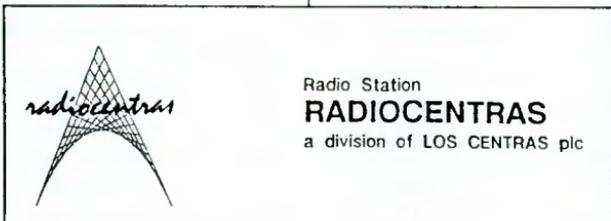
Radio Centras began broadcasting on 31 January 1991. Although only a short period of time has passed since its inception, the station can make the claim that it is "the longest-operating commercial radio station in Lithuania." The station operates 24- hours a day on 101.0 MHz and 0800-2400 UTC on 71.81 MHz in the FM band. Radio Centras operates on a nationwide FM network from 1400-2100 UTC from 4 kilowatt transmitters in Vilnius, Klaipeda, Siauliani and Visaginas. Future plans call for the addition of relays on a nationwide cable radio network and medium

wave transmitters in major Lithuanian cities.

However, for shortwave listeners the transmissions in the 31 meter band are the most interesting broadcasting aspect of the station's schedule. Shortwave broadcasts from Radio Centras on 9,710 kHz use a 50 kilowatt transmitter located at Sitkunai. The station is the first commercial

broadcaster in Eastern Europe to use shortwave to reach an international audience. Radio Centras broadcasts in English, German and Esperanto during the 0700-0800 time period. There is a special non-commercial English program broadcast once a month. The station has received letters from Europe, North America, Australia and the Pacific.

Programming consists of music, news and commercial announcements. The station broadcasts mainly in Lithuanian but also carries English, Russian and Polish features. About 80% of the programming is allocated to music. The station plays mainly pop, rock, and easy listening music styles. A program of Lithuanian and World News is carried on the hour. Radio Centras features live call-in programs and radio quiz shows. In addition, short features about sports cars, cosmetics, etc. and press reviews round out the program line up. There are ten full time employees and about 30 free lance DJ's and journalists at Radio Centras. The station would be appreciative of any good will sponsorship the international listening community could offer. Due to the stations' poor economic situation, Radio Centras needs CDs of various kinds of music, FM exciters, FM boosters, professional reel-to-reel and cassette recorders, CD players



and other studio equipment.

For those with an interest in advertising on Radio Centras the costs are US\$29.00 for a 30 second commercial on the Vilnius transmitters and US\$39.00 for a 30 second commercial on the nationwide network. The station will gladly rebroadcast

foreign radio station programs on FM in Vilnius at a negotiated price.

Radio Centras is a friendly organization offering studio tours to listeners that visit the station at the Vilnius Press House (Laisves Ave. 60, 18th Floor, Room 1807). The station has been a good verifier of listener reception reports since it has been on shortwave. The best time to listen for program details is the last Saturday of the month English broadcast which is carried on 9,710 kHz at 0700-0800 UTC. A mailbag feature will announce the names of many familiar DXers that have written to the station. Reception reports, which should include two International Reply Coupons to defray postage expenses, can be sent to:

Radio Centras
Box 1792
LT-2019 Vilnius
LITHUANIA

Good luck with this DX Target. Remember to send all those logs of Radio Centras to Wallace Treibel for inclusion in his International Band Loggings column and those QSL's to Sam Barto for his QSL Report column.

FOR SALE: ICOM R-71A. Gilfer customized with 4.0 kHz filter and Pre-Amp effective in AM band. A-1 shape. Price of \$600.00 includes shipping. Also Customized Beam Headings (from/to) and distances (MI/KM) to over 475 WRTH-92 transmitter sites including new Russian Republics. ITU Country Codes included. Send your location or coordinates, \$6.95. Also WRTH-91, \$10.95. Complete "Passport to World Band Radio" '89 and '90, \$6.95 each. NASWA Journal '91 complete, \$11.50. All items include shipping. Cashiers check or money order, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (704) 894-3398.

Latin Destinations

Don Moore
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Hola amigos! Welcome to the August Latin Destinations. If you do much listening to your local AM/FM stations, you know that we have different categories of stations in the US. The most predominant are the commercial broadcasters, but there are also a lot of religious and educational stations. In Latin America too, there are several types of stations, but because the culture and social reality is different, the types of stations are different too. Understanding what the different types of stations are can help the Latin American DXer better identify and appreciate what he/she hears.

Certainly there will always be differences of opinion as to how to categorize things like radio stations. A favorite article of mine on the subject is "Hacia una Tipologia de la Radio en America Latina" (Towards a Typology of Latin American Radio) by Jose F. Perez Sanchez. This article appeared in issue #24 (April-June, 1984) of CHASQUI, an excellent journal of Latin American communications studies published in Quito. I'm going to summarize, paraphrase, and freely translate Perez's categories, and add my own comments and examples.

Perez calls his first category "Radio Internacional", and it includes Latin America's few international broadcasters. These are SW stations with a few exceptions, such as Trans World Radio's MW station in Bonaire. I think it is significant that Perez says "These stations are generally oriented to the middle and upper classes, with good SW receivers, with interest in and knowledge of these stations' schedules, and with a habit of listening." SW listening is not a pastime of the lower classes. He goes on to point out that these stations are generally operated by either governments or religious organizations, and their staffs are dedicated and highly professional.

The second category, "Radio Nacional" are government-owned domestic broadcasting stations, usually dating to the 1930-40s and modeled after European state-

run broadcasters (e.g. the BBC). The "Radio Nacional" stations claim to be broadcasting to their entire countries, but their usually refined, cultural styles limit their actual audiences. Programming includes news, classical music, art and history programs, literature, and frequently transcription programs from the big international broadcasters (BBC, VOA, DW, RCI... and often Radio Havana to avoid appearing like a Western flunkie!). These stations are financed by government taxes, are commercial-free, and usually have well-trained staffs. Being the official voice of the government, these stations are almost always named "Radio Nacional". Exceptions are Uruguay, where SODRE is the official station, and Bolivia where it is Radio Illimani. There are three other privately owned stations in Bolivia named "Radio Nacional". "Radio Nacional" stations usually operate on SW, MW, and FM.

We should all be familiar with the next category, "Radio Comercial", the commercial broadcasters. These range from stations like Radio Rumbos, Venezuela or Radio Globo, Brazil, which are the flagships of huge national chains, to tiny part-time unlicensed backroom operations in the Peruvian Andes. These stations broadcast news, music, ads, and other items of interest to the general public. Announcers are hired simply because they have a good voice for radio, and they learn their profession on the job. Normally "Radio Comercial" stations depend on advertising for all their support, but a few trade unions and political organizations subsidize unprofitable commercial stations to keep their organization's voice on the air. These stations almost always use AM, sometimes FM (sometimes in parallel with the AM frequency), and, in some rare cases, shortwave. However, because there are so many commercial stations, those few "rare cases" actually add up to quite a number of stations. Good examples of typical mid-sized commercial broadcasters are Ecos del Torbes

in Venezuela and Radio Reloj in Costa Rica.

With our next three categories, there is some overlapping and shades of gray. Perez categorizes religious broadcasters as "Radio Confesional", however not all stations owned by religious groups are religious broadcasters! The 'raison d'etre' of a Radio Confesional is to evangelize the people, from either a Roman Catholic or a Protestant standpoint. Programming is truly religious, with religious music, sermons, talks, etc. Usually these are only listened to by the already-pious and converted, unless the religion is packaged into an entertaining format. Private and church-sponsored donations keep these stations on the air. Radio Confesional stations use AM, and often SW too. Most Protestant stations in Latin America, such as HRVC and TGNA in Central America, and some Catholic stations, like Ecuador's Radio Jesus del Gran Poder and Radio Paz y Bien, fall into this category.

Perez's next category is "Radio Educativa, Cultural, or de Servicios". Again, AM and FM is the primary mode, but many also use SW. There are two related types of stations in this group. First there are university or government owned cultural stations, such as Radio Universidad de Sonora in Mexico or Brazilian Radio Cultura de Sao Paulo, which broadcast cultural programming aimed at the middle and upper classes, similar to public radio in the US. The other sub-category are true educational stations, aimed at the under-educated lower classes. Sometimes these are government-owned, as is Mexico's Radio Educacion, but more often they are operated by social groups, especially the Roman Catholic Church. The first such station was Catholic-owned Radio Sutatenza in Colombia, which closed down a few years ago because of financial troubles, after a long successful history.

Current Catholic educational stations in Latin America include Ecuador's Escuelas Radiofonicas Populares and the various Radio Educacao Rurals in Brazil. Because the church-owned educational stations usually also broadcast a few masses or other religious programming, it is often difficult to know a station's true focus without seeing a large chunk of their daily schedule.

The following category of stations, which Perez calls "Radio Popular" (People's Radio) doesn't have a common counterpart in North America, but is of growing importance in Latin America. To understand these stations, we have to consider Latin American society, which consists of a tiny but very powerful rich upper class, a small-but-growing middle class, and a large disadvantaged but hard-working lower class. A major criticism of the Latin American media is that it is controlled

by the privileged few, and reflects and supports their attitudes and values. It does not support the efforts of the lower classes to improve their lot in life through unions, cooperatives, legal protection, better education, etc.

Radio Popular is said to be an answer to this problem. These are small "grass-roots" stations that are run by active members of the community which they serve. This process is called "participatory communication", in that the target audience produces the programming that it needs and wants. As their primary goal is to promote the social welfare of the lower classes in the face of upper class power, Radio Popular stations are naturally on the liberal or left-wing end of the political spectrum. Radio Popular stations are found on AM, and frequently SW to reach the scattered peasantry. Because their staffs are not broadcasting professionals and their equipment is not the best, these



stations can sometimes sound rough around the edges. Some stations, however, have highly trained staffs thanks to special training programs run by the Catholic church and by Radio Netherlands, which operates a training facility in Quito. The best examples of "Radio Popular" stations are Bolivia's miners' union stations. Stations such as Radio Animas, Radio Nacional Huanuni, and Radio San Jose are integral parts of their towns' local miners' unions, run for and by the miners. They unite the miners, serve as focal points of information during strikes and labor unrest, and have even become centers of armed resistance during right-wing military coups. Another example is Mexico's Radio Huayacocotla, which is run by volunteers from a local civic organization. Again, a gray area exists in that a number of religious and educational/cultural stations have evolved, or are evolving, into "Radio Popular" stations, as the stations and the audiences they serve become more closely intertwined. Religious/educational stations that have evolved into "Radio Popular" stations include Radio Antena Libre in Ecuador and La Voz de Atitlan in Guatemala. La Voz de Atitlan is viewed as enough of a threat to Guatemala's ruling class, that in 1980 the station was trashed and the manager and the parish's Oklahoman priest were kidnapped and murdered by death squads. Even today, the station is closely watched by a military battalion stationed in its tiny village.

Perez's "Radio FM" category obviously refers to hi-fidelity music FM stations. Although FM is beyond the infancy stage in Latin America, it hasn't been around long enough to dominate the radio market as in North America. Still, it is becoming a potent force among middle and upper class listeners in the larger cities. Sometimes these are independent operations, but more often they are co-owned with an AM stations, as in the U.S.

Finally we come to the last category, "Radio Clandestina". Usually Latin American clandestines use SW, as does Colombian Radio Patria Libre or did Salvadoran Radio Venceremos, but there have been political clandestines on AM and even FM too. We may think of these as a rather new phenomena, but the first known clandestine broadcasts in Latin America were in 1933 Cuba. Clandestine stations tended to be few and short-lived though, until the 1950s, when clandestine activity picked up in preparation for the really "hot" clandestine days of the 1960s. The 1970s were very quiet, until in 1979 Radio Sandino ushered in the very active decade of the 1980s. Clandestine stations have rapidly decreased recently, and, DXing aside, hopefully justice and stable peaceful politics will put an end to them.

Well, that's our typology of LAm radio stations. I hope you've enjoyed it - and I hope you find it useful. 73, and Buena Sintonia!
Don

Hardware Bits

by Alan Johnson

GROUND MOUNTED ANTENNA - Ivie Technologies has been advertising a commercial version of their ground mounted antenna which was used by U.S. forces during Desert Storm. The ELPA-3/65 offers broadband coverage from 3 to 65 MHz with no tuner or length adjustment required. Price is \$199 for the basic unit without wire. Contact Ivie Technologies, Inc., 1366 W. Center St., Orem, UT 84057 (801-224-1800) for an information brochure.

DO YOU MISS HEATHKIT? - Townsend Electronics now offers communications kits from the British firm of C. M. Howes. Among their offerings of ham transceivers and antenna tuners is the interesting DFD4 Digital Display kit for older analog receivers. The unit is programmable for various IF frequencies and with the optional PMB4 programmable matrix up to six different receivers can be selected. Price ranges from \$72 for the bare bones display kit to \$117 for the complete unit including case and hardware package. Request a free catalog from Townsend Electronics, Inc., P.O. Box 415, Pierceton, IN 46562 (219-594-3661).

Equipment Review

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SONY ICF-SW77 PORTABLE RECEIVER

Sony has been well-known for producing innovative portable radios, such as the ICF-2001, which introduced keypad direct tuning and the ICF-2010, with its selectable sideband synchronous detection. The ICF-SW77 continues this trend, but the innovative features in this model are found in the memory management software. The actual radio performance is very similar to that of the 2010, but there have been several refinements in the controls. The SW77 was originally introduced in the fall of '91 but was withdrawn from the market after the first of this year due to various customer complaints about CPU problems and distortion in the synchronous detection mode. After ironing out the problems, Sony re-released the radio this spring. Universal Radio provided an evaluation sample of the new version of the ICF-SW77.

FAMILY LINES

The SW-77 shares physical and electrical attributes with both the older 2010 and the newer SW-55. Its size is approximately the same as the 2010, but it shares the contoured cabinet and large front-panel LCD display design of the SW-55. Gone are the combination of "D" and "AA" batteries required for portable operation of the 2010 - the SW-77 powers all functions from 4 "C" cells. Also gone is the need to press either the "AM" or "FM" button prior to entering a frequency via the keypad. Like the SW-55, there's a profusion of front-panel pushbuttons and a flat tuning disc for manual tuning. On the SW-77 it's located in the lower right hand corner. For some odd reason, the little "friction bumps" on the tuning disc are located at mid-circumference, rather than at the periphery where they would provide greater torque.

THE SW-77 AS COMPUTER

Sony has put great effort into developing and promoting "Station Name Tuning", which is a good idea as the number of memories available on radios has grown. The SW-77 allocates its memory in terms of "pages" with each page holding five "Station Names". The name can consist of up to 6 characters which are selected by rotating the tuning disc after entering Editing mode. Each "Station Name" can be assigned up to 10 individual frequencies. HOWEVER - the total number of frequencies that can be stored is 162, so not all "Station Names" can hold a full ten frequencies. In addition to frequency, each memory channel holds the reception mode and meter band designation. One unique feature is the ability to memorize the usual times that the station is broadcasting on the memorized frequency. This time is displayed as a bar across a 24 division scale at the top of the display and if the time of the radio's built-in 24 hour clock matches, the words "On Air" appear on the display. Please note that this time aspect is totally unconnected to automatic operation of the radio — there is a separate 5 channel "Timer Page" to handle unattended operation. One feature of the memory scheme that I found useful was the "Auto Tune" feature — when this function is engaged the radio will automatically select the frequency with the strongest signal when a "Station Name" with more than one stored frequency is selected. There is, however, no way to automatically scan across memory channels stored under differing Station Names. There are also two "Quick Pages" to allow single button tuning of up to 10 frequencies.

The LCD display and clock of the SW-77 are not quite as sophisticated as those of the SW-55. There is no way to compensate for Daylight Saving Time other than reset the clock on the SW-77 (the '55 has a pushbutton to do this). The '77's LCD display lacks the world map/time/

nighttime features of the '55 - these are available non-electronically via a slide-rule display which is located on a flip-up panel at the top of the radio. Under this flip-up door are the clock controls (local vs. UTC, time set, etc.) as well as a LCD contrast control and a button to display the number of empty memory channels remaining.

THE SW-77 AS A RADIO

The ICF-2010 is generally acknowledged as the "gold standard" for portable radio performance. I am pleased to say that I feel the updated SW-77 does nothing but improve on that standard. Even without the increased memory channels and improved means of managing them, the '77 is a refinement of the '2010. The tuning step interval is now 50 Hz, 1/2 that of the '2010, although display resolution is still 0.1 kHz. Sideband selection in synchronous detection is now done by pushbutton, rather than rocking the tuning knob. When synchronous mode is selected, the radio takes about two seconds to "lock" - this takes some getting used to when trying to compare which sideband of a signal gives cleaner reception. Once locked, however, the sync detector is very stable. Unlike the early model I listened to last year, there is no loss of bass response in the sync mode. Isolation between sidebands is excellent, allowing reception of RFPI on the upper side of 7375 kHz when the lower sideband is clobbered by MARS station interference.

The other worthwhile improvement Sony made was to add true variable tone controls. The turnover points are well-set, i.e. boosting the treble control can really improve the intelligibility of female voices when using the narrow filter. The tone controls also allow tailoring the sound when the wide filter or FM modes are used to afford very pleasant audio for prolonged listening. The selectivity of the SW-77 seems to be the same as the '2010 - about 9 kHz in wide and 4 kHz in narrow. Sensitivity is excellent and there is a three-step attenuator which is useful for strong signals or external antennas. There are two selectable tuning rates: 40 kHz/knob revolution in 1 KHz steps in "Fast" and 2 kHz/revolution in 0.05 kHz steps in slow. I noticed no problems with BFO instability in tuning across SSB/CW signals as some people have reported with the SW-55, although there is noticeable "chuffing" in tuning across a band due to the 50 Hz synthesizer steps. There is a great deal of synthesizer noise when tuning in the longwave portion of the spectrum. Like other Sony radios, the SW-77 has automatic scan tuning within a meter band - the radio stops on an active frequency for about one second and then resumes scanning unless the scan button is pressed. The SW-77 seems to not be a battery hog - I was able to get 12 hours out of one set of alkaline batteries with intermittent listening.

THE SW-77 AS A PORTABLE

If it's a portable, why doesn't it have a handle? There is a nice detachable strap that snaps into slots at the tops of the radio's side panels, but unless the strap is left attached, there's no secure, quick, one-handed way to move the radio about. No type of carrying case or slipcover is provided for the radio or accessories. It's just about the same size as the '2010, but is 1/2 lbs. (with batteries) lighter. Personally, this is too big for an airline travel portable, but great for car trips. On a desktop, the radio is very stable, due to a flip-out stand and a soft rubber strip along the bottom edge of the case — the controls can be adjusted without having to use one's other hand to stabilize the radio.

If only the SW-77 were just a little closer to the '2010 in price! Unfortunately the street price is about \$500; \$150 more than the '2010. It's a definite refinement of the '2010 and the SW-77 has five times the number of memory channels, but I'm not sure it's that much better. This price puts the SW-77 in an awkward position, market-wise. That's a lot of money to pay for a portable and if the radio is going to be used primarily at one location, it may be better to consider spending a bit more and getting a true communications receiver. The new Lowe HF-150 at \$600 may provide the same degree of portability with better performance, albeit with the loss of FM band reception. I still think the '2010 offers the best price/performance ratio of the current line-up of over \$300 Sony portables, while the SW-55 packs nearly all of the features of the SW-77 into a smaller case, but lacks synchronous detection. The SW-77 has all of the features, the best sound quality and, unfortunately, the highest price tag. Tough choices!

Easy Listening

Richard D. Cuff
213 Parkview Avenue
Allentown, PA 18104-5323
GENIE R.CUFF
MCI Mail 375-4854
CompuServe 71207,1604
Prodigy NCH70A

Deutsche Welle

For the past three years, Germany has been one of the most interesting European countries to follow. The rapprochement with the Soviet Union and the implosion of the DDR (East Germany) have made for fascinating listening. Following unification, Germany has certainly taken on a more visible role in pan-European affairs. Germany was one of the first countries to recognize the independence of Croatia.

Deutsche Welle's program guide has long been considered one of the finest free program guides available. In recent years, however, the program guide has become less useful to North American listeners: Broadcasts on UTC Tuesday through UTC Friday are simply labeled **European Journal**, with no mention of specific program segments. On Saturday, **Through German Eyes** is also shown; Sunday and Monday programming varies from this trend.

I've been sampling some recent programming in Deutsche Welle's North American service; here are some day-by-day notes. Each Deutsche Welle program normally begins with a live nine-minute news bulletin.

UTC Monday: Commentary, Living In Germany, Larry's Random Selection.

I have always found the UTC Monday program to be one of the week's highlights.

A weekly **Commentary** provides a Deutsche Welle perspective on a significant recent world event. These commentaries often don't specifically relate to a news story of the day.

Living In Germany is a 15- to 20-minute program analyzing German society and politics. Segments vary from lighthearted looks at Munich's Oktoberfest to the rise and fall of German political parties.

Larry's Random Selection is a weekly mix of short news items, most of which have some sort of humorous twist. Larry Wayne, who appears to be an American expatriot, occasionally will dwell on a pet cause or two - for example, environmental affairs. Larry's Random Selection is a fast-moving 15 minutes.

UTC Tuesday - UTC Saturday: European Journal.

Most European Journal editions throughout the week feature certain daily features: Current Affairs, Economic News, European Press Review, and a Commentary.

Current Affairs: One major recent-year switch in Deutsche Welle programming has been a broadening of its current affairs focus. No longer are German affairs the only ones covered; while items on German affairs are a key staple, one might also hear a story on the US military leaving an outpost in Scotland.

Economic News: A short segment on German business and investing follows many days. This segment is reasonably close to a short business update one might hear on a medium wave all news station here in the USA. Stock prices from Frankfurt and news on German industry constitute most of the Economic News report.

European Press Review: This segment has also widened its scope in recent years. In 1987, when I first tuned in after returning to the shortwave listening hobby, the nightly press review concerned itself exclusively with German newspapers. In 1992, a sampling of various European newspapers' editorial pages is provided. The editorial comments often focus on German affairs, but other editorials are included.

Commentary: Not always a daily feature. These commentaries are shorter than the Sunday/Monday commentaries.

Segments unique to specific days follow.

UTC Tuesday: Sports Report. This is a review of significant sports events of the prior week. German athletes or German sports events are featured.

UTC Wednesday: German History. Events of July 1932 were featured. This time was the beginning of the end of the Weimar republic. I enjoy history features, as the comprehensiveness exceeds that of most general history texts.

UTC Thursday: Nothing unique to this day of the week was noted, but there was extensive "G-7" Economic Summit coverage the day I selected.

UTC Friday: Letter from Bonn and Letter from Berlin. This alternating series is an introspective look at German political affairs in the Bonn case, and life in Berlin in the Letter from Berlin - a downsized version of **Living In Germany**. The level of detail is greater than that normally provided in the general European Journal segments. The programs I sampled featured the continuing debate between Bonn and Berlin as capital cities, and the phone links between East and West Berlin.

UTC Saturday: European Journal is shortened to make room for **Through German Eyes**. This program interviews German journalists for a German perspective on world affairs. It could be argued that the entire European Journal program is a German perspective of world affairs; what's different about **Through German Eyes** is that the perspective is a personal perspective.

UTC Sunday: Commentary, Mailbag, Nickelodeon, German by Radio.

Mailbag alternates every other week with **Nickelodeon**. Mailbag is representative of the listener feedback genre, with lighthearted chatter spicing up the questions and answers.

Nickelodeon provides North American listeners the opportunity to request German music.

German by Radio is the ongoing weekly German language program. Last summer, you may recall I mentioned the availability of a free companion workbook, **Deutsch - Warum Nicht?** (German - Why not?) I am not sure if the book is available; contact Deutsche Welle at their normal address (see below) if you're interested.

A specific August program highlight from **Tune In: The Bavarian city of Ingolstadt** is featured in the August 12/13/15 editions of **Living In Germany**. I am not sure if the August 10th or 17th editions of **Living in Germany**, the editions targeted to North America, will include this feature. The South Asia-targeted edition on August 13th at 0200, occasionally audible here in Pennsylvania, will feature the Ingolstadt profile.

If you'd like to contact Deutsche Welle, here's their mailing address: PO Box 100444, 5000 Cologne 1, Germany. Phone 011-49-22 1 38 90. Fax 011-49-22 13 89 41 55 (Listener Mail department)

I know it's around here somewhere...

Given my extensive July business travel and newfound parental responsibilities, I have somehow misplaced my August *London Calling*. I apologize for omitting my usual BBC World Service program information; this coverage will reappear in full in September's column.

Until next month,

73 DE Richard

FOR SALE/TRADE: 1978-91 FRENDEX/Journals, \$90.00 UPS. Box of CB, Ham, SW, Technical, IRCA, NRC, mags, manuals, books, pamphlets, etc., \$30.00 UPS. Will trade for clean working National or Hallicrafters S38, BC, 120, National NC46, etc. Let's make a deal. Tom Mooningham, PO Box 487, Maugansville, MD 21767-0487.

NASWA Portraits

Jerry Klinck
43 Lein Road
West Seneca, NY 14224



Welcome to another "PORTRAITS" column. Before we head "downstate", I just want to remind those of you who responded recently to my plea for profiles that I write them as I get them. So if you are wondering why yours hasn't been in, it's because others were received a bit before yours and it's waiting its' turn. And thanks again.

O.K., now off we go to the "Big Apple" and a husband and wife team of SWLs who make up a very nice couple. Barry & Susan Schwartz...

"For many years I had been interested in getting into DXing but for one reason or another, I just never had the opportunity to start. Finally, around January, 1991, I purchased a Realistic DX-440 but did not really start to scan the frequencies until November. For good reason, as my approaching wedding was a priority (*congrats - ed.*) I was married on September 29, 1991 and now my wife, Susan, has become interested in some of the programs I regularly listen to. Her favorite is "The Comedy Show" on the BBC."

"We live in an apartment in New York City, about three mile south of Shea Stadium, between LaGuardia and Kennedy Airports. Reception is sometimes difficult and noisy, and to date I've had poor luck picking up anything below 5800 kHz. My antenna is a 23 foot clip-on wire which I string up in the living room. Unfortunately, outdoor antennae are not permitted by the management. However, I'm going to purchase something like the Sony AN-1 or AN-102 and I hope that will improve reception, especially on the lower frequencies."

"By the way, one of my favorite stations is R. Japan and on March 25th, I received a phone call from Hirome Ito who interviewed me for the 'Hello Tokyo' program. That program was broadcast on the 1100 UTC transmission on April 12. That was something of a thrill!!"

"As far as my occupation goes, I am a geologist, employed by the City of New York, Dept. of General Services, Subsurface Exploration Section. My main responsibility is the analysis of soil and bedrock samples for load-bearing capacity. That is, to measure how much tonnage the soil/bedrock can handle for various types of construction projects. It's a rather unique job and there aren't many other Geologist employed by the City of New York. It's

rather fun to be able to practice Geology within the confines of a metropolitan area such as New York City."

"In the relatively short time that I have been DXing and sending reception reports, I've managed to verify about 50 countries and 80 different stations. (*Great start! - ed.*) I'm also waiting to hear from another 30 or so. Pretty soon I will be taking my exam for the Technician Class amateur license and a friend and I will be setting up a station at his house in Greene County, NY. That is something I'm looking forward to! Ever since I was 15 years old (15 years ago) I've wanted to become an amateur radio operator."

"Finally, I want to state that I am very happy to have become a NASWA member. I especially want to thank Dr. Cones and Sheryl Paskiewicz for some tips and advice. The staff of NASWA seems to be made up of some very friendly and dedicated people."

Thanks for the very nice visit Barry, and good luck in your newest radio endeavor. From working with them, I can endorse your observations on the NASWA staff, and as you hone and expand your DXing and QSLing skills, you will no doubt come to realize that we are fortunate indeed in having a man who I believe is THE FINEST all-around QSL editor ever to grace our hobby. Countless QSLs have been achieved through the efforts and skillful presentation of Sam Barto in his QSL column.

Till next time... send in those profiles and photos and, call me Jerry. 73 to all!!!



NASWA Awards

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



Welcome to the August edition of the NASWA Awards Column. I hope that it is cooler where you are than it is in Virginia. Day after day of 100 degree temperatures have just about melted all the radio gang here. I have spent my summer radio time getting ready for the fall DX season and generally trying to ignore the heat. I did get away for two days to do some radioing and fishing with Bob (and to get Gail out of the hospital!) at their Eastern Shore retreat, but it turned out to be more fishing and less radioing than we expected (we did manage to pass the tuning oil around a bit and eat crabs).

We have a remarkable column this time--three over-200 country awards. Congratulations to Sheryl Paszkiewicz and Dave Valko, our latest Master DX Centurions. As Dave tells us, the climb to 200 countries verified is not an easy one and takes time and patience. Dave and Sheryl join an elite group of 21 other Master DX Centurions who have received this award since NASWA started keeping award records in 1974. And if that is not enough to melt your socks, Ed Kusalik will proudly add a 230 country endorsement to his Master DX Centurion award certificate, which, according to our records, makes him the most decorated member of the program. I hope these successes show you it can indeed be done and will inspire you to become involved with the award program.

We welcome Bill Miller as the newest participant to the awards program. And Dave Valko is returning after some time away (time spent, no doubt, working on that 200th country). Perhaps next month we will welcome you.

Here are the newest folks to have a shack sporting the latest in NASWA award-ware:

| | |
|---------------------------|---|
| Beur, Paul | Subcontinent DXer 25 country endorsement for the All American DXer |
| Fanderys, Mike | Maple Leaf DXer |
| Helm, Anthony | European Senior DXer |
| Kusalik, Ed | 230 country endorsement for Master DX Centurion 50 station endorsement for Senior Ecclesiastic DXer |
| Lare, Steve | 190 Country Endorsement for Senior DX Centurion |
| Miller, Bill | World Wide Dxer European Senior DXer |
| Moore, Jason | All American DXer Award |
| Nichloson, Vern | Round The Clock Continental DXer |
| Pankake, Lowell | International DX Listener |
| Paszkiewicz, Sheryl | Master DX Centurion Emissora Nacional DXer |
| Schwartz, Barry | European Senior DXer |
| Valko, Dave | African Continental DXpert Asian Continental DXpert All Continent QRP - 2 KW Senior Peruvian DXer Master DX Centurion Master Papua New Guinea DXer |

FEATURED AWARD OF THE MONTH

Two of the more controversial awards in the NASWA barn are the Arab World DXer (15 countries) and the Arab World DXpert (24 countries). The awards booklet tells us that the countries that count for this award must use Arabic as the major or second major language. The awards enter the world of politics, however, when you realize that a country such as Israel counts as part of the "Arab World" and changing times have redrawn the map on what is truly the arab world and what is not. The awards committee feels that these awards could better be called "Arab Speaking World DXer" and "Arab Speaking World DXpert" and such an official change will most likely occur before long. No matter what you call them, however, they are interesting awards to collect and not overly difficult to obtain. What follows is the official country list for these awards.

ARAB SPEAKING WORLD COUNTRY ELIGIBILITY LIST

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

Hope this helps with your hunting and I will look forward to hearing from you soon with your results. Have a good summer!

FOR SALE: Kenwood R5000 SW receiver. Purchased 11/89. Includes WYK88A1 AM filter, manual, and RDI white paper. Excellent condition. I have just acquired an NRD-535D! Price \$625.00. John Roth, 512 Silbury Court, McHenry, IL 60050-5021. Phone (815) 385-6840 9 to 5 CST.

the CPRV page

COMMITTEE TO PRESERVE RADIO VERIFICATIONS

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

HP 5B PANAMA MIRA MAR
 6 to 10 Kc. 4075 M.
 Panamá, República de Panamá, 11 de Mayo - 1939
 Agradecemos y verificamos su interesante informe.
 S. E. Cordero

RADIO DELCAR
 6150 Kc. (48 78 mts)
 Transmite Diariamente de 7.30 a 11.30 p. m.
 SAENZ PERA No 100 - CASTILLA No. 9
 Se agradece a Ud. su reporte de mi estación del 30. Nov. 1938. Si cual ha sido chequeado con el libro de control de esta broadcasting en conformidad.
 RADIO "DELCAR" O.A.X.I.A.
 DIRECTOR: SANCHEZ

TG2X DE LA POLICIA NACIONAL DE GUATEMALA, CA
 Guatemala, 26 Enero de 1939.
 Nos complace enviarle la carta de verificación de nuestro programa correspondiente al día 6 de Enero de 1939 el cual se sirve referirse en su atento reporte del 6 de Enero de 1939 y cuyos conceptos le agradecemos cordialmente.
 Dirección General de la Policía Nacional

LA VOZ DEL YAQUE
 RADIODIFUSORA
 P. O. Box 423 Teléfono 423
 SANTIAGO DE LOS CABALLEROS
 REPUBLICA DOMINICANA
 W L
 Potencia 50 watts Frecuencia 6185 Kc.
 Power 50 watts Frequency 6185 Kc.
 On air 12:20 p.m. to 10 p.m. Every day
 Local time 20 minutes in advance E.S.T.
 Esta Estación ha sido reportada desde toda América, Europa, La India y desde el lejano Oriente Japón.
 We have report from all America, Europe, India and Japan.

H-I-A

Among the most attractive QSL's from the early days of shortwave are those of Central and South America. Although some stations used letters, as many do today, most used very distinctive cards. +++ Now-silent Panama had many shortwave stations over the years, one of which was Radio Miramar whose 1938 QSL is shown here. Likewise Guatemala. This card is a 1939 card from the National Police Station, TG2X. Radio Delcar in Chiclayo, Peru is still active (listed on 1520 kHz. MW), but La Voz del Yaque in the Dominican Republic has been silent for many years. Note the power and frequency on the Yaque card--50 watts on 6185. It wouldn't have much of a chance there today.

"Where are they now." The CPRV is interested in locating some of the DXers of years ago, or their families. Can you help us? Two we are looking for are George Cox who was active from 147 Atlas Dr., Collins Park, New Castle, Delaware until the 60's, when he dropped out of sight. And the late Paul Dilg of Monrovia, California, one of the great DXers of the 40's. If you know the current whereabouts of George Cox or his family, or the family of Paul Dilg, we would like to hear from you. Till next time --



A Committee of the Association of North American Radio Clubs

Listener's Notebook

Dan Ferguson
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Dale City, VA 22193
CompuServe 76702,771

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

AFGHANISTAN - *Radio Message of Freedom (Radio Pyam-e Azadi)* operates on 7090 kHz at 0145-0315, 0830-0930 & 1400-1500, all in Pashto & Dari. (WBI 7/3)

ALASKA - *KNLS*, sked from mid June: English at 0800-0900 on 7365, and 1300-1400 on new 11580 kHz. Russian 0900-1000 on 11820, 1200-1300 on 7365, and 1400-1500 on 9615 kHz. Chinese 1000-1200 on 9660, 1500-1600 on 7365, 1600-1800 on 9615 kHz. Daily Japanese programs have been dropped, but some Japanese segments are included in the English service. (Yoshiaki Hayashi on RJMR 7/12)

ALBANIA - *R. Tirana's* External Service is facing further severe cuts. Reports vary on the extent of the changes; as of 7/8, no on-the-air announcements. The Albanian News Agency has reported that the Radio-TV Steering Council has decreed that some foreign language b/c's are going to be reduced: AA, Turkish, Bulgarian, Romanian and Russian. The date was given as 7/1, but BBCM still heard these programs the week of 7/6. BBCM thinks the news item meant to say 8/1. Only seven foreign languages will remain. About six years ago R. Tirana was sixth or seventh in size in the world; now it's no. 60. (Richard Measham, BBCM, on RNMN 7/9) [Nice solid signal in EE on 11822 kHz from 0230-0257 7/10--mf] Signal strength of late suggests that R. Tirana has cleaned up its transmitters, or got new ones! Excellent level on 9580 with English 0230-0300, 7 July. Also on 9760, Albanian 0330-0355, 7/4. (Bob Padula)

ALGERIA - *La Voz de Sahara Libre*, 15215, in SS at 2252; English pop tunes, ID, music to 2300 signoff. Poor signals with co-channel interference from VOA. (James Clar--NY on DXPL 7/4)

ANGOLA - *Voice of the Resistance of the Black Cockerel* operates 0445-0835 on 6045, 7290, 9700; 1045-1435 on 7290 & 11830; 1645-2345 on 4880 & 7100 kHz. English at 2125-2150. (WBI 6/26) *VORGAN* heard on 7290 kHz from *0400 IS, ID & Afro music, 0500 Portuguese news, 0536 hifite music. Very strong since 6/27, perhaps using RSA transmitter. Parallel 9700 very weak under Deutsche Welle. (Ernie Behr) 6045 kHz was used some years back for *R. Cubanos en Africa* and from the "sound" of it, may be the same transmitter. Station now IDs as *A Voz de VORGAN*, and often also as *Onda Nacional*. (Vashek Korinek, in NU)

ARGENTINA - *Radiodifusion Argentina al Exterior (RAE)* operates: 0000-0100 Spanish, 0100-0200 Portuguese/ Spanish, 0200-0300 English, all Tu-Sa, all on 11710 kHz. 0300-0400 Tu-Fr in French, 1000-1100 Japanese, both on 11710 kHz. On 15345 kHz Monday-Friday to the Americas at 1100-1200 Portuguese/ Spanish, 1200-1400 & 1800-1900 in Spanish; to Europe & Africa at 1900-2000 in English, 2000-2100 Italian, 2100-2200 French, 2200-2300 German; to Europe & the Middle East at 2300-2400 in Spanish. On Saturdays & Sundays RAE's frequencies relay *Radio Nacional's* domestic service in Spanish. (WBI/6/26)

ARMENIA - *Radio Yerevan*, 11920, from 2100 IS & Armenian, 2250-2259* SS, some QRM 6/21; same transmitter also carries Aum Shinrikyo religious program from 2030. (Ernie Behr, Kenora, Ontario)

Radio Yerevan schedule is: 0230-0300 Armenian on 15580, 13645, 11670, 10344u; 0800-0900 (Su) Armenian on 15510, 15485; 1330-1400 Azeri on 4040, 4810, 6065, 12065; 1400-1530 Kurdish on 4810, 6065, 12065, 15130; 1530-1630 Armenian on 4810, 6065, 12065, 15130; 1630-1700 Russian on 4040, 4810, 6065, 7175, 12065, 15130; 1700-1800 Arabic on 4810, 4990, 6065, 9895, 12065, 15130; 1800-1830 Persian on 4040, 4810, 4990, 6065, 12065, 15130; 1830-2100 Armenian & Turkish

on 4040, 4810 4990, 6065, 12065, 15130; 2100-2200 Armenian (French news around 2130-2145, English news around 2145-2200) on 9450 & 11920; 2200-2300 Armenian (Spanish news around 2230-2240, English news around 2240-2300) to the Americas on 11920, 12050, 17660. (WBI 7/17)

AUSTRALIA - The Australian Broadcasting Corporation marked its 60th birthday at the end of June. Special radio and TV programs to mark the anniversary have been scheduled during the Australian winter. (Mike Bird on RNMN 7/2)

Radio Australia began special test transmissions to allow the study of transpolar propagation on Sunday 7/5. A 250 kw xmtr at Darwin will be used from 0800-0900 on 25750 kHz. The antenna bearing is three degrees east of true north. Scientists in Japan and Europe want to look at transpolar propagation during the declining phase of the current solar cycle. Reports will be welcomed at the usual address: Radio Australia, Melbourne, Australia. (Mike Bird on RNMN 7/2)

VNG on 5000 is a real pest along the Eastern Australia seaboard. Puts out strong spurs across the 60 mb, and I seriously question either the need for this facility, or its relatively high output power. (Bob Padula)

AUSTRIA - *ORF* is running announcements to learn how many people still listen to the 600 kw Vienna MW transmitter on 1476 kHz at night. This xmtr carries the Oesterreich-1 home service, which is also carried by a nationwide FM network. *ORF* is running a contest with a prize of compact discs for the most distant listener. If there is no response, or the range of listeners stops just outside the German border, then 1476 kHz will be silenced forever. (JM said foreign entries would be welcome, but he didn't give the closing date.) (RNMN 7/2)

BELIZE - The *Voice of America* MW transmitters on 1530 & 1580 kHz are making it out to New Zealand; heard during the *VOA Express* program before closing at 0500. (A(C on RNMN 7/16)

BOLIVIA - *R. Santa Cruz*, Santa Cruz, 6135 kHz, at 0938 in SS; folk and pop music and frequent IDS; fair sigs until sunrise. (Marie Lamb, NY, on DXPL 6/20).

Radiodifusora Tropico, Trinidad, 4552.6 kHz, heard at 1021 with historical drama (RMV/QLB/DXPL 6/27)

R. Minería, Oruro, 4981v kHz, heard in Buenos Aires at 1040 w/religious programming & ID. *R. Nacional de Huanuni*, Huanuni, 5965, with news at 1010. (Daniel Camporini on DXPL 7/11)

LV del Tropico, now heard on 5111.35 kHz, as on 7/6 0958-1038+, programming in vernaculars, clear IDs by man, ads. Noted on 5948.23 at 1101 6/13, but not there 7/6. (Gabriel Ivan Barrera in NU)

BRAZIL - *R. Educadora 3 de Julio*, Brasilia, 3569.2 kHz, heard in Quito with fair signals at 0155 during tests of Drake R8 which will be used in one of HCJB's country repeaters (KMH/QLB/DXPL 7/11) [WRTH 92 says this Brasilia has an e with an accent in it; sked is 0900-0300. - mf]

BULGARIA - For J92, *Radio Sofia* is scheduled for several frequencies in the extended bands: 9850 250 kW 0215-0300 FF, 0300-0430 EE, 0530-0615 GG, 0615-0700 FF; 11630 200 kW 1100-1230 EE; 11635 1300-1600 Bulgarian, 1600-1730 AA; 11660 250 kW 0000-0045 EE, 2100-2145 IT, 2145-2315 EE, 2315-0000 FF; 11695 500 kW 0930-1030 TK. 11660 is also listed for the Home Service relay, known as "Horizonte", 0230-0700 (M-F), 0900-1700 (M-F), 0230-1700, 250 kW (Sa/Su). ### From 9/6/92, station plans to use 5895 (also in extended bands) 1930-2015 Greek, 2015-2100 Serbo-Croatian (100 kW). Unlike some international broadcasters, the sked from which the above data is extracted is an excellent piece of work, with most details given, including transmitter powers and antenna azimuths. Only problem is that sites are not shown, only the cryptic message that facilities in Sofia, Plovdiv, and Vidin are in use. This may be of academic interest only - Rumen Pankov advises that all external broadcasts from Sofia on shortwave may be discontinued on 8/1. He suggests that funding is a problem, as it's known that there is very little support amongst the incoming management administration for maintaining the shortwave services. (Bob Padula in ADXN)

CANARY ISLANDS - *Radio Nacional de Espana's* relay base here is no longer used because the equipment is obsolete. However, RNE may rebuild it to reach South America. Both RNE World Service and its first home network are available as subcarriers on Intelsat VI, in addition to the TVE international Spanish TV service. The satellite has wide coverage all over the Americas. If the Canary Islands project proves too expensive, RNE may hire air time from countries in South America. No decision has been taken yet. (Jose Martinez Nicolas, RNE dir tec, on RNMN 6/25)

CHAD - *Radiodiffusion Nationale Tchadienne*, Ndjamena, operates in French and other languages on 4904.5 kHz at 0430-0730 & 1600-2200. On 7120 kHz at 1025-1600 (from 0730 Sa/Su). (WBI 7/3)

CHILE - *R. Esperanza*, Temuco, 6089 kHz, at 0610 Sun with "Noche de Esperanza" program, contemporary Christian music. (RMV/QLB/DXPL 6/20)

CHINA - *Zinjiang People's B/C Station*, Urumchi, has the following summer sked effective from 5/7 until early November: Chinese, 2300-0210, 0430-0730, and 1030-1550; Sun 2300-0030; on 2560, 4500, 6100, 7385, and 9560 kHz Uighur, 4735, 5800, and 7195 kHz Kazakh, 4330, 4970, and 5440 kHz Mongolian, 4220, 4980, and 5060 kHz. A music program in Chinese is broadcast on 94.9 MHz FM stereo. It is expected that 3960 kHz will replace 7385 kHz in the Chinese service in the fall, and 3990 kHz will replace 7195 kHz in the Uighur service. (Isami Hyuga and Satoru Saga, ABI, on RJMR 7/5) [Times for Uighur, Kazakh and Mongolian not given; see WRTH 92; China has no summer time this year.--mf]

Jiangxi PBS, Nanchang, operates 2105-1500 on 2445 & 5020 kHz. (WBI 7/3)

Zhejiang PBS, Hangzhou, operates 2100-0505 & 0800-1510 on 2475 & 4785 kHz. (WBI 7/3)

COMOROS - Though some South African DXers report *R. Comoro*, 3330 kHz, recently, I've not heard it for several weeks. Must be quite irregular. Kigali on the same frequency also is irregular, so there might be instances of a clear channel for Comoros when active. (Vashek Korinek in NU)

COSTA RICA - *Adventist World Radio*, Cajuuta, on new 9775 kHz at 1240 Sun in EE with "Costa Rica Today", reading national news from the Tico Times (a newspaper for U.S. residents and retirees). Freq and site explicitly announced. (KMH/QLB/DXPL 6/20) 5030 kHz heard in early June at 0035 in EE; SS at 0106. (Jim Clar, NY, on DXPL 6/20)

Radio Nacional de Espana began testing its three 100 kw transmitters in Costa Rica in June, but without any modulation. The U.S. built xmtrs had trouble with the frequency synthesizers. Tone tests were expected to begin about 6/30. Test programming from RNE's World Service between 2200-0500 was to begin in July. Tests were intended to be only about 15 min in duration. By mid-August the relay base should be ready for six or seven hours' use each day. Only Spanish language programs will be carried by the Costa Rica site. The rest of the air time will be given to the Costa Rican government for its own use. No exact test frequencies were announced. Plans call for use of the 6, 9, and 11 MHz international bands, as well as 60m. There are three sets of antennas, one for Central America, one to the Southeastern U.S., and one for Colombia and Venezuela. (RNMN 6/25) (Jose Martinez Nicolas, RNE, and JM on RNMN 6/25)

CROATIA - *Hrvatski Radio*, Zagreb, 21480 kHz, heard well in Moscow at 0800-1330; QRM from Radio Netherlands after 1330. News in Croat on the hour; EE news bulletin at 1203. (Sergei Nikishin, Moscow, on DXPL 6/27)

A definite schedule for Zagreb, on SW, is difficult to find, or monitor, but my own observations reveal that 6210, 7240, 9830, 13640, 13645, and 21480 have been used at various times up to early July. (Bob Padula in ADXN) Zagreb now on new 13830, Croatian ID and news 0700, long-path, good level 7/8. Seems to have deleted 13640/13645 used up to a few days ago. Station seems to use varying channels, hard to keep track of it! Subsequent checks suggest 24-operation on 13830, noted 2200 through until past 0300; 7/8 & 9. Parallel with 6210 in period 2100-2300. (Bob Padula) Station QSLs readily, and has the address: Hrvatski Radio, Studio Zagreb, Radnicka c. 22, 41000 Zagreb. The address is given on the QSL and includes the Croatian phrase "odasiljaci i veze", which simply means "regards" and is not an address! Rumen Pankov says that recent frequencies in use by Zagreb were 6210, 7240 and 9830; and it was testing on 5085, 13645, 13745 and 21480. Rumen says station announcements indicate it was using two 100 kW and two 250 kW SW transmitters. (Bob Padula in ADXN)

Zagreb puts a massive signal into the Netherlands on 9830 kHz in the daytime, so is probably more than 10 kw. Zagreb is the site of a SW transmitter factory, and they've probably been working flat out to get more transmitters on the air. They could be 100 kw or more. The weak signal on 5085 kHz probably makes use of a low power utility transmitter. Additional Croatian frequencies may appear - latest is 13640. Others are 6210, 7240, 9830 and 21480 kHz. (Andy Sennitt on RNMN 7/17)

CUBA - *Radio Habana Cuba* has begun testing with SSB on 13660 kHz around 0030 UTC. (Lou Josephs on RNMN 6/25) *RIIC*'s Spanish service has taken over 6060 kHz since Radio Nacional de Argentina gave it up. Heard on west coast *0300-0600 // 9550, 9620, 11875 and 15230 kHz. Latter two freqs. sign off at 0400. (Mike Fern-CA)

The oil shortage -- imports are below 50% of the 1989 figure -- is affecting output of Radio Habana Cuba. Some R. Moscow relays via Habana have disappeared. (RNMN 7/9) [But not 11850 kHz in EE, which is better in CA before 0300 than Petropavlovsk on 15425 kHz--mf]

The 24 hour Russian sponsored service in Russian on 4765 kHz shut down at the end of June. Moscow relays of *Radio Habana Cuba* ended at the same time. (Richard Measham, BBCM, and Andy Sennitt on RNMN 7/17)

CZECHOSLOVAKIA - *Radio Czechoslovakia (Europe)* sked: 0500-0530 French on 6055, 7345, 9505, 11990; 0530-0600 German on 6055, 7345, 9505; 0600-0630 English on 6055, 7345, 9505, 11990; 0700-0730 French on 6055, 9505, 11990; 0930-1000 German on 6055, 7345, 9505, 11990; 1030-1057 English, 1100-1127 French & 1130-1157 Spanish, all on 6055, 7345, 9505, 11990, 15355; 1200-1300 German on 6055, 7345, 9505, 11990; 1400-1500 Czech/Slovak and 1530-1557 French, both on 6055, 7345, 11685, 13715, 15520; 1600-1630 German on 5930, 6055, 7345, 9605; 1630-1657 Czech/Slovak on 6055 & 7345; 1630-1700 French on 5930 & 9605; 1700-1727 English, 1730-1800 Spanish, 1800-1827 Czech/Slovak, all on 5930, 6055, 7345 and 9605; 1830-1857 English & 1900-1930 German, both on 6055, 7345; 1830-1900 French & 1900-1930 Spanish, both on 5930 & 9605; 1930-1957 French, 2000-2027 English, 2030-2057 Spanish, 2100-2130 English, all on 5930, 6055, 7345 & 9605 kHz. (WBI 7/17)

Radio Czechoslovakia sked to the rest of the world: **English** to the Americas at 0000-0027 on 7345, 9580, 11990; 0100-0130 on 5930, 7345, 9580; 0300-0330 on 7345, 9810, 11990; 0400-0430 on 7345, 9810, 11990, 13715, 15355. The 0300 broadcast is also to the Middle East & Asia. **Czech/Slovak** is at 0230-0300 to the Americas on 7345, 9810, 11990; 0800-0830 to Asia/ANZ on 17725, 21705; and 2330-2357 on 5930, 7345, 9580, 11990. Spanish is at 0200-0227 on 7345, 9810 & 11990; and 2300-2327 on 5930, 7345, 9580 and 11990. French at 2230-2257 on 7345, 9580, 11990. (WBI 7/17)

DOMINICAN REPUBLIC - *R. Enriqueillo*, Tamayo, 1020 kHz, which was shut down earlier this year for broadcasting to Haiti in Creole, has been allowed back on, but there's a catch: spoken Creole is not permitted. So all pro-Aristide material in Creole, including the news twice a day, is sung with guitar backing. (Time magazine, n/d, via DXPL 6/27)

ECUADOR - *WIAT'S ON THE AIR IN ECUADOR* - compiled by Richard McVicar, HCJB.

Ondas Quevedenas, in Quevedo, has returned to their shortwave frequency after nearly 1-1/2 years. Other than that, not much is different from the last report.

- 3220 *HCJB*, Pifo, 1136 in Quichua, w/ announcer Segundo Andrango, exc, //6080. (RMV)
3240 *R. Antena Libre*, Esmeraldas. Still no sign of this since February. (RMV)
3270 *Ecos del Oriente*, Lago Agrio, not heard for several days. Usually very regular and strong. A CARACOL-Colombia station is often here (Around 3271), perhaps a 3rd harmonic of *LV de la Selva* in relatively near Florencia. (RMV)
3280 *La Voz del Napo*, Tena, 2217 w/pop music; excellent 7/8. Always very strong & reliable. (RMV)
3286 *La Voz del Rio Tarqui*, Cuenca, 1220 pop music, TC & ID, ads. Very good 7/8; very regular lately. (RMV)
3290 *Radio Centro*, heard at 1057 with prayer and music; co-channel interference from second station; Saturday nights has live program with mostly Indian music; they do give greetings in SS to people who write in to them from around the world. (KMH/QLB/DXPL 6/27) Ambato; 1138 news on election campaign. Very regular. (RMV)
3324.6 *Ondas Quevedenas*, Quevedo; recently reactivated. Noted 0230 w/*El Poder de la Fe* program, then TCs, IDs, several ads for *Hotel Quevedo Internacional*. Signal strength good at best; terrible UTE interference. Earlier in the evening the frequency is shared with *R. Maya* in Guatemala, often almost as strong. (RMV)
3351 *Radio Cumanda*, Coca; 0052 7/14 w/romantic ballads, no anmts between songs. At 0130 taped announcer w/extremely heavy echo "*Noche de Amor, a traves de Cumanda, la emisora alternativa.*" Into sign off announcements and anthem. Signal strength very good, but heavy echo and poor modulation makes for difficult copy. (RMV)
3395 *Radio Catolica*, Santo Domingo; not heard for a couple of months. (RMV)
4271.6 *Radio Gonzanama*, Loja area; presumed them at 0200 7/5 w/TC, taking requests for a romantic music program. Very good signal strength, heavy UTE QRM on upper sideband. Quite active lately on local Saturday nights. (RMV)
4679 *Radio Nacional Espejo*, Quito; not heard for at least a week. Hardly comes on shortwave at all lately. (RMV)
4795 *La Voz de las Caras*, Bahía de Caraquez, at 0406 with Saturday "Remembranzas" program, includes live poetry contest, classical music from Ecuador and nearby countries; after 0000 UTC Sun (Sat nite local time) is best shot; station is usually on

- for Saturday "Remembranzas" [remembrances, reminiscences, keepsakes] but not week nights. (RMV/QLB/ DXPL 6/20)
- 5040 *Emisora Voz del Upano*; 1210 Ecuadorian folk music, ads, TC. Excellent 7/8. (RMV)
- 5050 *Emisora Jesus del Gran Poder*, Quito; 1220 news. Had link-up with *Radio Paz y Bien* in Ambato. Excellent signal 7/8. (RMV)
- 5061 *Radio Nacional Progreso*, Loja; 1215 Ecuadorian music program; exc 7/8. (RMV)
- 5965 *Emisora Voz del Upano*; 1216 with "10th lesson in the 4th course" (not // 5020 class). Excellent 7/8. (RMV)
- 5980 *Radio Federacion*, Sucua; no sign of them here for the past few months. They were here a few months ago during mid mornings. (RMV)
- 6000 *Emisora Voz del Upano*; 1217 w/lesson, not // 5020 or 5965. (RMV)
- Frequencies with decimal point were measured with a Drake R8 receiver. The rest are approximate, within a kHz or so, measured on a Magnavox D-2935. (Richard McVicar, HCJB, Quito, Ecuador)

Hrd on DXPL that HCJB offers an award called the "World by 2000 Confirmed Stns Award," so I sent for it. "World by 2000" is a commitment by FEBC, TWR, HCJB and ELWA to provide every person the opportunity to turn on their radio and hear the gospel in their own language by the year 2000. Professionally printed and very nice looking--blue and black on nice paper. You have to submit copies of one "World by 2000" partner stn in each of five geographical areas -- Europe, Americas, Africa, Asia, Pacific -- AND this has to include at least one veri from each of FEBC, TWR and HCJB. If you submit a veri from each of "all nine" World by 2000 stns you also get a separate typed endorsement to that effect on HCJB letterhead. The nine stns are FEBC-Manila, KFBS, KGEI, FEBA, TWR-Monte Carlo, TWR-Bonaire, TWR-Swaziland, KTWR and HCJB. (I'm not sure what happened to ELWA in that list; their logo is on the certificate and they are apparently one of the partners, but perhaps they've been dropped from the requirements in light of their present status.) Received in 3 months for photocopies of the QSL's and an IRC to DXPL host Rich McVicar, who signed the award and the endorsement note. Not many items like this out there, and worth having. (Jerry Berg)

EQUATORIAL GUINEA - *R. Africa 2000*, heard closing at 2201*. Hadn't heard for some time & used to close at 2130. (Jerry Berg, in NU)

ETHIOPIA - *Voice of Ethiopia* current schedule is: 1200-1300 Somali, 1300-1400 Afar, 1400-1500 Arabic, 1500-1600 English, 1600-1700 Amharic, 1700-1800 French, all on 7165 & 9560. (WBI 7/17)

GEORGIA - *Georgian Radio*, 11760.3, from 2030 English, 2100 Russian, 2130-2159* English & music. Very irregular, heard only 6/20 & 23, off since then due to attack on the station. BBC in Russian also on 11760 to 2030*. (Ernie Behr, Kenora, Ontario) BBCM shows the above schedule, plus 2000-2030 in Russian on 11760.3 kHz. Also 0200-0300 English to the Middle East on 9830; 0500-0530 Russian, 0530-0600 English, both on 11805 & 12050; 1630-1700 English on 12050; 1900-2100 English on 9830. The 0200, 1630 and 1900 transmissions are listed as unconfirmed. (WBI 6/26)

GERMANY - German citizens in the former German Democratic Republic now have the right to ask for their Stasi (secret police) files. The Stasi took a hard line on active SWLs. One SWL learned from his files that he had *twenty* Stasi members watching him. "You would find Radio Netherlands' letters, and we would find ORF (Radio Austria's) letters, copies or originals of them, in the files," said Wolf Haranth, conductor of ORF's German DX program "Kurzwellen Panorama." "I am quite happy to say that we were aware of the fact, but not of the huge amount of watching, but we were aware of the fact and we took all possible care to see to it that nobody learned about our listeners; we didn't give away names and addresses. We think we did a good job. We lost many of these listeners immediately after the reunification of Germany. They had other things to do. And they are all coming back. It's a great feeling for us. They're all coming back to the station they used to trust, and trust again." (RNMN 7/2)

On 6/1, *Deutsche Welle* introduced programming in Albanian, scheduled 2045-2100 on 6015 9715 11960. ("Ihre Welle", of DW, via ADXN)

GUAM - *KTWR* made a frequency change on 6/17, with 15610 coming into use, replacing 15210, 1445-1700, for English programming. This usage is planned to continue for the W92 period, starting 9/27. Also from 9/27, Japanese is listed 1200-1330, and Chinese 1330-1500 on 9870, replacing 9785. 9785 is to be used for Amoy and Mandarin 1245-1600, replacing 9870. (KTWR, via ADXN)

Adventist World Radio (KSDA) - *DX-Asiawaves* continues its weekly broadcasts of DX items provided by ARDXC, with a substantial audience in the European countries. Current schedule is: Saturdays 1615 11980, 2315 15610; Sundays 0215 13720, 1815 13720. (Bob Padula in ADXN)

HONDURAS - *R. Miami International's* joint-venture station in Tegucigalpa, *R. Copan International, HRJA*, began testing 6/14 on 15675 kHz from 1800-2200. It was heard in the Southern U.S. but with mixing problems from a nearby FM BC outlet. When the proper filters have been installed tests will resume on 15675 or 9950 kHz. (Marcel Roberts and JM on RNMN 6/25) Reported testing daily in early July on 15675 kHz from 1700-1900. (RNMN 7/9)

INDIA - The Press Trust of India reported the week of 6/29 that India is planning to expand its external service to face the mounting challenge of overseas broadcast organizations. AIR is looking at ways to get its programs relayed from (or within) friendly countries, to increase its presence in several areas including the Pacific. Six new xmters on Indian soil, 4 x 250 kw and 2 x 500 kw, should start service soon. This ties in with recent announcements on AIR's mailbag program promising a better signal in North America. (BBCM on RNMN 7/2) Reading the text of the report, in WBI-7/3, confuses one so easily confused as I. It appears to say that a total of 18 500 kw transmitters will be available to the external service. 16 at the completion of the "seventh plan schemes", with two more to be added during the "eighth plan". [df]

All India Radio has built two 250 kw SW transmitters at Boa Belem in the former Portuguese colony of Goa. They may begin testing after 7/19, and will be targeted at the Persian Gulf and East Africa. (Flavio Rapozo, Goa, and Kanwarjit Sandhu, India, on RNMN 7/17)

IRAN - *Tehran* heard at 2330 on new 15315, ex 9720. (Wojtech Zaremba, Poland, on DXPL 6/20)

IRAQ - *R. Iraq International*, Baghdad, 15240 kHz is being heard well in Sri Lanka from 1430-1530 in EE, heard first 6/22. Baghdad is also heard from 0100-0300 on 15340 kHz with an occasional EE news bulletin; best in Sri Lanka around 0230. (VG on RNMN 6/25) 15210 kHz heard at 1811 with readings from Koran, ID, instrumental music. Fair signals, but rather poor modulation. (Marie Lamb--NY on DXPL 7/4) Now on new 15180, not audible on former 15340, with Arabic 0000-0200, 7/9. Also on new 11945, Arabic 2200-2300, 7/7. (Bob Padula)

IRELAND - *North Atlantic Radio*, County Donegal, on 846 kHz, is being heard in the UK and the Netherlands on its third harmonic, 2538 kHz. First heard by Ken Bird of DSWC1 in June; heard in Holland at 2220 in early July by Julius Herrmanns. Format is a mixture of country and Irish folk music. (RNMN 7/9) [Not in WRTH 92--mf]

ISRAEL - The late spring sked of Kol Israel was: 0400-0415 to NA on 11588 kHz; 1000-1030 on 17545 kHz; 1300-1325 ex Fri/Sat on 15650 kHz to NZ; 1700-1715 on 11587, 11675, 15590 and 15640 kHz; 1900-1930 on 11587, 11605, 11675, 15640, 17575, and 17630 kHz 2130-2200 to 11587, 11603, 15100, 15590 \m, 15640 and 17575 kHz "DX Corner" is aired at 1900 Sun and 1300 and 2130 UTC. (AC on DXPL 6/20)

Knesset member Avraham Burg, who opposes the Voice of America relay base project in Israel, was swept back into office by the Labor-left victory 6/23. (BBC WS in EE 0215 6/24 via mf)

ITALY - *RAI Radio Uno*, 15525, Italian domestic program 1300-1658*; fair 7/2. (Ernie Behr)
Per AWR-Asiawaves NL, "Current plans for a major AWR-owned shortwave facility located in Northern Italy are still on track." (Berg.)

Italian Radio Relay Service, Milan, conducted tests for North America 7/11-24, at 0130-0330 on 7125 kHz. Reports welcome to P. O. Box 10980, I-20110 Milan. Tom Sundstrom reported a fine signal in NJ 7/11 till 0300 when VOA signed on in Bulgarian. (Andy Sennitt on RNMN 7/17)

JAPAN - The schedule changes announced 6/21 for *Radio Japan Media Roundup* starting 7/1, when the BBC Skelton relay began operating, were in error. The correct changes are: 1530-1555 on 15355 kHz and 2130-2155 on 11735 kHz, both from Moyabi, Gabon; 2330-2355 on 6025 and 6160 kHz from Skelton. The 2330 broadcast from Moyabi on 11735 kHz has been dropped. (RJMR 6/28)

KAZAKHSTAN - *R. Alma Ata*, 17730 kHz, in EE at 1846; poor signals; delightful program of traditional Kazakh music; ID and address at 1857 followed by interval signal. (Jim Clar, NY, on DXPL 7/4)

LIBYA - *Voice of the Great Arab Homeland*; heard on 15612v 6/24, Arabic 2100 to past 0100. On 15618v next day, not heard since. Also on // 15415 & 15235. (Ernie Behr)

LITHUANIA - A British company, Baltic Radio Ltd., has applied to the Lithuanian Ministry of Communications for a joint venture for a 24H English-language commercial BC station serving the Baltic states and Scandinavia. The article in Lithuanian Weekly claimed a xmttr power of 50 kw was

being sought. Paul Rusling, a director of BRL, once with Laser 558, a British offshore station, is building a 200-kw xmttr in Lithuania. BRL's investment in Lithuania alone is about US\$4.5 million. Sweden (pop. 8.5 million) has no commercial radio and is seen as a very desirable audience by some multi-national advertisers. 24 out of 25 Swedes understand EE. [They must start early.--mf] The freq, not yet selected, will be in the low end of the MW band. The xmttr will be on the coast between Klaipeda and Palanga. Testing should start in early 1993. A second xmttr will be used as an emergency outlet for R. Lithuania which feels its present xmttr sites are too close to the Russian border. (RNMN 6/25)

The EE sked announced on the Vilnius Listeners' Club program 6/28 was: 2130-2200 on 666, 9675 and 9710 kHz; 2300-2330 on 11780, 13645 and 15580 kHz. 15580 is apparently Khabarovsk. R. Vilnius received only fifty letters from overseas between the May and June Listeners' Club programs. The Listeners' Club program 6/28 included several letters from North American listeners complaining about poor signals on the new channels. (Mike Fern--CA)

MAURITIUS - *Mauritius BC Corp*, 9709 kHz, QSL after many follow-ups since 1984. Studio Mgr, S. Salesse, says ceased SW operation in 1986 because "...spare parts for our 25 year old Phillips SW transmitter were no longer available". Said no plans to resume SW, but may consider later the purchase of a new SW transmitter to at least cover the neighboring islands of the Indian Ocean. (Mitch Sams in NU)

MOLDOVA - *R. Moscow* WS transmitter in Grigoriopol was on 15485 in June; heard 6/17 from *2030 with Radio Aum Shinrikyo religious program; 2100 RMWS in English; 0100-0129* R. Vilnius in Lithuanian. Transmitter off the air since early July, probably due to war in Moldova. (Ernie Behr)

NETHERLANDS - From 6/29 *Radio Netherlands* has a set of four new QSL cards with a floral motif. (RNMN 6/25) [Red, orange, yellow and white tulips, no doubt.--mf]

R. Netherlands has begun a campaign on domestic radio and TV to promote listening to its Dutch-language service for Europe. Audience research shows that listenership to this service continues to grow. A TV commercial will air around 50 times this summer. (RNMN 6/25)

R. Netherlands changed its 1230 transmission in EE from 9855 kHz to 5955 kHz 7/11 because of complaints the 31m signal wasn't making it to the UK. The change is due to the declining sunspot numbers. 49m will be used during the winter also. (RNMN 7/9) *Radio Netherlands'* Piet Meyers will replace Tom Meyers on the Happy Station Show starting 9/27. (RNMN 7/9) [Tom will be a tough act to follow.--mf] The Netherlands Ministry of Culture has received ten serious applications for commercial radio and TV licenses. All operators must be truly nationwide; no local stations are permitted. Most of the applications are for radio. The first licenses could be granted before autumn. Annual license fees range from US\$5,000 to US\$25,000. (RNMN 7/9) Media Network's mail response is up 34% over 1991; most of the growth is in faxes and electronic mail. (RNMN 7/9)

NEW ZEALAND - *Radio New Zealand International* now has a station sticker. It will be sent out with QSL cards and schedules. (Tony King, RNZI Mailbox 6/28)

NORWAY - *R. Norway International* announced 6/20 or 6/21 that, starting late this summer, it will provide time for the Burmese Government in Exile. ?Sing Win, prime minister of the exiled government, was quoted as saying that the Norwegian Ministry of Foreign Affairs has agreed to issue a license. The 500-kw xmttrs are expected to reach Burma without trouble. (JM and VG on RNMN 6/25)

PERU - *R. Concordia*, Arequipa, 6141.1 kHz, heard at 1109 with news about the hospital in Arequipa; fair signals in Quito. (RMV/QLB/DXPL 6/27)

*Ondas del Sur-orient*e, Quillabamba, 5068.7 kHz at 1048 with ads, ID and music; full ID with freqs at 1056. (RMV/QLB/DXPL 6/27)

R. El Sol, Lima, 5969.8 kHz, heard at 1146 6/26; signals poor to fair, 30 min after sunrise in Quito; announces "La Voz del Peru" but it's the name of a program. (RMV/QLB/DXPL 6/27)

R. Rioja, Rioja, 5045.1 kHz, heard at 1153 with very pretty Peruvian folk music; several ads at 1157; good signals, but modulation was very low. (RMV/QLB/DXPL 6/27)

R. Tacna, Tacna, 9505 kHz, heard at 1209 with a morning information program called "Impacto"; time check by "Inca Cola, la bebida de sabor nacional". (RMV/QLB/DXPL 6/20)

R. Alto Huallaga, Uchiza, 5445 kHz, at 1220 with music. (KMH/QLB/DXPL 6/20) [WRTH 92 says 1100-2300--mf]

R. Melodia, Arequipa, 5995 kHz, heard at 0507 in SS with Latin American and reggae music; fair sigs. (Marie Lamb, NY, on DXPL 6/20)

R. Huancabamba, Huancabamba, 6281 kHz, at 2150 with "Vida y Salud" (Life and Health) program; good signals.

R. Satelite, Santa Cruz, 6725 kHz, at 0335 with good signals.

Ondas del Mayo, 6803 kHz, heard at 2130 with very good sigs. [*new*, location not given, not in WRTH 92--mf]

R. Sensacion, Huancabamba, 6896 kHz, heard at 2130 with sports feature; signals very good. **R. Satelite**, Santa Cruz, 6725 kHz, at 0335 with good signals. (Pedro Torre, Guayaquil, Ecuador, on DXPL 6/20)

R. Frecuencia Popular, Rioja, 4011.5 kHz heard with music and ID at 0020; very, very faint in Quito. (KMH/QLB/DXPL 7/4) [WRTH 92 says 1030- 0400--mf] **R. Marginal**, Tocache, 4039 kHz at 0027 with long talk about soccer, ID, music. (KMH/QLB/DXPL 7/4) [WRTH 92 says 1000-0230--mf]

R. Naylamp, Lambayeque, 4110 kHz, heard in Quito at 0109 7/5 with very good signals. **Radio Nuevo Mundo** has a book titled **LA DX** which lists two stations named **R. Naylamp**, one on 4083.8 kHz, also called **Estacion Pugara**; the other in Lambayeque in listed on 1580 mw & 4530 sw. The station heard in Quito announced 1580 (**Quince ochenta**, **Radio Naylamp**, **La Diferente**), so is in Lambayeque. Probably an easy shot from outside South America, judging by the signal in Quito. (RMV/QLB/DXPL 7/11)

PHILIPPINES - **Radyo Pilipinas**, Manila, heard in Moscow 0230-0330 on 21580 kHz; 0230-0300 in EE, 0300-0330 in Tagalog. Also heard 1800-1900 on 21455 kHz, interfering with HCJB. (Sergei Nikishin, Moscow, on DXPL 7/4) Expanded the Filipino service, first heard in Japan 6/21 by Tooru Yamashita. In late June the sked was 1730-1930 on 15190, 17840 & 21580 kHz. English remains at 0230-0330 on 17760, 17840, 21580. (RJMR 7/12)

R. Veritas ceased broadcasts in Japanese 6/30. The JJ staffers returned home in mid-July. The station has added Ukrainian at 1230-1255 on 9520 kHz, and at 2300-2325 on 15215 kHz. (Yoshiaki Hayashi, Kunihiko Nishida and Tooru Yamashita on RJMR 7/12) **R. Veritas** on new 15300 for Sinhala 0000-0025, 7/6. (ADXN)

FEBC on 15515 with Chinese dialects 0000-0030*, 7/6. (ADXN)

Effective June 1992, **FEBC** Manila is listed for the following "DX" programmes, within its English services: **DX-Report** - Sundays 0900 on 11690 (China/SEA); Sundays 1440 on 11995 (India/SEA); Saturdays 0100 on 15450 (India). **DX-Spot** - Wednesdays 1300 on 11995 (India/SEA). **DX-Dial** - Mondays 0100 15450 (India); Thursdays 1400 on 11995 India/SEA (FEBC via ADXN)

ROMANIA - **Radio Nacional de Espana's** Romanian relay project is progressing, but it will be some time before regular broadcasts start. The cooperation with Bucharest is going well, but a lot of work remains. (Jose Martinez Nicolas, RNE dir tec, on RNMN 6/25)

RUSSIA - **Adventist World Radio** has released details of its expanded broadcasts, relayed by leased transmitters in the former USSR. Programming originates in a studio near the edge of Red Square in Moscow, and is coordinated from the AWR Media Centre at Tula, south of Moscow. As from 5/3, three new relay sites were taken into use, supplementary to the first relay at Novosibirsk which came on the air earlier in the year. They are at: Moscow (M) 250 kW, Ekatarinoburg (E) (Sverdlovsk) (200 kW), Samara (S) (Kubyshev) (200 kW). The new relays have this schedule: 0230-0300 Arabic on 11785(M); 0300-0330 Russian on 11785(E); 0330-0400 Croatian on 11900(E) (M/Wed/Fri); 0330-0400 Serbian 11900(E) (Tu/Th/Sa); 0330-0400 Slovenian 11900(E) (Sunday); 0400-0430 Romanian 11900(E); 0430-0500 English 15125(S); 0500-0530 German 15125(S); 0530-0600 Polish 12010(S); 0600-0630 Arabic 11775(M); 1400-1500 Italian 9775(M); 1500-1530 Croatian 9775(M) (M/Wed/Fri); 1500-1530 Serbian 9775(M) (Tu/Th/Sa); 1500-1530 Slovenian 9775(M) (Sunday); 1530-1600 Romanian 9775(M); 1600-1630 English 15125(S); 1630-1700 Swedish 15125(S); 1700-1800 Russian 15125(S); 1800-1830 Russian 7310(E); 1830-1930 German 7310(E); 1930-2000 Polish 7310(E).

The Novosibirsk relay is scheduled: On 9835: 0000-0100 Burmese, 1700-1900 RR, 1900-2000 EE, 2100-0000 CC. On 11855: 0100-0200 EE, 0200-0300 Hindi, 0300-0400 Telugu (M-Wed-Fri), 0300-0400 Marathi (Tu/Th/Sa/Sun), 0400-0500 Tamil (M-Wed-Fri), 0400-0500 Malayalam (Tu/Th/Sa/Sun), 0500-0700 RR, 0700-0800 EE, 0900-1200 CC, 1200-1300 Burmese, 1300-1400 EE, 1400-1500 Hindi, 1500-1600 Telugu (M/Wed/Fri), 1500-1600 Marathi (Tu/Th/Sa/Sun), 1600-1700 Tamil (M-Wed-Fri), 1600-1700 Malayalam (Tu/Th/Sa/Sun). (The AWR data was gleaned from BCM, AWR(direct), & thanks also to Nikolai Rudnev and Michael Rolph). (Bob Padula in ADXN)

The name of the "Euagerion Tess Vasilias" stn is **Radio Aum Shinrikyo**, and it's a powerhouse on 15485 at 2030-2100. Hrd 6-27 with heavy EG religious programming. Talk, mx, and this address spelled out at the end: R. Aum Shinrikyo, 381-1 Hitoana, Fujinomiya, Shizuoka, Japan 418-01. "Euagerion Tess Vasilias" means "Announcement of the Absolute Gospel of the Holy Heaven of the

Propagation of the Absolute Truth of the Holy Heaven." Also very good on 15210 in English at 0440 on 7-3. Quick bandscan showed them with fair to good signals on 15550, 12015, 11980, 11690, 9865 and 9470. (Jerry Berg)

There has been a proliferation of "Independent" stations emerging in Russia. A comprehensive and up-to-date listing doesn't appear to exist, and for my own interest I've compiled a summary of the principal broadcasters, using SW outlets. A report in "DX-Kuuntelija", quoting information from "Broadcast" indicated that most of the "independent" stations are joint ventures of former Gostelradio (Soviet State Radio and TV) (now Russian State Radio and TV), or parts of its former or present staff with foreign investors (eg: Radio Nostalgia, Europa Plus Moskva) or stations run by present or ex-staff of these companies (such as Radio Ala, Radio Rezonans, Delovaja Volna, etc). Identification is simplified due to their addresses which are State Radio addresses in Moscow, and access to high-powered transmitters. The "Broadcast" report suggests that "true" independent stations are still very few in Russia. (via ADXN)

My own listing follows.

- 3995 R. *Ala* 1600-2200
- 5040 R. *Ala* 1430-2300, 0000-0500 (St. Petersburg)
- 5915 R. *Vedo* 0300-0800 RR (Sa/Su)
- 5920 R. *Yakutsk* 0600-1400 RR
- 6015 R. *Ala* 1330-0400 (Kaliningrad)
- 6045 R. *Polyus* 0330-2300 RR (St. Petersburg)
- 6090 R. *Drizhenie* 1200-1600 RR
- 6140 R. *SNC* signs on at 1000 (St. Petersburg)
- 6145 R. *Pamyat* 2200-2330 RR (50 kW)
- 6200 R. *Dvizhenie/Radio "N"* 0100-1200 RR.
- 7185 R. *Vedo* 0300-0800 RR (Sa/Su)
- 7305 R. *Maykop* 1730-1800 Fridays (Adygey language)
- 7305 R. *Nalchik* 1730-1800 Sundays (Kabardino language)
- 7370 R. *Ala* 1310-0100 (Ekaterinoburg)
- 7380 R. *Ala* 1730-2200, -1200-1530
- 7400 R. *Ala* 0530-1400
- 9535 R. *Ekho Mosk.* 0300-0600 RR, 1400-1500 RR (Sa/Su), 1500-1900
- 9560 *FEBC-Russia* 0800-0930 RR, 0930-1030 KK
- 9655 R. *Vedo* 1400-1800 RR (Mon-Fri)
- 9865 R. *Radonezh* 1500-1700 (alternate: 9450)
- 9865 R. *Alpha and Omega*, Religious pxs 1400-1500
- 11675 R. *Pamyat* 1500-1800 RR (20 kW)
- 11685 R. *Ala* 0130-1300
- 11735 R. *SNC* 0200-0400
- 11760 R. *Vedo* 1400-1800 RR (Mon-Fri)
- 11805 R. *Radonezh* 1500-1700 RR
- 11880 R. *Galaxy* 1900-2200 RR (alternate: 9880)
- 11965 R. *Ala* 0500-1300
- 11990 R. *101* sked unknown, heard in Moscow
- 12020 E. *101* sked unknown, heard in Moscow
- 12030 R. *Pamyat* 1330-1500 RR 200 kW (Ekaterinoburg)
- 12030 R. *Ala* 0100-1300
- 12050 R. *Radonezh* 1130-1330 RR
- 13710 R. *Vedo* 1400-1800 RR
- 15255 R. *Ala* 0230-1300 (Ekatarinoburg)
- 17710 R. *Aum Shinrikyo* 1300-1400 JJ. [Alternate: 15315].
(Bob Padula in ADXN)

Addresses:

Radio Alpha and Omega: ("Christian Radio Station Alpha and Omega"). Mukomol'nyi pr. 1 korp.2, Moscow 123290. Tel: 2599397 (Rudnev)

Radio Pamyat: (Radio Station Memory) 113 054 Moscow, Ul Valobvaya, house No, 32, flat no 4, Radioprogramma Otechestvo, Pamyat i Ty", or Pamyat, Moscow, 113 535, PO Box 23. Tel: 237 3971 (BBCM)

Radio Shark: Programmes of the Titan Company and Radio Kontakt Plus are on the same frequencies but at different times. Prospekt Oktyabrya 56/1, Ufa 54, 450054, Bashkortostan. Radio Kontakt Plus and Titan Company, ul Sovetskaya 14, Komnatta 9, Ufa 8, 450008 Bashkortostan. (NDXC and BBCM)

Radio Alef: Not known. Programming prepared by Radio Moscow and the Jewish Childrens' Associations. (BBCM)

Radio Rezonana: Studios in the Olympic radio and TV centre in Ostakino, Moscow. Programmes are directed to the business and stock exchange community, with ads in RR, EE, GG, Polish, Slovak, FF, Czech. Address: 127427 Moscow, ul Koroleva 919. Tel: Moscow 215 6465, 217 9454. Fax: Moscow 215 0174. (BBCM and NDXC)

Radio Ala: PO Box 159, Moscow 125047. Tel: Moscow (095) 233 7238. (BBCM)

Radio Space: Butirskaya Street 23, Moscow 125015. Fax: 285 2860. (BBCM)

Radio SNC: A rock, pop, and punk music station. SNC = Stas Namin Centre, named after a well-known person on the Soviet pop-music scene. Address: ul. Krymskiy Val 9, 117049

Moscow. Tel: (095) 2341943 or 2371089. Fax: (095) 2373435. (BBCM)

Radio Polis: 192 007 St. Petersburg, Ligovskiy prospekt 253 flat 2 (or PO Box 90, St. Petersburg). Tel: 166 2464 or 166 3796. (BBCM)

Radio Vedo: PO Box 1940, Volgograd 400123. (NDXC)

Radio Trek: PO Box 932, Ekatarinoburg 620063. (NDXC)

Radio Ekho Moskvy: Radio Echo Moscow/Radio EM, ul. Nicolskaya 7, Moscow 103012. Fax: (095) 924 7234. Tel: (095) 297 8058. (NDXC)

Radio Oumu Shinri-kyo: ("Gospel of our Nation"). A Japanese religious sect founded by Shoko Asahara, started 4/1 via Far East transmitters of Radio Moscow. Broadcasts are titled: "Euagerion tess Bashireiasu" - Gospel of our nation - Greek Programmes are taped at OSK own studios in Japan and shipped to Radio Moscow for rebroadcasting. (NDXC)

FEBC Russia: Far East Christian Broadcasting, PO Box 2128, Khabarovsk 680020. (NDXC)

Radio Yakutsk: ul. Semena Dezhneva, 75-2, Radio Centre, Yakutsk 677000. (NDXC)

Radio Radonezh. Station of the Russian Orthodox Church, Studio 158, ulitska Pyatnitskaya 25, Moscow 113326. (NDXC/BBCM)

Radio Dvizhenie: The Dvizheniye (Traffic) programme uses Radio N facilities 0500-0600. (BBCM)

Radio Galaxy: Broadcasts mainly pop music with occasional commercial announcements in English or Russian. (NDXC/BBCM). Announced: PO Box 7, Moscow 117418. Believed to use studios at Radio Moscow. Tel: Moscow 2115475 Wednesdays between 1800-2100. (BBCM)
(Bob Padula via ADXN)

A station which has been heard each Friday since 5/8 broadcasting in Tatar on 12075 kHz at 1500-1545 has now been identified. It's called *Spiriural Heritage* [Tatar: *Rukhi Meroe*]. It contains Islamic religious material prepared by the Moscow Islamic Center. It announces use of 17890, 12075, 4055 & 1089 kHz. (WBI 6/26)

R. Space, Moscow, closed down in late June. The directors are starting a new venture called **Radio Center**, with test programs at 1500-1600 on 1440 MW. **R. Pamyat** is in financial difficulties and has been asking for donations over the air since about 6/10. (Sergei Sosedkin, Moscow, who may join Radio Center's staff, on DXPL 7/11)

RWANDA - Deutsche Welle is modernizing its relay station near Kigali. The original 1960's senders have been taken out of service and replaced by two new ones. Engineers are dismantling the old xmtrs and modifying and extending the antenna arrays. A third and fourth 250 kw xmtr will be installed soon, to start service in early 1993. (RNMN 6/25)

BBCM has traced an anti-government station which began broadcasting in the summer of 1991. It's on 6400 kHz at 0415-0515 and 1715-1815. Programs are in Kinyarwanda, the language of Rwanda. The opening announcement is "This is **Radio Muhabura**, the voice that repatriates, the voice of the RPF, indomitable fighters." Muhabura is the name of a mountain on the Rwanda-Uganda border; it can be translated as "Leading the way". (Richard Measham, BBCM, on RNMN 7/9)
It continues to be heard at approximately 0415-0515, 1000-1100 & 1715-1845 on either 6340 or 6400 kHz. Programs in French and Swahili have been noted, in addition to the usual Kinyarwanda. (WBI 7/17) The Rwanda government and the guerilla Rwanda Patriotic Forces, which operates a clandestine station on 6400 kHz, agreed on a truce in Arusha, Tanzania, 7/12. Discussions on a transition government were to follow. (BBC WS in EE, 0400 7/13, via Mike Fern)

SOUTH AFRICA - Radio RSA introduced its J92 sked on 5/3, as follows: EE 0200-0400 on 7270, 0300-0500 on 5960, 0400-0600 on 9695, 0600-0700 on 15220, 1000-1200 on 11900, 1600-1800 on 9565 & 11885; FF 0300-0400 on 4945, 0300-0600 on 7230 & 11860, 0500-0700 on 15365, 1800-2000 on 11950 & 15440. PP 0400-0500 on 4945, 0500-0600 on 11920, 1130-1200 (Mon to Fri only) on 11790, 1900-2000 on 4965, 2000-2100 on 9550. Tsonga 0900-1000 (Sa/Su) on 9585. Swahili 1400-1700 on 11900. Lozi 1500-1800 on 9555. Chi-Chewa 1500-1800 on 5960. All services directed to Africa. (Bob Padula in ADXN)

ST. HELENA - *R. St. Helena*, which did a one-time special for the Nordic DX Club in 1990 on 11092 kHz, may repeat this fall. Station Manager Tony Leo told two visiting Swedish DXers, John Ekwall and John Tenier, that the governor of the island has given permission to reactivate the SW xmtr. (RNMN 6/25)

SLOVENIA - The Republic of Slovenia became the 171st member of the International Telecommunications Union on 6/16, when its instrument of accession was deposited at ITU HQ in Geneva. Slovenia is in the northwestern part of former Yugoslavia next to Austria and Italy. It has a population of two million. Capital and BC center, Ljubljana. (Bonaire Wavelength 7/4)

SPAIN - For Z92, *Spanish Foreign Radio* continues to offer a programme "from Santa Cruz de Tenerife, Canary Islands", in Spanish, 2200-2300 daily, on 6125, for the Americas, reports BBCMS. Undoubtedly, this will be perceived by the global DX press as a direct transmission from Tenerife. It is my understanding that this is merely a programme produced in the Tenerife studios, and carried over the usual Spanish Foreign Radio transmitters. (Bob Padula)

SRI LANKA - The spelling of this country's name has been officially changed from Sri Lanka to Shri Lanka. (Paul Cooper, Canadian Amateur Radio Federation, on DXPL 6/20)

Trans-World Radio Sri Lanka has secured the government's OK for SW broadcasts from its MW site at Puttalam. TWR will start SW broadcasts about 9/1 with a 12.5 kw xmtr that was leased from the SLBC. The xmtr had been installed in 1982 to jam clandestine Tamil broadcasts. It sat idle for some time and was not in good shape. TWR will restore it. TWR also shipped its own 100 kw xmtr from the HCJB xmtr plant in Elkhart, IN, to Puttalam in July. (VG on RNMN 6/25)

SUDAN - *R. Omdurman* was heard testing on 7200 kHz at 1757 6/24, asking for reports on a new 100 kw xmtr. The test sked was 5 am to midnight local time (0300-2200 gm). The address used on the air was: R. Omdurman, P.O. Box 572, Omdurman, Sudan. (Andy Sennitt on RNMN 6/25) At 0534 6/25 the station had an announcement in Arabic, English & French, requesting reports on the audibility of the station on 7200 kHz to the above address. (WBI 7/3) Col Sulayman Muhammad Sulayman, was reported by the MENA news agency, Cairo, in a report from Khartoum, to have said that Omdurman Radio will reach all parts of the world before the end of the year, with the installation of two new stations, one international and one African. (WBI 7/3)

National Unity Radio, from Omdurman, is currently noted in Arabic & English at 1300-1700 on 9535 kHz. The relay of *Republic of Sudan Radio* is also noted on 9535 kHz at 0300-0600. (WBI 7/3)

TAHITI - *RFO Tahiti* has finally adjusted its transmitter. Now on exactly 15170.0 kHz, since 6/21; from 0430 island music w/ strong signal. Transmitter was off frequency for 21 years, since it came on the air in April, 1971. (Ernie Behr)

TAIWAN - *BCC Domestic Service* relays observed between 2100-2400 on 9610, 11725, 11845, 15125. Usage appears to vary, seems to take two Networks - (News Network), and (First Network). Three channels are in parallel most days - 9610, 11845, 11725 kHz. 15125 appears to carry either Network. (Bob Padula)

TANZANIA - The *Voice of Tanzania - Zanzibar* will expand its output from 11 hours to 18 hours daily. A new studio is to be completed in October. A new transmitter will be installed. An external service in English will follow. (BBCM on RNMN 7/17)

THAILAND - *R. Australia* made some changes on 6/17 which left *R. Thailand's* 31m frequency clear, particularly for English at 1130-1200 on 9655 kHz. (VG on RNMN 6/25)

TONGA - The return of the shortwave service on 5030 kHz seems to be a long way off. Since the transmitter was moved to the new building, a fault was found. The starting date has not been set. (AC on RNMN 7/16)

UKRAINE - *R. Ukraine*, Kiev, switched frequencies in May for the 0000 broadcast in English to NA. The late spring freqs are 7195, 7250, 11520, 12040, 12060, 12330 and 15355 kHz (Marie Lamb, NY, on DXPL 6/20)

UNITED KINGDOM - The *Radio Japan* tests over the Skelton facility moved to a regular sked on 7/1. Regular sked is: 0400-0500 JJ, 0500-0600 EE on 9770 & 9695; 0600-0700 JJ, 0700-0800 EE, 0800-0830 RR, 0830-0900 GG on 9770 & 9670; 1930-2000 RR, 2000-2100 JJ, 2100-2130 GG on

6025; 2130-2200 FF on 6110; 2200-2300 JJ, 2300-2400 EE, 0000-0030 JJ on 6025 & 6160. NHK is offering special QSL cards for this new relay. (Radio Japan via John Wright, via ADXN)

URUGUAY - R. Oriental, Montevideo, 9595 kHz, was heard in Denmark during a DXpedition the weekend of 6/20 at 0330 with good strength // its MW outlet on 930 kHz, which was much weaker. (Finn Krone on RNMN 6/25)

UNITED ARAB EMIRATES - Abu Dhabi Seems to have introduced a new sked. Noted 15305 with Arabic 0030-0200*, 7/9, and ID and anthem at s/off. English found on 13605 at 2300-0000, parallel with 15305, 7/7. (Bob Padula, Australia)

USA - WJCR, Upton, KY, has changed its original plan for four transmitters. Xmtr no. 2 was to begin broadcasting to Latin America 24H on 7460 kHz in June. Owner Don Powell now wants xmtrs 3 and 4 beamed on China [sic] and Russia. But financial stability for the existing two xmtrs comes first. The teaching programs are sponsored and pay for the musical programs, which are basically Southern gospel music. Overseas mail has been strongly in favor of the gospel-music format. Visitors are welcome at the xmtr site between 8 am-4 pm weekdays. The Powells chose shortwave over satellite because they realized that the satellite audience was made up of people with lots of money. Within a month after going on the air WJCR had received letters from 80 different countries. (Mrs. Don (Jerry) Powell, WJCR, and Ken MacHarg on DXPL 6/20). [WJCR has been silent on both freqs around 0100-0500 from about 6/20 to 6/24. What gives?--mj]

The 11-man (?) official commission studying the project to create a *Radio Free Asia* has cancelled plans to visit Beijing. Chairman John Hughes said the Chinese refused to grant a visa for one member of the delegation and set unacceptable terms for the visit. (RNMN 6/25)

Prospects are improving for a new U.S.-sponsored surrogate radio called *R. Free Asia*, similar to *R. Free Europe*. *R. Free Asia's* studios will be in Washington, DC, and some transmissions will use existing sites of the Voice of America. Air time in Siberia is also being considered by John Hughes' committee. China will be one of the station's main targets.

House Foreign Affairs Committee chairman Dante Fascell has issued a statement supporting the idea that *R. Free Europe* be authorized to broadcast to war-torn Yugoslavia. RFE spokesman Patricia Gates-Lynch said "We're just waiting to see what is the next step, because Dante Fascell (a congressman very interested in international broadcasting and very helpful and aware of it) has said 'The dissemination of truthful credible information and analysis by RFE has played a significant role in peaceful democratic transformation.' Now that's the status: they are declaring for it and we're just standing by to see what happens next."

JM: This would be new territory. RFE's never broadcast to Yugoslavia before.

PG-L: That's correct. We have never broadcast to Yugoslavia before; that isn't one of our countries. We of course broadcast to many countries around it.

JM: If this were to happen it would need extra funding.

PG-L: It would, yes. We would have to have extra funding for it, and there's nothing that mentions that in this proposal. (RNMN 7/9)

VATICAN - From 9/6 *Vatican Radio* plans to use new 11640 for the early morning service to Europe, *0210-0230 Armenian, 0230-0330* Russian/Ukrainian. This outlet would be of 250 kW. Other planned operations in the extended bands from 6 September are: 5882 100 kW 0000-0045, 1930-2400; 7305 0100-0400; 7310 2130-2245; 11620 0030-0230; 11625 0400-0700, 1700-1900, 2000-2100; 11640 1315-1345; 15090 0400-0700, 1230-2130; 17525 1230-1500; 17550 1230-1330; 21850 1100-1315. VR sked is very complex, and it appears that there are two 500 KW transmitters available; the only time that both are on simultaneously is at 1700, using 15090 and 17730. Up to three 250 kW transmitters are also in use, with all three being on the air at 2200 (7310, 9600, 11830). There are six 100 transmitters in use simultaneously, at 1600 (6245, 7365, 9645, 9755, 15090, 17730). Based on research of data provided by Vatican Radio Engineering. (Bob Padula in ADXN)

YUGOSLAVIA - R. Yugoslavia, Belgrade, has English at 1930-2000 and 2100-2130 on 7200 kHz only. The new SW xmtr site (which isn't in Serbia or Montenegro) apparently is off the air. (BRTN Teletext on RNMN 6/25)

From monitoring research 6/22 & 23, BCM reported in WBI 6/26 that *Radio Yugoslavia's* external service had been reduced to broadcasting on a single frequency, 7200 kHz. This included *UNPROFOR* programs in English during a 1930-2000 segment. The transmitter is thought to be located near Belgrade. (WBI 6/26) Later indications are that they're using additional frequencies, including 11870 kHz. [df]

Serbski Radio, Belgrade, heard in Moscow on 7195 kHz not 7200 as reported elsewhere, at 1900 with news in Serbo-Croat. (Sergei Nikishin, Moscow, on DXPL 7/5) [WRTH 92 says 0600-2305--RMV]

CLANDESTINE -

Shen Tong, a leading activist in the 1989 Tienanmen Square project, and president of the *Democracy for China Fund*, visited Budapest to discuss the possible use of R. Budapest transmitters to broadcast pro-democracy programs towards China under the name *Radio Free China*. (RNMN 6/25)

The *Voice of the Mojahed* [Persian: Sedaye Mojahed], believed to emanate from transmitters in Iraq, operates at 0130-0330 on 9650, 7070, 6220, 5630, 5600, 5225, 4700, 4670, 3780, 3557; at 0900-1000 (unconfirmed) on 7070, 6225, 5830, 5737, 4750, 3557 kHz; and 1630-1830 on 7070, 6720, 6510, 6220, 6110, 5740, 5590, 5245, 5080, 4700, 4470, 3790 & 3557 kHz. All frequencies vary. (WBI 6/26)

Iran's Flag of Freedom Radio announced 7/11 it would change on 7/13 to this schedule: 0330-0530 on 15100, 15565 and 15640 kHz; 0645-0730 on 15100 & 15620; 1400-1445 on 15620; 1630-1830 on 15100 and 15620 kHz. All frequencies have been confirmed except 15100 kHz. (WBI 7/17)

Voice of Rebellious Iraq [Arabic: Sawt al-Iraq al-Thair], supporting the Iran-sponsored Shiite Supreme Assembly of the Islamic Revolution in Iraq, under Muhammad Baqir al-Hakim, in currently on 7097v, instead of a frequency around 8000-8100 kHz. It announces it also uses 1431 kHz and says it is on the air 1730-1930, 0430-0630 and 1230-1430 GMT. (WBI 7/17)

MOZAMBIQUE - A Voz de Renamo - The author of an article in the *Johannesburg Star*, who visited Renamo's base at Gorongosa, says there was no sign of a transmitter or antenna at this rather primitive camp. So the theory in the April CCN that transmissions could come from Kenya is, perhaps, not so far fetched. Another candidate could be Malawi, which seems to be the least sympathetic country in the region to the current Mozambican regime. (Vashek Korinck, in NU)

UNIDENTIFIED - Spanish speaking station, playing traditional music, on 6318 kHz at 0600 Sun 6/28. Fair signal, but swamped by commercial radiotelegraph stations, including KPH San Francisco. Not heard week nights. Definitely not La Voz del Cid on 6305 kHz. Might be R. Venceremos, but I can't get enough readable speech to be even tentative. (Mike Fern--CA)

publications - The 20th edition of the Tropical Band Survey has been published by DSWCI. Stations are listed in frequency order from 2000-5900 kHz. Skeds and xmit powers are given where known. Editor Julian Anderson has gone to a lot of trouble to produce this year's book. It's well worth the price: 8 IRC's sea mail or 9 IRC's air mail, to: DSWCI, Greve, DK-2670 Denmark. (RNMN 7/9) Or it would be if it were readable. It's printed in black on a deep red/orange paper that makes it a real pain to attempt to read! [df]

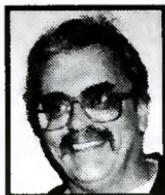
The Danish Shortwave Clubs International has published a new edition of its Clandestine Stations List, edited by Finn Krone. The survey is in country order, listing the country of origin, the last known sked, and the sponsoring organization. Addresses are also given where known. Freqs are not guaranteed to be accurate because many stations move around to defeat jamming. The cost is 6 IRC's for sea mail or 7 IRC's for air mail, to: DSWCI, Greve, DK-2670 Denmark. (RNMN 7/9)

SOURCES - ASWP--Austrian Shortwave Panorama, ORF; DXPL--DX Party Line, HCJB; KMH--Ken MacHarg, DXPL; QLB--Quito Log Book, DXPL; RMV--Rich McVicar, presenter, DXPL; LMV--Lisa (Mrs. Rich) McVicar, DXPL. RJMR--Radio Japan Media Roundup; BMM--Bruce MacGibbon, RJMR; RKSF--Radio Korea Shortwave Feedback. RNMN--Radio Nederland Media Network; JM--Jonathan Marks, presenter, RNMN; VG--Victor Goonetilleke, RNMN; VS--Vasilii Strelnikov, RNMN. RNZI--Radio New Zealand International Mailbox. AC--Arthur Cushen, DXPL, RNMN or RNZI. Above sources monitored by Mike Fern unless otherwise noted. RMWS--Radio Moscow World Service. SCDX--Sweden Calling DXers.

MISCELLANEOUS - In recent months I've spent a number of lunch hours helping to take care of some of the QSLing for VOA's Moepeng Hill (Botswana) Relay Station. I developed a particular appreciation of those who included a self-stick address label with their report. The postal people are even more appreciative, since they didn't have to try to read my handwriting. [df]

The occasional opinion snuck in here is mine, not VOA's. Back next month. Dan

QSL Reports



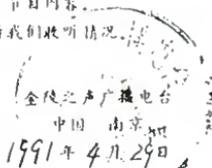
Sam Barto
47 Prospect Place
Bristol, CT 06010

广播收听证

亲爱的朋友:

经证明您1989年12月13日的收听报告符合我台(4875 kHz)节目内容。

欢迎您能继续告诉我们收听情况。
谢谢!



Dear Friend, Nick Terrence
Your reception about our broadcasting
(4875 KHz) is correct on 13 December
1989.

69 ds. (Schwartz-NY). 6005 f/d ltr. w/ fact sheet in 2½ mo. for 2 IRCs. (Clar-NY).
ASIATIC RUSSIA: Adventist World Radio 11855 via **Novosibirsk** f/d cd. w/ personal ltr., schedule and rpt. form in 42 ds. v/s Lina Lega, Secretary. (Yamada-JPN)...cond't

NOTES: Jim Clar in Rochester, NY sent in his contribution to this months QSL Column. Your reporting format is fine. Don't change it. Jim would like the addresses or the source used for the BBC relay addresses. He can be reached at 41 Vick Park A, Rochester, NY 14607. By the way Jim, thank you very much for your kind words about the Column. It was more than appreciated. I see where you cut off the top of your pinkie finger in a college hockey game. I presume by a skate blade. Quite painful! My wife's brother was captain of his college hockey team. In fact my second hobby is hockey collectibles...Sam. **Mark Humenyk** in Ontario and **Kevin Murray** recently requested QSL Column report forms. I do have them but you can write out your report much like what appears in this Column. I'll get it in the bulletin. Just make sure that you write your last name after each item. If you don't [and I don't catch it] you may not get credit...Sam.

f/d cd. w/ schedule and ltr. in 7 wks. via Forli. (Howard-CA). same in 1 mo. w/ personal ltr. (Field-MI). **Radio Moscow** 15425 via **Petropavlovsk-Kamchatsky** f/d cd. in 69 ds. w/ several station schedules. (Schwartz-NY).

AUSTRALIA: VNG 16000 f/d folder cd. in 12 ds. w/ personal ltr. for 2 IRCs v/s Marion Leiba. (Franzen).

AUSTRIA: Radio Austria International 9875 f/d "Narcissus Festival" cd. w/ ltr. in 34 ds. (Humenyk-ONT).



TV-RADIO TBILISI

BAHRAIN: Bahrain
* **Broadcasting Station** 9746
n/d cd. in 129 ds. for 1 IRC. (Flynn-OR).

BHUTAN: United Nations Radio
* 5025 via **BBS** in **Thimphu** very friendly ltr.

To Nicholas Grace
Confirm our SWL and Program Radio Tbilisi Georgia
Date 6.10.1989 at 5040 kHz msk
on 5930 150401 . 5040 kc
Vy Tranks QSLI 731



RADIO CENTRO
uniendo al mundo con su
banda internacional de los 90mts.

from Sylvester E. Rowe, Chief, Electronic Magazines and Features Service, informing me that my rpt. was selected as "Pick of the Mailbag" for the "UN Frequency" circular in 3 mo. (Howard-CA).

BOLIVIA: Radio Fides 4845 p/d ltr. w/ "Map" cd. w/ schedule in 27 ds. for a SP rpt. and \$1.00. v/s Eduardo Perez Iribarne, Director. (Durden-GA). **Radio Santa Cruz** 6135 f/d personal ltr. in 48 ds. Also rcvd. a very beautiful pennant. (Flynn-OR).

VERIFICATION SIGNERS: Radio Difusoras Tropic 4553 Eduardo Avila Alberdi, Director. **Radio Bandeirantes** 11925 Salomao Esper, Director Gerente. **Radio Difusora Amazonas** 4805 Jose Joaquim Marinho (He collects stickers and stamps!) **Radio Difusora Aquidauana** 4795 Primaz Aldo Bertoni. **Radio Cultura Araraquara** 3365 Antonio Carlos Rodrigues dos Santos, Director Artístico. **Radio Marajoara** 4955 Neide Carvalho, Secretaria. **Flag of Freedom Radio** 9355 Dr. Manoucherhr Ganji, Secretary General. Addr: 20 Rue de Condorcet, F-75009 Paris, France. **Radio Africa 2000** 6910 Teodora Silochi Thompson, Secretaria. Addr: Cooperacion Espanola C/o Embajada de Espana, Malabo, Guinea Equatorial. **Ecos del Atrato** 5020 Julia Maria Cuesta L., Secretaria. **Radio Nacional de Colombia** 11822 Mrs. Adriana Giraldo Cifuentes, Directora.....via **PLAY - DX**.....Sam.

BONAIRE: Trans World Radio 11815 "Nina" sticker cd. w/ personal note in 1 mo. for rp. v/s Sally Rork. (Walker-MI).

BOTSWANA: VOA 15445 f/d cd. in 71 ds. for a f/up rpt. v/s Dan Ferguson. (Leite-MA). 15300 "Special 12/6 Transmission" cd. in 6 1/2 mo. (Millard-TX). 7265 f/d cd. in 21 ds. (Helms-KS) 11940 p/d cd. in 120 ds. after a f/up rpt. (Hankison-KS).

BRASIL: Radio Cultura de Sao Paulo 17815 p/d ltr. w/ schedule and stickers in 39 ds. for a PT rpt. and \$1.00. v/s Maria Luiza A. Kfourri, Chefe de Producao E. Programacao. (Durden-GA). **Swiss Radio International** 17730 f/d cd. in 29 ds. w/ schedule. (Helms-KS). **Radio * 8 de Setembro** 2490 personal hand-written ltr. in 5 wks. for a taped rpt. and \$1.00. v/s Adonias Gomes. (Valko-PA). **Radio Guaiaba** 5965 p/d green "Logo" cd. in 2 wks. for a PT rpt. and \$1.00. (Loudell-DE). **Radio Anhanquera** 11830 n/d ltr. w/ postcard in 39 ds. for a PT rpt. and \$1.00. v/s Jose Marciano de Almeida Silva. (Durden-GA)...Jose collects postcards. **Radio Nova Difusora de Aquidauana** 4795 f/d "Certificado de Sintonia" cd. in 47 ds. for a PT rpt. and \$1.00. v/s Primaz Aldo Bertoni, Director. (D'Angelo-PA).

CANADA: Canadian Forces Network via RCI ltr. was rcvd. from Jran Choquette, Manager of * the Technical Operations, CFN, Lahr, Germany for the relay to the "Canadian Peace Keeping Forces in Yugoslavia". Sticker rcvd. Addr: Jammstrasse 9, D-7630 Lahr. (Berg-MA).

Deutsche Welle 6085 via **Sackville** n/d cd. in 19 ds. (Schwartz). **CHU** 7335 p/d cd. in 40 ds. (Fahrer-NY). **CFRX** 6070 f/d "Winter Solstice Certificate" cd. in 3 mo. for 2 IRCs. (Franzen). **RCI** 9755 f/d cd. w/ schedule. v/s Bill Westenhaver, CIDX. (Walker-MI).

CANADIAN PIRATES: CSIC 15055 f/d "Controversial Treatment" sheet in 4 mo. for \$1.00 and 2 ms. (Comeau-MA). 7413 f/d "The Wrong Rubber Can Burst at the Wrong Time" sheet in 4 mo. (Comeau). **CRTC** 7413 f/d form ltr. for a relay via **CSIC** in 6 wks. for \$1.00. (Lobdell).

CHINA, PEOPLES REP. OF: Radio Bei-

jing 11855 via **Jinhua** f/d cd. w/ papercut in 20 ds. (Radtke)

Jiangxi PBS 6040 f/d ltr. w/ schedule in CH in 30 ds. (Schwartz-NY). **Xinjiang PBS** 4735

f/d "Girl Weaving Carpet" cd. w/ form ltr. in 18 wks. for \$1.00. v/s Guo Ying. (Loudell).

COLOMBIA: Radio Macarena 5975 f/d

"Certificado de Sintonia" w/ 2 page personal ltr. and sticker in 34 ds. for a SP rpt. and \$1.00. v/s Enrique Zambrano Nieto, Gerente. (Durden-GA).

RADIO WAVES INTERNATIONAL

QSL N° 32/042

DATE: 7/03/1992

TIME: 24.35 TO 23.45

ON 4404. KHZ 25Mh

S.I.N.P.O. A. 7. 7. A. 1.

via

Lobdell

Pete Hill's
SW
week end sound

73's. Good DX.FFER

BWI
RP N° 130
92504 RUEH
(FRANCE)

Feliz Navidad - Ventur.



COLOMBIA: Caracol
Bogota IJQR
6150 f/d cd. in 2 mo. for a SP rpt. and a tape for 3 IRCs. w/ postcards. (Franzen).

CROATIA: Hrvatska
Radio 9830 f/d
silver and black cd. in 2 1/2 mo. after a f/up rpt. w/ \$1.00. (Lobdell-MA). same cd. in 98 ds. for \$1.00. (Millard-TX). in 115 ds. (Schwartz-NY). 9830 f/d 7420 f/d cd. in 75 ds. for 3 IRCs. (Hankison-KS).

Radio La Voz de Galapagos
LA VOZ DE GALAPAGOS
4.810 KHz BANDA DE 61 MHz
Agencia de Radios de Galapagos
v es p e n a m e n t e c o n a h a f a b r i c a d o
CANAL 13
Autor Autor
Radio La Voz de Galapagos
Galapagos
MISION FRANCISCANA

Nicolas Graue
40 Woods. de Rd.
Harvard, MA 01451
EE. UU.

CUBA: Radio Habana Cuba 11950 f/d "RHC DX QSL" in 6 mo. w/ schedule. (Loudell-DE).

VERIFICATION SIGNERS: Ecos del Combeima 4785 Jesus Erney Torres. **Radio La Ene** 103 4799 Luis Jose Rodriguez, Director Interino. **Radio Catolica Nacional** 3395 Nancy Moncada, Secretaria. **Radio TV Malaysia Sabah** 4970 Hasbullah Latiff. **Radio Horizontes** 4509.3 Addr: Jiron Proceres 745, Urbanisation Latina, Chiclayo. **Radio Rossiy** 15630 5th St. of Yamskoye Pole 19-21, Moscow 125124. **Echo of Moscow** 6035 Michail Rozenblat, Demijana Bednogo Str.24, Moscow.....via **PLAY / DX**Sam.

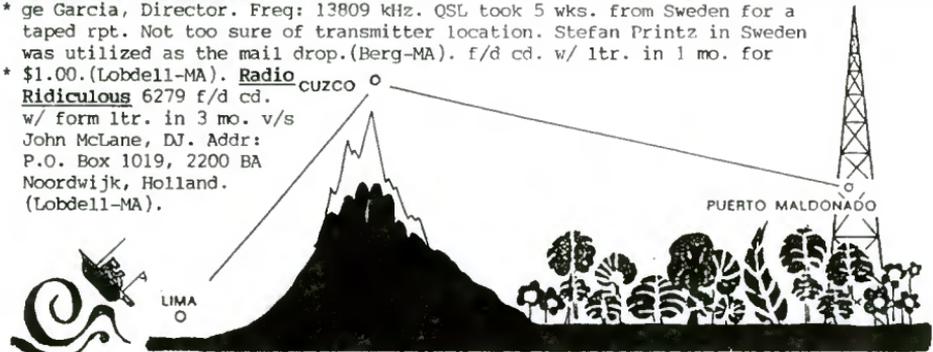
CZECHOSLOVAKIA: Radio Praha International 9540 f/d cd. in 28 ds. (Fahrer-NY).

ECUADOR: HCJB 15115 and 9745 f/d "Children of Ecuador" cd. in 2 wks. (MacHarg). 9745 f/d "Equatorial Monument" cd. in 1 mo. for \$1.00. (Hoersten-OH). 15155 f/d cd. in 43 ds. (Helm-KS). f/d "Leaping Llamas" cd. issued on Leap Day (do you mean leap year day?) in 2 mo. for 2 IRCs. (Franzen). f/d "HCJB News" cd. from 1981 in 1 mo. (Walker-MI). 21455 f/d "HCJB Musicians" cd. from 1981 in 3 wks. (Walker-MI). **HDZIOA** 7600 f/d "Logo" cd. w/ ltr. in 7 mo. for a taped rpt. and a rpt. in SP w/ \$1.00. v/s Fausto Lopez Villegas, Cpt. de Corbeta-UN. (Clar-NY). **Ecos del Oriente** 3270 p/d "Diploma de Honor" cd. w/ brand new 20 Sucre bill (!) in 117 ds. for a SP rpt. w/ ms. (Durden-GA). **Escuelas Radiofonicas Populares** 5010 n/d form ltr. w/ big, beautiful station pennant in 23 wks. for a SP rpt. and \$1.00. v/s Juan Perez Sarmiento, Director Ejecutivo. (Loudell-DE). **Radio Nacional del Ecuador** 15250 via **HCJB** f/d "Mt. Chimborazo" cd. in 1 mo. w/ personal note from Rich McVicar. (Field-MI). **National Radio Club** 9745 via **HCJB** NRC has its own QSL cd. w/ f/d for their segment on the DXPL program. (Berg-MA). **Radio Federacion** 4960 f/d long personal ltr. in 1 mo. for a SP rpt. and \$1.00. v/s Prof. Albino Utitiaj, Dirigente de Medios de Comunicacion Social de la Ficsha. (Loudell-DE). **La Voz de Las Caras** 4795 nice long ltr. in SP from Eduardo Rodriguez Coll in 4 mo. for a SP rpt. and \$1.00. (Lobdell-MA)...Can't remember when we have had so many rpts. from Ecuador. Good going...Sam.

EGYPT: Radio Cairo 9475 f/d cd. w/ schedule and stickers in 146 ds. (Helm-KS).

EURO PIRATES: Radio Pirana International nice B&W cd, w/ fish logo. 200 watts. v/s Jorge Garcia, Director. Freq: 13809 kHz. QSL took 5 wks. from Sweden for a taped rpt. Not too sure of transmitter location. Stefan Printz in Sweden was utilized as the mail drop. (Berg-MA). f/d cd. w/ ltr. in 1 mo. for \$1.00. (Lobdell-MA).

Radio Ridiculous 6279 f/d cd. **cuscco**
w/ form ltr. in 3 mo. v/s John McLane, DJ. Addr: P.O. Box 1019, 2200 BA Noordwijk, Holland. (Lobdell-MA).



RADIO MADRE DE DIOS OBX 7L 4950 OBX7J. 1230 FM 92.50

St. Anne's Church is Bernadine Monastery
ансамбл
Ансамбль артистов св. Анны и
Бернардинского монастыря
The ensemble of St. Anne's Church and the
Bernadine Monastery

RADIOCENTRAS has the
pleasure to verify your
correct reception report:

Date: 26 Oct 1991
Time: 0659-0726 UTC
Frequency: 9710 kHz
Xmitr: Sit: 12m1, 50 kW
Antenna: HR4/4/1, 259°
Coordinates: 23E49 55N02

QSL

VERIFICATION CARD

To: Richard D'Angelo
Lyomissing,
USA

Best wishes from
RADIOCENTRAS
Box 1792
LT-2010 Vilnius
LITHUANIA

FRANCE: Radio France International

17620 via Issoudun f/d cd. w/ site
and schedule in 3 wks. for 1 IRC.
(Romeo-NY).

GERMANY: Deutsche Welle 13610 via Leipzig f/d cd. in 3 mo. (Field-MI). cd. w/ schedule and ltr. in 19 ds. (Schwartz-NY). 6145 and 11890 via Nauen cd. w/ ltr. in 19 ds. (Scheartz-NY). 9730 and 11785 n/d "Map" cd. in 31 ds. (Schwartz). 9640 and 13770 via Konigs Wusterhausen cd. in 19 ds. (Schwartz). 13690 cd. in 31 ds. w/ schedule. (Schwartz). 11810 via Julich cd. in 19 ds. (Schwartz). 9650

and 13780 cd. in 31 ds. (Schwartz). 9510 n/d cd. w/o site in 2 mo. (Boulden-CA). 6085 via Wertachtal n/d cd. in 65 ds. (Flynn-OR). (Franzen).

GHANA: Ghana Broadcasting Corporation 4915 f/d cd. in 3 mo. for 3 IRCs. and a taped rpt.

NOTES: Jerry Klinck says he just got his first QSL in 6 months. It was from an Australian site he needed. Thank you for the beautiful photo of your "DX Dream Room". It is, in my estimation, the best DX set-up I've ever seen. Wood grain and everything. Hi! Hope you log and QSL mucho stations... Sam. Adie Durden says that the return rate for QSLs has been dismal. Several reports have been sent to Radio Andina and Radio TV Congo with no results. Keep trying - at least your not sending reports to Pyongyang. Hi! Rick Romeo sent along a very informative letter regarding QSL sites. Sometimes I get the sites (or even countries) listed incorrectly. With the current world ethnic situation in flux and the advent of pay-for-relay sites its a wonder we can get anything right... Sam.

GREECE: Voice of Greece 11645 f/d cd. in 36 ds. w/ schedule. (MacHarg).

GUAM: KSDA 15610 f/d cd. w/ pennant and schedule in 3 wks. (Field-MI). 11980 f/d cd. in 3 wks. for reception of the "DX Airwaves" program. v/s Bob Padula. (Field-MI).

HOLLAND: Radio Nederland 6050 f/d "Solar 1992" cd. in 1 mo. (Loudell-DE).

HONDURAS: HRVC La Voz Evangelica 4820 n/d "Logo" cd. w/ form ltr. in 49 ds. for a SP rpt. and \$1.00. v/s Orfa Esther Duron Mendoza. (Yamada-JPN).

HUNGARY: Radio Budapest 11910 f/d "Siogard National Costume" cd. in 1 mo. (Humenyk-ONT).

INDIA: All India Radio 11620 via Bangalore cd. in 1 1/2 mo. for 2 IRCs. (Hoersten-OH). f/d "Village Fair" cd. w/ schedule in 42 ds. for 1 IRC. (Buer-FL).

IRAN: VOIRI/IRIB 9020 p/d "Khomeini" cd. w/ calendar and schedule in 3 mo. for \$1.00 and 1 IRC. (Clar-NY). 9022 same f/d cd. in 9 wks. (Loudell-DE). same in 3 mo. w/ magazine. (Martin-CA). 9720 cd. in 85 ds. w/ tourist info. (Schwartz-NY).

IRELAND: Radio Dublin 6911 f/d "Map" cd. in 102 ds. for \$1.00. (Comeau-MA).

ITALY: Italian Radio Relay Service 9815 f/d "La Scala" cd. in 142 ds. for ms. It took 3 mo. for my rpt. to reach Milan. (Flynn-OR). RAI 9575 n/d cd. in 163 ds. (Christensen-ALB). Voice of Europe 13666 p/d "Logo" cd. in 30 ds. for \$1.00. (Yamada-JPN). p/d cd. w/ sticker in 3 wks. for 1 IRC. and \$1.00. (Clar-NY). (Schwartz-NY)

JAPAN: Radio Japan 6120 via Sackville f/d "Iris Garden in Kakegawa" cd. in 47 ds.

KIRIBATI: Radio Kiribati 14917.7 f/d "Village" cd. in 28 ds. (Leite-MA). f/d "Toddy Cutting" cd. in 1 mo. (Grace-MA).

KOREA, REPUBLIC OF: Radio Korea 9750 f/d cd. in 3 1/2 mo. for 2 IRCs. (Hoersten-OH).

KUWAIT: Radio Kuwait 15505 f/d folder cd. in 126 ds. w/ sked. v/s Ali N. Jaffar, Chief of the Frequency Management Section. (Schwartz-NY).

LEBANON: Wing of Hope 11530 f/d "Map" cd. in 20 ds. (Helm-RS). same in 64 ds. w/ schedule for 2 IRCs. v/s Pete Reilly. (D'Angelo-PA).



In the spirit of WDXFY 73
A Special Edition of the



**CLUB ONDES COURTES DE
RADIO-CANADA
SHORT WAVE CLUB**

Q
S
L

Dedicated to the

World DX

handicapped aid campaign

via Hoersten

NOV. 2/3, 1974



QSL

Certificado de Sintonia

Emissão: Rádio Difusora de Aquidauana Ltda.

Para: Sr. Richard A. D'Angelo

Agradecemos o seu relato de recepção. Confirmamos a exatidão dos seus detalhes de nossa emissão de 05/04/1992 entre as 20:07 e 21:00 horas na frequência de 4.295 GHz com 1.000 watts

5.000 MHz 1.340 kHz
5.000 MHz 1.340 kHz



RADIO DIFUSORA DE AQUIDAUANA LTDA

Imagem e Selo

NOTES: Mark Hoersten checks in this month with the news that he is having a tough time QSLing Greece and Abu Dhabi. He has sent 3 reports to each station. Very unusual! Don't know the answer but keep trying...Sam. Ron Howard has just returned from a trip that took him to Wuxi, Suzhou, Shanghai and Hangzhou in the PRC. No time for DXing but the trip was quite enjoyable. Very pleased with my BBS Thimpu QSL via the UN. I would be too!...Sam. Kevin Murray says he is hot on the trail of Chinese regional stations. He hopes

to have QSLs by next Column. Richard Hankison says his mailbox took a three month vacation from QSLing. However, he was pleased with the Niger QSL which just arrived. Paul Buer also corrected the location of Arkangelsk. Et tu Buer? I'm never going to live this down. Good thing I'm good natured and have a sense of humor. Hi!...Sam.

LIBERIA: ELBC 7275 long ltr. from Noah A. Bordolo, Sr., Dep. Director General of Broadcasting, ELBC, P.O. Box 594, Monrovia. f/d green cd. w/ sticker. Original rpt. was sent to Radio Nigeria which they forwarded. Total time was 8 mo. (Berg-MA)..Verie nice

LITHUANIA: Radio Vilnius 17690 f/d "Land of Amber National Symbols" cd. in 2 mo. (Loudell)
LUXEMBOURG: Radio Luxembourg 15350 f/d "Antenna Tower" cd. in 13 ds. after a f/up rpt. (Helm-KS). f/d cd. in 6 wks. (Field-MI).

MALTA: Deutsche Welle 15205 via Cyclops n/d cd. in 19 ds. (Schwartz-NY).

MONACO: Trans World Radio 9480 via Mount Agel f/d cd. w/ site indicated and schedule in 5 wks. for 1 IRC. v/s Jeanne Olson. (Romeo-NY). f/d cd. w/ station pennant and information in 39 ds. (Helm-KS).

MOROCCO: RTVM 15335 p/d cd. in 2 mo. for a taped rpt. and ms. (Forth). f/d cd. in 5 mo. v/s Moh. Jamal Eddine. (Foster-OH).

NEWFOUNDLAND: CRKN 6160 (CBNA Relay) f/d "CBC" folder cd. in 19 ds. for \$1.00 (returned) v/s Shawn Williams, Regional Engineer. (Clar-NY).

NEW GUINEA: Radio Morobe 3220 nice personal ltr. w/ station info. in 23 ds. for ms. v/s Ken L. Troup, Assistant Manager. (Murray). Radio Madang 3260 f/d ltr. in 36 ds. for \$1.00. v/s James S. Vlakui, Assistant Station Manager. (Yamada-JPN). Radio Sandaun 3205 p/d ltr. in 11 wks. for a taped rpt. w/ ms. v/s Gabriel Deckwalen, Station Manager. (Klinck).

NEW IRELAND: Radio New Ireland 3905 p/d personal ltr. in 30 ds. for SASE. v/s Otto A. Malata, Station Manager. (Murray). f/d ltr. in 22 ds. for \$1.00. (Smith-OH).

NEW ZEALAND: Radio New Zealand

International 17770 p/d cd. w/ schedule in 26 ds. for 3 IRCS. (Flynn-OR). p/d "Mt. Cook" cd. w/ schedule in 29 ds. for 3 IRCS. (Millard-TX)

NICARAGUA: Radio Miskit 4560

* 3 page ltr. from Evaristo Mercado Perez, Director in 6 mo. via registered mail for a taped rpt. Call is YNPMK. The above v/s is the same person who signed my clandestine reception. (Berg-MA).



إذاعة الأمم المتحدة
联合国广播
UNITED NATIONS RADIO
LA RADIO DES NATIONS UNIES
РАДИО ОБЪЕДИНЕННЫХ НАЦИЙ
LA RADIO DE LAS NACIONES UNIDAS

RADIO

Thanks Ron Howard for the report
1430-1445 UTC
on a United Nations broadcast at
5025 kHz - 5 March 1992
on
the details of which are correct.



via BBS, Thimphu, Bhutan

RADIO AND VISUAL SERVICES DIVISION DEPARTMENT OF PUBLIC INFORMATION

广播收听证

via K. Murray

亲爱的朋友,

兹证明您 4 月 13 日的收听报告, 频率 4975 千赫, 符合本台节目。欢迎继续告诉我们收听情况。

中国福建人民广播电台

1992 年 5 月 15 日

VIC #200: (Valko-PA). f/d cd. w/ ltr. in 6 wks. for ms.(Howard-CA).

PERU: Radio La Voz de la Selva 4825 f/d "Transformation of a Witch into a Boa" painting cd. in 46 ds. w/ personal note. v/s Julia Jauregui Rengifo, Directora.(MachHarg). f/d "Fiesta Despues de la Cruz" cd. w/ personal ltr. in 48 ds. for a SP rpt.(Durden-GA).

NOTES: Tom Millard says that he hopes his renewal gets straightened out. He doesn't want to miss a single issue of the QSL Column. Hi! Marina Pappas from SD says that being a member of NASWA and receiving the Journal each month has increased the enjoyment factor. Thanks for the envelope stuffers and hope your QSLs arrive very shortly...Sam. Barry Schwartz says that he would like to comment on the remarks made by Mr. Dellit in Australia in last moths Column. Barry also received a letter from the Deutsche Welle in which they said that, due to staff cut-backs, they will no longer issue f/d QSLs....Who will be next?...Sam. Nick Grace checks in from Taxachusetts with QSLs this month. He also commented, as others did, on some idiot editor who cut off half of his typing finger. Not sure who that was but someone better check between his ears. Hi!...Sam. Thank you for your concern.

PERU: Radio Horizonte 4331.1 n/d ltr. w/ "Pisac Ruins" postcard in 6 wks. for a SP rpt. * and \$1.00. v/s Juan Vargas Rojas.(Valko-PA). 4510 p/d personal ltr. w/ "Ticlio Mtn." postcard in 82 ds. for a SP rpt. and ms. This after 1 f/up rpt. Addr: Jr. Proceres

745, Urbanizacion Latina Jose L. Ortiz, Chiclayo.(Durden-GA). ltr. in 2 mo. for a SP rpt. w/ SASE (used).

PHILIPPINES: PIS 21580 f/d cd. in 3 wks. (Lobdell-MA).

for \$1.00. v/s Evelyn S. Agato. She says the stations utilizes the VOA transmitters at Tinang.(Valko-PA). Radio Pilipinas 21580 f/d "Logo" cd. in 50 ds. for \$1.00.(Flynn-OR).

PORTUGAL: VOA 9760 via Gloria f/d "Crosley Transmitter" cd. in 7 ds. after 4 tries!!! (Schwartz-NY).

ROMANIA: Radio Romania International 11940 f/d "Costume of County Sibiu" cd. w/ schedule and stickers in 83 ds. for 1 IRC.(Romeo-NY). 11830 f/d "Costume of County Hunedoara" cd. w/ nice personal ltr. and stickers in 105 ds.(Martin-CA).

RUSSIA (CIS): Adventist World Radio 15125 via Samara f/d * cd. w/ site. Card was marked "First Day of AWR Broadcasting from this Station." Addr: AWR-Russia, Box 170,

* Tula-Centre, RUSSIA 300000.(Berg-MA). Radio Pamyat 12060 form ltr. in RS w/ f/d and schedule in 3 mo. for a taped rpt. Also rcvd. postcard w/ f/d and signed by Yuri Mirolyukov. Addr: National Patriotic Front "Memory," Dimitrij Vasiliev, President, Valovaj Street 32 Flat 4, Moscow, Russia 113054.(Berg-MA). (Schwartz).

RWANDA: Deutsche Welle 15270 via Kigali n/d cd. in 31 ds.

SABAH: Radio Television Malaysia - Kota Kinabalu 4970 p/d cd. in 30 ds. for ms. v/s Hasbullah Latiff.(Murray) SALPAN: KFBS 11650 f/d cd. w/ ltr. and schedule in 4½ mo. for a taped rpt. and 2 IRCs.(Clar-NY). f/d cd. in 1 mo for ms.(Forth). 11580 f/d cd. in 30 ds. for 2 IRCs. (Franzen).

NIGER: La Voix du Sahel 5020 p/d cd. in 470 ds. for a FR rpt. and 3 IRCs. This was after 3 f/up rpt. (Hankison-KS).

NORWAY: Radio Norway International 11930 f/d "Bottles" cd. in 30 ds. (Fahrer-NY). 17730 f/d cd. was rcvd. in 1 mo. w/o site. I sent it back for site and they returned with an "F" on it. Could mean Fredrikstad or something else.Hi! (Forth)

OMAN: HBC 15310 f/d personal note in 1 mo. v/s D. Bones, Senior Transmitter Engineer,(Foster-OH).

PALAU: KIEN 9830 f/d "World Map" cd. * w/ form ltr. in 1 mo. for SASE to CA addr. v/s Patrick C. Kowalick.





RADIO Satellite E.U.C.

JR. CUTENVO No. 570
PROV. SANTA CRUZ
CAJAMARCA - PERU

O.C. 45 MTS.

CERTIFICADO DE SINTONIA

La Empresa Unipersonal de Comunicaciones,
RADIO SATELITE Certifica que:

NICOLAS GRACE
ha captado nuestra señal de transmisión en:
ESTADOS UNIDOS
Santa Cruz, 16 de SETIEMBRE de 1991.



SAIPAN: KHBI 11580 f/d "Antenna" cd. in 17 ds. for \$1.00.(Gold-MI).
SOLOMON ISLANDS: Solomon Islands Broadcasting Corporation 9545 f/d cd. in 94 ds. for 1 IRC. (Martin-CA). f/d cd. in 1 yr. for 4 IRCs.(Boulden-CA). f/d cd. in 4 mo. for 3 IRCs.(Franzen).

SPACE (Like what is between my ears)
Space Shuttle Discovery 14295 USB retransmission via **WAZNAN** Goddard Space Flight Center Amateur Radio Club. f/d prepared cd. from the Canada Space Agency, v/s Canadian Astronaut Roberta Bondar in 132 ds. for her communications over

Canada! (Carleton-ONT)...Thought I'd put this in.

- SPAIN: Radio Beijing** 9690 f/d "Horse" cd. w/ schedule in 23 ds.(Schwartz-NY).
- SRI LANKA: Deutsche Welle** 17820 f/d cd. w/ sticker in 92 ds.(Millard-TX).
- SUMATRA: RRI Bengkulu** 3265 f/d ltr. w/ f/d prepared cd. and 2 decals in 6 mo. for a reception while in Okinawa. v/s Drs. H. Hamdan Syahbeni.(Hardester-NC). f/d personal ltr. in 91 ds. for an IN rpt. and \$1.00.(D'Angelo-PA).
- SURINAM: Radio Apintie** 5005.7 f/d form ltr. w/ studio photos and station pennant in 6 wks. for a taped rpt. and \$1.00. v/s C.E. Vervuurt. 350 watts normally but the station is now down to using only 50 watts! (Valko-PA). OH).
- SWAZILAND: Trans World Radio** 3240 f/d folder cd. in 1 mo. v/s Carol J. Tatlow.(Foster-SWITZERLAND: **Swiss Radio International** 9650 via **Sottens** f/d cd. w/ site in 2 mo. for 1 IRC.(Forth). f/d "Radio Towers" cd. in 23 ds.(Fahrer-NY). 6135 f/d cd. in 1 mo. (Loudell-DE). **Red Cross Broadcasting Service** 9560 f/d cd. in 16 ds. w/ schedule for 2 IRCs.(Helm-KS).
- SYRIA: Radio Damascus/Syrian Broadcasting and Television Service** 12085 f/d cd. via registered mail w/ paper flag and sticker in 4 mo. for a taped rpt. and 3 IRCs. (Franzen). f/d cd. w/ stickers and flag in 92 ds. for 1 IRC. (Orenstein). f/d "Globe" cd. w/ a copy of the "Syrian Times" in 111 ds.(Durden-CA). same in 115 ds. for 1 IRC. (Romeo-NY). 15095 same in 89 ds.(Schwartz-NY). same via registered mail w/ flag in 120 ds.(Radtko-WA).
- TAIWAN: Voice of Asia** 7445 f/d cd. in 47 ds. w/ sticker and schedule.(Leite-MA).
- TANGIER: VOA** 15205 f/d cd. in 1 wk. (Field-MI).
- TURKEY: Voice of Turkey** 11895 f/d cd. in 1 mo. for 2 IRCs.(Hoersten-OH).
- UKRAINE: Radio Moscow** 17670 via **Simferopol** f/d "Pushkin Monument" cd. in 65 ds. w/ sticker and schedule. Also rcvd. promo for ads. v/s Olga Troshina.(Flynn-OR).
- USA: WGSN** 9850 f/d "DIY" cd. in 1 mo.(Walker-MI). **KITN** 15590 f/d "Antenna" cd. w/ sticker in 8 ds.(Helm-KS). **WJCR** 7490 f/d cd. w/ sticker and a personal ltr. in 16 ds.(MacHarg). f/d "Globe w/ Cross" cd. and sticker in 58 ds. for ms. v/s Gerri Powell.(Buer-FL). f/d cd. in 1 mo. for ms.(Forth). f/d cd. w/ personal ltr. and decal in 12 ds. for \$1.00.(Clar-NY). **WMLK** 9465 f/d ltr. w/ station info. in 118 ds.(Schwartz-NY). **WYFR** 15355 f/d cd. in 11 ds.(Fahrer-NY). **VOA Delano** 15120 f/d "Crosley Transmitter" cd. in 7 ds. after 5 rpts!!! (Schwartz-NY). 5745 via **Bethany** f/d personal ltr. in 7 ds. for a rpt. on a test transmission. v/s John Vodenik. Addr: VOA, Bethany Relay Station, P. O. Box 227, Mason, OH 45040.(Lamb). 9525 f/d cd. in 15 ds.(Yamada-JPN). **WRNO** 15420 f/d "Old Time Radio" cd. in 21 ds.(Fahrer-NY).

NORTHERN IRELAND RELAY SERVICE

CONFIRMATION OF RECEPTION

NIRS

DATE 17 MARCH 1991

Mr Richard D'Angelo

TIME 03:45-04:48 UTC

2216 BURKEZ DRIVE,

FREQ 6273 KHz

WYOMISSING,

ANOT CRAIG ENGINEER

PA 19610

U-5-A



DO. ANTRIM forms the north east corner of Ireland and a channel only 12 miles wide separates it from the Scottish coast. Lough Neagh and the lakes north of Banagh occupy the western portion of the county and Belfast, the capital of Northern Ireland, is built where the River Lagan winds Belfast Lough near the southern end of the county. A magnificent coast line runs from Larne and embraces a cluster of fine harbours.

Send a label to 26, 34 14

Contributors' Page

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



LOGGINGS CONTRIBUTORS - AUGUST 1992 - DEADLINE 10th of MONTH

The following members contributed loggings:

| | |
|---------------------------------------|---|
| Brian ALEXANDER, Mechanicsburg, PA | NRD525 various Longwires |
| Guy ATKINS, Bonner Lake, WA | R8, R390A T2FD Mini Beverage Farley Loop |
| Jerry BERG, Lexington, MA | R8 HQ180A R390A 150' Longwire |
| Brian BOULDEN, Fairfield, CA | RK641 MFJ956 Indoor LW |
| Jim CLAR, Rochester, NY | R8 FRG8800 ATS803A Eavesdropper 110' LW |
| David CLARK, DXpeditions, (see below) | |
| Mary Jane COLE, Jasper, TX | Sony 2010 20' Random |
| Ross COMEAU, Andover, MA | DX440 MFJ Tuner 30' LW |
| Patrick CRUMHORN, Austin, TX | NRD525 Random Wire |
| Richard D'ANGELO, Wyomissing, PA | R70 AD Sloper |
| Adie DURDEN, Albany, GA | NRD515 SE3 Inverted V |
| Marlin FIELD, Hillsdale, MI | NRD535D SPR4 Eavesdropper |
| William FLYNN, Cave Junction, OR | R2000 Sony 2010 R7A TUN3 140' LW 360' Random |
| James GALGANO, Seneca Falls, NY | Grundig Satellite |
| Richard HANKISON, Prairie Falls, KS | R5000 AD Sloper |
| Mark HUMENYK, Weston, ONTARIO | D2935 AD Sloper AN60 Hot Wire |
| Hans JOHNSON, Columbia, MD | R8 AD Sloper 50' LW |
| Rufus JORDAN, Pittsburgh, PA | DX302 Transoceanic 33' LW |
| Marie LAMB, Brewerton, NY | R600 MFJ16010 20m/90m LW |
| Harold LEVISON, Philadelphia, PA | R8 R70 D2999 |
| E. NEWBURY, Gordon, NE | R8 R5000 66' Dipole 45' Segmented |
| Tony ORR, Reston, VA | Sony 2010 MFJ16010 75' LW |
| Dale PARK, Honolulu, HI | R5000 ATS803A Rod Antenna |
| Carl O. RADTKE, Vancouver, WA | NRD535D |
| Doug ROBERTSON, Oxnard, CA | DX302 FRG8800 FRA7700 Longwire |
| Robert TUCKER, Savannah, GA | ATS803A |
| Mike WESTDAL, Sacramento, CA | R8 AN1 Sony 2010 Eavesdropper |
| Juichi YAMADA, Nara, JAPAN | NRD525 50m Dipole |

David Clark's loggings were on a DXpedition to San Juan Islands, WA and Vancouver Island, British Columbia.

Keeping up with the changes in Europe is getting to be quite a task. I wonder how many other countries we had to memorize for geography class will be changing? I guess it would be too much to ask that while they are changing they use names that are easy to pronounce?

Enjoyable listening & good DX -

FOR SALE: Kenwood R-2000 in mint condition with box and instruction manual. Best offer. Anthony Giszack, 7-08 Essex Place, Fairlawn, NJ 07410. Phone (201) 796-5312.

Tropical Band Loggings

2000-5900 kHz

Sheryl Paszkiewicz
1015 Green Street
Manitowoc, WI 54220



- 2410 NEW GUINEA R Enga 6/25, 1030 "good night" & "welcome to the pgm" Educational anmts, ment Karai svc, NBC nx at 1100 (Clark-BC) 5/31, 1115 PD tlk, Melanesian mx, peaking S9 by 1130 recheck (Atkins-WA)
- 2582 NUSA TENGGARA RPDT2 Timor Tengah Selatan, Soe is apparently inactive. Never hrd carrier 6/18-27 (Clark-WA)
- 2694.9† NUSA TENGGARA RPKD Ende, 6/26, 1144 pops & YL anncr weak level (Clark-WA)
- 2781.7 INDONESIA, unid 6/23 1042 mx & drifting. 6/26 1129 much better w/Qur'an, fair peaks but dropped amid auroral flutter (Clark-WA)
- 2864.2 INDONESIA unid, probably amatir, modest carrier 6/23 1045. Darling rpts unid amatir regularly here (Clark-WA)
- 2904.8 NUSA TENGGARA, RPDT2 Ngada, Bajawa 6/18 1112 lagu pops. 6/26 1105 nx ment Bajawa, pops, Jak nx (Clark-WA)
- 2960.2 NUSA TENGGARA RPDT2 Manggarai, 6/19, 1110-1202 down from nominal 2962. Fair w/non-stop CEW, ballads, primitive mx. 1200 ID, SCI, Jak nx (Atkins-WA) 6/19 mx bridges, ment Kalimantan, pgm name, pops, piano interlude, ID, SCI, Jak nx. Also weaker on 6/22, 6/26 (Clark-WA)
- 3142.9p SUMATRA RPKDT2 Belitung, Tanjung Pandang 6/26, 1206 tlk, seemed //2904.8 w/Jak nx. Weak audio (Clark-WA)
- 3214.9 SULAWESI RRI Manado, 6/19, 1335 nice sig, still going strong 1 1/2 hours past lcl SR (Atkins-WA)
- 3215 SOUTH AFRICA R Oranje, 5/19, 0345 light mx hosted by H in EG/AK (Hankison-KS)
- 3222.9 SUNDAS RRI Mataram noted sev mornings as 6/26 at 1200 w/strong carrier but almost zero modulation! (Clark-WA)
- 3245 PAPUA R Gulf reactivated, 6/26, 1222 wx rpt, muddy mod. Other PNGs ending late w/election results (Clark-WA) 6/28, 1515-1602 EG rpts of election returns, 1529 non-stop mx, some tlks, SIO=433 (Yamada-JAPAN)
- 3249.8p BORNEO RRI Banjarmasin 6/26 1215 ending, Jak nx & anthem Weak mixing w/Korean on high side + ute (Clark-WA)
- 3266.4 SULAWESI RRI Gorontalo 6/14, 1053-1120 lcl pops, 1059 full ID, IS, TP, Nusantara IV nx relay, IDs, tlk abt Gorontalo SIO=443 (Yamada-JAPAN) 6/23 powerhouse sig at 1059 lcl ID, IS, TP, regional nx (Clark-WA)
- 3290 ECUADOR, R. Centro 6/29, 0816 IDs, folk mx, station promo w/train whistle (Lamb-NY)
- 3306 TIMUR RRI Dili 6/26, 1228 mx, YL ID & OM echo anmt (Clark-WA)
- 3330t PERU Ondas del Huallaga 7/5 0434 constant tlk, poss ID 0440, much QRM from CHU (Orr-VA) Rich McVicar says this is a pest blocking CHU where he lives, wanna trade, Rich?--sp.
- 3324.9 BORNEO RRI Palangkaraya 6/18 1315 Qur'an & OM rel tlk/mx fair w/some ute QRM (Clark-WA)
- 3376.8 ANGOLA RN 6/23 all nite mx pgm, 0458 sound effects/drum IS 0500 anmts, ID, into nx (Orr-VA)
- 3580.5 SUMATRA RPDT2 Asahan, Kisaran 6/20 1235 tlk, good sig. 6/25 1250 pops, EZL, Jak nx (Clark-WA & BC) tent 6/17, 1336 & 6/18 1242 soft romantic vcls, poss cmtry on Qur'an, IN tlk weak w/some mx (Flynn-OR)
- 3654.3 SULAWESI RPDT2 Buol Tolitoli 6/19 1053 Muslim style vcl, poss lcl nx, back to mx. 6/23 1201 tlks/vcls, weak (Clark-WA)
- 3654.9t SULAWESI RPDT2 Buol Tolitoli IN tlk 7/8, 1225 slow Indo pops ment Sulawesi, 1240 fade out (Atkins-WA) 6/17 1319-1334 & 6/18 1210-1241 on 3654.2 Indo pops, deep fades, unfamiliar IS, partial ID, woodwinds, peaked S8 (Flynn-OR)
- 3880 CLAND R Free Bougainville 6/18 0815 vcls, PD tlk, Bee Gees, ID, TC, nx 1005, cmtry. 6/19 0759 native singing, super sig

- C&W, pops, EG nx 1000, full ID (Clark-WA) 6/19, 0820-1010 TC, ID "Rep. of Bougainville...R. Free Bougainville" dedications, Listener's Choice pgm. Anncr ment something like "formerly Papua New Guinea." (Atkins-WA)
- 3915 SINGAPORE BBC Relay 6/9 1629 EG Negamix pgm (Park-HI)
- 3934.6 JAVA RRI Semarang 6/22 1159 SCI, Jak jingle & nx to 1218 anthem, low audio, freq varies (Clark-WA)
- 3935 NEW ZEALAND ZLXA 6/18 weak at 0710 w/tlks. 6/19 unreadable opening at 0559, very weak altho several SPac NWS coming in (Clark-WA)
- *3945 BALI, RRI Denpasar 6/23 1303 w/Jak nx, anthem. 6/25 1310 Jak nx, lcl ID, pop vcl, weak/waribly w/pitiful modulation (Clark-WA & BC)
- 3945 VANUATU RV 6/18 0654 lcl messages, TC, PSAs //7260, drums 0659, carrier cut on 7260 0700, MW unhrd (Clark-WA)
- 3959.8 SULAWESI RRI Palu 6/23 1128 EG pops, dialog, station theme on electronic organ, 1150 voice overs, SCI (Clark-WA)
- 3970 JAPAN NHK1 6/23 good at 1251 EZL, YL anncr //3607.5 and 6005, 75m channel never hrd in ON (Clark-WA)
- 3975.1 JAVA RRI Surabaya 6/7 1305-1514 Jak nx, long exotic mx pgm 1451 lcl ID, mx pgm, 1459 ID, IS, Jak nx (Yamada-JALAH) 6/18 1055 Indo pops, EZL piano, 4+1 TP, ID, theme. 6/22, 1030 lagu & EG pops, great sig (Clark-WA)
- 3985 GLAND, R Echo of Hope 6/9 1620 KR w/Laura Branigan's "Gloria," tlks, mx by Survivor (Park-HI)
- 3987.2 IRIAN JAYA RRI Hanokwari 6/22 1020 pop vcls, good sig. 6/25, *1012 very good (Clark-WA & BC) 5/29 1335-1410 good sig Lagu Melayu mx; ment "lagu lagu baru-boot" (whazzat??) 1356 full ID, SCI, Jak relay (Atkins-WA)
- 4000.2 SULAWESI RRI Kendari 6/26 1100 TP ID, lcl nx, very strong (Clark-WA)
- 4419p PERU R. Frecuencia Lider, 7/3, 0250 OA mx, anmts, ment Bambamarca, couldn't get ID thru QRN & QR1 (Durden-GA)
- 4509.3 PERU R. Horizonte, Chichlayo, 7/9, 0850-0932 huaynos, TCs anmts, sev good IDs (Orr-VA)
- 4649 BOLIVIA R Santa Ana, 5/25, 0110 lcl string mx, ID & slogan "Santa Ana la Radio." (Johnson-MD)
- 4679 ECUADOR RN Espejo 6/24, 0216 radio drama, freq IDs, jingles, M anncr, fair (Orr-VA) 6/7 0235-0300* anmts, ads, jingles, radio drama, IDs "R-N-E, R. Nacional Espejo" (Alexander-PA)
- 4697.3 JAVA RKIP Surabaya 6/23 1206 Jak nx, 6/26 1243 fair-good w/ YL tlk, Muslim style mx (Clark-WA)
- 4719.2 SULAWESI RRI Ujung Pandang 6/23, 2102 Jak nx, 2110 lcl ID 2115 tlk, lcl mx, fade out 2137 (Yamada-JAPAN)
- 4750 IRAQ Rep Iraq Broadcasting, 6/3, 0205 Qur'an, ID, "Itha'at Al-Jumhuriya Al-Iraq." Bubble jammer USB (Johnson-MD)
- 4755 BRAZIL, unid, 5/31, 0041 mx incl "Imagine," good (Field-MI)
- 4755 BRAZIL, R Educacao Rural, 6/25 0042 campesino mx, ID, strong sig (Orr-VA)
- 4760.9 VENEZUELA, R. Frontera, 7/14 0137 SP pops, merengues, 0138 full ID, TC, poor (Orr-VA)
- 4765 BRAZIL, R Integracao, 6/5 0218 canned ID w/Star Wars theme EZL (Johnson-MD) 6/11 0955 ID, listeners' ltrs, wake up pgm "O Despertador Integracao" (Durden-GA)
- 4765 CONGO R Congo, 6/23, 0401 light mx, afro pops, ID, welcome listener response (Orr-VA)
- 4775 BRAZIL Portal da Amazonia, 7/15 0205 pops & ballads, PT version of "Tie a Yellow Ribbon", full shouted ID (Orr-VA)
- 4789.7 IRIAN JAYA RRI Fak Fak 6/2 1232-1305 gamelan mx, quick ID 1258, SCI, Jak nx (Atkins-WA)
- 4800y GUATEMALA, R. Buenas Nuevas, 7/8, 0330 hrd under La N-103, ID, closing anmt, addr, NA to 0333* (Lamb-NY)
- 4800 LESOTHO RL 6/7 0255 pops, anthem, s/on anmts in Sesotho. (Johnson-MD) 7/5 0459 great sig, EG ads, anmts, nx after ID, mx (Orr-VA)
- 4800.9 PERU R Onda Azul 6/22, 0124 campo mx, excited M anncr, ID 0130 (Johnson-MD)

- 4805 BRAZIL Rdf. Amazonas 7/1, 0010 futbol, IDs, ads, jingles, sound effects (Jordan-PA)
- 4805 PERU R Villarica 7/3, 0230-0245* OA mx, 2 IDs, msgs, s/off anmts, addr, NA (Durden-GA)
- 4805.4 SUNDAS RRI Kupang 6/18, 1323 still audible at weak level w/vcl mx (Clark-WA)
- 4810 PERU R San Martin, 5/30 0104 tlks w/mx bridges, weak at first but became louder (Field-MI) 6/6, 0220 upbeat lcl mx, ID 0241 (Johnson-MD)
- 4815 BRAZIL, Rdf. Londrina 6/8, 0253-0301* t1k by 2m, ID, anmts, no NA, SIO=252 (D'Angelo-PA)
- 4815.5 PIRATE, R Anarchy, 7/12 0500-0600 strong sig, ancd from somewhere in Western NAM. Mx & free record offer from Youth Gone Mad. Blue Ridge Summit addr, ment 30 watts & req rpts (Atkins-WA)
- 4824.5t PERU LV de la Selva, 6/4, 1000 NA, "buenas dias" OA mx, suddenly off 1021 (Field-MI)
- 4826.3p PERU, R. Sicuani, 6/7 0210 campo mx w/anthem but no ID (Johnson-MD) 5/31, 0955 NA, some mx, weak (Field-MI)
- 4830 VENEZUELA R Tachira 6/18, 0335-0355* "Novella de Misterio" drama, ads for Johnson's Baby Shampoo (Lamb-NY)
- 4832 COSTA RICA R Reloj laugh-filled tlks, ID, FC, QTH, nx 0100 (Jordan-PA)
- 4833 COLOMBIA R Buenaventura 6/15, 0215 Latin pops, ID, Tnx Bolland (Johnson-MD)
- 4850 VENEZUELA R Capital 7/8 0238 Bryan Adams, rap, echo t1k ID 0258, Coca-Cola ads (Lamb-NY)
- 4850.6 ECUADOR R Luz y Vida 6/2, 0035 SP t1k, ads, ment Loja, 0059 ID (Johnson-MD) 7/3 0255 t1k, mx, ID, anmts, strong (Durden)
- 4860 INDIA AIR Delhi 6/25 1340 ID after natl nx, fair (Clark-BC)
- 4863.8 MOLUCCAS RRI Ambon 5/22 0945 tlks, no ID so presumed. 6/7, 1308 ID, pops, good sig (Atkins-WA) (1st log by Field-MI)
- 4865t BRAZIL R Verdes Florestas 7/15 0243-0254* rel t1k, soft mx, 0252 recitation by girls' choir, echo anmts, tones (Orr-VA)
- 4866.5p IRIAN JAYA RRI Wamena 6/24 1535-1602* nonstop mx, 1602 suddenly off, poor to fair (Yamada-JAPAN)
- 4870v ECUADOR R Centinela del Sur, 6/26 0328-0335* LA pops, long anmt, ID, addr, freq, NA (Lamb-NY)
- 4875 CHINA Vo Jinling, 5/17 1250 discussion in CH, weak (Hankison)
- 4879 COLOMBIA Ondas Ortegua, 6/23, 1010 IDs, call ltrs & anthem (Johnson-MD)
- 4881.2 IRIAN JAYA R Saura Kasih Agung 6/18 0843 EZL, theme, anmts, oldies, chimes, lcl nx, rel pgm, 1155 closing w/"Oh God Our Help in Ages Past." (Clark-WA) 6/19, 1050-1101 EZL, quick ID, into class mx, fair (Atkins-WA)
- 4890 PERU R Chota 5/28 0150-0303* mx pgm, ID & NA at s/off (Field) 7/3, 0215 campesino mx, sev IDs, good (Durden-GA)
- 4897.3 MONGOLIA R Ulaanbaatar 6/26 1248 vcls, distorted anncr weak but clearly //4995 (Clark-WA)
- 4909.8 CAMBODIA VoPC 6/27, 1110-1150 Cambodian, 1110 nx, 1114 folk mx, t1k, RTTY QRM (Yamada-JAPAN)
- 4910 ZAMBIA ZNBC 6/23 0420 t1k in lang, ment Zambia (Orr-VA) 7/7, 0408 t1k, mx, IS 0426, great ID 0431, nx (Orr-VA)
- 4915 PERU R Cora, 7/6 0452-0500* acoustic mx, s/off anmts, full ID, anthem, fair (Orr-VA)
- 4920 AUSTRALIA ABC Brisbane 5/19, 1140 sports nx (Hankison-KS)
- 4930 DOMINICAN REPUBLIC R Barahona 7/8, 0157-0210* Julio Iglesias sev IDs, sig suddenly quit 0210 (Lamb-NY)
- 4930.6 JAVA OM t1k 6/25, 1345 //4931.7, looking for Saura Kencana but prob spur of Surakarta (Clark-BC)
- 4940 VENEZUELA R Continental 6/15, 0205 Latin pops, ment Olympics promos, ID, FC (Lamb-NY)
- 4945 SOUTH AFRICA R RSA 7/7 0450 PT pgm, IS, s/off 0454, fair (Orr-VA)
- 4955 BRAZIL R Cultura, 7/14 0218 mx, t1k w/echo, 0220 ID, CW QRM intense at times (Orr-VA)
- 4950.1 PERU R Madre de Dios 6/16 0157 vcls, anthem (Johnson)out of ord

- 4961 ECUADOR R Federacion, 7/14, 0034-0100* long tlk, ID 0045, flute mx, NA, good but mucho QRN (Orr-VA)
- 4975 BRAZIL, Super Radio Tupi, 7/14, 0008 rel p_{gm}, mx, 0033 TC IDs, tlk, fair (Orr-VA)
- 4975 BRAZIL R Timbira do Maranhao, 6/29, 0754 rel tlk, instls, Silent Night, Ave Maria, bells (Lamb-NY)
- 4987.2 SULAWESI RRI Gorontalo, 6/7, 1320 Indo romantic ballads, ment Gorontalo, good sig (Atkins-VA) 6/7 1532-1553* nonstop pops, 1550 closing anmt, Love Ambon, fair (Yamada-JAPAN)
- 4990t PERU R Ancash 6/15 0339 nonstop LA pops, poss ID 0341, heavy static (Lamb-NY)
- 5000 AUSTRALIA WNG 7/6, 1007 EG hrd w/WVW & YVVO, talking clock, TF, ID, FC, addr (Lamb-NY)
- 5008.8 PERU R Horizonte 6/21 0059 vcls, theme mx, canned ID, tlk by J&W, anthem, this Horizonte in Chachapoyas (Johnson-MD)
- 5010 ECUADOR Escuelas Radiofonicas Pop, 7/14, 0102 echo anmts, TC, mx, interview, canned echo ID, fair (Orr-VA) 6/2, 0055 tlks, fairly weak (Field-MI)
- 5013y PERU R Eco 6/16, 0157 folk mx, ment Iquitos, ID (Lamb-NY)
- 5020 COLOMBIA Ecos del Atrato, 6/13, 0225-0358* good after Upano s/off 0310. TCs, Caracol promos, LA mx (Alexander-PA) 6/10, 0308-0326 musica romantica, chat, IDs (D'Angelo-PA)
- 5020 ECUADOR LV del Upano 6/13, 0225-0310* //5965 rel p_{gm}, "Rdf Catolica Cultural," real mess mixing w/Atrato (Alexander)
- 5020 NIGER ORTN 7/5 0506 FR w/Qur'an, pop, lcl mx, IDs (Orr-VA)
- 5025 BHUTAN BBS 6/26 1317 nx in progress, good sig, suddenly dropped 1319 (Clark-WA)
- 5030 COSTA RICA TIAWR 6/23, 0050 EG rel, IDs, Voice of Hope, call ltrs, QTH, freq (Orr-VA) 6/3 0050 //9725, exc (Field) 5/31 0158 per Mike Agner tip, ID, addr (Johnson-MD) 7/8, 0255 tlks, echo ID, hymns, ID (Jordan-PA) 6/23 0300 rel p_{gm}, ID, strong (Durden-GA) 6/19 0459 ID, req ltrs, addr, NA (Boulden-CA)
- 5030p TONGA, TBC 6/1 1035 good sig w/nx in Tongan, island pops, 1200 recheck hrd RTM Kuching here (Atkins-WA)
- 5039.3 PERU R Libertad 6/19, 0936 ID, mx (Johnson-MD)
- 5041.2 ANGOLA EP Benguela 7/6 0530 PT nx, ID, mx, poor (Orr-VA)
- 5047 TOGO R Togo 6/3, 2305 FR w/Afr vcls (Field-MI)
- 5050.1 TANZANIA RT 6/21 0316-0345 SH tlk, hilife mx, ID 0321, poss nx 0330 (Alexander-PA) 6/8, 0340-0411 Natl svc p_{gm}, 0400 TF, ID, nx (D'Angelo-PA) 6/1 presumed w/poss ID (Field-MI)
- 5055 SWAZILAND TWR 6/8, *0356-0406 GM music box IS, ID, anmts, GM vcls (D'Angelo-PA)
- 5075 COLOMBIA Caracol, 5/30, 0053 mx, ment Colombia (Field-MI) 6/3, 0235 nx, ID //6150, exc (Crumhorn-TX) 6/7 0558 mx, call ltrs, nx, OM anncr (Boulden-CA)
- 5085 CROATIA Zagreb R, 6/21, 0105-0125 US/Euro pops incl George Michael, Stevie Wonder //6210, 9830 (Alexander-PA)
- 5691.9 BORNEO RPDT2 Berau, Tanjungredeb, 6/22 1038 domestic mx, 1100 lcl ID, poss nx, dialog, 1159 SCI, Jak nx, mx, lcl ID 1228, fair to 1400 (Clark-WA)
- 5700 UNID R Nederland here 5/28, 0030, site not known (Field-MI)

As you can see, DAVE CLARK was on DXpedition on the West Coast. Lots of Indo loggings but for those of you not interested in this region, hope there were enough other loggings of interest. DAVE, MARIE LAMB & RUFUS JORDAN all express mailed their logs to me. I appreciate your effort! TONY ORR did some DXing while on sick leave. Hope you're feeling better these days. Tom Meyer of Radio Nederland's Happy Station anncd he will be leaving RN the end of the year. He will be off the air around mid-September. After his leave, he will travel around the world, making guest appearances on various short-wave stations. The Happy Station program will continue, however, with Pete (or is that Piet) Meyers as host and Rosemary as producer.

International Band Loggings

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



- 5960 SOUTH AFRICA RSA in EG 0403, ID, lcl & intl nx, skeds, pop/rock (Clar NY 6/25)
 597297nf? MYANMAR Myawadi B/C Stn(p) in lang 1326, mx theme(IS?) at 1330* (Clark BCX 6/25)
 5975 ANTIGUA BBC relay in EG 0428, rock mx, pgm on astronomy, ID (Robertson CA 7/4)
 5995 MALI RTVM in FR 2340, hilife, FR pops, tlk, amnts, ID's, p (Clar NY 5/30)
 6000 BRAZIL R Guaiba in PT 0953, nx, ID, "Historia E Canto", g (Durden GA 6/27)
 6005 CANADA CIQX Montreal in EG 2242, MW relay, ID's, promos, ads, mx, f (Clar 6/27)
 6010 BRAZIL R Inconfidencia in PT 0701, promos, pops, ID's, mx (Lamb NY, Clar NY)
 6025 DOMIN REPUBLIC R Amanecer in SP 2314, marches, ID's, fqys, call-ins (Clar 6/11)
 6035 COLOMBIA LV del Guaviare in SP 1014, mx, ads, rooster crows, QRM (Durden 6/27)
 60404 BRAZIL R Clube Paranaense in PT 0945, lcl police nx, ID, f (Durden GA 6/27)
 6050 NIGERIA R Nigeria in EG/vern 2220, lcl mx w/DJ, ID (Humenyk ONT, Orr VA 6/23)
 6055 SPAIN REE in SP 0205, live rpts, "Para America del Sur", //9530 (Flynn OR 6/22)
 6055 JAPAN R Tanpa in JP 1130, ID, theme mx, //9595, 3925 (Crumhorn TX 5/24)
 6060 BRAZIL R Universo in PT 0648, ID, political tlk, //9565, f (Lamb NY 6/29)
 6080 AUSTRALIA RA in Tok Pisin 1037, nx, ID, TC, rock mx, //9710, g (Lamb NY 7/6)
 6080 BRAZIL R Anhanguera in PT 0010, ballads, orch, ID, fqys (Jordan PA, Johnson MD)
 6105 BRAZIL R Cultura in PT 0842, ID's, cows mooing, mx, f (Durden GA 6/10)
 6110 ANTIGUA BBC relay in SP/EG 0339-0415*, vocals, rock, IS, ID (Robertson CA 7/4)
 6115 PERU R Union Lima in SP 0755, guitar duos, ads, ID 0758, exc (Robertson 6/15)
 61299rtn LAOS Lao NR in lang 1155, mx, IS, fanfare, ID 1400, NA, nx, g (Clark BExp 6/25)
 61354 FRENCH POLYNESIA RFO Tahiti in FR/TT 0705, isl mx, ID, //11827 (Robertson 6/15)
 6150 COLOMBIA R Caracol in SP 0115, tlks, ID, 0118, hype style, ID, g (Crumhorn TX)
 6155 BOLIVIA R Fides La Paz in SP 0018, vocals, comunicados, ID (Johnson MD 6/16)
 6160 CANADA CKZN St Johns in EG 2349, relay MW, DJ, oldies, nx, sports (Clar NY 5/30)
 6170 BRAZIL R Cultura Sao Paulo in PT 0806, pop mx, ID's (Lamb NY, Durden GA 6/24)
 6180 BRAZIL RN de Amazonia in SP 0023, ID, ad for a bank, exc (Johnson MD 6/11)
 61888v INDONESIA RRI Manokwari in IN 0920, vocals, stn theme, IS 0928, ID, nx 0930, choral version of NA, mx, g w/some fading, //39872 (Clark BExp 6/25)
 6210 ITALY Euro Christ R in IT/EG 0235, mx, nx w/Paul Simon (Humenyk ONT, Galgano N)
 6230 MONACO TWR Monte Carlo in GM? 0342, relig pgm, IS, ID, g (Field MI 6/7)
 6560 NO KOREA R Pyongyang in JP 1027, pop mx, tlk over march mx, ID, f (Lamb NY 7/6)
 656016 IRAQ IRB in lang *0126, clucking chicken IS, NA, Koran, p (Alexander PA 6/21)
 6576 NO KOREA R Pyongyang in KR 1019, ID's, patriotic chorals, tlks, f (Lamb 7/6)
 675468 PERU R La Merced in SP 0145-0217*, SP songs, Andean mx, NA (Alexander PA 6/13)
 69102v EQUATORIAL GUINEA R Africa in SP 2201*, class mx, skeds, fqys, p (Berg MA 7/3)
 7105 CONGO RT Congolaise in FR/EG 0628, tlk on work condx, ID, 0644* (Robertson 6/1)
 7110 ETHIOPIA VOE in Vern 0330, tlks, mx, ID, nx 0400, IS, f-g (Orr VA 6/23-24)
 71515v ANGOLA EP do Lobito in PT 0542, tlk, pops, ID, BBC wipe out 0558 (Orr VA 7/6)
 72035v EQUATORIAL GUINEA R Africa in EG/SP 2252, relig pgm, ID's, nx (Orr 6/22)
 7205 GREECE VOA relay in EG 0224, "New Horizons", ID, exc (Humenyk ONT 5/30)
 7230 SO AFRICA RSA in FR 0508, Afro pops, nx, ID, sports (Lamb NY 6/15, Orr VA 7/6)
 7240 AUSTRALIA RA in Tok Pisin/EG 0828, rock song in lang, ID, nx, f (Lamb NY 6/22)
 7245 ANGOLA RN de Angola in PT 0610, sportscast, ID, mx, amnts, //11955 (Orr VA 7/6)
 7265 GERMANY Sudwestfunk in GM 0153, pop/rock, pips, ID, nx, DJ, f-p (Clar NY 6/13)
 7275 LIBERIA ELBC in EG *0652, NA, amnts, ID, relig prayers/mx, p (Alexander PA 6/1)
 7300 RUSSIA Azerbaijani R in RS/EG 1310, DJ, US pops, pips, ID, g (Robertson CA 7/4)
 9395 GREECE PTH Athens in GK/FR 1929, piano jazz, ID's, nx, into GM 1939 (Lamb 6/20)
 9515 BRAZIL R Novas de Paz Curitiba in PT 2336, relig pgm, mx, ID's (Orr VA 6/22)
 9525 POLAND R Polonia Warsaw in EG 1944, jazz, ID, nx re abortion case, f (Lamb 6/2)
 9530 SPAIN REE in EG 0457, pips, nx, sports, wx, ID, address, f-g (Robertson CA 7/6)
 9560nf? JAPAN RJ Tokyo(p) in EG 0100, contin of eco-summit marathon, g (Newbury NE 6/6)
 9570 SO KOREA RK in KR 1524, tlk, mx, ID, s/off 1545, g (Robertson CA 7/4)
 9580 CZECHOSLOVAKIA RC in EG 0100, IS, ID, nx, cmtry (Tucker GA 6/13)
 961436 INDONESIA RRI Samarinda in IN 0853, muslim-style mx, vocals, several IS's, pi
 nx, ID's in the clear, good repton on 6/27 after several tries (Clark WA Exp)
 9640 VENEZUELA Ecos del Torbes in SP 1045, ads, phone #'s, ID's, nx, TC (Clar NY 6/)
 9645 COSTA RICA TIPC in SP 0433, relig mx & tlks, ID, fqys, f-g (Lamb NY 7/1)
 9655 THAILAND RT in EG 1235, ID as HSK9, R Thailand Ext Service, nx (Westdal CA 7/)

9665 BRAZIL R Marumby in PT 2348, tlks, lite pops, ID 0000, f (Orr VA 6/22)
 9675 SPAIN REE in EG 1950, tkl on SP class mx, ID, sked, IS, FR 2000 (Clar NY 6/5)
 9685 ALGERIA RTV Algerienne in FR 2109, Mideast mx, ID 2117, f-g (Lamb NY 6/25)
 9700 NEW ZEALAND RNZ in EG 1035, fqys, ID, pops, BBC nx (Clar NY 6/9, Tucker GA 7/3)
 97225v COSTA RICA AWR in SP 1325, mailbag, ID, relig pgm, g (Crumhorn TX)
 9735 PARAGUAY RN Asuncion in SP 0111, mx, DJ, anmts, ballads, ID (Humenyk ONT 7/2)
 97428 INDONESIA RRI Sorong in IN 0737, lagu pops, ID, 0750*, f (Clark WA Exp 6/19)
 9755 CANADA RCI in EG 0000, marathon on ecology & eco-summit (Newbury NE 6/6)
 9770 AUSTRALIA RA in IN 1005, ID in EG, nx in IN, IS, ezl mx, g (Lamb NY 6/20)
 9810 CZECHOSLOVAKIA RC in EG 0259, IS, ID, nx, press review, cmntry (Tucker GA 6/17)
 9830nf PALAU V of Hope in EG/CH 1100, ID "Voice of Hope for all of Asia", address, CH &
 EG singing, relig mx (Field MI 5/18, Berg MA 6/6, Johnson MD 5/25)
 98299 CROATIA Croatian R in EG 0702, ID, nx, lite instrum mx, exc (Alexander PA 6/7)
 9870 AUSTRIA RAI in EG 0330, ID, DX show, nx, lang lessons, g (Cole TX 6/8)
 10330 INDIA AIR in lang 1305, exotic vocals, anmts, ID?, f (Jordan PA 7/12)
 11330 CHINA CPBS-1 in CH 1119, childrens' pgm, ID, nx, f w/flutter (Lamb NY 6/23)
 11335 NO KOREA R Pyongyang in EG 1103, nx, ID, denunciation of Japan, f (Lamb NY 6/23)
 11580 ALASKA KNLS Anchor Pt in EG 1351, relig tlk, ID, adress, sked, f-p (Clar NY 6/5)
 11620 VATICAN ST VR in EG 0300, tkl on satellite bcstg vs SW, mx, ID, IS bells, call
 from the Pope for success of Earth Summit (Newbury NE 6/23, Robertson CA 7/4)
 11680 GABON R France relay in FR 0717, country & pop mx, interview, ID (Lamb NY 7/6)
 11680 FRENCH GULANA R Beijing relay in EG 0429, ID's, nx re harvest, vg (Lamb NY 6/24)
 11705 GERMANY Deut Welle in EG 0515, nx, tkl on anti-semitism, ID, f-g (Robertson 7/6)
 11725 SO KOREA RK in SP 1017, ID, tkl re Korea, mx, p (Durden GA 6/24)
 11740 CYPRUS BBC relay in AR 0429, pop mx, "Huna London" ID, ME mx, g (Orr VA 7/6)
 11755 CHINA R Beijing in EG 1028, ID's, features re CH subways & icons, f (Lamb 6/20)
 11760 GEORGIA R Tbilisi in RS/EG 2157*, skeds, fqys, ID, nx, chorals (Orr 6/23, Lamb)
 11780 BRAZIL RN da Amazonia in PT 2042, BR pops, ID's, tkl on BR cities, g (Lamb 6/23)
 11790 UKRAINE RUI in EG 0015, ID's, "Music from Ukraine", chorals (Comeau MA 7/6)
 11815 PORTUGAL R Free Europe in RM 0840, US pops/rock, anmts, f (Durden GA 6/25)
 11820 ALBANIA R Tirana in EG *0329, IS, ID, nx, press review, folk mx, f-g (Lamb 6/10)
 11820 HONGKONG BBC relay in EG 1425, sports nx, ID (Hankison KS 6/6)
 11827 FRENCH POLYNESIA RFO Tahiti in FR/TT 0706, nx in FR, ID, island mx (Lamb 6/14)-
 11836 URUGUAY R El Espectador in SP 0823, relig pgm, ID, fam pgm (Orr 7/6, Durden)
 11855 CHINA R Beijing in EG 1300-1500, ID, tkl on ecology recycling (Radtke WA 6/28)
 11860 ASCENSION IS. BBC relay in EG 0733, nx, ID, "Network Africa", f (Lamb NY 7/6)
 11865 JAPAN RJ Tokyo in EG 1400, nx, pgm on earth summit, fqys, sked, JP pops, tkl on
 cost of living in Russia (Hankison KS 6/6, Clar NY 6/5, Radtke WA 7/2)
 11870 YUGOSLAVIA RY in EG *0030-0100*, IS, ID, tkl on Bosnia/Herzegovina conflict,
 DX feature, "Encounters", interview Yugo classical guitarist, g (Jordan PA 7/12)
 11880 RUSSIA R Galaxy in EG 1948-2029, RS pop mx, ID's, address, promo, "Hit Parade"
 fqys, ad for rocket launch system (Lamb NY 6/19, Clar NY 6/15, Comeau MA 6/12)
 11905 BRAZIL R Universo in PT 0120, echo anmts, organ mx, TC, //9565 (Flynn OR 6/22)
 11920 MOROCCO RTV Marocaine(t) in EG/FR 1940, pops/blues, tkl, anmts, nx, wx (Clar NY)
 11955 SINGAPORE BBC relay in EG 0844, "Anything Goes" pgm, ID, nx, f (Lamb NY 6/22)
 11955 MADAGASCAR R Nederland relay in DT 1408, ID, soccer match coverage (Lamb 6/19)
 12040 UKRAINE RUI in EG 0034, "Hello from Kiev", mailbag, mx, ID (Tucker GA 6/28)
 12040 RUSSIA R Amshinriky relay in EG 0432-0458*, relig tlks, ads, g (Lamb NY 7/4)
 12085 SYRIA SBSC in AR 1345, Mideast mx, ID, NA (Hankison KS 6/6)
 13620 KUWAIT R Kuwait in EG 2011-2059*, Islamic relig pgms, ID, nx, NA (Tucker 6/23)
 13630ssb COSTA RICA RFPI in EG 2350, "UN Report" on refugees & drought (Tucker 6/30)
 13640nf CROATIA Croatian R in EG 0145, US pops, //9830, 6210 (Alexander PA 6/28)
 13650 CANADA RCI in EG 1859, IS, ID, nx, wx, spts, into FR 1915, g (Clar NY 6/26)
 13660usb CUBA RHC in EG 0217-0304, nx, cmntry, ID, Cuban mx, test xmsn w/audio hum, //
 13700, 11970 (Alexander PA 6/28) in EG 0245-0440, "World of Stamps", mx, fqys,
 IS, ID, billboard at top of hr, nx, interview, DX pgm (Jordan PA 7/12)
 13665 RUSSIA R Yerevan via Petropavlovsk in EG/ARM 0254, nx, ID, mx (Flynn OR 6/14)
 13670 CANADA RCI in EG 2200, CBC nx, "Inside Track" sports pgm (Tucker GA 7/4)
 13675 UNITED ARAB EMIRATES R Dubai in EG 1348, instrum mx, brief tlk, ID (Humenyk ONT)
 13753 ISRAEL Rashuth Hashidur in HB 2332, ID's, mx, election results (Clar NY 6/23)
 14275usb SOLOMON IS. International Amateur R Net, R Free Bougainville relay? in EG 0217,
 ID, rpt of massacre in village by Papua New Guinea Defense Force, press release
 from Bougainville interim govt, f-g (Cole TX 6/3)
 15084 IRAN VO Islamic Rep of Iran in Persian 1430, ID, fanfare, nx (Hankison KS)
 15090 VATICAN ST. VR in EG 0155, rx, nx, ID, ID (Lamb NY 6/26) in EG *2245-2303* in
 EG, IS, ID, world nx, Vatican nx, interview, xmsn to Aust/NZ, f (Jordan PA 7/7)

- 15115 NO KOREA R Pyongyang in EG 2359, IS, ID's, pgm notes, nx, p (Clar NY 6/23)
- 15120 SEYCHELLES FEBA in Azeri? 1738, IS, ID, tlks, NE/ME mx, f-p (Clar NY 6/20)
- 15125 RUSSIA AWR Kuybishev in EG *0429, ID, relig pgming, into GM 0500, address, IS, into RMWS nx 0600 (Alexander PA, Lamb NY) in RS 1720, gospel pgm (Humenyk ONT)
- 15135 UKRAINE RUI in EG 2105, nx, ID, features on UKR films (Tucker GA 6/28)
- 15155nf? PORTUGAL Deutschlandfunk via Deut Welle in CZ 1844, cmntry, ID, nx, f (Clar NY) in HG 1928, ID in GM (Johnson MD 6/6) ED: Site presumed by both reporters
- 15160 PHILIPPINES VOA relay in EG 1455, "Concert Hall", ID, vg (Hankison KS)
- 15210 IRAQ RII in AR 1811, Islamic prayers, ME mx, ID 1820 (Lamb 6/19) in EG 1834, nx cmntry, ID's, feature (Clar 6/20) in EG/AR 2148, nx, ID, AR 2159 (Tucker GA 7/4)
- 15215 ALGERIA LV du Sahara Libre relay in SP 2252, pop mx, ID's, IS?, p (Clar 6/15)
- 15250 SO AFRICA RSA in FR 0555-0620, mx, ID, fqys, polit cmntry (Lamb 6/14, Orr 7/6)
- 15260 IRAN VOIRI in EG 1918-1927*, mailbag, ME mx, ID, fqys, sked, address (Clar 6/5)
- 15265 BRAZIL Radiobras in EG *1755-1920*, ID, pop mx, p (Clar 6/22, Alexander 6/6)
- 15285 EGYPT VO Arabs in AR 2207, ID 2210, light mx, f (Orr VA 6/23)
- 15305 UNITED ARAB EMIRATES Abu Dhabi in EG 2319, ID, fqys, sked, f-g, //13605 (Clar)
- 15325 CANADA RCI in EG/FR 1858, special to CAN forces in Yugo, ID, nx (Tucker GA 6/17)
- 15325 FRENCH GUIANA R Japan relay in EG 0259, ID, nx, sports (Lamb NY, Humenyk ONT)
- 15330 BULGARIA R Sofia in EG 1845, "Lifestyle in Bulgaria", ID (Clar NY, Levison PA)
- 15340 IRAQ RII in AR 0235-0359*, ID, nx/cmntry in EG 0240-0251, sked (Alexander 6/21)
- 15350 LUXEMBOURG RL in EG 0145, mx sels w/o interruption, ID, g (Levison PA 6/3)
- 15355 GABON R Japan relay in FR 0635, fqys, ID, nx, magazine pgm, vg (Lamb NY 6/25)
- 15365 FRANCE RFI in EG 1230, ID, nx, press review, feature on FR films (Tucker GA 7/4)
- 15400 FINLAND RF in EG 1330, nx, cmntry, "Northern Report" (Newbury NE, Humenyk ONT)
- 15445 BRAZIL RN da Brasilia in EG *1155-1320*, IS, ID, address & promise to reply to all mail, "Panorama", vg (Alexander PA 6/6, Flynn OR 6/22)
- 15450 TUNISIA R Tunisienne in AR 2318, nx, ID's, chants, ME mx, fqys (Clar NY 6/15)
- 15485 RUSSIA R Aum Shinrikyo in EG 2030, relig pgm, tlk, mx, address "R Aum Shinrikyo 381-1 Hitoana, Fujinomiya, Shizuoka, Japan 418-01" (Berg MA) Site?
- 15550 PAKISTAN RP in EG 1705, world & regional nx, ID, fqys, cmntry, //11570 (Clar NY)
- 15640 ISRAEL Kol Israel in EG 2135, nx, Israeli lottery winner, mx, ID (Tucker GA 6/28)
- 15665 NO MARIANAS KHBI in EG 0828, nx, ID's, features, ads, pgm notes (Clar NY 6/18)
- 17545 ISRAEL V of Israel in FR/HB 0518, tlks, TP, ID, mx, nx, f-g (Robertson CA 7/5)
- 17575 ISRAEL Kol Israel in EG 2130, parliamentary election results (Tucker GA 6/23)
- 17630 GABON Africa #1 in FR 1302, ID, high-life mx (Westdal CA 7/5)
- 17710nf? RUSSIA Euagerion Tess Vasillas in JP *1300-1400*, s/on after abrupt RM s/off, ID in EG, supposedly a Japanese religious group sponsors this str, tlks, orch r Asian-type mantra, positive ID at 1358 closedown (Berg MA 6/21) Address anybody
- 17730 KAZAKHSTAN R Alma Ata in EG 1846, Kazakh mx, ID, IS, into lang 1859 (Clar 6/6)
- 17740 IRAQ RII in AR/EG 0005, ID's, cmntry, nx, mx, into AR 0054 (Clar 6/4, Orr 6/24)
- 17775v LIBYA R Jamahiriya in AR 2310, some excerpts in EG, fqy drift (Flynn OR 6/19)
- 17795 AUSTRALIA RA in EG 0230, jazz/C&W mx, ID, cmntry (Levison PA 6/3, Lamb NY 7/6)
- 17825 JAPAN RJ Tokyo in EG 0514, nx, "Viewpoint", ID, fqys, //17810, g (Robertson 7/4)
- 17870v COLOMBIA RN de Colombia in SP 0234, merengue mx, tlk on mx, ID, g (Lamb NY 6/1)
- 17855 UNITED ARAB EMIRATES Abu Dhabi in EG 2332, nx, ethnic mx, ID (Levison PA 6/3)
- 17890 UNITED ARAB EMIRATES Dubai in AR/EG *0230-0356*, NA, ID, tlks in AR, Koran, or sels, 4+l pips 0315, into EG 0330, nx, g-vg, //13675, 15400 (Jordan PA 6/20)
- 21465 COSTA RICA RFPI in EG 1945, speech, ID's, ad for RFPI t-shirt, mx, f (Clar 6/4)
- 21505 SAUDI ARABIA BSKSA in AR 1555, cmntry, call to prayer, f (Humenyk ONT 7/2)
- 21715 HONGKONG BBC relay in EG 0533, Wimbledon tennis, ID, ID, TP, nx (Robertson 7/4)
- 21740 AUSTRALIA RA in EG 0120, nx, cmntry on a film, mx sels, g (Levison PA 6/2)
- 25780nf? USA WFLA Tampa Bay relay? of MW outlet in EG 1125-1245, monitored from 6/16-6/19, usual MW fare, ads, mx, traffic, features, promos, ID (Jordan PA)
- *****
 Mike Westdal of Sacramento rpts that the unknown sta listed at 7215 in the July issue was ID'd as TWR Swaziland. Thanks, Mike.

CLANDESTINE STATIONS

- 7290nf A Voz do Resist do Galo Negro *0441-0605, s/on w/cock crow, guitar ID sequence NA, relig chorals, tlk, Afr hi-life mx, Big Ben chimes, //9700 (Alexander 6/21)
- 11470v Iran's Flag of Freedom R *0326 in Farsi, multi-lang ID, NA, tlk, //9250, 15565 (D'Angelo PA 6/21, Alexander PA 6/14, Orr VA 7/6)
- 15565 Iran's Flag of Freedom R *0328 in Farsi, IS, ID, polemics , p (Jordan PA 6/20)
- *****

English Schedules

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Prepared 7/23/92 at 6:14 AM.

We were out of town for several weeks in May and June. In May our daughter graduated with honors from Purdue University, Indiana. In June she was married and began graduate school at the University of Delaware in July. Radio- and BBS activities were not a high priority these past months. The June and July NASWA columns and data files went to Eric Johnson early. As a result, information from David Alpert (NY), Mike Fern (CA), Jon Klinedinst (PA) and perhaps other persons was received after the early cutoff dates. Timely replies to faxes, USPO and electronic mail were erratic too. It's been a bit insane around here, but normalcy may return soon.

This month, thanks to David Alpert (NY), Michael Batchelor (WSHB), Tetsuya Kondo (Japan), Jonathan Marks (RN) and Andy Sennitt (WRTH).

Notes

An era is ending. On July 5 Tom Meyer of *Happy Station* announced, after more than 22 years of hosting the show, he will be leaving **Radio Nederland** to pursue other interests of writing, directing and drama. Tom Meyer is only the second host of *Happy Station*, taking over from Eddie Startz on January 4, 1970. (Startz began the multi-lingual show on PCJ's Internal Service in 1928, and it ran until 1940 when PCJ's transmitters were destroyed in the war. The show returned on **Radio Nederland**, after the war, in 1947.) Pete Myers takes over August 16. Myers is no stranger to us, as he's been behind an RN microphone for



more than 12 years. Tom, good luck to you in your future endeavors! Pete, welcome to Sundays.

In late June **Radio Yugoslavia** lost control of its main transmitters in Bosnia-Herzegovina and its normal international service ceased for a week or two. Andy Sennitt reported hearing English to Europe at 1930 and 2100 UT on 7200 kHz via a lower-powered Serbia-based transmitter. From at least July 3 that two of the three NA releases have returned (1130 UT is missing). I was surprised to hear *Radio Ham Corner* at its usual time on July 4. Since the return July 3, only one transmitter (and frequency) from the Bosnia-Herzegovina site — just inside the border from Serbia — has been in use during each release. For all European-targeted broadcasts, both sites are in use.

Also **Radio for Peace Intl.** was heard in USB on 19 and 22 m, despite its announcement last month that all broadcasting would be in the AM mode. With the Russian relay in place, AWR ceased broadcasting from Sines, Portugal, and the excellent DX show prepared by the Danish clubs is gone. **Radio Australia** moved its *Communicator* media show from Sundays to Tuesdays. At least on the east coast of NA, the 21-22 UT release of **Radio Japan** is easy to hear on 11735 kHz via Gabon — and this includes *Media Roundup* at 2130 on Sunday. **Radio Havana Cuba** shifted its eNA frequencies July 20 to avoid interference.

KJES, New Mexico, has been reported on the air from at least June 26, but it is not daily. First reports were on *World of Radio* July 17 and in the FidoNet Shortwave echo, but — based upon loggings to date — the times seems flexible. Glenn Hauser says the schedule is 18-19 (Eng to western Canada) and 20-21 (Spanish to Mexico) on MTWF. Thursday is used for recording shows for the next week. Here in NJ, I've not heard KJES any day I've monitored around 18 UT.

Tired of cutting and pasting the schedules in this column? Want to look up a schedule by country or by frequency? Have an IBM PC compatible computer with a fixed disk and a modem? The English Language SWBC Schedules program retrieves data by country or transmission start time, and loads frequencies into JRC or Kenwood receivers. A subscription to the data files through a telephone BBS keeps you updated, or you can keep up the data files yourself. A catalog is available for an business-size SASE to TRS Consultants, PO Box 2275-NA, Vincentown, NJ 08088-2275, or download the catalog from the Pinelands RBBS at 609-859-1910.

During the last week of June the CIS relays of **Radio Havana Cuba** and the Cuban relays of **Radio Moscow World Service** disappeared. On July 11 BRT's **Radio World** reported that the CIS relays of **Radio Havana Cuba** were taken off in the last week of June when Cuba refused to pay for them. I wonder if Cuba took off the RMWS in retaliation.

With the loss of the Cuban and most, if not all, of the Ukrainian transmitter sites, **Radio Moscow** has become more difficult to listen to. Despite all the 105 frequencies listed

below, I find that when using the Sony SW-55 portable usually there are only one or two possible frequencies to select from in any given hour. The better choices are usually found in the 17 and 19 meter bands during the day and evening hours.



Where is **Radio Moscow** these days? A mid-July bandscan between 10 and 05 UT produced the following:

| | | |
|------------------------------|-----------------------------------|------------------------------|
| 21830: 0330-05 | 17645: 03-04 | 15155: 11-12 |
| 21790: 03-05 | 17635: 0430-05 | 15140: 1030-12 |
| 21785: 10-14, 15-16 | 17605: 03-05 | 15130: 1030-12 |
| 21775: 0330-05, 1030-11 | 17580: 10-11 | 15125: 1230-13 |
| 21690: 22-04, 11-15 | 17570: 02-03, 22-24 | 15110: 1130-15 |
| 21630: 1030-13 | 17565: 17-20 | 13775: 21-04 |
| 21615: 10-11, 14-16 | 17560: 23-05 | 13725: 22-01 |
| 21600: 1030-12, 14-15 | 15595: 11-14 | 13645: 1530-17, 19-21 |
| 21585: 0330-05 | 15580: 14-15 | 12070: 12-13 |
| 21545: 03-04, 10-12 | 15560: 23-03, 19-22 | 12055: 1030-13 |
| 21480: 1030-13 | 15550: 03-05, 11-12, 13-14, 15-16 | 12040: 04-05 |
| 21465: 10-12 | 15535: 03-05, 19-20, 22-24 | 12030: 15-16 |
| 21450: 1030-12 | 15525: 20-24 | 12015: 01-05, 14-15 |
| 17890: 2230-02, 04-05, 10-12 | 15500: 11-13, 14-16, 21-22 | 12010: 10-11 |
| 17875: 1130-12 | 15490: 11-15 | 12005: 22-02 |
| 17870: 03-05, 11-12 | 15485: 21-01 | 11995: 02-04, 13-14 |
| 17865: 11-12 | 15480: 12-13 | 11980: 04-05 |
| 17860: 23-05 | 15470: 21-05, 1130-16 | 11970: 22-01, 02-03 |
| 17850: 23-05 | 15440: 10-14 | 11900: 1530-18 |
| 17830: 11-14 | 15425: 1830-20 | 11870: 13-16, 21-22 |
| 17810: 11-15 | 15420: 11-12 | 11850: 20-21 |
| 17775: 11-12, 13-14 | 15385: 22-04 | 11800: 21-23 |
| 17765: 10-11, 14-16 | 15375: 03-04, 16-22 | 11780: 00-02 |
| 17755: 11-12, 13-14 | 15355: 21-22, 23-24 | 11775: 01-05 |
| 17740: 21-02, 04-05 | 15320: 04-05 | 11710: 22-24 |
| 17735: 03-05, 11-13, 22-24 | 15290: 0030-03 | 11690: 03-05 |
| 17730: 02-05 | 15280: 00-02, 03-05, 11-13 | 11675: 03-05, 1530-16, 20-21 |
| 17720: 23-03 | 15255: 03-04, 1130-12 | 11670: 0330-05 |
| 17710: 21-22 | 15225: 11-15 | 11630: 1830-20 |
| 17695: 16-21 | 15210: 03-05 | 9880: 04-05 |
| 17685: 23-05, 10-11 | 15205: 12-13 | 9865: 04-05 |
| 17675: 0430-05, 10-13 | 15185: 1530-17, 18-20 | 9815: 22-02 |
| 17665: 10-11 | 15175: 20-21 | 9785: 1930-23 |
| 17660: 10-12 | 15170: 21-23 | 9640: 1930-01 |
| 17655: 03-05, 18-20, 21-24 | | 9480: 21-22 |
| | | 9470: 0230-05 |

This survey was done in southern NJ, using an Japan Radio Co. NRD-535D (Skywaves WAS-50 and 2 LWs) and Kenwood TS-490S (dipole). It's a low-noise environment. Your mileage — due to location, receiver(s) and antenna(s) — may vary.

Radio Yerevan's new English transmissions in English at 2145 and 2245 UT are audible here but are subject to interference. The most readable frequency is 9450 at 2145 UT. Despite the usual summer conditions, there are stations to be heard on the lower bands (especially in the late afternoons).

Have you noticed the station graphics in the column? Do you like them? I've been digging through my files and learning to use a page scanner, but my collection isn't all that complete. If you have decals or program schedules that have *clean* graphics on white or light-colored paper, would you share them with us? If you'd like them returned, please tell me and we'll mail them back to you.

Here's what we have to date: AIR, R Beijing, R Damascus, R Havana (and their mascot), HCJB, Norway, R Nederland, R Moscow/USSR (not CIS), R RSA, REE/Spain, and VOA.

English Language Schedules
 By Start Time, Changes Entered Between
 6/25/92 and 7/25/92
 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 | 0200 | Cuba | R Havana | 11950 | | | | | | | | e&cNA | | 7/18/92 |
| 0000 | 0100 | Russia | R Moscow Int'l | 17890 | 17860 | 15485 | 15470 | 13775 | 12005 | 11780 | 9815 | World Service | | 7/16/92 |
| 0100 | 0200 | Russia | R Moscow Int'l | 21690 | 17890 | 17860 | 15560 | 15470 | 15290 | 13775 | 12005 | World Service | | 7/16/92 |
| 0100 | 0400 | Iraq | R Iraq Int'l | 15340 | | | | | | | | NA | News/Eng 0245 | 7/20/92 |
| 0145 | 0200 | Vatican State | Vatican Radio | 15090 | 11935 | | | | | | | As/AusNZ | | 7/12/92 |
| 0200 | 0300 | Cuba | R Havana | 13710 | 13660 | 11950 | | | | | | c&eNA | #2 SSB Sa-Su | 7/18/92 |
| 0200 | 0300 | Russia | R Moscow Int'l | 17860 | 17570 | 15560 | 15470 | 15385 | 15290 | 13775 | 12015 | World Service | | 7/16/92 |
| 0245 | 0300 | Armenia | R Yerevan | 13645 | 11790 | 11675 | | | | | | NA | News/Eng | 7/17/92 |
| 0300 | 0350 | Germany | R Deutsche Welle | 15205 | 13770 | 13610 | 11890 | 11810 | 11795 | 9700 | 6145 | NA | | 7/24/92 |
| 0300 | 0400 | Russia | R Moscow Int'l | 17735 | 17605 | 15470 | 15385 | 15255 | 15210 | 13775 | 12015 | World Service | | 7/16/92 |
| 0300 | 0400 | Cuba | R Havana | 13710 | 13660 | 11950 | | | | | | c&eNA/Caribbean | #1 -0430 #2 USB SaSu | 7/18/92 |
| 0400 | 0500 | Cuba | R Havana | 11950 | 11760 | | | | | | | eNA | | 7/18/92 |
| 0400 | 0500 | Russia | R Moscow Int'l | 17890 | 17870 | 17860 | 15550 | 15535 | 15280 | 15210 | 12040 | World Service | | 7/20/92 |
| 0603 | 0615 | Croatia | Croatian Radio | 13830 | 9830 | 6210 | | | | | | | News/English | 7/11/92 |
| 0800 | 0900 | USA | KNLS | 7365 | | | | | | | | As | | 7/12/92 |
| 0803 | 0815 | Croatia | Croatian Radio | 13830 | 9830 | 6210 | | | | | | | News/English | 7/11/92 |
| 1000 | 1100 | Russia | R Moscow Int'l | 21785 | 17810 | 17685 | 17675 | 15500 | 15490 | 15470 | 15225 | World Service | | 7/20/92 |
| 1020 | 1030 | Vatican State | Vatican Radio | 21670 | 15210 | 11740 | 7250 | 6245 | | | | ME/Eu | M-F | 7/12/92 |
| 1100 | 1200 | Russia | R Moscow Int'l | 17830 | 17810 | 17735 | 17675 | 15500 | 15490 | 15280 | 15225 | World Service | | 7/17/92 |
| 1200 | 1300 | Russia | R Moscow Int'l | 17830 | 17810 | 17735 | 17675 | 15500 | 15490 | 15280 | 15255 | World Service | | 7/17/92 |
| 1203 | 1215 | Croatia | Croatian Radio | 13830 | 9830 | 6210 | | | | | | | News/English | 7/11/92 |
| 1230 | 1325 | Netherlands | R Netherlands | 5955 | | | | | | | | Eu | | 7/11/92 |
| 1300 | 1400 | Russia | R Moscow Int'l | 21785 | 17810 | 15490 | 15225 | 15110 | 11995 | 11870 | | World Service | | 7/17/92 |
| 1400 | 1500 | Russia | R Moscow Int'l | 21615 | 17810 | 17765 | 15580 | 15500 | 15225 | 15110 | 11870 | World Service | | 7/17/92 |
| 1430 | 1530 | Iraq | R Iraq Int'l | 15240 | | | | | | | | sAs | per MN 6/25 | 7/3/92 |
| 1445 | 1645 | Guam | KTWR | 15610 | | | | | | | | s&seAs | Su -1700 | 7/3/92 |
| 1500 | 1600 | Russia | R Moscow Int'l | 21785 | 17765 | 15550 | 15500 | 15470 | 12030 | | | World Service | | 7/17/92 |
| 1530 | 1600 | India | AIR | 10330 | 9950 | 7412 | | | | | | Home Svc | news/features | 7/11/92 |
| 1600 | 1700 | Russia | R Moscow Int'l | 17695 | 15375 | 15185 | 13645 | 11900 | | | | World Service | | 7/17/92 |
| 1600 | 1640 | United Arab Emirates | R Dubai | 21605 | 15320 | 13675 | 11795 | | | | | Eu/nAf | #1 anncd as 15435 | 7/3/92 |
| 1700 | 1800 | Russia | R Moscow Int'l | 17695 | 17565 | 15375 | 11900 | | | | | World Service | | 7/17/92 |
| 1800 | 2000 | N Mariana Is | KHBI | 15665 | 9430 | | | | | | | Eu/ME/Aus/NZ | 325/165 deg | 7/17/92 |

the **CDRV** page

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COSTA RICA RADIO & BROADCASTING STATION
Perry Girton
TI2PG
SAN JOSE APARTADO 225 COSTA RICA

ESTADO NO. 100 WATTS. FREQ. 610 Kc. 47-46-875-960-201 P. P.
 * ESTAL. DE CALADADO. RECEPTOR NO. 4. FICHA MODELO H 143.

Para la Estación **don RAY LA ROCQUE** -
 Su transmisión Radiotelefónica, fue oída aquí:
 QSA _____ R _____ T _____
 Frecuencia _____
 Observaciones _____
 Fecha **ABRIL 5 de 1935.**-
 Salúdale muy atentamente,
Perry Girton

ESTACIONES
LA VOZ DE LA VICTOR
 SAN JOSE, COSTA RICA
 APARTADO 225

TIPG

| | | |
|---|---|---|
| EQUIPO ONDA LARGA 47 - 46 - 875 - 960 - 201 P. P. Modulador Clase "B" 840 Frecuencia 625 Kc. Potencia 1000 Watts | ONDA DE TRAMITACION De 920 a 475 Kc. - 11 K. M. + 1 K. M. - 12 M. 025 K. M. Control Time | EQUIPO ONDA CORTA 17 - 46 - 10 - 800 - 204 P. P. Modulador Clase "B" 840 Frecuencia 6410 Kc. Potencia 1000 Watts |
|---|---|---|

San José, Costa Rica, June 5 de 1935

Señor Eufene S. Allen

Muy señor nuestro:

This is to inform you that your report of reception is correct and to thank you for your letter.

Hoping to hear from you again in the very near future.

Muy atentamente,
Perry Girton

IMPRESO

TIPG
 LA VOZ DE LA VICTOR
 SAN JOSE, COSTA RICA
 APARTADO 225

SAN JOSE FEB 14 1935

| | |
|---|--|
| EQUIPO ONDA LARGA Frecuencia 625 Kc. Potencia 1000 Watts | EQUIPO ONDA CORTA Frecuencia 6410 Kc. Potencia 1000 Watts |
|---|--|

ESTACIONES DE TRANSMISION
 DE 920 a 475 Kc.
 - 11 K. M. + 1 K. M.
 - 12 M. 025 K. M.
 Control Time

San José, Costa Rica, FEBRO 5 de 1935

Señor ALLEN

Muy señor nuestro:

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 RADIO SUGGESTIONS, LOGS AND LOGS SHOULD BE SENT TO THE BUREAU OF COMMUNICATIONS DEPARTMENT OF COMMERCE
 FEDERAL GOVERNMENT PRINTING OFFICE: 1934

Do not miss "The Hour of Costa Rica" every Wednesday and Saturday at 8 p. m.

Muy atentamente,
Perry Girton

Even if you're not an "old timer," this is an early Costa Rican station that you may remember from your own DXing--La Voz de la Victor, which was active into the 60's on 9615 kHz. Here's how it all started. That really grand looking 1935 card in the upper left, though used as a QSL, appears to be a card designed to report reception by station owner Perry Girton. Back then the station was TI2PG. It soon became TIPG, broadcasting on 6410 kHz., as the 1936 card at the top right and the 1938 card at the left show.

North American Shortwave Association
45 Wildflower Road
Levittown, Pennsylvania 19057

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ISSN 0160-1989

The Journal of the
North American Shortwave Association

Executive Director: Bob Brown, KW3F
238 Cricklewood Circle, Lansdale, PA 19446

Publisher: Bill Oliver, 45 Wildflower Road,
Levittown, PA 19057

Executive Council: Jerry Berg, Bob Brown,
Dr. Harold Cones, Gerry Dexter, Glenn Hauser,
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