

SEPTEMBER - 1977

frenDX



NORTH AMERICAN SHORT WAVE ASSOCIATION

POST OFFICE BOX 13

LIBERTY, INDIANA 47353 U.S.A.



WELCOME TO 48 NEW MEMBERS DURING AUGUST

- | | |
|--|--|
| BAUM, Eric A., M.D., Gainesville, FL | MARGRITZ, David, Omaha, NE |
| BOYD, John Robert, Springfield, IL | MILLER, Scott, Lynnfield, MA |
| BRYAN, Josephine, Tracy, CA | MITCHELL, Thomas H., Alexandria, VA |
| CARTER, David W., Shreveport, LA | MOHRMANN, Mark, Syracuse, NY |
| CHRISTIAN Charles A., Decatur, GA | NELSON, James H., Radford, VA / RI |
| CLARK, W.P., Cherry Hill, NJ | NORDSTROM, Rev. Michael, Providence, |
| COMSTOCK, Bryan, N. Mankato, MN | PETERSON, G.M., Madison, WI |
| CRABLE, Vera M., Coeur D'Alene, ID | PIEPER, Gary R., Fraser, MI |
| CUCURA, Vladimir, Jr., Reading, PA | REED, Thomas L., Bryan, OH |
| DANYLOHENKO, Greg, Port Credit, Ont. | ROUSE, John L., Bowie, MD |
| DUBIN, Steven, Union, NJ /Quebec | SANDBORN, Bill, Savannah, TN |
| DUPUIS, Abbe Fernand C., La Pocatiere, | SAYLOR, Brett D., Altoona, PA |
| ENOSAWA, Toshihiro, Omiya City, Japan | |
| FORDE, Eric L. Ashtabula, OH | |
| FRIERSON, Forrest E., Garland, TX | SLUKA, Stephen, Trenton, NJ |
| GRAFTON, Steve V., Seattle, WA | SOLAM, Robert, Los Angeles, CA |
| HASCALL, Dave, Fortville, IN /FL | SUEOKA, Guy, Honolulu, HI |
| HAZLETT, William S., Atlantic Beach | TAYLOR, Alan, London, Ont. |
| HEILMAN, John D., Madison, WI | TINCHER, Carol, Morrow, OH |
| HOPFMAN, Richard, Suisun City, CA | WADA, Ichiro, Tokyo, Japan |
| HOLMES, George F., Fort Collins, CO | WALLACE, Robert A., Yokosuka, Japan |
| KNIGHTES, Peter W., Killeen, TX | WALLIN, Michael F., Kingsford, Australia |
| LIRINGIS, Ted, Huntington Beach, CA | WHITE, Robert C., Metairie, LA |
| McMULLEN, William, Ann Arbor, MI | WOLSHOCK, Thomas L., Wilmington, OH |

YOU'RE INVITED TO A BIRTHDAY PARTY!

The Newark News Radio Club will celebrate it's 50th anniversary on Saturday, October 8, 1977 at the Bloomfield Civic Center, 84 Broad Street, Bloomfield, New Jersey. The event will begin at 2:00 P.M.

Most of the day will be devoted to renewing old friendships, meeting early-day DXers and remembering radio's early days. In keeping with nostalgia, there will be a display of equipment covering NNRC's 50 years in serving

The guest of honor will be J.R. (Jack) Poppele who will have a few remarks about the early days of radio. Mr. Poppele was Chief Engineer for radio station WOR for many years, later becoming Vice President for the Mutual Broadcasting System, and under President Eisenhower, was Director of the Voice of America.

Anyone interested in attending this event should send a card to Mr. Eugene G. Vonderembse, 31-50 30th Street, Astoria, NY 11106 and indicate the number anticipated in your party. If further information or directions are needed, write to that same address.

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
SEPTEMBER, 1977

The Constitution of NASWA as adopted October, 1976 requires that a financial statement be issued annually to the membership. This month's "Report From Headquarters" is in this regard.

We are pleased to report that the financial condition of NASWA continues to improve with no outstanding debts and all payable accounts current. In addition to the cash on hand, NASWA assets also include one A.B. Dick off-set printing press, one Scriptomatic addressing machine, one collating machine, one electric typewriter and other miscellaneous equipment necessary for the organization to operate efficiently.

The following is a summary of the FRENEX and DX hotline expenses and other related expenses required to provide our services to the membership. A detailed statement of each month's expenses is provided each Executive Council member along with copies of the bank statement from Union County National Bank, Liberty, Indiana.

FINANCIAL STATEMENT 6/30/76 - 7/1/77

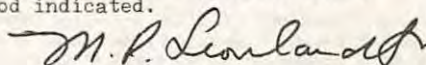
Cash on hand as of 6/30/76.....	\$8,561.62
Income from new memberships, renewals, and sale of other club related materials from 6/30/76 through 7/1/77.....	\$21,302.53
Total.....	\$29,864.15

EXPENDITURES 6/30/76 - 7/1/77

Printing cost for FRENEX/DX Hotline.....	\$ 8,058.76
Postage cost for mailing FRENEX/DX Hotline.....	4,811.52
*General operating expense:	
Headquarters (other than postage & printing).....	629.84
Publisher (other than FRENEX/DXH postage & printing).....	663.41
Corresponding Secretary.....	488.09
HQ mailing costs (including postage machine lease).....	1,873.60
HQ miscellaneous printing.....	1,086.17
Reimbursed expenses.....	393.83
Items purchased for resale (decals, rubber stamps, etc.).....	360.39
Subscriptions, dues, and contributions.....	203.50
Refunds for over payments and cancelled memberships.....	79.60
Miscellaneous.....	107.34
Total.....	\$18,756.05
Cash on hand as of 7/1/77.....	11,108.10

*Includes such expenses as cost of office supplies, box rents, phone expense, xerox copies, misc. postage, and other related expenses. \$29,864.15

I certify the above to be an accurate and true accounting of the income and expenditures for the North American Short Wave Association for the period indicated.



M. R. Leonhardt
Executive Director

shortwave CENTER

JERRY A. LINEBACK, EDITOR
P. O. Box 325
St. Joseph, IL 61873

SEPTEMBER 1977

Our special feature this month is the shortwave antenna and related subjects. We thank all of you who submitted material for this special issue on antennas.

A Coil Antenna: NO MUSS BUT PERFORMANCE PLUS
(Or Making a coil with little toil and results royal)

by Ed Insinger, N.J.

The advent of sophisticated solid state circuitry for communications receivers has helped the DX'er/SWL'er achieve a high degree of success with less than super shortwave aeriials. However, not wanting to rely only on a whip antenna, I decided to create my own modification of a coil-type antenna based on the experiments and suggestions of fellow FRENDX members. The results are worth sharing and considering, especially if you are an apartment dweller, cannot erect an external aerial, or desire a standby that will perform well.

Simplicity surrounds the coil I constructed. The basis of the antenna is a cardboard cylinder $3\frac{1}{2}$ inches in diameter and 42 inches long. (These cylinders are commonly used as shipping containers). Around the outside circumference of the cardboard, I carefully wound 2 inch wide aluminum duct tape angularly, with the adhesive side outward. This tacky surface along the entire circumference of the tube eased the winding process by insuring that the copper wire remained evenly spaced. It is helpful to place pencil markings along the entire length of the tube (on the adhesive) to guide each turn or winding. The ends of wire can be slipped through a small hole anywhere on the circumference at the extremities, then knotted to anchor. I used 12 gauge stranded copper wire. A single strand of a similar gauge can be used equally well. Next came the attachment of a feeder, or lead in. I soldered the lead in one-third the distance from one end. Since coaxial cable was used, I stripped the outer braid sheath back on both ends, operating the lead in as a "floating ground." This system works well with the antenna quick disconnects on my FRG-7. In order to minimize bulk and visibility, I used RG-174U coaxial cable made by Alpha Wire Company. It is only one-eighth of an inch in diameter and can be easily hidden under doors, rugs, or along baseboard molding.

When erecting the antenna, be sure to remember optimum results are obtained by orienting east-west. I suspended my coil from the closet ceiling, using two small wood screws and short pieces of picture hanger wire. Keep the antenna as close to the ceiling as possible. Closets and attics provide excellent hideaways for the coil.

Previous reviews of this antenna produced favorable results. I have encountered excellent performance along the entire short wave spectrum when connected to my FRG-7. I cannot specifically detect any directionality, and can pick up signals with good S-meter readings from all continents. Despite being mounted indoors, on the first floor, I do not experience excessive noise. I am very pleased with its sensitivity. It is able to pick up signals barely capable of moving my S-meter, much to my surprise and enjoyment.

Roof Support

Free-Standing Antenna Supports for
Flat-Roofed Buildings

by Jim Roberts, Winnipeg, Manitoba

Apartment-dwelling DXers lucky enough to get permission to put up rooftop antennas may find this easily built design just what the doctor ordered to support their longwire or dipole antennas. No permanent attachment to the roof is necessary, and the supports are easily disassembled when the time comes to pull up stakes.

The design shown on the next page will allow for the antenna to be raised some eight feet or so above the rooftop. The design can easily be expanded and more concrete blocks added to brace taller masts. The University of Manitoba DX Club uses the same system on a 12-foot base to anchor 16 foot dowels. In their case, however, the concrete blocks are replaced with 5-gallon pails of a water-antifreeze mixture and some steel cables are added to brace the antenna supports to the roof parapet.

Materials required are listed below: (parts for two masts)

LUMBER

Four pieces: 1" x 6" x 8' (base supports)
Four pieces: 1" x 6" x 18" (levelling blocks)
Two pieces: 1½" x 8' hardwood dowels (masts)

Lumber should be clear-grained spruce or fir. Treat with wood preservative and paint after assembly if desired.

HARDWARE

Eight 2½" eyebolts and nuts (two nuts per eyebolt)
Sixteen flat steel washers
Two 1½" screw eyes
Two 2" hose clamps
Approximately 150' stranded steel wire (guy wire)
Wood screws for assembly

MISCELLANEOUS

Eight to ten standard concrete patio slabs (8" x 12") or similar for anchor weights

Begin assembly by attaching one eye-bolt to each end of the long 1" x 6" planks. First put one nut and washer on each bolt and screw these along the shaft. Then put the eyebolt through the 1" x 6" and attach the other nut and the washer from below as shown in the drawing. Tighten all nuts securely.

Cross the 1" x 6" planks at right angles at the center as shown. Mark the center. Drill a 1½ inch hole at the center completely through the upper plank and halfway through the lower. **DO NOT DRILL COMPLETELY THROUGH THE BOTTOM PLANK.**

Fasten the two planks together securely with wood screws as shown. This is best done up on the roof itself.

Attach levelling blocks under each end of the upper portion of the base support as shown.

Attach one screw eye to one end of each of the dowels. Place a hose clamp around the dowel and set the dowel into place in the large holes drilled in the base. Attach one end of the antenna to the screw eye in the top end of the dowel.

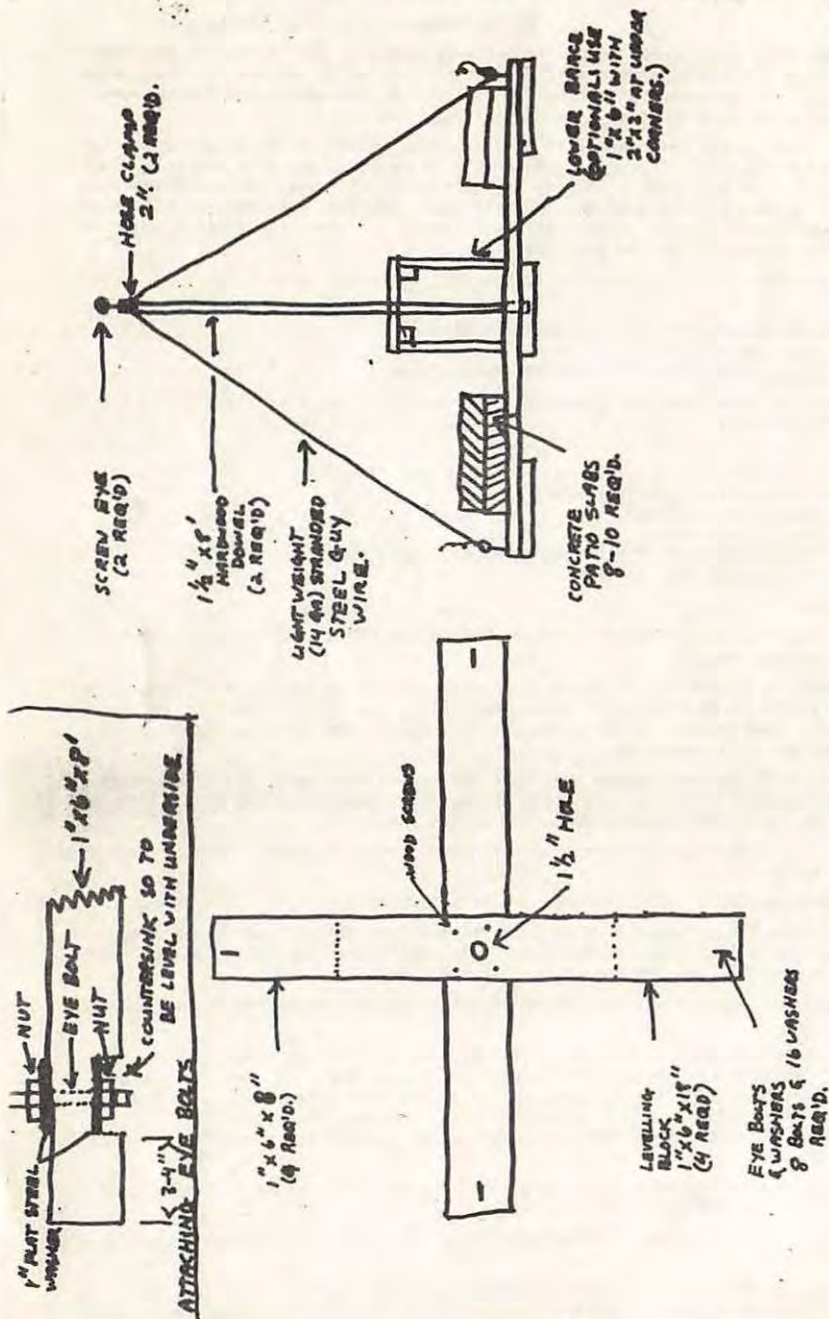
Position one base support at each end of your antenna and attach the antenna between the supports.

Cut lengths of steel wire sufficient to run from the top of the dowel to the ends of the antenna base supports (at the eye bolts) with sufficient wire left over to attach to each end. Fasten the upper end of the guy wire to the hose clamp and, when all four guy wires are attached, slide the hose clamp to a position near the top of the dowel and tighten. Pass the free ends of the guy wires through the eye bolts and tighten uniformly.

Weight the base with concrete blocks and tighten until the antenna is fairly taut but not straining. Equalize tension on the guy wires.

Run feedline to your receiver. Climb down from roof. Turn on receiver. Open beer or coke, tune, and enjoy.

This antenna has been used by several Winnipeg-area DXers for several years with excellent results and a minimum of maintenance. It is a good idea to inspect the antenna system in late fall and early spring and tighten the guy wires, which tend to stretch with temperature changes and so on. Properly constructed, your free-standing antenna will endure all types of weather extremes, and will withstand very high winds. If windstorms



SIDE VIEW

TOP VIEW

FREE-STANDING ANTENNA SUPPORTS FOR FLAT-ROOFED BUILDINGS

are a problem in your area, add additional concrete blocks to the base.

I have never heard of any case in which one of these antennas has caused any damage to a roof upon which it is erected. The apartment dweller is advised, however, to consult with his insurance agent prior to construction, as most of the standard tenants' policies specifically exclude public liability coverage for radio receiving antennas and must be endorsed to extend liability protection for damage caused by such apparatus. The minimal additional premiums charged to extend liability protection will be well worth the cost in the unlikely event that the antenna should blow down into the parking lot or upon a passer-by.

Thanks to Dave McBride and Bill Hood of UMDX who helped design this system.

New dipole

A NEW TYPE DIPOLE ANTENNA PROJECT

Tom Alleman, Rochester NY

Faithful readers of FRENEX may recall that I described an indoor fan dipole antenna arrangement that I had built described in an article in the July 1973 issue. I have more recently built an outdoor version of the antenna, and I believe, after much use, that it offers several definite advantages for DXers. First, this antenna has strong directional characteristics which are easily adjustable to suit a particular taste; second, it has significantly increased the strength of all incoming signals, probably because it allows much more wire to be put up in a given area; third, it is quite rugged (mine has survived a winter in upstate New York with no bad effects), and four, it is easy to make and put up and cheap.

This antenna is basically a dipole with two elements on each side with a coaxial lead-in of 75 ohm impedance. The important factors in its success seem to be the way it is cut and the direction of the elements.

My house, interestingly enough, runs on a line that is virtually true north-south, which made planning much easier. The chimney, which is at the midpoint of the north side of the house, was used as the site for mounting the center connector (see diagram on next page). Elements W and X are connected to one side of the center insulator (Figure 1.) and elements Y and Z (the shorter two) are connected to the other side. Element W is 55 feet long and runs directly north-south (180 deg.); element X is 57.5 feet long and runs at 163 deg. from true north; element Y is 52.8 feet long and on a line of 162 deg. from true north; element Z is 34.5 feet long and on a line of 150.5 deg from true north. W and X are connected to the south side of the house; Y and Z are attached to the east side. The center insulator on the chimney is about 5 deg. higher than any of the other mounting points.

There aren't any tricks to building this antenna. (see figure 2). Run 150 feet of copper wire through one side of the center insulator and 120 feet through the other side. When half of each length of wire is through the hole in the center insulator, twist each length of wire around itself, and solder the twisted part heavily, using a lot of solder. Then connect the center conductor of good quality 75 ohm coaxial cable to one side of the antenna, and the shield conductor to the other side, also using a lot of solder. To prevent the elements from attacking the insulation of the coax, I slopped some epoxy on the exposed end of the coax insulation. Attach a connector to the receiver end of the coax and insulators to the ends of the antenna wire and put it up.

I have had about fourteen months to test and use this unequal length fan dipole. While I am no expert, I am convinced that the antenna gets its superb directional characteristics from two factors: 1. The positioning of the elements and 2. their relative length. (Elements Y and Z have about 75% as much wire as elements W and X). In its present configuration, my antenna is most strongly directional towards the South Pacific and Australasia, and their appears to be a strong subpeak towards southern Africa. Examples: Tahiti, 15170, 11825 at 40 dB over S9; Moumea, 7170 at S9; Swazi Music Radio 4980 at 10 dB over S9. Other catches include Rhodesia, Gabon, New Zealand, Sri Lanka, and various Indonesians. I have also noticed that the amount of time that signals are available from a given area has increased: There is usually a strong opening to the South Pacific by 0130 most days and one to Africa by 0300. The antenna is connected to an SX-190 and seems to function very well on all bands from 60 to 19 metres.

I think that the results from this inexpensive project have been fabulous.

Fig. 1. MY HOUSE AND THE ANTENNA

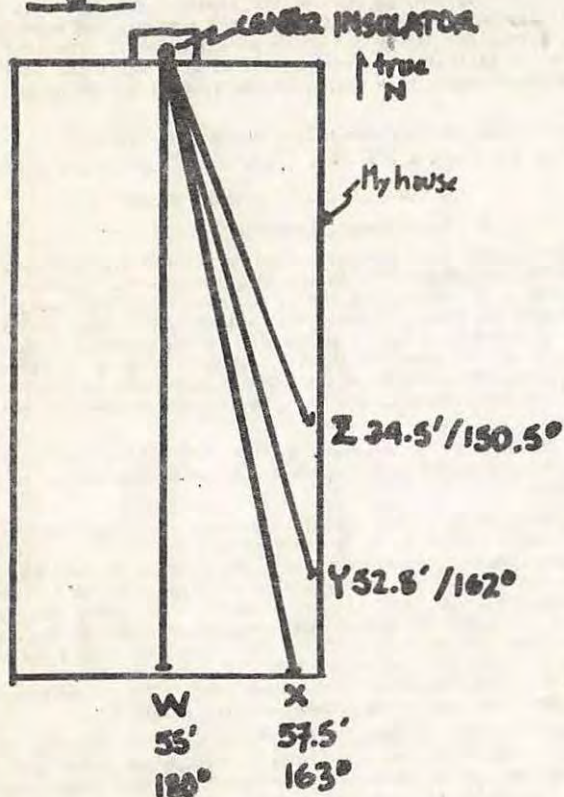
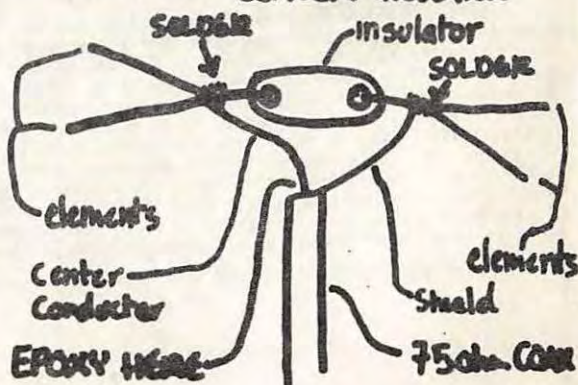


Fig. 2. DETAIL OF THE CENTER INSULATOR



Multiple Dipole

A MULTIPLE DIPOLE ANTENNA

by Robert D. Stees, Halifax PA

The multiple dipole antenna is an excellent way to get optimum reception on up to 5 bands in one antenna, without tuners or traps! The multiple dipole is merely 5 dipoles connected together. A dipole is a length of wire made to resonate at a certain frequency. For about \$10.00, the average SWL can construct it in a few hours. The one disadvantage is the length of the antenna wire on the lower frequencies.

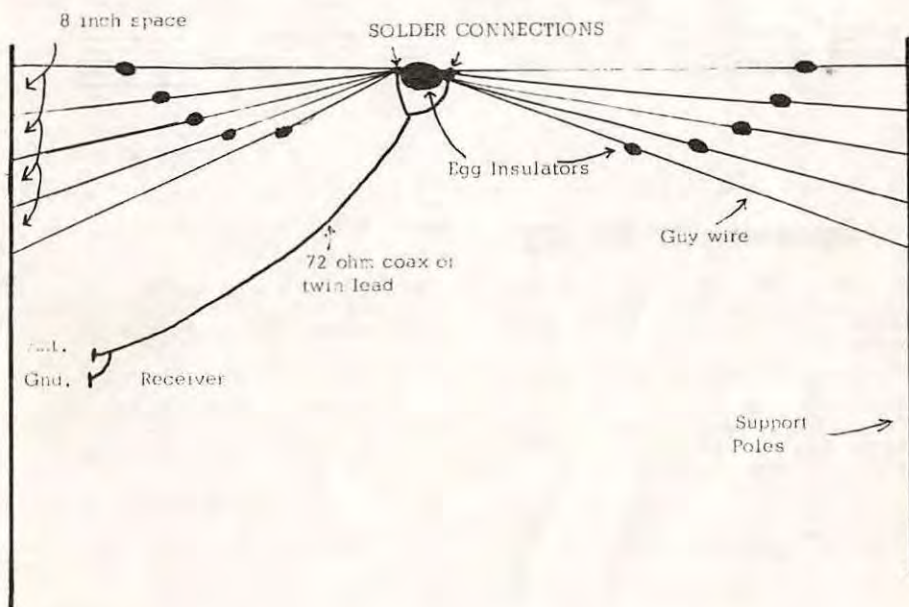
The multiple dipole antenna is simply constructed, but there are several things to keep in mind. The antenna should be supported by masts or support poles on the roof or elsewhere. The antenna should be 30 feet high or higher. Because of its directivity, mount it broadside to desired signal source.

I recommend #14 enameled copper wire, or similar for the antenna wire and 72 ohm coax or twinlead. First divide the mid-frequency of band (kHz) into 468,000 to determine the antenna length. You can choose up to 5 bands. Add a foot to the length (to fasten through the insulators) and cut it in half. Connect as shown in the illustration using strong guy wire and egg type insulators. The guy wires should be connected securely to the poles with 8 inch spacing between wires.

For the connection at the middle insulator, remove insulation, twist wires on each side together, attach one of the coax leads to each side, and solder. Make sure the solder connection is good, then tape connection for strength.

Frequency vs. Antenna Length

120 metre band:	195 ft.	31 metre band:	57 ft. 8 in.
90 " "	141 ft. 7 in.	25 " "	34 ft. 7 in.
75 " "	118 ft. 6 in.	19 " "	30 ft. 6 in.
60 " "	95 ft. 6 in.	14 " "	26 ft. 2 in.
49 " "	76 ft. 8 in.	12 " "	21 ft. 5 in.
41 " "	65 ft.	11 " "	18 ft. 3 in.



Short antenna

HOW TO PUT UP A 100 FOOT LONG WIRE IN ONLY

33 FEET

by Mike Agner, Waldwick NJ

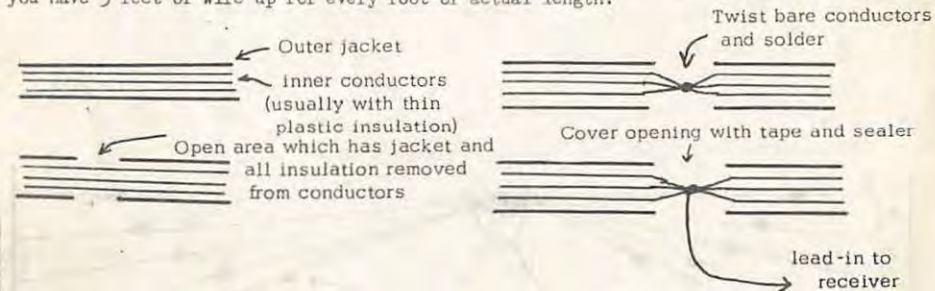
This idea may help some readers who live in restricted areas. The idea works for the creation of Window or long wire antennas that do not require coax lead-in. This antenna is tough mechanically, the only time it broke was during a hurricane. The material for the antenna itself is 3-conductor telephone hookup wire. One can usually buy this in 75 foot rolls from Radio Shack. The basic construction follows.

1. Strip a small portion of the cable so that the 3 individual conductors are bared (all insulation must be removed). For a longwire, remove insulation from the end the lead is to be attached to, for a window antenna, remove insulation for a couple of inches about 1/3 of the way from one end.

2. Take the three bare leads and twist them together so that they are firmly connected and then solder.

3. Take the lead-in wire (type not critical, the thick speaker wire is preferable for mechanical strength), remove insulation from one end and solder firmly to the three bare twisted and soldered conductors. Make sure all connections are taped and water tight after connection. Some silicone sealer may be useful in making the cable waterproof at the connection. The antenna can then be strung where convenient. This antenna should be used with receivers that have a wide range of matching impedance inputs such as most imported portables, old communications receivers, and the DX-160. No antenna tuner is required, but it helps since the impedance on the wire antenna is probably several hundred ohms.

The idea for this antenna was actually given to me by Stan Rogacki. The key is that you have 3 feet of wire up for every foot of actual length.



Apartment DXing

INDOOR APARTMENT ANTENNA DXING

by John C. Onken

For the past six months, DXing in an apartment, I've used every type of wire I could get my hands on for good reception so that I could catch that elusive station or country. Is there a better way? To the DXer who is living in an apartment, a good antenna is a necessity.

Here are some of the experimental designs that I've used to DX:

1. Long wire (insulated or non-insulated, preferably light weight copper), about 25 to 50 feet (depending on space) strung around the room, no insulator at the end. Just hook it to the antenna input. A ground is not necessary, but preferable if possible. The results: average reception, occasional interference, but not the best.
2. A short dipole, with about 9 feet on both sides. Use copper wire with a large insulator in the middle and small egg insulators at the ends. Use a coax cable (RG-59U) and connect the center conductor to one side and the braided shield to the other side at the large middle insulator. The results same as for 1.
3. Experimental antennas with fair to bad results:
 - A. The folded (fan) dipole using 300 ohm plastic coated TV-FM wire, designed the same as 2 above, but using same wire as feeder.
 - B. Coiled copper wire wound around a curtain rod, on both sides toward middle, using same wire as feeder.
 - C. Insulated wire attached to bedsprings and receiver.
4. Insulated bell wire, strung around the room, attached to a tuner (I use the Gilfer

M-1 tuner), then to the receiver. This arrangement is about the best for good to fair reception. A good tuner will not give great reception with an indoor antenna, but it helps.

The many months DXing with indoor antennas, because I had no choice, is a real challenge to the apartment DXer. So, if you're stuck high or low in an apartment, pickup some wire like I did and experiment (again an antenna tuner may help) in your limited space. Depending on your type of receiver and expenses, "get some wire", hard telling, you may just pick up Cook Island or the Antarctic.

Indoor antenna

MORE THOUGHTS ON HIDDEN AND INDOOR ANTENNAS

by Jerry A. Lineback

In preparation of this antenna issue, I have had numerous requests from apartment dwellers and those who live in areas where property rights have been compromised for uniformity. They usually start out, "My landlord (city code, etc.) won't permit me to put up an antenna. . . ." Well, even an AM portable has an antenna and there are many ways to get around not being able to hang an outside antenna. I would like to mention a few; some have already been discussed in this issue.

First, for those who own their own house in an area where property restrictions forbid outside antennas. For these people, the attic antenna is the best solution. You can use insulated or uninsulated (if it can be strung without touching rafters, etc.) wire and should be suspended by insulators. Avoid proximity to electrical cables for safety and noise elimination. Use coax lead to avoid noise pickup, although insulated single conductor leads may work. Attic antennas are not as efficient as outdoor antennas, but if you string lots of wire, it should work quite well in wooden houses. If your house has a metal roof or metal sheeting on the roof, you may be out of luck. Also watch out for metal backed insulation. You can also make one of the tube antennas such as the one described by Ed Insinger in this issue. These arrangements will work quite well with modern sensitive receivers. If an indoor antenna does not work, perhaps an insulated wire can be strung along the eaves of the house or fastened to the side of the house. If codes permit above ground electrical wires, run a couple of fake electric lines to the garage. Use your imagination, there are many ways. If space is the problem, several short wires will do about as well as one long one.

Most modern portables are designed to do quite well with their built-in whip antennas. These portables, such as the Sony LCF-5900 and the Panasonic 2200, or the Barlow-Wadley XCR-30 will do quite well in wood houses with no additional antennas. In fact, the addition of extensive antennas to these receivers may overload them. While a good antenna may be necessary to get the Cooks Is. with one of these receivers, you can easily log and verify over 100 countries with these portables from your livingroom chair.

Now the apartment dweller has two problems, no room and no access to attics or outside parts of the house. Now, as mentioned above, you may want to use a receiver with a whip antenna to avoid the sweat of a wire antenna indoors. This will work fine in most low-rise apartments constructed of wood. You may be faced with additional noise in a high-density area, but you would have that even with an outside antenna. If you want to use a communications receiver or add an antenna to your portable, the important thing again is to put up lots of wire. One of the coil antennas may be ideal as you can get a lot of wire on one and it can be mounted in a closet, along the ceiling, or under the bed, etc. Large loop antennas can be used also, but they will not have the directionality on shortwave that they do on mediumwave.

Those living in high-rise buildings with steel framing will have the greatest problem. In fact, it may be impossible to adequately receive signals without putting something outside. You can set the radio on the windowsill but if you have greater aspirations, you will have to feel your way around the problem. Perhaps you would be happier in a small apartment building with fewer reception problems. Otherwise you can try the following. If you have a balcony, fine. Perhaps you can attach a vertical antenna such as an amplified whip to a clamp and put it out when you need it and take it in when you are not using it. Perhaps you can get a neighbor to help you string an insulated wire along the outside of the building where it will not be noticed. Or, if you have no access to the outside at all, try the following. You probably noticed that many new cars have the antenna for the car radio in the windshield. Well, you can buy a car antenna to put on the inside of your windshield to convert your car radio. This consists of a thin wire in the middle of a piece of plastic tape. Buy one and stick it to the inside of your largest window. Run it back and forth, it will work best in the middle of the window. Do not place it closer than 2 inches from the metal window frame. Run a lead to your receiver, and hope for the best.

BETWEEN 30 AND 50 FEET HIGH.

- A - 49 METERS = 77 FEET
- B - 30 METERS = 48 FEET
- C - 25 METERS = 39½ FEET
- D - 19 METERS = 31 FEET

CONNECTED ON EACH END WITH EGG INSULATORS

V-SHAPED DIPOLE ANTENNA

← COPPER WIRE

→ COPPER WIRE

SOLDER GROUND WIRE TO WIRE Braid AND SOLDER CENTER CONDUCTOR TO COPPER ANTENNA

72 OHM COAX

EGG INSULATOR

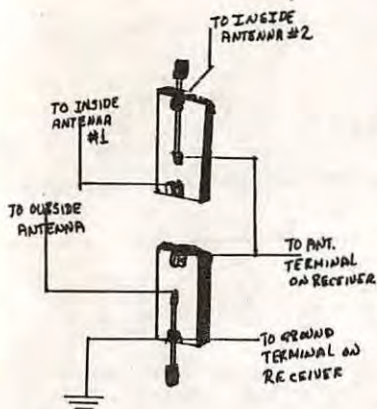
EARTH

EARTH

¾" COPPER TUBE, 3 FEET LONG, 2" ABOVE THE GROUND

A NOVEL ANTENNA SWITCHING ARRANGEMENT

by Charles A. Wootten



For the SWL, who usually has a separate antenna, or perhaps two, for the shortwaves, and also retains one for the broadcast band, this novel arrangement should be useful, for it will save the necessity of plugging in the appropriate antenna and also save any possibility of confusion, at the same time providing a ground switch. Switches used are the single throw type. With the top switch open and the bottom switch up, the outdoor antenna is connected to the set, and with the top switch still open and the bottom switch down, the outdoor antenna is grounded.

With the bottom switch open, the top switch may be open or shut, thus connecting the desired antenna of the other two. If you wish to go all out for a longer antenna, close the bottom switch up and the top one either way, thus connecting the two antennas. You will find that there are many variations of this idea. For instance, if you wish to try

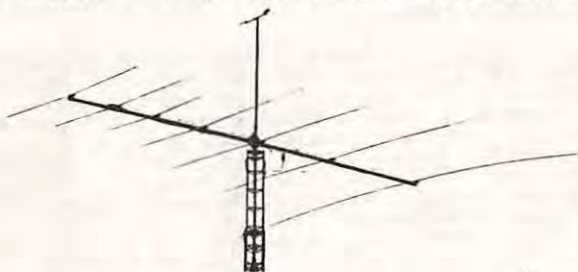
a counterpoise ground, the switches can be connected to do this, instead of one of the antennas. The connection to the set need never be undone and can be made permanent.

LOG PERIODIC

A GIANT OF AN ANTENNA, LITERALLY

THE LOG PERIODIC, by J. A. Lineback from material sent by John Lackmann.

One type of antenna that shortwave DXers with space and money ought to look into is the log periodic. These antennas are good only for the higher frequencies, generally above 7 MHz, and even there are quite large. The antenna described here was available from KLM Electronics, 1600 Decker Ave., San Martin, CA 95046 in 1974. At that time it cost \$289 and therefore is probably somewhat higher today. It is 30 feet long with a turning radius of 26 feet. The company reported that the antenna provided from 6.5 to 9 dB gain from 13-30 MHz. A modified version works well for transmitting and receiving down to 10 MHz and for receiving to 7.0 MHz. The advantage to this antenna, aside from any gain provided, is its directionality and the fact that it can be rotated to peak signal from a station, or to eliminate interference. While primarily for hams, such an antenna could be a great advantage to the DXer who likes the 41 metre band and higher frequencies.

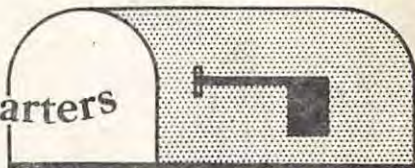


KLM 13-30

Recently KLM Electronics began manufacturing and marketing the line of antennas designed by Oliver Swan. This line includes a full line of VHF-UHF antennas from 40 to 550 MHz. The most recent addition to this line is a rugged, high performance antenna (log periodic) that covers 13-30 MHz. A recent modification now allows usable operation from 10-31 MHz. This frequency range includes the 10, 15 and 20 meter amateur bands as well as MARS frequencies from 11-30 MHz, the shortwave broadcast bands in this frequency range and of course the citizens band at 27 MHz. In short, this array gives the user the equivalent of an optimum spaced, long boom, 3 element yagi anywhere from 13-30 MHz!

QSO/NASWA

letters to headquarters



Edward C. Shaw
P. O. Box 7053
Lexington, KY 40502

IS THERE NO END? The new exotic portables keep coming! From SONY comes word that their newest addition to the direct-frequency-dialing market is the CF-950S, with built-in cassette recorder. And, if that ain't enough..

THERE'S MORE TO THE DX-160 STORY. Last month we remarked about rumors that Radio Shack was/was not about to jerk the DX-160 off its shelves. From my Ear in Fort Worth comes word that Radio Shack has been parlaying with the JVC/Nivico people in Japan, perhaps others. Then, one NASWA member, Don McCarthy got an outright suggestion from RS HQ that Tandy Corp. was considering an "advanced" version of the DX-160 within a couple of years. Holy Heterodynes! It seems to me that they had the basis for an "advanced" winner in the SX-190. With a switch to synthesized HFO and perhaps some minor RF section work, and maybe an LED digital readout thrown in, the SX-190 could be half their work already available. (Don McCarthy, Florida)

OLDIE NEEDS A HELPING HAND. Roger DeRoy isn't the oldie, but he did come across an old Zenith Long Distance Radio model 9S-202 needing tubes. Anyone knowing something about this one please contact me. And, if it turns out that you can use some old No. 10 or 30 tubes, then your problems are over, Roger, cause I got those here for you.

INTERVAL SIGNAL COLLECTIONS have been available from place to place. They are excellent ways to increase your DX-ability for identifying those once-in-a-lifetime catches. Finnish DX Association announces a collection of interval signals and station announcements on cassette available from the Finnish company ERIKOISKUSTANNUS OY, SF-02210, Espoo 21, Finland. Or, the easiest way to obtain this one-hour tape is to send your \$8.00 check or money order to Edward J. Pyatt, Agent PDXA, 510 Yorktown East, 1200 Columbia Avenue, Philadelphia, PA 19122.

WELCOME BACK TO DXING, BOB LAROSE. NASWA old-timers will remember this name from several years back. A letter from Bob relates: "I've been only remotely in touch with DXing the last five years. My main point of contact has been with C.M. Stanbury. I moved to Denmark where I had some contact with Jens Frost (WRTH publisher) and some of DSWLI gang. As an agent for Harris Corp. (the transmitter people), I've traveled around the world, and spent about 25% of my time in S.E. Asia from 74-76, getting in some fascinating listening....Burma, Thailand, Malaysia, Singapore, Sarawak, Brunei, Hong Kong, etc. I joined NASWA because I do remain interested in Int'l BC listening, and PRENDX is impressive.... a far cry from the old days. I still use an old SX-117, but hope to buy an PRG-7. 73s, Bob LaRose".

CONGRATULATIONS TO GLENN "Harmonix" HAUSER for being chosen Man of the Year at this summer's ANARC convention in Schaumburg, Illinois. A prolific producer of DX information! Well done, Glenn. We're glad you're here.

AND, ANOTHER ROWSING HAND FOR TED POLING, chosen as Handicapped Aid Program Man of the Year at the ANARC Convention. Ted was first introduced to HAP thru ASWLC and was later encouraged to take a Chair with HAP's Pals Program. Still later as the Pals Chairman, he organized the HAP international Coordinating Committee. After a term of office as Assistant Director of HAP, Ted was appointed Director in 1975 upon the resignation of Gene Moser. Last Winter, Ted entered a long-term health care facility necessitating relinquishing his office to Wayne Davis, HAP's present Director. A fine job, Ted! And, we realize that world-wide HAP programs was in the main your work.

SUGGESTED READING FOR TECHNICIAN DXERS. Sam's books has a title "How To Read Schematics". (No.). This book is written in easy-to-understand wording. No advanced math and formulas necessary. But, there's more than just reading schematics. It shows-and-tells a lot of stuff that DXers who would gain experience ought to learn.

WHAT IS A QSL? Certainly, this is a question of much cussing and discussing. However, one of the points of obtaining QSLs was discussed by the Swedish DX Federation as reported in the Vol 11, No 5-6 edition of the Newsletter published by the European DX Federation. The Swedish Board seems to decry the use of "Prepared QSL Cards"...those made up by the sender which require the station official only to pen in the appropriate check mark or signature. The Swedish group rejected use of these cards..."since it has been felt that they put a psychological pressure on the station to verify details which have not been proven by the reporter. It is always easier for the station to sign the PPC (Prepared post card) and return it than to write out a correct verification themselves..." This editor does not agree with the Swedish group, and approves the use of prepared QSLs. Having seen the results of some ingenious, clever, and professionally-prepared efforts, I believe in the utility and bonafide worth of such cards. The Swedish group seems to believe that some stations can be bribed in some way with such an attractive card. To the contrary, I trust to the honesty of the station to consider the worth of my report and accompanying card (if I do use one). In the final analysis, it is...I... who must be satisfied in good conscience what will constitute a QSL...perfect data upon it or not. Care to comment, anyone?

A POINT TO PONDER. Ever wonder why your hobby has not caught on like wild fire throughout our country? Why is it that few of your acquaintances know what it is you are doing? I've thought long and hard about it, and come to the final obvious conclusion...our national radio, TV, and news or magazine media would prefer not to advertise the competition! That ain't good business. Couldn't you just imagine a quarter-page newspaper ad for NHK, BBC, Moscow or RSA on a daily basis? What about a full-page in Readers Digest?

TROPICAL BAND SURVEY. Fifth edition from the Danish Shortwave Club Int'l has been available since July. Recognized as one of the authoritative lists in the world for frequencies between 2140-5800 KHz. Especially valuable for better-than-WRTH info on Indonesians and other Asians. Typewritten and reproduced by offset. Available from GILFER.

WHERE TO FIND USED RECEIVERS? Several letters received wanting to know how to locate good used receivers at lower prices. The only quick reply I can supply is to keep tuned to the nearest Ham Convnetion. They're all just about over for the season, but they usually abound flea market type sales of receivers, transmitters, various other equipment, parts, etc. for very, very reasonable prices. It's a person-to-person thing, so beware if you're not particularly knowledgeable about what you want. But the price-being right is the main thing. For instance, I just visited the Bluegrass thing in August and came away with an old IF filter containing four 100 KHz crystals...for \$3. That's 75c per crystal. Cheapest commercial source I know of wants at least \$4.00.

AND LAST OF ALL... This September episode of QSO/NASWA will be my last. I'm not going anywhere in particular, but I'd rather devote more time to writing articles again for Jerry Lineback's SWC section and to concentrate more on club business. Mac really does have his hands full, and Alan gets dizzy the end of each month. Of course, I'll always answer letters from any hobbyists. Stay tuned to the other sections of NASWA, and I'll forward appropriate letters and information to those sections who can use them if I cannot service them myself. Thanks bunches for all the letters. Keep them coming to me on a personal basis, won't you? 73, Ed Shaw

Listeners NOTEBOOK



• Editor: Glenn Hauser, WUOT, U-Tenn.,
232 C&E Bldg., Knoxville, TN 37916

SEPTEMBER 1977

PROPER CREDIT Other clubs and broadcasters may use material from LN provided due credit is rendered to the original reporter and the MASWA Listeners Notebook. This courtesy does not extend to closed organizations such as Fine Tuning, Número Uno and the Ontario DX Association which do not allow reciprocal access to their publications. BEG Monitoring Service items are copyright and may not be further reproduced without BECWS permission. All times, days and dates in LN are day/month GMT, u.o.s.

ENGLISH SCHEDULES ANGOLA (Cf Aug LN-2) Per recent previews the RNA "B" pgn on 4820/3375 has English at 1130 (BECWS 21/7)

AUSTRALIA Stingy RA's S77 sked not to hand at press time, but I've noticed 21455 opening at 0130, better than 15320 23/8: (gh) 17/7 changes, 15270 ex-15410 0130-0300; 17895 ex-15 MHz 0600-1000 (BECWS) 17895:7! They're nuts, that's a jammed channel (ARDXC) BANG LN-3

BOLIVIA: BENIN Voice of the Revolution was observed with EG nx 16/7 at 2012 on 4870 (BECWS) LN-3 4875

CAMEROON (Cf Aug LN-6). Yaoundé's new xmtr, now on 4925, has EG nx 1830-1845 (Mainland & Wakisaka, RA DX 7/8) R. Buea (BOO-ee-uh-gh) on 3970.88 had EG nx at 2030 (Gordon Darling, UK, WDXG Aug) And EG nx at 2150-2200* (Noël Green, BBC WRC 17/8)

CANADA RCI S77 sked, preliminary dated 28/7 with first amendment 4/8; (Sackville u.o.s.) 0615-0630, 0645-0700 both Mon-Fri only 11960/11825/9655/6140; D 7155/11720. Sun only 1400-1500 D6195/1295. Daily 1545-1559 17820/15325; D11935/9555; S11915/9565; 1645-1659 17820/15325/11855. 1800-1829 & 1900-1929 17750/15260. 1930-1959 17820/15325; D 5995/7130. 2030-2059 17820/15325/11855; D 5995. New xman (ex 1400-1430) at 2100-2154 in FR & EG; 17820/15325/15260/11945/9745. Mon-Fri 2200-2400 5960. 0100-0127 11940/9535; 0200-0227 11845/9605; 0300-0327 11845/9655/9605/5960; 0400-0427 11845/9655/5960. D--Daventry UK relay; S--Sines, Portugal relay (RCI) see ECUADOR below (gh)

CHINA R. Peking noted on some new NAM svc freqs, some quite good: 0000, 15520, 0100, 17679 15435/15060; 0200 17679/15435; 0300, 17650; observations 23/8 (gh)

CONGO Voice of the Congolese Revolution, 15190/4765, has news in EG around 2130 with daily variations (BECWS 4/8)

CZECHOSLOVAKIA R. Prague test freq to SAs since 4/8 at 1530-1630 is 17705 (BECWS 11/8)

CHILE La Voz de Chile, good on new 9680 EG 2250 (Rolf Löfström, Norway, SCDX 9/8) typo for 9580? (gh) More on LN-4

DOMINICAN REPUBLIC Since 25/7, R. Clarín added another EG pgn at 2130 for Europe, Mon-Sat on 11700/4850. 2330 will remain unaffected (Heath, Pacuch, Kaeseltz, et. al., SGDX 2/8) Oh, yeah? See LN-9 (gh)

ECUADOR HGJB S77 changes include 6160 ex-6130 at 0830-1200 to ANZ; 11845 ex-11915 at 0030-0700 to NAM; 17865 ex-17755 to Bu 1800-2100, partly in EG. To ANZ 11900 at 0630-1000, 9745 at 0700-1030, 1230-1300 (Roger Stubbe, via RA DX 14/8) 11845 will be a head-on conflict with RCI unless somebody gives! (gh) ETHIOPIA LN-4

FINLAND For the benefit of our Sunday audience in Eur and NAM, R. Finland starts a new 90-min EG svc as from Sept. 4, at 1325-1455, "Radio Finland in its Sunday Best" following our 1300 cast on 15105/11755 (via Chuck Self, MN) A good idea! (gh) FRANCE LN-4 GEORGIA LN-2

GREECE Just-expired VOG sked to NAM includes 0015-0030 11730/9760, same 0215-0230. At 1215-1230 and 1515-1530 17830/15345/11730. The first two freqs at 1515 on Tues are not used (via Robbie Berezowski, Alta) To ANZ 0915-0925 on 9655/15160 (Goonawardena, S.L., 8/8)

GRENADA R. Grenada's 15105 xmtr, used for the UK at 0200-2200 has been off the air since 4/7 due to repairs (a Grenadan contributor to HGJB DX Party Line 21/8) 2000-2200: (gh)

ISRAEL IBA S77: 0500-0515 7412.5/9820/11875/11960; also 12045/15105/15230/15485/15512½/17685. 1200-1230 11655/11800/15415/17815 to west, 15485 to As/Pac; also 15230/17685/17795/15512½. 2000-2030 7412.5/9815 Bu/NAM; 9009 Saf, 9425 Waf; also 15512½/9630/11960/17685. At 2230-2300 7412.5/9435/9815/11655 to NAM; also on 9009/11960 (Larry Magne, PA)

JAPAN For S77 R. Japan drops 15300 at 2345-0045 in favor of 11705 // 15270 (Zilmer, SPEEDX)

KOREA NORTH R. Pyongyang has rescheduled the entire EG section: 2000-2200 6576/9420 to Eur 0600-0800 9420/11535 Eur; 0800-1000 9420/11535 SEAs; 1300-1500 7203/9977 SEAs; 1500-1700 9977/7203 ME & Eur; 1700-1900 9977/7203 ME & Eur. Underlined freqs give fair reception here and the Nam svc is hrd around 0000 very poorly on 9977 (Oliver T. Goonawardana, Sri Lanka, 8/8) Also hrd at 1100-1250 on 9977/11535, no longer at 1000 as of 1/8; one day only used 11545 instead (Bob Zilmer, WI, SPEEDXGRAM) EG to the Americas is increased from 7 hours to 25h 40m per week (BECMS 11/8)

LIBYA The Libyan radio's EG pgm at 1600 has not been heard on 6205 since 16/7 (BECMS 28/7)

MALTA (Gf Aug LN-10) "Malta Calling" remains on Sat, not Sun, on 5990 at 2045-2115. Just before at 2030 Sat, IBRA Radio has EG on same freq (Bob Padula, Victoria, 30/7)

NETHERLANDS Not much change to RN's S77 EG sked; but the EG/DT at 1640-1650 has been replaced by DT for Surinam/Ants on 11790/6020 at 1630-1650 (gh)

NORWAY NRK S77, Sun into GMT Mon: 0800, 5965/11850/15175/15135; 1200, 6015/15175/17795/21730; 1400 9590/15175*/17795*/21730; 1600 15175*/17795*/1775*/21730; 1800 6015/11935/15175*/15345; 2000 9590/11860/15175; 2200 11860/11870*/15175*; 0000 6160*/9545*/9550; 0200 6180*/7240/9645*; 0400 6180*/9645*/9610; 0600 11870/11860/15175. Underlined, 250 kW, rest 100 kW; *to Nam. Typo showing the 250 kW at 0600? (via Chuck Self, MN)

PAKISTAN Indonesian svc of R. Pakistan on 15325/17665 includes EG rx "warta berita dalam Bahasa Inggris" around 0240-0243 (Isao Uguza, FEDXR 27/7) Far out (gh)

PHILIPPINES DPI EG to As was missing 17-21 July, but resumed on a modified sked 1/8; 0800-1200 and 2000-2400 on 9015/6170 (BECMS) (Gf Aug LN-1) Veritas dropped 9605 @ 1400 (RA)

SEYCHELLES FEBA on 15190 ex-15280 to SAs at 0630-0815 (Goonetilleke, RA DX 14/8) At 1530-1640 on 11865/9520 (Yoshiaki Hayashi, JADX, via RA DX 21/8) Sked 9525 (Goonetilleke, SDBX)

SINTRA LEONE New SLBS sked: 3316 at 0600-0745, 1800-2330; 5980 at 0800-1030, 1200-1745. Partly in EG (via Peter Bunn, Victoria, RA DX 7/8) SRI LANKA LN-5, partly in EG

SWEDEN RS to Nam 2300-2330 on new 6065 (no old 6120 still anned (Peter Bunn, RA DX 7/8). Either a test or an error, methinx; 23/8 check found on usual 6120; new sked not in (gh)

TAIWAN Many VOFC changes; EG included in the full sked on LN-5 (gh)

UKOGBANI BBC WS has been excellent on 11750 all aft and eve since Sofia/Moscow left channel at beginning of August. 11780 is added for S77 to Nam at 2115-2245, likely to be QRMED, cutting 15260 from UK back to 2000-2115 only. No other major changes, except we continue (g to do without 17640 in the mornings due to xmr usage for Masirah substitute (from Ascension))h

USSR R. Kiev S77 to Eur 1930-2000 9685/7390/7310/6020. Nam 0030-0100 15245/15180/12000/7150/6020/5980; 0300-0330 15425/12050/12020/9600/7390/6020/5980 (August ADXN) R. Moscow's published anticipated changes as of Sept. 4: At 2230-2400 7355 ex-9720; 0000-0200 7105 & 7355 ex-9700; 0200-0400 7105 & 6070 ex-9700. In the PCS at 0330-0730 11750 and 9610 added (via Robert Heckenlively, SD) USA WYFR LN-5, big deal

LAST MINUTE ITEMS

ANDORRA R. Andorra concluded tests on 6230, now officially sked in FR weekdays 0930-1200; Sun FR 0900-1000, DT 1000-1400, the latter to be increased to 8 hours on Sept 4, & DX pgm (Roussarie, SCDX)

BRAZIL R. Cultura Caiari on 4785 plans to return to 3345 ASAF. For financial reasons, Mir. Com has ceased installing 7 new 150 kW Brown Boveri xmtrs (Comunicação DX via ADAXI)MW?(gh)

CAMEROON Yaoundé on new 9745 in evs from 1745 8/8 // 4925 and 4972 (BECMS 11/8)

CHINA R. Pekin SP audio much degraded on 17630 at 0215, seems off-air relay // clear 17650 (gh)

CYPRUS CBG to UK in GK 2215-2230 now 7190 ex-7195 // 9770 (Gordon Darling, WDXG Aug)

CHILE R. Colo-Colo hr: 23/8 at 0240 w/mx, IEs in 3F on RC SSB 14530 (gh)

DENMARK Complete sked, not likely to change, all on 15165: 0730-0830 (exc Mon) SAs/PerGulf; 0900-100 E&CAF; 1100-1155 Grönland HS relay; 1200-1300 Nam; 1330-1345 Grönland HS relay; 1400-1500 W&CAF; 1600-1700 Nam; 1730-1805 Grönland HS relay; 1930-2030 SAa (BECMS 7/77 via)

ECUADOR Timesigger HDZIGA's sked changes a bit to 1700-2000 on 5000, 2000-0500 on 7600, 0500-1700 on 3810 (DX Party Line 23/8)

GEORGIAN SSR R. Moscow via Tbilisi, 9760, ops since 1/8 2100-2230 EG to Britain, best after 2200 VOA s/off (Roger Legge, VA)

IRAQ Sept IFRB sked lists 500 kW at Babel on 0030/9745/11905/15225. Projected xmsn to Nam at 2200-0400 on 11905 (Roger Legge, VA)

ISRAEL As of S77, last 5-10 mins of Hebrew HS rx after 2300 is also carried on Nam svc 300 kW xmtrs: 7412 $\frac{1}{2}$ /9435/9315/11655 (Magnes, RA, Corner) IBA hrd since 6/8 on 15165 at 1355-2155 (BECMS) 15165 USB. Trying to get them off that pronto for Denmark's sake (Magnes) LN-12

OTHER SCHEDULES

BANGLADESH (Cf Aug LN-2) Here is the complete R. Bangla-
desh sked, including some differences in English;
0445-0515 EG 21685 17890 ME, India, Pakistan 1400-1500 UR 15530 11890 India & Pakistan
15402 1500-1530 PJ 15530 11890 India & Pakistan
0515-0545 AR 17890 15402 ME 1600-1630 HD 11620 9495 India
1115-1145 NP 9615 9500 Nepal 1645-1815 BN 11620 9495 Europe
1230-1300 EG 17890 15520 Europe 1815-1915 EG 11620 9495 Europe
1340-1400 PS 15530 11890 Pakistan (sic) (BEGMS 6/77) ANDORRA LN-2

BOLIVIA Amendments to the World Radio TV Handbook 1977, compiled by Tony Jones, Paraguay, }
3340 GP99 R. Viloco (Viloco, La Paz) 1000-0400 irregular as of 21/7 }
3380 CP167 R. Cumbre (Casma, Rosario, Potosí) now operating with split schedule; 1100-? and
2200-0400 (Sundays, 2200-0300)
3390 CP165 R. Camargo (Camargo, Chuquisaca) 2245-0300; Addr.: Cajón Postal 9, Camargo.
3440 CP183 R. 27 de Diciembre 2100-0200v; Sundays, 2200-0100
3465 CP114 R. San Miguel (Riberalta, Beni) 1100-0200; 3460 nominal
3480v R. Alfonso Padilla Vega 2215-0230
4140v R. E. Comarapa 2230-0300; 3958 nominal; Addr: Alcaldía Municipal, Comarapa,
Santa Cruz
4425 R. Paitití inactive (not heard since Easter)
4490v R. San Matías (San Matías, Santa Cruz) 2230-0230, currently inactive
4600v CP147 R. Mamoré, varies up to 4630; on new 4815 on 25/7
4695v CP117 R. Riberalta 1100-0330v
4755v CP62 R. E. Bolivia 0900-0400
4775 CP128 R. Trópico Sunday transmission ends at 0100 (Monday GMT)
4775 CP84 R. Los Andes 1100-0400 (Sundays, 1100-2400v)
4797v R. Nueva América Sunday transmission ends at 0200 (Mon GMT); Daily s/on is 1030
4805 CP131 R. Frontera (Yaculiba) irr. s/on is 1100 Mon-Sat; 1200 Sun; s/off not known
4808 CP168 R. La Voz de la Frontera (Puerto Suárez, Santa Cruz) 1000-0400v, currently in-
active (//1060 MW)
4823 R. Grigotá, Sunday to 0015 (Mon GMT); German; Sats: 2230-2330
4845 R. Fides inactive
4875 GP75 R. La Cruz del Sur Mon-Fri: 0930(1000 nominal)-1800 and 2230-0330; Sat 1000-
1800 and 2230-0300; Sun 1000-0200, German; Mon: GMT) 0115-0130, Eng 0130-0200
4886v R. Sararenda weekdays 1100-0400; Sun 1200-0300
4915 R. Amoré 1000-0430 (Sun 1000-2400)
4938 R. Norte Mon-Fri 1100-1800 and 2100-0400; Sat 1100-0400; Sun 1200-0300
4965 CP163 R. Ánimas inactive -- not heard at all during 1977
4979v GP98 R. Juan XXIII (San Ignacio de Velasco) (4965 nominal) 1000-1630, 1830-2100, 2230
-0130; Sun 1100-1630, 2230-0130. Announces //CP126, 1450 MW
4980 CP162 R. Batallón Topáter (ex-4860) 0900(Sun 1100)-0400
5005 CP48 R. Univerzo (5015 nominal) 1000-0330 (Sundays to 0300, Mon GMT)
5020 R. 2 de Febrero (Rurrenabaque, Beni) 1100-0200
5055 R. San Rafael has been inactive for a very long time; announces only 1300 MW
5312 R. Roboré (Roboré, Santa Cruz) 1100-0300 (Sun 1100-2400) Announces //1410 MW
5582 R. San José (San José de Chiquitos, Santa Cruz) (nom. 5585) 1130-0300(Sun -1600)
5955 R. Pío Doce (Siglo Veinte, Potosí) irregular, but definitely reactivated
5965 R. Nacional Huanuni 0930-0430 Addr: Calle Sucre, Huanuni, Oruro
6005 GP58 R. Progreso (La Paz) 1100-0600 (0900-0600 on Medium Wave)
6034 R. Panamericana 1030 (Sun 1100)-2430
6069 R. El Cóndor (Oruro) 1000-0500
6082 R. 21 de Diciembre (Catavi, Potosí) currently irregular
9607 R. Piraf irregular (BEGMS: obs 13/7 after month's absence)

BRAZIL Amendments to the World Radio TV Handbook 1977, by Tony Jones, Paraguay, as of 21/7;
Time zones: Acre, GMT-5; Amazonas, Mato Grosso, Rondônia, Roraima, GMT-4; others on GMT-3.
2380 R. Educadora de Linserra weekdays 0800-0500; Sundays 0800-0300
2450 R. Cultura de Aracatuba 0830-0400
2470 R. Cacique de Sorocaba daily to 0400; s/on time not known
3245 R. Clube, Vargilha 0930-0130
3255 R. Dif. Uberlândia 0800-0300 4839 R. Dif. Roraima, s/on 0900
3335 R. Alvorada (Londrina) 0800-0300; Sun 1000-0200 4895 R. Cultura da Bahia, *0800
3345 R. Educadora Uberlândia 0800-0400; Sun 0900-0300 4915 R. Anhanguera Sun 1000-0400;
3385 R. Congonhas 0855-0100 other days is 0900-0400
3410 R. Educadora de Napuri 1000-0400; Sun 1000-0300 4935 R. Capixaba, *0730, not *1030
4765 R. Espírito Santo 0800-0400 4945 R. E. Rural, Petrolina *0800
4765v R. Rural, Santarém 0800-0400 15330 R. Gazeta, São Paulo, Sun,
4775 R. Cultura de Sergipe ex-3345 and public holidays; nominal
4775 R. A Voz do Oeste, Guaiabá, s/on 0900, not 1000 freq is 15325, but has been
4785 R. Brasil, Campinas, 0800-0500 on 15330 for at least two
4805 R. Itatiaia, 24 hours years.
4815 R. Dif. do Paraná 0800-0400 (Thanks, Tony! gh)

CONGO A check of Brazzaville on 20/7 showed an extension from 2300 to 0100 on 15190 and 4765 (BECMS) more CHILE: On new 9581 21/7 0230 SP, 0250 FR, 0310 EG (BECMS)

CHILE Amendments to the WRTVH 77: 5955, R. Nuevo Mundo, irregular; 6100, R. Calama, s/on is now 1100 (ex-1200); 9630, R. Agricultura (Santiago), 10 kW, active since 9/4/77, daily fide-in (not sign-on) at 1200 (Tony Jones, Paraguay, 21/7) La Vos de Chile monitored 12/7 on new 11825, at 1305-1516: 1305-1325 EG, 1330-1350 SP, 1350-1410 RS, 1410-1425 FR, 1430-1450 EG, 1450-1510 SP (BECMS) CYPRUS, DENMARK, ECUADOR LN-2

ECUADOR Amendments to the WRTVH 77: 3325, Ondas Quevedñas, is 24 hours; 4850, Canal Juvenil—location not known, but Giacomo Perolo, São Paulo, says it's in Loja (Tony Jones, 21/7)

ETHIOPIA R. Voice of Revolutionary Ethiopia has again retimed its programs, confirmed by monitoring 18/7: 1200-1300 SM, 1300-1400 AF, 1400-1500 AR, 1500-1600 EG, 1600-1700 AH, 1700-1730 FR. On 6015/7180 (BECMS) Keep looking for it in WNA as just before sunrise. Sunset in Addis during September should be around 1530 (gh)

FRANCE R. France International (note: use this as a rough guide only, as there may have been considerable frequency changes 4 Sept; also as from 25/9 some pgs may be one hour later due to standard time, e.g. EG to 1705 -gh) to Europe: 0500-2000 FR, experimental relay of DS (domestic service) "France-Inter" and "France Culture" to Central and Eastern Europe on varying frequencies in the 11, 9, 7 and 6 MHz bands. 0600-2015 FR, relay of France-Inter on 6175, and from 1700 on 3965. 1700-1800 GM 6145 6010; 2000-2100 PT 9595 7135 5985; 2100-2200 SP 5995. To Americas: France-Inter relay 1100-1600 17780 15440 15265. To Antarctica: 0745-0845 Monday FR on 21730. To Africa: 0400-2130 FR, exc. 1605-1655 EG:

21620 07-16	17850 15*16	17720 16-19	15210 16-19	11860 18-20½	9695 20½-21½	9510 04-06
21580 11-15	16-19	15425 17-21½	15200 16-19	11780 04-05	9660 06-07	9505 20½-21½
	15*16	17800 05-08	15360 17-20½	15155 06-17	11745 04-08	9630 19-20½
	16-19	15*16	15315 05-17	15135 05-07	11735 06-10	9560 04-05 *Sunday only
17865 08-14	16-19	15300 08-09	11965 17-20½	11730 04-06	9550 19-20½	
17860 14-18	17720 11-15	09*10	11930 19-21½	11705 05-08	9540 06-08	
17850 11-15	15*16	10-21½	11890 19-21½	19-21½		(BECMS 7/77)

GREECE VOG has added a 50-min pgm in GK (this is much better than GR, which could be taken for German, Guarani, or even Gujarati! gh) to Australia at 2200 on 9655; 2300-2350 GK/SP to Panama Zone follows on 9655 ex-9750. Other changes: 1130-1150 AR for Egypt/Libya on 11760 ex-7215; 1715-1750 GK/RS to USSR, 9690 ex-9715 (BECMS 28/7) These may give us a hint of the further changes as of 4/9 (gh) IRAQ LN-2 ISRAEL LN-2, LN-12

ITALY RAI's sked rarely gets into LN because it changes so little, and is issued so late each season. One frequency strikes me as new, however, 15240, at 2230-0100 IT to Americas; 0100-0120 SP, 0120-0135 PT. (gh from RAI via BECMS 6/77)

JIBUTI Monitoring 30/6-12/7 showed the evening span on 4780 to be 1600-1900, one hour ea. of SM, AR, AF (Afar, I declare -gh) (BECMS 28/7)

KOREA SOUTH R. Korea heard regularly on 7550 at *1500-1730* with KR 1500, AR 1700. Once on 15/6 heard on 9448 at 1010 EG, 1030-1100 SP, 1310 FR. Announcement from station says KR is sked at 1530-1600, 1730-1800, 2030-2100, 2200-2230, 0530-0600, 0700-0730, 0930-1000, all on 7150/9580/9640/9665/9675/9720; at 0000-0030, 0130-0200 on 6135/7150/9665/11850; and at 1500-1700 on 7145 (Isao Ugura, FE DX Review 27/6) KR at 0330-0400, 0800-0830 dropped. 1500-1700 on 7550 is to ME. AR at 1230-1245 now extended to 1300 (BECMS 21/7) (7)

LEBANON R. Lebanon AR DS HF relays obs: 5980 0355-0730, 1700-2010; 9550 1045-1630 (BECMS 28)

LIBYA On 23/7, The Arab Peoples' Socialist Jamahiriya (I believe this word just means "United", so why do they keep it in AR? gh) Broadcasting Corporation began using powerful new transmitters, relaying the DS at 0430-1900, and the ES (external service) "Voice of the Arab Homeland" at 1900-0100. The announced target areas: Egypt, Ethiopia, the two Yemens, Saudi Arabia, Qatar, Muscat and Oman on 15100 until 1600, then 11700. The Arab East, 11700 until 1600, then 9500. The Arab Maghrib and SW Europe, 9500 until 1600, then 6100. (BECMS 28/7) The sked seems to have settled down; targets are the Arab East, SE Asia, Europe, and North America: 1100-1600 15100/11700/9650/9500; 1600-2200 11700/9650/9500/6100; and to NAm at 2200-0100 on 9500 (BBC World Radio Club 10/8--the date I was knighted, as Burton'd say)

MADAGASCAR R. Mad sends this sked with a QSL: (MY now stands for Malagasy -gh) MY at 0300-0600 2495/3288/5010/6135/7155; 0600-1300 5010/6135/7155; 1300-1500 7155/5010; 1300-1900 on 2495/3288. FR 1900-2100 2495/3288. Powers: 2495-10 kW, 3288-100, 5010-4, 6135-30, 7155-5 (Bob Padula, August ADXN) see also TRISTAN, LN-12 NIGARAGUA LN-12

PARAGUAY WRTVH Amendments: 6025, R. Nacional (Asunción), 1000-1800, 2100-0300. 6110, R. Caritas, has Japanese on SW only at 1005-1230; new Director: Padre Francisco Javier Vidaurreta. (Tony Jones, 21/7)

PERU Amendments to the WRTVH 77: 4840 R. Andahuaylas, 1000-0300
3240/6010/9510 (ex-9505) R. America, 1000-0600 4955 R. Cultural Amata, 0300* ex-0200*
3300 Ondas del Huallaga, ex-3330 5015 R. Juliana 1000-0500

(continued...)

PERU (continued)

5055 Onda Imperial (Cusco) 1055-0200 (Sun -2230) 5950 R. Araquipa 1045-0400 (ex-0430)
 5125 new R. Agricultura, location unknown 5970 R. El Sol 1030-0530
 5300 new R. Los Andes (Pasapas, Dpto. Huancavelica) 6020 R. Victoria 1000(Sun 1100)-0600
 5815 R. La Voz del Altiplano (Puno) 1000-0400, nominal 5960 (Tony Jones, Paraguay, 21/7)

SRI LANKA Tentative SLEB 877 sked (effective 4 Sept.) 11835 0030-1730 100 350
 6005 0030-1030 10kHz ND 7190 0030-1730 10 3500 *15129 1030-1130 100 30
 6075 0230-1730 10 ND (ND = 9720 0030-0430 35 350 (*15129 15120 0430-0830 100 350
 6075 1100-1730 10 3500 non- 9720 1230-1730 35 350 may be 15425 0030-0430 100 350
 6130 0230-1030 10 ND direc- 9720 1900-2000 35 350 typo for 15425 1230-1730 100 350
 6150 0300-1030 10 ND tional) 11800 1900-2000 100 312 15120) 17850 1030-1130 35 80
 6185 0300-1030 10 ND 11800 1030-1130 100 322 (Adrian Peterson, India, ADXN 8)
 The 3500 beam eventually cuts across Ontario, Wisconsin, Illinois, Missouri, Arkansas, and Louisiana, auroral zone permitting (gh)

SAUDI ARABIA, SENEGAL LN-12

SUDAN Per QSL letter from Ali M. Ali, Public & International Relations Dept., R. Omdurman operates 0400-2200 on 4994 (5039), 6150, 7120 (7200), 9505, and 11835. Sked thus the same as always, tho includes these pgms: "The Holy Koran Service" 1330-1530; "The Voice of the Sudanese Nation" 1600-2100; "The Expatriates Service" 2100-2200; all on 4994 (5039) and the first two also on 6150. Address still Box 572, but varie signed J. Brown De (Dave Sarrazin, Denver CO) I believe the non-underlined 4994 and 7120 are imaginary (gh)

TAIWAN The Tom Overcamp keeps getting "Free China Monthly" with VOPC skes lacking the 0000-0900 block, ECG provided this to BECMS, evidence of its great expansion, but, sadly, likely partially outdated now with 877 underway:

0000-0100	AY SEAs 17720 15225	0500-0700	CN SEAs 17800 15125	1300-1400	AY K & J 11860 11825
	11915 9575 7130 5980		11860 9600		11745 9510 7130
	CN SEAs 15125 11860	0600-0700	IN SEAs 17720 15425		VT SEAs 17720 15225
	9765		15225 11915 9575 7130 5980		11915
	MN Nam/AuAs 17890		VT SEAs 17890 15345	1330-1400	MN SEAs 9575
	15425 15345 11825		11825	1400-1500	MN SEAs 17890 9685
0100-0200	CC SEAs 15125 11860	0900-1000	AY SEAs 17720 15225		JP K & J 11860 11825
	9765		11915		11745 9510 7130
	EG Nam/AuAs 17890		MN K & J 11860 11825		TH SEAs 17720 15225
	15425 15345 11825		11745 9510 7130		11915
	HK SEAs 17720 15225	0900-1200	MN SEAs 17890 17800	1830-1930	AR Af/ME 17720 9510
	11915 9575 7130 5980		9685 9600		15225 11860 9600
0200-0300	CN Nam/AuAs 17890	1000-1100	HK SEAs 17720 15225	1930-2130	FR Af/ME/Sar 17720
	15345 11825		11915		15225 11860 9600 9510
	IN SEAs 9575 7130		KR K & J 11860 11825	2040-2140	MN Nam/AuAs 17890
	5980		9510 7130		11825 9685
0300-0350	EG Nam/AuAs 17890		MN K & J 11745	2140-2240	EG Nam/AuAs 17890
	15345 11825	1100-1200	MN SEAs 17720 15225		11825 9685
0400-0500	AY SEAs 17720 15225		11915	2230-2330	KR K & J 9575 7130
	11915 9575 7130 5980		JP K & J 11860 11825	2250-2350	MN SEAs 17890 15425
	CC SEAs 17890 15425		11745 9510 7130		15345 11825
	15345 11825	1200-1300	MN K & J 11860 11825	2300-2350	SP SAAs 17800 17720
	MN SEAs 17800 15125		9510 7130		15225 11860 9600 9510
	11860 9600		CC SEAs 17720 15225		(BECMS 7/77) CC now means
0500-0600	HK SEAs 17720 15225		11915		the Chanchou dialect of Chi-
	11915 9575 7130 5980		CN K & J 11745		nese; HK--Hakka. Here, K & J
	TH SEAs 17890 15425	1200-1400	CN SEAs 17890 17800		means Korea and Japan (gh)
	15345 11825		9685 9600		<u>URUGUAY LN-12</u>

USA WYFR 877 to the Americas: SP 0200-0500 9715 5985 9555 9525 ex-11855
 SP Sun 1300-1551 17730 15440 11705 ex-15150 EG 0100-0500 6155
 rest daily 21-23 15130 17875 ex-15135 RS 2300-2400 15130 ex-15135
 2300-0100 11855 11875 15215 ex-15440 GM 0000-0100 15130 ex-15135
 0100-0200 11875 11855 15215 9525 (via Chuck Self, Roseville MN)
 ex-15440

USSR R. Moscu to Cuba/GAs in SP 2330-0400 including changes as from August 1; (UHN)
 5905 Minsk (Serpukhov) (feeder) 7390 Moscow (Vinnitsa) 9745 Moscow (Plovdiv)
 7150 Serpukhov (Simferopol') 0200- 9470 Moscow 9760 Tbilisi (Yerevan)
 7230 Kiev 9600 Moscow (Simferopol') 9810 Moscow (Kalinin) 0200-
 R. Leningrad's 2230-2330 Friday broadcast in RS for seamen is currently observed on 9560 ex-5990 //6200 (BECMS 21/7)

VENEZUELA Amendments to WRIVH 77: 3395, R. Universidad, Merida, 1000-0400; 4820, R. Tricolor, now on 24-hour schedule (Tony Jones, Paraguay, 21/7)

CLANDESTINE CRANNY

Established clandestines keep dying voluntarily, saying their mission has been accomplished:

RADIO ESPAÑA INDEPENDIENTE It was announced in the 1200-1400 transmission on 14/7 of this anti-Franco radio that "the Spanish Communist Party has decided that REI should suspend its broadcasts because it considers that its mission has been accomplished...". The announcement added that the radio started 36 years ago and had made 108,300 broadcasts.

Monitoring confirmed that the main REI broadcasts at 0600-0800, 1200-1400 and 1600-2330 carried by four transmitters probably in Romania, on out-of-band high frequencies, had ceased at 2330 14/7 at the end of the scheduled evening programmes.

REI is believed to have started in 1941 from transmitters in the USSR, but later moved to east Europe. For many years the programmes were entirely in Spanish, but material in Catalan on Mondays, Galician on Wednesdays and Basque on Fridays was added at a later stage.

In 1970, two 20-minute broadcasts, announced as "Surprise programmes on flying wavelengths", were introduced. Initially they were on channels used at other times by Radio Budapest, but subsequently these broadcasts on a single in-band HF appeared to emanate from a site in Bulgaria. (later to below: the Sofia repeats lasted only a few days-MJC & AS WDXG)

These broadcasts of a non-controversial nature continue to be heard at 1235-1255 and 2005-2025 (not Sun) on 15365 and 15185 respectively. They were begun since the recent dispute between the USSR and the Spanish Communist Party over Eurocommunism. (BECMS 21/7 and 28/7)

Voice of Free Sahara, Polasario Front program via Algiers formerly at 1900-2000, has not been located, although it was previously announced that it would be retimed to '11 p.m.' (2100 GMT). On Algiers facilities instead at 1900-2000, an hour earlier than previously is the Spanish program "Voice of the Free Canary Islands" presented by MPALAC (Movimiento Para la Auto-Determinación e Independencia del Archipiélago de Canarias), observed on LW 251 kHz, but the announced HF 11910 and 9610 have not been confirmed. Ditto the Algiers program in Spanish at 2000-2100, announced as on 15420, 11910, 9610 and 7245 kHz (BECMS 28/7)

ANGOLA Recent monitoring and Luanda program previews show that the African National Congress "Voice of Freedom" and SWAPO's "Voice of Namibia" are transmitted respectively in Luanda's "B" programme at 1740-1810 and 1830-1930, announced as on 4820/3375. A daily MPLA "Fighting Angola" broadcast in the 'A' pgn at 1800-1830 is repeated in 'B' the next day at 0430-0500. Announced frequencies for the 'A' pgn are 9535/7245 (BECMS 21/7)

Voice of Palestine, Voice of the Palestine Revolution, a Baghdad radio DS pgn, has been reduced by one hour from 1830-2030 to 1930-2030 daily (BECMS 4/8)

Voice of the Revolutionary Party for Reunification, 9770, *1000 in EG, fair; heard intermittently since April, last on 11/6. Also hrd in PT after RN Bonaire s/off; SP at 0930 (Dave Webber, NZ, NZ DX Times) That's what the item said; it strikes me as odd that VRPR would find Portuguese and Spanish relevant to its cause. Perhaps editor merged with other item? This is the North Korean station on a previously unreported frequency (gh)

Britain Radio International Staff of station: Steve Joens, John Shepherd, Norman and Jeany. BRI started Sun 12th Sept 76 using 6 watt xmttr; the following Sunday, 10 watts, the third Sunday and subsequently, 50 W. A half-wave dipole with one reflector and one director was used at first but with the 50 W output the half wave dipole is used by itself. BRI used 6265 kHz and received reports from Norway, Sweden, East & West Germany, Holland, France, Italy, the four UKOGBANI countries. BRI has now closed down through choice, not necessity, but hopes to re-appear and info will be announced in the bulletin Free Radio Focus (WDXC)

A test from an unspecified European pirate was scheduled for 14/8 at 0400-0600, on 6260 kHz, using 200 watts ERP, hoping for reception in NAM (Mark King, Free Radio Focus via Bill Whitacre, GLDXA)

FUTURE PLANS

BRAZIL R. Rural Brasileira, Rio, presently controlled by Ministry of Agriculture, is to be transferred to the Ministry of Communications and "Radiobras". An inventory commission is to be appointed to take over the station before the transfer is made. Another such commission will be appointed to take over R. Ministério Educação e Cultura, operating in Brasília and Rio before it is transferred to MinCom. "Radiobras" has already taken control of R. Nacional de Rio, R. Ipanema and R. Nacional de Roraima (Jornal do Brasil, Rio, 22/7, via BECMS) more on LN-2

CAMEROON R. Garoua is expected to start English programming as early as November 1977 (Jim Achanyi Fontem, R. Garoua correspondent for R. Yaoundé, via Bobby Hobbs, Rocky Mount NC)

ECUADOR HGJB's hydroelectric plant at Papallacta was shut down in January because of a mechanical problem. Engineers repaired it temporarily but a major overhaul of the turbine will be necessary at a future date. All the towers for the steerable antenna have now been erected and work is going ahead on the final development of the feed. Soon the construction of the reflector, which will be supported by the eight towers, will begin. Some dangerous and difficult work will be involved. Please pray for Jim and Karen Heck, and pray for the 500,000 watt transmitter being built in Elkhart IN. There will be four World Radio Tours in 1978, a chance to see HGJB in person. The dates are: Jan 8-21, Apr 16-29, July 16-29, Oct 15-28, 1978. For details write HGJB, Box 3000, Opa-Locka FL 33055 (HGJB Radio Log July-Aug)

EQUATORIAL GUINEA A 50-kW transmitter is being installed at Bata, with primary frequency of 6120 for WAF coverage. Other available freqs, for Af/Eu at 0530-0700 and 2130-0100 are 7150 7190, 9555, 9545, 11715, 11895, 15110, 15190 (IFRB 28/6 via Roger Legge, VA)

GERMANY WEST DW is planning expansion. A new broadcasting house is being built in Cologne. The facility will consist of three towers, the tallest of which will be 136m high. The other two will be 120m and 86m high. The new building will give DW about 600 rooms and about 60 studios (Jeff White, IL, RIB 16/8) Hopefully DW's 1300 employees will be able to move into their new complex in about two years. Construction of the complex, with a price tag of over DM 200,000,000, was started in the Cologne suburb of Raderberg in March 1974. (DW Halle Friends via Charley Hoffman, PA)

JAPAN Japanese government officials indicate plans of R. Japan to build relay bases in the Mediterranean and Caribbean areas, to improve reception in Europe and the eastern US (Nobuaki Takahashi, SCDX 12/7) Whoopie! A long overdue improvement. They need a Caribbean relay a heck of a lot more than DW or the BBC! (Glenn Hauser, RIB 16/8) **LIBERIA NETH AMTS** LN 12

NORWAY R. Norway announced on 31/7 that they are going to expand transmitter facilities, at two new sites, in two stages. First, two 500 kW xtrs will be installed and ready by the end of 1979. Another three 500 kW xtrs will be installed three years from now. They will continue to use their present sites. They noted that it is a test for reactions, etc. I'm not sure what they meant by that (Robbie Berzowski, Calgary, Alta.) A trial balloon? (gh)

Work has already started on roads, drains and power supply at the Kvitsøy site, in Rogaland, where two 500-kW HF xtrs will be erected. Per Mortensen, a director of Teledirektorat, said Parliament had allocated 14,000,000 kroner from the current year's budget--out of a total estimated cost of 160,000,000 kroner--for the new installation. Building work at Kvitsøy and Svejo, which will also have three HF xtrs, will probably take three years to be completed (R. Norway pga brochure, translated by BECMS 28/7)

OMAN Six of the masts at the new BEC SW stn at Masirah were blown down by the June cyclone, putting back the starting date by several months. It had been due to come into operation in September (Ariel--BEC staff newspaper, via WDXC) These will not be on until early spring 1978, nor will the 700 kHz transmitter (BEC WRC 17/8) Unfortunately, these SW xtrs will not be available to substitute for transmitters off the air now, as they are being moved from Malaysia to Singapore (Letterbox 13/8 via gh)

PHILIPPINES FEBC's Iba site is used on SW for RS xmsns only, but they are planning to build a corner reflector beamed to the south, for Indonesia with the same xtr. There is one 100 kW xtr at Iba and room for two 50 kW xtrs to be relocated from Bocaue, where there are now five 50 kW xtrs and no room for expansion (Dense Lynneberg, Philippines, NZ DX Times July)

Saipan (Cf Aug LN-7) In addition to the MW, "...two powerful 100,000 watt SW xtrs will concentrate their beams on Japan, China and Russia." (FEBE News and Views, 4/77 via Gerry Bishop, PA) No target date or frequencies available as yet for SW (Bob Padula, 30/7) The SW transmitters won't be in use for one or two years (Dense Lynneberg, Philippines, NZ DXT)

ST. PIERRE & MIQUELON Per the Montreal Gazette, R. France is building a high-power transmitter to beam France-Culture pgms to Québec and Acadia (MW Distance 3/77) Sounds like either SW or balderdash (Charlie Taylor, IRCA DXW II) Well, 1375 kHz with only 4 kW over salt-water path can already be heard in much of Acadia all day long (gh, Nova Scotia)

UNITED ARAB EMIRATES Dubai's commercial radio station is being expanded. The Director-General of DRT says it is being supplied with two 750 kW MF as well as "powerful SW" transmitters and other equipment by the Marconi Company of Britain under a five-and-a-half million pound contract. They would make it possible for the radio to be heard clearly in the ME, part of Naf and SEu and the Indian sub-continent. The station would continue to broadcast 21 hours of Arabic and 8 hours of English programmes each day, providing competition to the only other Arabic commercial station, Monte Carlo (Jordan Times 29/7 via BECMS)

UNITED KINGDOM The Central Policy Review Staff, a high-level "Think Tank" of the British Government, has recommended major cutbacks in the BBC's External Services. This would include closing down all BEC services between 2000 and 0400 GMT and terminating most services to other than communist or developing nations.

Reaction in Britain among politicians and newspapers has been negative. Nevertheless, the report could indicate that some reduction in the BEC External Services is very possible. The Think Tank's recommending shutdown between 2000 and 0400 indicates that the North American listener is not considered consequential. We should try to convince them otherwise, or we might be deprived of what is considered the best shortwave service available.

I called Richard Somerset-Ward of the BBC's New York office. He advised that letters of concern and support for the BEC should be sent to none other than the Prime Minister, so here is the address; the letter should begin "Dear Mr. Prime Minister:"

The Right Honourable James Callaghan, M.P., Prime Minister
First Lord of the Treasury and Minister for the Civil Service
Ten Downing Street
London SW1

When writing, please stress the importance of the BEC to the U.S. listener in providing a service of news and entertainment not available domestically. You might add that the BBC World Service has earned the friendship and respect of many U.S. listeners. (Kim Andrew Elliott, Washington DC) Further coverage of this vital issue is to be found in the August issue of Review of International Broadcasting; see PUBLICATIONS(gh) The clipping at right is from the London Economist, Aug. 12, via John L. Rouse, MD. For BEC's reaction, LN-12

Think-tank and the BBC

Think small

The BBC's external services get a pat on the back in the report by the British government's "think-tank" (see page 13), which calls them "a success story for the United Kingdom". Yet in the same breath the report recommends that their programme hours be cut by 40%, in return for a saving of not more than 10% on operational costs. The main recommendations are:

1. The abolition of broadcasting in all European languages except those of communist-ruled eastern Europe.

2. Outside Europe, the abolition of broadcasts in Japanese, Burmese and Somali, and the halving of broadcasts in Arabic and in Spanish for Latin America.

3. An end to all broadcasting to Australia, New Zealand, Canada and the United States.

4. A complete shutdown of all broadcasting from Bush House, the external services' headquarters, between 8pm and 1am each day, which would mean that the world service in English would cease to be a round-the-clock operation.

5. The scrapping of a third of all radio transmitters in Britain.

These recommendations are based on the proposition that the only areas which still need the BBC as the provider of factual, unbiased information are the communist world and parts of the third world. But what about, say, southern Europe? No need to worry, says the think tank, because there is no evidence that the BBC has any influence on political developments there; and the BBC could always resume broadcasting if it was found to be desirable.

This is rubbish. There is plenty of evidence that the BBC has an influence in Portugal, Spain, Greece and the other south European countries. It is not true that a broadcasting service can be taken out of mothballs in a jiffy in response to a sudden political need. Such a Lazarus-service would anyway be regarded with suspicion as a propagandist response by the British government to a new situation and would therefore be less effective than an on-going service with a regular audience.

The think-tank's claim that the cuts would make money available to improve the "audibility" of the surviving services is not a sufficient defence. The report is also wrong to pooh-pooh the BBC's imaginative plan for a trilingual Euro-service from London in co-operation with France and West Germany, something the EEC could do with.

Outside Europe, in areas to which the report rightly attaches a lot of importance, its proposals for a reduction in broadcasting hours from Bush House could lose the BBC large audiences. The 8pm-1am closure would put an end to the large breakfast-time audiences for the BBC's English and vernacular broadcasts in Asia from the Gulf to Tokyo, in eastern and central Africa and also in large parts of the Soviet Union. Peak-time evening listening in Latin America, in huge areas of Africa and in central and southern Europe would also suffer. Meanwhile a lot of expensive transmitters would be lying idle. More think, less tank, please.

PUBLICATIONS Review of International Broadcasting was a double-size 40-page issue in August, still available as a sample for \$1 US (\$2 or 10 IRCs international air). While RIB is growing steadily, there are still hundreds of NASWA members who have not checked into it. I'm convinced if you like FRENDX, you'll like RIB even more! In this issue, a 4-page spotlight on RGI; 12 pages of listener insights on programming from Albania to Zaire, including a section on music via SW; brief articles on other topics such as VOA Monitoring, Interference Tolerance, TV-DXing, gh's visits to WINB, WYFR and RGI. A center spread of selected broadcasts in graph form, by John Wegener. Debunking popularity polls; discussions of terminology; Romantic, Closet SWLs and Classical DXers; a listing of another 48 clippings related to international broadcasting, which may be ordered separately for xerox costs; a page and a half of "Don't You Believe", and two and a half pages of DX News items, many of them scooping this issue of FRENDX. Or you can subscribe @ 12 issues for \$6.00 first class/surface; \$11 international airmail, before prices have to go up. Available only, directly from Glenn Hauser, address on page LN-1.

International Radio Broadcast Listening in the United States: A Survey of the North American Shortwave Association. Kim Andrew Elliott's M.A. thesis for the University of Minnesota, June 1977, in which you may have participated. It covers the 1976 survey of NASWA membership and examines the role of the DX organization in U.S. SWling. 180 pages. No copies are for sale, but it may be obtainable through interlibrary loan at some libraries (Elliott) Another pub. at bottom LN-12

Far Eastern DX Review is including more illustrations. The June issue had 10 excellent DX photos of Chinese TV, and reproductions of Russian and Korean program guides; an article on how to tell Thai and Lao apart; July issue had a Burmese cartoon, Korean radio ads, and in both as always the usual selection of carefully researched monitoring observations of FE radio. Published in limited editions. To contribute or subscribe, contact NASWA member Isao Ugusa, 1-3-10 Mikage-yamate, Higashinada, Kobe, 658, Japan (gh)

USSR High-Frequency Broadcast Newsletter (UHN) continues with monthly 4-page issues @ only \$3 for 12 issues. The August edition includes a complete frequency and site schedule for R. Moscow English to Af, S/SEAs, ANZ, and a study of how R. Moscow xmtr site designations change from season to season. Roger Legge, Box 232, McLean VA 22101 (gh)

DX Listening, my column in the Sept. Popular Electronics, includes a further survey of publications (gh)

Radio News, a German illustrated magazine, covers the subject of Mebo II broadcasts from Libya extensively. Postfach 420 224, D-1000 Berlin 42, W. Germany (SCDX 26/7)

Ex-Número Uno Members Association, the most elite of all DX groups, is now being organized by gh. Among those eligible to join are such notables as Ed Shaw, Richard Wood and Victor Coonstilleke. The extent of ENUMA depends on the enthusiasm of its members, but the possibilities are limitless—tee shirts, lapel pins, bumper stickers, certificates... All ex-NU members are welcome, whatever the reason for departure. But rejoining NU will be grounds for immediate expulsion from ENUMA. Contact gh.

MISCELÁNEA RADIAL

AUSTRALIA ABC's domestic service originating in Darwin is sometimes carried on SW for listeners in the Gove area when their MW stn is out of action. But the SW xman does not come from new facilities at Darwin, or Adelaide, which are still some time off! Instead, a standby transmitter at Lyndhurst, Victoria is fed Darwin programming via microwave for rebroadcast back to the NT. This happened 29/7 on 15125 at *2238-0202* This setup is available at short notice whenever the Darwin-Gove link fails (Bob Padula, Victoria) "8DR" via Lyndhurst heard on 6115 2315 28/7 to around 0300 29/7. Nothing noted on alternates of 11865 and 15175. There was a fault in a microwave repeater between Darwin and Gove between 5pm and 9am the next day, which also suspended all telephone traffic (Robert Jones, NSW, ADXN) (Cf Aug LN-6) Dr. Wood says RA on 9695 might be ex-9550, but I still hear 9550, with world news at 1200 (Ed Insinger NJ, 11/8)

AUSTRIA (Cf Aug LN-3) ORF's OOB freqs are in the fixed service bands. 12015 has the call-sign ORF43, and is registered for the Austrian PIT. 5925 is not listed, but 5905 is ORF25 (Bob Padula, ADXN) ORF annexed two OOB frequencies 'so as to make itself better heard.' ORF External Service head Alfred Macher said they were following the example of Peking, Tiran, RBG, Nederland, due to congestion in-band. 5925 is also used at 1300-1500 (Wiener Kurier, 26/7 via BEGMS)

BRAZIL Harmonics are a nuisance, but when heard from overseas are interesting. On 2460, R Educador do Rio Doce has been heard in Europe, 2 x 1230. R. Rural Santarém alternates steadily between 4765 and 4772, one day to the next; noted at 0300 on 4772 one day (Jan Tunér, NW DX Juke Box 11/8)

BURMA Per Jan FRIENDX, the Rangoon DX Club would issue a special QSL for BES reception reports to a certain date. I sent one via registered mail with 3 IRCs. I waited until April 8 or 9 before filing a complaint with the PC. I'm still waiting for followup results. Were there similar experiences by any of our members? (Poppin, CA, 28/7) CAMEROON, CHINA LN-2

CONGO Listening to RTVC on 4765, 2/8 at 0038-0042, I became aware of breaks in xman, which with my AVC time constant, lasted about 1.3 seconds. They continued randomly through 0046, and occasionally later. Monitoring the receiver IF with a scope showed no break in the carrier, and no spikes as with lightning discharges. None occurred during periods of talk, discussion, news. So, I think RTVC has an intermittent in their turntable system. It makes for a very distinctive 'station signature' (Bill McMullen, Ann Arbor MI) 'For how long? (gh)

COOK ISLANDS Rarotonga was back on 5045 10/7 with RA nx 0800, then pops. EG, TG; later on was missing (Robert Yeo, ADXN) Other ARDXL reporters had it here 16/7 and 18/7 to 0830*LN-2 (Bunn, Wellner, Seward) It is assumed when they are on 5045, they aren't on 3265 (gh)/CHILE

DOMINICAN REPUBLIC R. Clarín has vanished again from 11700, during most of the first three weeks in Aug. I suppose it's power supply problems again. But this time, they've also dropped the EG pgn on //4850 at 2330. Just as well off 11700, what with Libya and Vatican there (gh)

ECUADOR HQJB's annual correspondence report shows a total of 169,816 letters and reports arrived in 1976, from 131 countries. The Japanese Department received more letters than any other with 63,494 pieces of mail! Postage rates have more than doubled from Ecuador, ruining our budget! This will markedly affect correspondence follow-up. Pray for wisdom and provision of extra funds for answering over 14,000 letters monthly. Pray for Roger and Joyce Stubbs. (HQJE Radio Log July/August) I pray that the 500 kW xmr will put out fewer spurs than the 30s, 50s and 100s now in use. 31/7 at 0300, 9560 barely audible, but strong distorted FM spurs on 9695/9825. 2/8 15160 spurred on 15081 at 1657, stronger than Iran. 6/8 at 1330, 15155 was spurring at plus and minus 54 kHz, 15061 and 15169 (gh) Also heard last at same time, and by 1440 they had migrated to 15063, 15167; clear but 50% of signal level on 15115 (Hadley Cross, VA)

GUAM KTWB's antennae are TGI Model 811 curtains, one on 315°, the other on 285°. Both are steerable plus/minus 30°. Basic pattern thus extends from 245 to 360°. Xmtrs are Harris 100 kW units (Bob Padula, ADXN August) My arithmetic shows 255 to 245° (gh)

HAWAII/HAWAII (Cf July LN-8, Aug LN-8) The station reported as WVMW R. Nacional de Hawaii is no doubt the planned station 4VRD, R. National, Haiti, reported in SGDX 1428 to operate on 5975 and 9545 kHz (Andrew Grimling, GFR, SGDX 19/7) Obviously (gh)

ITALY Astonishingly, RAI hrd in EG 31/7 at 0305 on 18110. Years ago they had one to NAM at this hour. At 0310, they started to play a NAM service anat, then switched to one for the FE, giving all the wrong freqs. Apparently a total mixup--or a bode? (gh)

JORDAN Assam apparently with new 100 kW xmgr, good sigs in AR DS 0500-0520 on 11920 (Peter Bunn, RA DX 31/7) Due to jammers at *0330 and to RNE's new 7155 outst, Assam can be heard only on Sundays, approx. 2120-2332*, all in AR (Victor G. Jear, PQ, 27/7)

LIBERIA EXMA now on crowded 11835, AR at 2025; not to be confused with Algeria, often near this freq, nor Sudan, heard here in June around 1935 (Jear) LIBYA, MOROCCO LN-12

PARAGUAY Your report of 11472 kHz is ZFG15, Asunción, running 10 kW with signals beamed to (more)

Chile and Spain (Rick Matthew, Vancouver BC, quoting ITU listing) Your Primero de Marzo on 11472 was actually ANTELGO, using ZP7Ø as a marker. They also do this on various ute frequencies with R. Chaco Boreal. Caracas in this case is an entertainment network in Asunción--radio station, discotheque, and confitería--a kind of tea-shop (Tony Jones, Asunción) R. Primero de Marzo often heard on 20960 around 1000-1200 (Andrea Lawendel, Italy, May, PERU PLAY-DX) I'm glad to hear the station and don't really care if it's a ute relay (gh) LN-12

PHILIPPINES R. Australia via Poro:?? 23/7 at 0230-0245 on 17750, VOA was relaying RA-15270 at equal level with Dixon UN pgm (Robert Jones, NSW, ADXN) Per Goonstilleke this freq is Tinang, not Poro, but still... (gh) FEBC on rare QOB 9495, nom. 9505 at 1100-1400* in SEAs langs (Isaac Ugusa, FEDXR, 27/7)

PORTUGAL (?) RFE on a new freq: 11780 in Czech over jamming at 2312. The first NF I've hrd from RFE for several years; a change in policy? (Bob Padula, ADXN; 23/7) ;Stanley? (gh)

SPAIN EBC, San Fernando, heard with time signals 21/7 0959-1025 on 12008 (PG, PLAY-DX)

SYRIA Damascus heard on 15290 at 0235-0345 one day only in June, thanks to Richard Wood; had been listening to Argentina on freq, and recentlier, Australia 0300 (Victor Jaar, PQ)

TRISTAN DA CUNHA (Cf Feb LN-6) Tristan Radio was logged 22/5 on 3290 kHz at 2051-2115. Full ID was given several times, and the reception was poor, the power must be more than the listed 40 watts (Roland Schulze, Stuttgart, GFR, SCDX 12/7) Your DX-ed. is really impressed by this rare logging. As far as I know, Tristan has never been heard in Scandinavia, maybe not even in Europe, so maybe the one kW transmitter is now in use. What are other DXers hearing on 3290? (Ingemar Sandberg, substitute SCDX ed.) Answer: LN-12

UKOGBANI As of September, the BBC WS interval signal is to be Bow Bells rather than Oranges and Lemons (DX Party Line 28/7) Why? (gh)

URUGUAY SODRE, heard on 15273 regularly at weak but clear level with good modulation. IDs usually as "CX4" and lots of rock music by Eagles, Chicago, etc. Listed at 800 watts. Good always to VOA carrier *0120, e.g. 15/7 at 0034 (Terry Krueger, FL Tropical DXN)

USA Writer Saul Kohler of the Star-Ledger Washington Bureau reports the US position on jamming, according to Admiral Stansfield Turner, Director of central intelligence: "...if we start jamming the airwaves, we would start interfering with television, radio, pacemakers and the like." Turner also reported that the operations staff of the CIA HQ in McLean VA, is to be trimmed down by 800. (from the Star-Ledger, 10/8 via Ed Insinger, NJ, who adds:) Can one thus assume the US is not now engaged in pulsed and/or OTH scanning, etc.? gh: No, as it's pretty certain the purpose of that is not jamming. Turner appears to be a practical man, saying nothing about the morality of jamming by a 'free' society. More on LN-12

VENEZUELA R. Tricolor is back on 4820 after a long absence, best heard at 0600-0800. Also Ecos del Torbes is now on 9640 ex-6190 as announced on the station; it continues on 4980 where heard until 0400* (the first from Carl Beck, NY; the second from Agostino Pendo-la, Genova, Italy, in Sweden Calling DXers 16/8) I checked Torbes 18/8 around 1000, and found it still very much on 6190, with only DW to be heard on 9640 (gh)

ARGENTINA LN-11

DX PROGRAMS CANADA Since 21/8 your LN editor has been contributing a weekly 2 or 3 minute DX news report on RCI's Sunday "DX Digest". At last. NAM DXers have a way to get DX tips out fast, while they are news, via their favorite medium. Hot tips received by the previous Wednesday night will be considered for the report, but a selection must be made to fit the time available. You may phone me at home (615) 577-3741--please, no collect calls and no calls between 0400 and 1200 GMT. Or weekdays at WUOT, (615) 974-5375. Thanks to Ian McFarland for this opportunity: Also of interest is an SWL whose name seems to be Steven Fragal, appearing on "Morningside" each Monday around 1445 via the CBC NS, recounting some of the odd things he has recently heard on SW (gh) ECUADOR LN-11

GERMANY WEST DW's DX Editor gives this info on their DX pgms: One is in German and English on the 2nd Sat within "Unter Uns Gesagt" (i.e. 110 mins after start of xmsn -gh). In addition, the EG part is broadcast every 3rd Sat at the beginning of "Weekend Rendezvous" It includes a DX spot, and is beamed to Auls, S&SEAs. Also on 3rd Sats, in SP during the 2300-2430 broadcast to Lam (couldn't he be a bit more specific? gh). And on every Tue following 2nd Sat, during the JP pgm 1115-1215. (Oliver T. Goomawardena, Sri Lanka, 19/7)

MALTA AWR's French DX pgm, compiled by the Belgian "TELEX" group is hrd Sun 0730 on 9770 (John Mainland, NZ, via RA DX 7/8)

NETHERLANDS As from Nov, DX Juke Box will be cut to 15 min alternate weeks to accommodate a repeat of Dutch by Radio, for 26 weeks (Dick Speekman) ANTILLES "Rádio Atividade" has expanded to encompass the last 25mins of each PT xmsn on Thus, with more and more features. DX recordings, tips, answers to correspondence; host is Jacobo Bornstein (gh) Back to the English DX Jukebox--please be taping or listening carefully at the end of my report on the third Thursday in Sept, to see if you can ID Daniel Luce's unID at 0900 on 11745. The IS will be heard only once, and a portion of an anthem (gh)

PHILIPPINES The R. Veritas DX pgm, Mon at 1440, is now repeated Wed at 0140, on 11725/15280 (Jose Jacob, and Bijanki Ramakrishna, India, SCDX 2/8)

PORTUGAL R Portugal said on their 23/7 DX pgm that it is 'not up to the standards' their staff would like it to be. Plan to make some drastic changes in the near future," including DX tips from DX-club members. There's much room for improvement--during a recent 15-min DX pgm they played four Portuguese musical selections (Charley Hoffman, PA) I'd lost track that they were still (again?) doing a DX pgm! 23/7 was a Sat--did you mean Sat in NAm, or Sat GMT? It wasn't on at 0300 GMT Sun 21/8 when I checked; is it not weekly? (gh)

SWEDEN Even if you get SCDX in the mail, it doesn't hurt to listen. On 16/8 you would have heard George Wood interviewing a visiting NZ DXer (gh)

USSR Paul Kuznetsov, producer of Radio Moscow's DX Program, obviously gets SCDX in the mail since he has been stealing DX tips from it week after week, without any acknowledgement. The correspondence in choice of items and details within them is obvious, and once he even dared to claim they were 'monitored in Moscow'. Most embarrassing and disgusting, unless you're a Russian accustomed to stealing other people's accomplishments (gh) But see LN-12

ARGENTINA Due to poor reception for several weeks, I'd given up trying to get "DXismo Argentino al Mundo" on RAE, but when I could hear them Sat 20/8 at 2250-2315, the program was missing! (gh) Because of a fall in the level of DX activity, leading to a decrease in the amount of info available, this ADXCI-produced program has been changed from weekly to fortnightly, but on the same time sked as before: Wed 1919 11710; Thu 0119 9690 & at 0419; Sat 2303 11710, Sun 0208 9690. It will rebecome weekly as soon as there is any visible increase LA DX activity (ADXCI Mar-Aug issue) So 'on' weeks should be Sept. 7, 21, etc. (gh)

ECUADOR It's no surprise, but Roger Stubbs's SP "Programa DX" was also missing during Aug, at the previously sked time of Tue 0145-0200; as was his Eng-for-Japanese Sat at 1200-1225 on HCJB. The former is utterly replaced by gospel programming as if it never existed, while the latter carries an additional airing of 5/6 of DX Party Line (gh)

PROGRAM NEWS CANADA The providing a fine selection of other comedy cuts Sats 1530-1600 on the CBC NS 9625/11720, such as a tribute to Groucho the day after his death, the Royal Canadian Air Force itself is to resume Oct. 8 (gh)

FRANCE RFI sked to NAm issued 6 Mar, all in FR, and GMT times here will move to an hour later 25/9: 1055 Début; 1058 Inter Bourse ouverture; 1100-1200 "Inter Treize"--magazine d'informations; 1200-1500 "Le temps de vivre" de Jacques Prudel, Bernard Grand et Jean-Michel Desian; 1452 Cours de la bourse de Paris; 1500-1600 "Radioscope" interview d'une personnalité par Jacques Chancel; 1600 Flash d'informations et fin des émissions. Modifications pour le Week-End: Samedi 1200-1600 "L'oreille en coin", émission de variétés de Pierre Godeau et Jean Carretto; Dimanche 1200-1300 même, 1300-1600 "Sports et Musique", all from the France-Inter HS. In the African service, some of the special pgms are: "24 Heures en Afrique" 1215-1245 (Sat 1200-1245, Sun 1200-1225); and "Afrique Soir", 2000-2028; "Afrique Matin" 0500-0900 (Sat -0800, Sun -0730) (BBC MS 7/77 for Af; Robert Heckenlively, SD for Am)

HONDURAS All Honduran stations broadcast the same pgm in SP 0400-0415, consisting of military government info (Jean-Jacques Bloch, France, DSWCI 6/77) Handy. for // IDing (gh)

HUNGARY R. Budapest's "Report" segment closing the Wed 1200, Thu 0300, Fri 1030, 1430, 2130 Sat 0200, and opening the Fri 1200 xmas might be interesting this month; topics: week of Sept. 7, (Can Europe cooperate on energy, transport and the environment?); Sept. 14, (Is Hungary thinking of developing solar energy?); Sept. 21, (Are there sanctuaries and nature reserves?); Sept. 28, (Are many foreign authors published in Hungary? (gh, from Bud. Int'l)

LAOS Here is the HS sked for 6130 kHz of National Radio Laos, all sic, but here in GMT: 2230 Musics and songs, 2300 Local and foreign news, 2330 Army news, 0000 Local & Foreign news, 0030 National Construction, 0100 Emulation drive for National Development. At 0400, Army news, 0430 Local & Foreign news, 0500 Musics and songs, 0530 Local & Foreign news, 0600 Emulation drive for National Development. At 0900, Slow reading & Songs (not Sunday); 1000 Emergency announcement, 1030 Musics and songs, 1100 Local & Foreign news, 1130 National construction, 1200 Local & Foreign news, 1230 Army news, 1300 Musics & Songs, 1400 Local & Foreign news, 1430 Emulation drive for National Development (via Henry Rockwood, OH)

SOUTH AFRICA R. RSA has been plugging, even in its NAm svc, "Safari 77" each Sat from 1300 (?) in which listeners are asked to vote for the best recording artist (gh)

UKOGBANI Perhaps in deference to NAm listeners, BBC has turned 0330 into a 30-minute pgm block instead of 2 or 3 shorties designed for the eastern wake-up audience. Here's the Sept lineup at 0330: Sat, Bob Holness requests; Sun, Your Verdict back for a new season; Mon, Books and Writers and 0350 Voices to Remember; Tue, The Takeaway Man--the new comedy series about a male escort, which listeners picked last winter; Wed, Alistair Cooke's Jazzmen covering this month The Twelve Bar Blues, W.C. Handy, Jelly Roll Morton, Bix Beiderbecke, with a repeat each Wed. at 2030 and Fri 1430. Thu at 0330, documentaries: 8th, Making a Retreat 15th, The Orkneys, 22nd Antibiotics, 29th The Crown Agents. These also appear the previous

(UKOGBANI contd.) Wed at 1430, following Fri 2030, Fri 0330. On the Street where They Lived which is about London visits by famous composers--Dvorak, Johann Strauss Sr, Haydn, Puccini in this month's pgms, which are previously hrd Weds 1030, Thurs 1615. A fun program is Anguish by Radio, back for a new series Suns 0545, Tues 0145, Weds 1115. Four distinguished scientists look back over One Man's Lifetime, Mons 0315, 1715; Tues 0745, 2145. The Secret War is a docu series about weapon development, Sats 2330, Suns 1715, Mons 1130. The classical request program The Pleasure's Yours expands to 45 min, Suns 0815, Tues 2030, Thurs 1745. Theatre of the Air's first airing is at 2015 Sats the first three weeks due to live Promenade Concerts at 1830, but don't miss "Waiting for Godot", postponed for several months (appropriately), at the resumed time of 1830 Sat 24 Sept, repeated Sun 0030, 1130. (gh)

USA "The Alpine Regions of the Netherlands", a 4-part yukker produced by Bob Haslach as a filler-after-DX-Jukebox last March will be available over WUOT (91.9 MHz, 100 kW), the last four Sept Fridays at 1930 EDT (2330 GMT) (gh) AFATS is long overdue in putting out a new master schedule for those with magnifying glasses (gh) When a new sked is published, it will be announced on "Program Notes", daily at 0535 and 1735 GMT (0635 and 1835 Nov-Apr) (Alexander Mihajlov, Chicago)

(continued from LN-21)

LAST MINUTE ITEMS ISRAEL S77 IBA Hebrew HS SW sked; "B" pgm 0400(Sat 0500)-0610 to NAM on 7465/9009; also on 15547. 0615-1800 on 12077½/15547; 1800-1955 11655/12077½/15547 (at 1800-1830, 11655/15547 split off to carry the "A" pgm's Ladino and Magrabit); 2000-2305 to NAM on 7465/9355/12077½; also 15547. The Hebrew HS is jammed during magazine news review pgms at 0500-0530, 1100-1130, 1700-1800 (Larry Magne, PA)

LIBERIA VOA is to install four more high-power SW xmters at Monrovia (R. Ginbey, RSA, SCDX)

LIBYA Full service from Mebo 2 was to begin in Sept after tests on 6205. Addr: 20 Hanway St., London W.1 (Record Mirror via WDXC)

MOROCCO RTVM hrd evens on 30500, 5 x 6100 (Mike Barracough, Aug WDXC Contact, UK)

NETHERLANDS ANTILLES Continental Electronics has been awarded a million-dollar contract by TWR for 2 x 250 kW SW xmters and 1 x 50 kW MW on Curaçao (G.C.Santos, SCDX 23/8)

NICARAGUA Sept IPRB lists Managua 11875, 100 kW, 1200-0600. Was 50 kW before destroyed by earthquake (Roger Leggs, VA) I thought it was 100 (gh)

PERU R. Nacional Tacna, 9530 was hrd 3/8 just before 1200 preparing to join the now ENTEL microwave "Cadena Nacional" connecting it with Lima and 26 other stns (BEGMS)

PORTUGAL RDP's sked changes little but 11790 // 11840 seems new, 2300-0100 FT to Bzl, 0100-0130 SP to Lam & Bar. (cf Aug LN-4) The RDP xmters on 6115 and 9635 are via Sines (via BEGMS)

SAUDI ARABIA Since 5/8 Riyadh's DB in AR obs on new 15245, 1400 past 1800 (BEGMS 11/8)

SENEGAL R. Thabacounda has been heard testing at 0900-1200 on 6045 // 1502 (Mohammed ---, Mauritania, SCDX 23/8) 6045 listed for St.Louis, seldom reported the (gh)

TRISTAN DA CUNHA Whilst trying for supposed Tristan on 3290 came across Malagasy on 3288 to 2100* (Mike Barracough, WDXC) Ditto, but Madagascar was on 3290, not listed 3288 (Gerhard März, Johannesburg, RSA, SCDX 16/8)

UKOGBANI The BEG reacted angrily Wednesday to proposals that its overseas radio broadcasts be severely pruned. Sir Michael Swann said the proposed cuts would leave the way open for the BEC's 'ideological competition at a time when the external service's effectiveness is at its highest and the need for their contribution at its greatest'... 'if the report's recommendations are accepted, Britain will be seen to have deliberately withdrawn from the dominant role it has played in world broadcasting since 1940.' (AFP via Toronto Globe and Mail, 4/8 via SWNS) The Brit ambassador to US is Peter Jay, not Ramsbotham as in RIB (gh)

URUGUAY SODRE planned to begin an international service in Spanish with Uruguayan music & news on 15/8 at 2200-0400. No freqs given, but list on 9620/15275 (Horacio A. Negro, SCDX)

USA A BEG official has admitted CIA control over VOA broadcasts and the recent dismissal of the VOA boss could be the beginning of a struggle for 'freedom' (R. Shapiro, WDXC) Oh?

USSR The 15505 xmters has been heard in the afternoons on 31010, 2x (Barracough, UK, WDXC)

PUBLICATION Wireless World magazine for Aug 77 contains two interesting articles. One is by George Jackson, Head of Engineering at RGI, describing a method of measuring the success of a SWBC service in achieving its desired target coverage. The other describes the development of ham and SWL receivers during the past 15 years or so, and includes a comparative specification chart for ten modern receivers, including FRG-7, SPR-4, R4B, etc. Both articles are written in non-technical language and are easy to understand. WW costs 40P from UK newsgents, and is available in many overseas countries (Andy Sennitt, WDXC Contact)

USSR The RM DX Club we have now is virtually a carbon-copy of James Young's proposal, and he got card #1 (Kuznetsov, 4/8) Not often can an American have such direct and acknowledged influence on Soviet foreign policy. Congratulations, Jim! (gh)

scoreboard

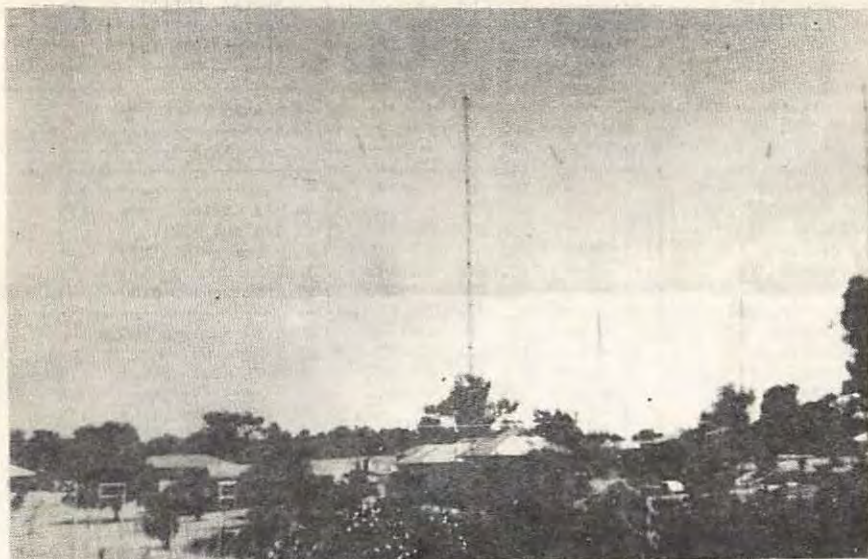
MYRON SMITH, Editor
36 Ogden Center Road
Spencerport, New York 14559

SEPTEMBER 1977

Reporter/Location	# #		C/H C/V	S/H S/V	Europe		Best QSL/frequency
	Loc	Yr Recvr			CH	CV	
1 James Young, Calif	3	25	-----	220 201	847 262	-- --	-----
2 John Campbell, Austla	3	7	-----	219 200	--- 410	40 39 R	Tiffany 6235
3 John Tuchscherer, Wisc	1	54	-----	218 ---	1119 ---	38 ---	-----
4 Irving Johnson, Calif	1	5	SPR4	217 68	--- ---	36 8 R	Vilnius 12070
5 Sam Barto, Conn	3	13	-----	216 203	1351 916	--- --	World Music Radio 6225
6 Richard Pistek, Ill	1	14	-----	213 206	--- 354	38 37 R	Andorra 6230
7 Dan Henderson, MI	3	12	-----	213 200	--- ---	38 36 RIAS W	Berlin 6005
8 Bob Padula, Australia	1	12	-----	212 205	--- ---	36 36 R	Andorra 5995
9 Geoff Cosler, Austral	1	5	5R5DS	211 182	--- ---	--- ---	-----
10 Marlin Field, Mich	1	17	-----	210 203	853 721	37 36 R	Free Russia 11487
11 Al Sizer, Conn	1	9	-----	210 201	884 326	37 37	Petrozavodsk 5065
12 Edward Shaw, Ky	2	13	-----	210 199	783 458	37 36	Austrian Army 6255
13 Bill Sparks, Calif	1	21	R390A	209 203	--- 649	37 36 R	Tallinn 6085
14 David Potter, Fla	1	10	-----	207 ---	780 ---	37 ---	-----
15 Ernie Behr, Ont	2	22	-----	205 181	1015 305	38 37	AFN Frankfurt 5470
16 Alan Meyer, Ill	1	17	-----	205 174	696 308	37 36 R	Riga 5935
17 Roger Legge, Va	3	43	-----	202 175	--- 740	39 37 R	Andorra 5995
18 Dan Robinson, DC	3	7	-----	202 153	--- ---	--- ---	-----
19 Myron Smith, NY	1	13	SX190	200 158	--- 247	37 34	RAI Caltanissetta 6060
20 Bill Whitacre, Mich	1	8	-----	200 150	--- 195	31 31	IBF Time Station 5000
21 Albert Garrou, Ill	3	11	-----	200 144	342 178	37 31	-----
22 Al Niblack, Ind	-	-	-----	200 130	--- ---	--- --	R Athens 11718
23 Alan Roth, NY	-	18	-----	197 181	619 464	38 37 R	Reykjavik 11780
24 Victor Jaar, Quebec	2	13	-----	195 4	--- ---	--- ---	-----
25 Edward Kusslik, Ont	3	11	R388	194 160	307 253	37 36	RIAS W Berlin 6005
26 Serge Neumann, Ind	4	14	HQ180A	193 170	--- 201	33 32	Polish Pathfinders 6850
27 Lerry Yamron, Pa	2	7	-----	190 149	--- ---	33 31	Tromso 7240
28 Al Miller, Ohio	1	6	-----	188 167	466 214	--- ---	-----
29 Gerald Bishop, Pa	2	2	-----	185 125	433 178	38 35	RAI Caltanissetta 9515
30 Neil Perdue, Ala	2	7	HAG00A	182 55	--- ---	--- --	HMBI Greece 15345
31 Larry Abraham, Mich	1	6	-----	180 139	345 191	34 33	Iceland 12175
32 Joe DiLeo, Conn	1	8	-----	179 153	522 349	34 33 R	Andorra 6230
33 Andy Robins, Mich	1	5	-----	179 124	--- ---	34 31	Rikisutvarpid 12175
34 Rob Vokes, Tex	2	3	-----	178 103	516 135	--- ---	-----
35 Tom Gavaras, Minn	1	6	-----	175 136	309 222	33 29 R	Luxembourg 6090
36 John Fisher, Ont	1	5	-----	175 130	416 208	35 33	Iceland 12175
37 Charles Brunner, Pa	1	4	-----	174 85	--- ---	35 30	Polskie Radio 9540
38 Hank Michalenka, RI	1	11	-----	172 136	293 154	34 34	RIAS W Berlin 6005
39 John Sgrulleta, NY	1	19	-----	169 166	--- ---	33 33 R	Estonia 6085
40 Chris Lobbell, Mass	1	13	-----	168 151	--- ---	34 32	Yened Greece 6045
41 Charles Wootten, Turkey	5	6	R530	168 139	424 306	37 36 R	Andorra 6230
42 John Herkimer, NY	1	8	FRG7	164 140	--- ---	35 34 R	Riga 5935
43 Wade Smith, Mass	2	6	-----	164 95	--- ---	35 29 R	Luxembourg 6090
44 Jim Zabransky, NJ	2	7	-----	160 148	--- ---	32 32	Latvian R 5935
45 Richard Schwartz, Del	5	20	-----	160 121	--- ---	--- --	Baverischer Rundfunk 6085
46 Jim Fedor, Conn	1	2	FRG7	160 102	265 130	34 31	-----
47 Jay Florian, Ill	4	4	-----	159 100	373 151	34 31 V	of Iceland 12175
48 Jerry Lineback, Ill	1	8	-----	158 93	308 116	--- ---	-----
49 Hadley Cress, Va	1	4	-----	158 6	--- ---	33 1	DW Malta 9745
50 Robert Wiles, W Va	1	3	-----	157 113	--- 165	--- ---	-----

Reporter/Location	#	#	Loc	Yr	Recvr	C/H	C/V	S/H	S/V	Europe			
										CH	CV	Best	QSL/frequency
51 Jerry Stuart, Okla	1	13	-----	156	125	224	216	40	37	R	Luxembourg	6090	
52 Martin Foltz, Mich	1	6	-----	155	94	302	110	34	24	Sudwestfunk	7265		
53 Mike Ryan, Calif	-	-	-----	153	153	---	---	---	---	R	Riga	15220	
54 Bobby Hobbs, NC	1	6	FRG7	151	93	242	150	35	31	Iceland	12175		
55 Kent Willis, Ky	1	1	-----	151	87	297	89	32	31	R	Reykjavik	12175	
56 Jim Ronda, Ohio	1	5	-----	150	103	---	---	---	---	-----	-----	-----	
57 Bob McCoy, Nebr	1	4	-----	149	81	386	94	---	---	-----	-----	-----	
58 Neal Kolb, Fla	-	-	-----	149	75	---	---	32	27	R	Luxembourg	6090	
59 Bryan Price, Ky	1	8	-----	148	78	320	95	30	22	-----	-----	-----	
60 Jack Troy, Va	1	4	-----	145	37	---	---	---	---	-----	-----	-----	
61 Kerryn Brandt, NY	1	-	-----	142	92	---	---	---	---	-----	-----	-----	
62 Robert Beaudoin, Conn	1	2	-----	140	126	---	126	---	---	-----	-----	-----	
63 Albert Cannon Jr, NC	1	8	HQ100	140	110	---	---	33	32	RAI	Caltanissetta	7175	
64 Troy Gower, Ill	1	2	-----	139	104	146	110	33	31	Iceland	12175		
65 Terry Krueger, Fla	5	5	QR666	137	89	277	119	32	29	R	Rekjavik	12175	
66 Joey Nonnast, Tex	-	-	-----	135	118	238	165	30	30	HNBI	Greece	15345	
67 Henry Rockwood, Ohio	1	3	-----	135	108	---	140	30	29	R	Belgrade	6100	
68 Neil Wolfish, Ont	1	2	-----	135	94	252	138	---	---	-----	-----	-----	
69 Arthur Watson, BC	1	4	-----	135	74	275	91	29	27	R	Luxembourg	6090	
70 Ira Teitelbaum, NJ	1	3	-----	133	118	302	234	34	22	R	Messias	9670	
71 Bill Paschke, Wisc	1	9	-----	133	79	286	101	29	28	R	Vilnius	11790	
72 Mac Leonhardt, Ind	-	-	-----	133	70	---	---	---	---	-----	-----	-----	
73 Tom Overcamp, SC	2	3	-----	132	105	---	---	32	32	RAI	Caltanissetta	7175	
74 Neil Schulman, NY	1	2	-----	132	83	224	95	31	29	Iceland	12175		
75 Michael Agner, NJ	2	5	-----	131	75	332	77	---	---	-----	-----	-----	
76 Woody Seymour Jr, NC	1	8	-----	129	105	---	---	---	---	-----	-----	-----	
77 Lauren Ware, Va	1	2	-----	129	44	263	48	---	---	-----	-----	-----	
78 Allan Courtney, Ky	1	5	-----	127	51	254	56	32	24	-----	-----	-----	
79 Greg Ravenhorst, Minn	1	5	-----	126	96	185	130	30	29	V of	Greece	9760	
80 Mike Hardester, Okinawa	2	9	-----	124	112	221	186	26	25	HNBI	Greece	9520	
81 Robert Fleck, Ill	2	10	-----	124	84	---	---	---	---	-----	-----	-----	
82 Jim Uerlings, Ore	3	7	SX130	124	11	260	11	29	5	R	Budapest	-----	
83 Scott Newman, Ill	1	4	-----	123	80	---	---	---	---	-----	-----	-----	
84 Philip Wala, Mich	1	7	5900W	122	93	224	136	30	28	R	Espana Independdian	12135	
85 Andre Pineault, Que	1	4	FRG7	122	80	165	93	32	30	R	Riga	5935	
86 Adam Gaffin, NY	-	-	-----	122	78	238	126	---	---	-----	-----	-----	
87 Charles Foxx Jr, Va	-	-	-----	120	106	161	138	32	31	R	Luxembourg	6090	
88 David Snyder, NY	1	4	-----	119	54	---	---	31	23	R	Luxembourg	6090	
89 Jim Davis, Calif	-	4	-----	118	77	228	92	24	22	R	Budapest	15220	
90 Henry Lazarus, La	1	9	-----	116	109	336	274	30	30	R	Tirana	7265	
91 Dan McCarthy, Ind	1	3	-----	115	98	145	128	31	30	R	Nacional Espana	9360	
92 Jeff Roth, Ohio	1	10	5900W	113	77	203	88	32	30	ICRC	Geneva	7210	
93 Graeme Brown, BC	1	1	-----	113	57	164	93	26	16	ORF	15225	-----	
94 Edward Byatt, Pa	-	-	-----	109	99	156	136	28	28	DN	Malta	6025	
95 David Ball, Ont	1	5	-----	109	98	186	127	30	30	R	Luxembourg	6090	
96 Dave Twiggs, Conn	1	2	-----	108	77	210	119	---	---	Sudwestfunk	7265	-----	
97 Robert Koziomkowski, NY	-	-	-----	108	55	135	80	31	27	Greece	-----	-----	
98 Peter Schipelliti, Mass	1	2	-----	105	52	183	78	31	24	Red Cross	Geneva	7210	
99 Pat Tobin, Pa	1	3	-----	103	74	165	93	28	25	R	Luxembourg	6090	
100 Brian Alexander, Pa	1	6	DX160	102	62	178	77	30	30	IBF	Time Station	5000	
101 Steve Shotola, Ill	1	2	-----	101	71	145	82	28	26	V of	Greece	9760	
102 Keith Russell, Ill	2	4	-----	101	69	145	71	29	25	R	Poland	11815	
103 Bruce Lavery, Ga	1	1	-----	100	?	184	2	---	---	-----	-----	-----	
104 Werner Hoffman, Calif	1	1	-----	100	---	141	---	---	---	-----	-----	-----	
105 Bill Bogel, Calif	1	2	-----	100	---	---	---	---	---	-----	-----	-----	
106 Mildred Marshall, ND	9	9	SX122	99	89	143	124	30	30	R	Vilnius	11850	
107 David Sarrazin, Colo	1	3	UN1914	97	55	144	63	24	14	R	Tirana	9490	
108 Joe Delap, Ark	1	2	-----	98	45	177	60	---	---	-----	-----	-----	
109 Susan Wylie, Mass	1	4	-----	97	79	146	118	---	---	-----	-----	-----	
110 Paul Dumire, Mo	1	1	-----	97	53	148	63	---	---	-----	-----	-----	
111 Larry Edelstein, NY	1	6	SPR4	97	27	---	---	33	14	D	Welle	9545	
112 David Heimke, Mich	-	-	-----	96	68	---	---	---	---	-----	-----	-----	
113 Ted Muszynski, Conn	1	3	RF2200	96	43	113	46	29	29	IC	Red Cross	7210	
114 Kevin Mikell, Ill	1	2	XCR30	94	73	182	112	30	27	R	Norway	-----	
115 Timothy Noonan, Wisc	1	2	-----	94	66	140	93	32	30	R	Poland	9540	
116 Gary Biasini, Alta	1	1	-----	91	39	---	---	25	6	-----	-----	-----	
117 James Mulvey, NY	1	3	-----	90	75	---	---	32	31	RIAS	5005	-----	
118 Michael Bollitho, Ont	1	1	-----	86	??	110	70	29	17	V of	Greece	9760	

ON THE COVER: Rita Vernetti, DXing in Kwajalein Island {Marshall Isl.}, uses a Zenith Trans Oceanic 11 bander, Heathkit GR-78, also a McKay Dymek DA-100 antenna and a Heathkit digital clock.

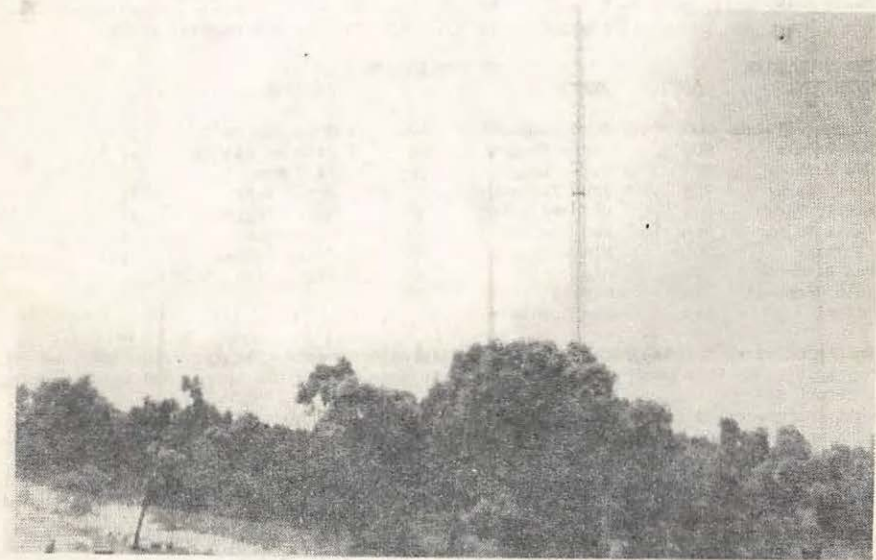
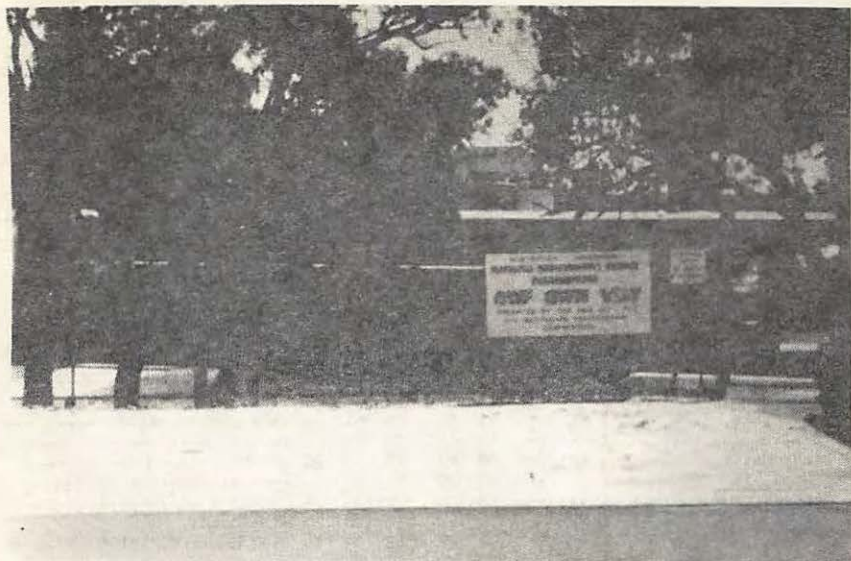


above photograph is picture of VNG antenna farm, Lyndhurst, Victoria, Australia. photographed by a friend of Andy Robbins.



This is a picture of antenna and transmitter building of part of Radio Clarin's facility in the Dominican Republic {via Andy Robbins}.

more pictures of VNG transmitter complex.



Reporter/Location	# #		C/H C/V	S/H S/V	Europe						
	Loc	Yr Recvr			CH	CV	Best	QSL/frequency			
119 Tom Blossom, Ohio	4	16	SPR4	85	77	---	---	28	26	V of Greece	9760
120 Larry Talbot, Wisc	1	5	-----	85	67	---	---	---	---	-----	-----
121 William Mann, Ont	1	5	-----	83	72	91	77	---	---	-----	-----
122 Ciro Guarducci, BC	1	4	-----	82	73	169	112	23	20	V of Greece	9760
123 Tim Barany, Ill	1	2	5900W	82	63	---	---	28	26	RFE Germany	7115
124 Pete Grenier, Calif	2	8	-----	81	63	107	74	24	21	TWR Monte Carlo	---
125 Albert Muck, Pa	1	4	2520	80	78	170	149	32	31	ABC England	6270
126 Mickey Delmage, Man	1	5	-----	79	74	112	96	31	31	Iceland	12175
127 Mike Brooker, Ont	4	4	-----	78	53	109	65	29	27	Polskie Radio	15120
128 Arnold Lausevich, Wisc	-	-	-----	77	56	---	---	---	---	-----	-----
129 Richard Lucas Jr, NY	-	-	-----	77	53	---	---	27	24	-----	-----
130 Jackie Cole, Colo	4	4	-----	75	53	---	---	25	20	Bulgaria	9700
131 Bruce Schoenfeld, Conn	1	3	-----	74	58	122	71	24	19	R Tashkent	---
132 Chuck Self, Minn	1	2	DX150A	74	58	109	75	31	25	TWR Monaco	7100
133 Anton Dubrick, Ill	1	2	-----	73	46	119	67	---	---	-----	-----
134 Aaron Gadouas, Vt	1	2	-----	67	29	80	31	32	26	Reykjavik R	12175
135 Dave Valko, Pa	1	1	DX160	66	51	80	51	29	25	R Denmark	15165
136 Robert Ward, MB	1	1	-----	65	39	98	43	---	---	-----	-----
137 Roger Peterson, Conn	1	1	-----	64	57	68	60	---	---	-----	-----
138 Larry Klasses, Ill	1	1	-----	61	50	76	61	---	---	-----	-----
139 Martin Alintuch, Mass	1	1	-----	59	45	78	59	---	---	-----	-----
140 Joe Dias, Calif	1	3	Astro 8	59	45	75	56	26	21	-----	-----
141 Wayne Grow, Pa	1	4	-----	58	20	75	20	---	---	-----	-----
142 Bob Schneck, Mo	1	1	-----	55	21	80	25	---	---	-----	-----
143 Edward Stroh, Ill	1	1	SPR4	54	48	132	118	28	26	R Norway	6185
144 Thomas Kenny, NJ	1	2	-----	51	24	60	30	19	5	R Denmark	15165
145 Daniel Conti Jr, NY	1	1	-----	50	32	60	34	---	---	-----	-----
146 Ken DeLong, Pa	1	2	5900W	45	31	54	39	20	15	R Finland	15105
147 John Hathaway, Ill	1	12	-----	44	20	215	48	---	---	-----	-----
148 Robert Zajda, Mass	1	1	-----	44	17	52	17	---	---	-----	-----
149 Joe Innat Jr, Pa	1	2	DX160	40	31	47	38	21	15	R Tirana	7065
150 Robbie Berezowski, Alta	1	1	Patr19	40	22	51	22	16	9	R Kiev	9670
151 Lexington Smith, NY	-	-	-----	40	20	---	---	---	---	-----	-----
152 Bobby Dunnigan, NC	1	1	-----	33	13	42	16	---	---	-----	-----
153 Peter Giacopelli, NY	1	1	-----	31	24	---	---	---	---	-----	-----
154 Tom Lister, BC	1	1	DX160	31	16	42	20	5	1	R Sweden	11905

**TOP TEN COUNTRIES
VERIFIED**

TOP TEN EUROPEAN

HEARD

VERIFIED

1 Richard Pistek	206	1 John Campbell	40	1 John Campbell	39
2 Bob Padula	205	Jerry Stuart	40	2 Richard Pistek	37
3 Sam Barto	203	3 Roger Legge	39	Al Sizer	37
Bill Sparks	203	4 John Tuhscherer	38	Ernie Behr	37
Marlin Field	203	Richard Pistek	38	Roger Legge	37
6 James Young	201	Dan Henderson	38	Alan Roth	37
Al Sizer	201	Ernie Behr	38	Jerry Stuart	37
8 Dan Henderson	200	Alan Roth	38	8 Eight tied at	36
John Campbell	200	Gerald Bishop	38		
10 Ed Shaw	199	10 Ten tied at	37		

Another good turnout this month. A lot of new reporters, some old ones returning, and nobody quit on me this month. But there are lots more of you out there. How about sending in a report now?

I would be interested in your reaction to the new format, which includes receiver for the first time. Is it too crowded? I expect to change the spacing a little next time. All of you who did not send in your primary receiver model, please do so next time.

It has been a busy summer, with vacations, a couple of short business trips, and preparing for my first venture into town politics, so it should be an interesting fall. This explains why you haven't seen too many reports in the Log Sections from me.

I received a reply to my question of last month about Azores being counted as an African. Seems the committee that decides those things believes that Azores propagates like an African.

David Snyder, President of the Brooklyn DX Club, asks me to inform you that samples of the club's bulletin may be obtained for 50 cents from 1137 E. 12th St, Brooklyn, NY, 11230.

NEXT DEADLINE IS NOVEMBER 15, 1977. SPOTLIGHT IS OCEANIA/ANTARCTICA. Make sure you let me know if your Oceania figure includes Antarctica. Sure wish mine did. Till next time 73's

QSL REPORT



BILL OLIVER, EDITOR
45 Wildflower Road
Levittown, PA 19057

SEPTEMBER 1977

A very nice month for individual countries. We have Laos, Upper Volta, and almost all the rarities that start with "M". If that's not enough, Henry Lazarus QSL'ed R. Diarico da Manha, Brazil, Ed Kusalik supplied R. Kashmir, India, and Jay McGonnell sent a report to the Voice of Greece and got a verie from YENED. What next? And away we go....

AFGHANISTAN: R. Afghanistan, 4775, f/d multi-colored cd in 46 days for EE rpt, 2 IRC's and used stamps. (Kusalik-ONT).

ALBANIA: R. Tirana, 7300, f/d "L'Esprit Revolutionaire" cd in 92 days for 2 IRC's. (Onken-IL).

R. Peking Relay, 9780, blue/gold cd w/o time in 17 days w/notice of mags on the way. No rp. (Wirsz-BC); same cd, sked, letter on prgms, "Chinese for Beginners" and mag notice in 22 days. No rp. (Golkin-NY); "Logo" cd, sked and 2 pages of Mao's Memorial in 24 days. No rp. (Meehan-CT); "Festival Rejoicing" cd in 14 days. No rp. (Gadouas-VT).

ALGERIA: RTVA, 11835, f/d blue/white cd w/wrong year (76) for Feb. 77 rpt received in 140 days for EE rpt and 1 IRC. (Willis-KY).

ANDORRA: R. Andorra, 6230, "Couple/Lake" cd w/only freq and 2 stickers in 42 days for EE rpt and 2 IRC's. (Pyatt-PA).

ANTIGUA: BBC Relay, 6175, no-data cd w/o site and sked in 1 month. No rp. (Lobdell-MA): 6175/6195, 2 no-data cds in 1 month. No rp. (Bolitho-ONT).

Deutsche Welle Relay, 6040, no-data cd in 90 days. No rp. I wrote the data on the cd. (Pyatt-PA): 6080, no-data form letter in 7 months for GG rpt. No rp. (Schwartz-DE): 15385, no-data cd and letter explaining that they couldn't mark site even though I had sent a tape rpt, received in 36 days for 1 IRC. This freq is now used by DW/Kigali. My country #134 according to the EDXC Country List! (Lindholm-SWEDEN).

ARGENTINA: RAE, 11710, blue/white freq-only cd and SS sked in 112 days on 2nd try for 2 IRC's. (Glazzy-CA).

R. El Mundo, 6120, long blue "Mike" cd w/o time in 3 months for 2 IRC's. (Twiggs-CT): 15290, date-only cd and personal letter thanking me for my rpt in 27 days for NASWA SS rpt and 1 IRC. Sked on letter. (Pineault-QUE).

ARMENIAN SSR: R. Yerevan, 7270, f/d paper in 3 months. No rp. Envelope was unsealed so who knows what else was sent, but I got the QSL! (Bishop-PA).

ASCENSION IS: BBC Relay, 9580, no-data cd w/o site although requested in 46 days. No rp. (McGonnell-MA).

ASIATIC RSPSR: R. Moscow via Yuzhno-Sakhalinsk, 11860. Via Chita, 9655/9700. Via Kenga, 9655/9660/11960/15175. Via Sverdlovsk, 7130/11785/15405. Via Irkutsk, 15425. Via Krasnoyarsk, 7250. Via Petropavlovsk-Kamchatsky, 12020/15180/15210. Via Khabarovsk, 12050/15100. Via Blagovschensk, 9580. These sites reported by Kusalik-ONT, Schipelliti-MA, Self-MN, Lister-BC, Cannon-NC, Noonan-WI and George-TX. Cards in about 40 days. No rp.

AUSTRALIA: R. Australia, 15160, QSL cd w/special ARDX cd signed by Bob Padula in 34 months. No rp. (Vernetti-MARSHALL IS): 9515, f/d cd in 20 days for 1 IRC. (Noonan-WI): 9580, f/d cd in 22 days for 1 IRC. (Fraser-MA); in 20 days for 2 IRC's. (Ihnat-PA): 15320, f/d cd, pennant in 17 days for 1 IRC. (Blankenship-WV); f/d cd, calendar in 49 days for 1 IRC. (Miller-WV): 9580/17795, f/d cds in 5 months. No rp. (Hermann-ONT). Cards were "Parakeet", "Blue Wren" and "Strut Pea".

VW15-Perth, 15425, f/d cd in 51 days. No rp. (Lister-BC).

VNG, 7500, f/d "Melbourne" cd, letter and info in 45 days. No rp. (Berezowski-ALB): 4500/7500, same in 27 days. No rp. (Self-MN).

AUSTRIA: ORF, 9770, f/d "Lovers" cd, sked and rpt forms in 31 days for 1 IRC. (Fraser-MA); f/d "Glass Towers" cd, sked, rpt forms and "Get Well" note in 45 days for 1 IRC. (Rockwood-OH); f/d "Austrian Art" cd in 8 weeks. No rp. (Delong-PA): 6155/9770, f/d "Niederosterreich" and "ORF" cds in 65 days for 1 IRC. The most beautiful QSL's! (Gadouas-VT).

AZERBAIJAN SSR: R. Moscow via Baku, 21490, green/white cd and sked in 39 days. No rp. (Kusalik-ONT).

BELGIUM: BRTV, 9725, f/d cd, nice tri-color pennant, 2 pcds, "Mailbag" transcript and 2 skeds in 32 days for 1 IRC. I really liked this one! (Howarth-PA); 9730, same w/tourist info and map of Belgium in 28 days for 1 IRC. They really send a lot of stuff! (Ihnat-PA); same bunch of "goodies" w/"Mailbag" transcript of the show on which I was mentioned in 30 days for 3 IRC's. (Self-MN).

BELIZE: R. Belize, 3285, f/d map cd and sked in 30 days for mint stamps. (Pyatt-PA).

BENIN: ORTB, 4870, date/freq cd in 2 months for FF rpt and 2 IRC's. (Lobdell-MA); f/d "Five Scenes" cd in 44 days for FF rpt, 2 IRC's, 2 color prints and a business card. (Wiles-WV); same cd w/o freq in 9 months for EE/FF rpt, 3 IRC's and used stamps. (Florlan-IL); same in 219 days. No rp. (Boyd-IL); same cd in 1 month for FF rpt. No rp. (Twiggs-CT).

BRAZIL: R. Nacional, 15245, f/d cd, wallet calendar and note on closing of International Service in 40 days. No rp. I just made this one in time! (Self-MN); f/d cd and bumper sticker in 14 days for 2 IRC's. Note mentioned return next year. (Onken-IL); 11780, f/d cd, sked, sticker and pocket calendar in 63 days for 2 IRC's. (Lindholm-SWEDEN).

R. Diario da Manha, 9675, personal EE letter in 1 year and 9 months for PP rpt, tape and mint stamps after 6 f/ups. V/s Rudolf Walter Grimm, International Department. (Lazarus-LA).

BULGARIA: R. Sofia, 9705, f/d "Pamporovo" cd and mint stamps in 75 days. No rp. (Feeshan-CT); 9700, f/d "University" cd in 122 days. No rp. (Gadouas-VT); same w/sked and rpt forms in 28 days for 2 IRC's. (Onken-IL).

BYELORUSSIAN SSR: R. Moscow via Minsk, 11745, f/d cd w/site in 39 days. No rp. Received a sked, too. (Kusalik-ONT).

F
R
O
M

S
A
M

B
A
R
T
O

Thank you for your report on the reception of
Radio Baku's broadcast for *Baku -*
Azerbaijan.
Date *19/xii.76*

Time *21.34 - 21.52*

Frequency *4785 Kct. = (62.7 m.)*

Your report has been checked with our
records and is correct in every detail.

Best wishes from
RADIO BAKU
Azerbaijan



J
O
H
N

H
E
R
K
I
M
E
R

CAMEROON: R. Garoua, 5010, letter w/only freq in 90 days for FF rpt and mint stamps. (Pyatt-PA); f/d form letter in 31 days for used stamps. No rp. I addressed the rpt to Jim Achanyi Fontem and received a 2-page letter from him in EE telling me the history of the station and encouraging further correspondence. (Hobbs-NC).

CANADA: CFCX, 6005, date-only station cd in 2 weeks. No rp. (Twiggs-CT). CFRX, 6070, f/d black/white "CFRB Boat/Skyline" cd, sked and "50 years" pin in 15 days for 1 IRC. (Blankenship-WV).

CHNX, 6130, white cd w/wrong date in 2 weeks. No rp. (Twiggs-CT); same cd w/o time in 2 weeks. No rp. (Hywarrwn-MAN).

CHU, 3330, freq-only cd showing Sir Sanford Fleming and station info in 13 days. No rp. (Self-MN).

CBC Northern Service is not sending out QSL cards at this time.

CANARY IS: RTVE Relay, 11880, cd w/sked showing Tenerife station in 1 month. Previous rpt sent to Tenerife without success. (Pineault-QUE).

CHINA: R. Peking, 11685, cd w/o time, pennant and sked in 21 days. No rp. (Lister-BC).

COLOMBIA: R. Nacional, 9655, cd in 2½ months for 2 IRC's. (Pineault-QUE).
R. Sutatenza, 5075, EE/SS folder cd w/o time in 113 days for SS rpt and 1 IRC. VIC #101! (Florian-IL).
R. Sante Fe, 4965, map cd and pennant on 2nd try for US flag. No rp. (Twiggs-CT).

COSTA RICA: R. Casino, 5954, f/d cd and pennant in 60 days for SS rpt and 2 IRC's. (Pyatt-PA).

CUBA: RHC, 9685, f/d orange/red cd, sked and lapel pin in 120 days. No rp. They remembered me even though I hadn't written in 10 years! Asked why I didn't write sooner! (Mayer-IL): 11725, cd, letter and revolutionary booklet in 3½ months. No rp. (Verneti-MARSHALL IS): 11760, f/d cd and Anniversary Book in 128 days. No rp. (Grenier-CA).

CYPRUS: CBC, 9750, f/d "Island Montage" cd and Cypriot coin in 1 month for EE rpt and 1 cent. (Hywarren-MAN): 7195, large f/d cd w/EE text in 31 days for EE rpt on Greek xmsn and 1 IRC. (Gionet-NB).

DENMARK: R. Denmark, 15165, f/d cd in 26 days. No rp. (Ihnat-PA).

DODECANESE IS: VOA-Rhodes, 6015, f/d cd in 8 days. No rp. (McConnell-MA).

DOMINICAN REP: La Voz de las Fuerzas Armadas, 4825, f/d letter in 210 days after f/up for SS rpt and mint stamps. (Pyatt-PA).
R. Clarin, 11700, date-only SS letter after f/up in 166 days for 3 IRC's. (Lindholm-SWEDEN); same in 64 days for EE rpt, 1 IRC and used stamps. (Glazzy-CA); same in 3½ months for SS rpt and mint stamps. (Kusalik-ONT).

ECUADOR: Emisora Gran Colombia, 4910, date-only personal SS letter and pennant in 100 days for SS rpt and mint stamps. (Boyd-IL).
R. Splendit, 5025, f/d personal letter in 2 years for SS rpt, tape and mint stamps after 8 f/ups. They also sent a small pennant. V/s Edmundo Valencia, Sub Gerente. (Lazarus-LA).
R. Federacion, 4960, freq-only personal letter in 55 days for SS rpt and mint stamps. (Boyd-IL).
HCJB, 6095, f/d cd, sked and ANDEX bulletin in 1 month. No rp. (Lawrence-SASK): 9560, f/d cd in 20 days for 1 IRC. (Miller-WV); f/d cd, sked, religious info and record offer in 41 days. No rp. (Wirsz-BC); f/d "Silver Jubilee" folder cd verified by Thames DX Club in 29 days for 1 IRC. Color picture of Queen Elizabeth after the Trooping Ceremony. A collector's item. (Onken-IL).

EGYPT: R. Cairo, 9475, f/d cd in 30 days. No rp. (George-TX); same in 40 days. No rp. (Lobdell-MA): 9805, f/d "Mosque" cd in 306 days for 1 IRC. (Gadouas-VT).

ENGLAND: BBC, 15070, no-data cd in 31 days for 1 IRC. (Gadouas-VT): 15260, same in 19 days. No rp. (Delong-PA): 9580, same in 17 days. No rp. (Golkin-NY): 9510, same in 32 days. No rp. (Berezowski-ALB): 7325, same in 24 days. No rp. (Blankenship-WV).
VOA-Woofferton, 6040, f/d cd w/site in 7 days. No rp. (Neff-IL): 7200, same in 13 days. No rp. (Wala-WI): 9760, date/site cd and sked in 37 days. No rp. (Lindholm-SWEDEN).

EUROPEAN RSFSR: R. Moscow, 9720, f/d cd in 32 days for 1 IRC which they said wasn't necessary, but didn't return. (Blankenship-WV); same in 41 days. No rp. (Golkin-NY): 9660, same in 43 days. No rp. (Rockwood-OH): 11800, same in 29 days. No rp. (Schulman-NY): 12050, same in 5 weeks. No rp. (Lawrence-SASK) Request the sites on R. Moscow cards. You may get a winner! ed. XMTR SITES: R. Moscow via Moscow, 7390/9550/9600/9680/12035/15460. Via Tula, 7250/9610/12000/15490. Via Kazan, 11805/11845/11850/11880/12020. Via Kalack, 15200. Via Voronezh, 12060/15230/15295. Via Zhigulevsk, 15185. Via Armavir, 9520/11710/11880/11900/12010/12040/12055/15375. Via Serpukhov, 11960/15450/17730/17795/17900. Via Ryazan, 15140. Reported by Schepelliti-MA, Kusalik-ONT, Noonan-WI and Cannon-NC. Cards in about 40 days. No rp.

FINLAND: R. Finland, 15105, f/d silver "50th Anniversary" cd, "Hear Finland" and skeds in 33 days for 1 IRC. (Fraser-MA).

FRANCE: RFI, 17865, f/d "Palais des Congres" cd, bumper sticker and "Paris Calling Africa" sked in 35 days. No rp. (Fraser-MA).

FRENCH GUIANA: FR3, 3385, no-data cd w/freqs and FR3 sticker in 3 weeks for IRCA FF rpt and pcd. No rp. (McNeil-DC).

GABON: RTVG, 4777, f/d map cd in 265 days on 2nd try for FF rpt and 2 IRC's. VIC #86. (Willis-KY).

GEORGIAN SSR: R. Moscow via Tbilisi, 11805, f/d "CMEA" cd and letter in 31 days for LA Svc rpt. No rp. (Boyd-IL).

GERMANY (E): RBI, 9730, f/d cd and "RBI Journal" in 1 month. No rp. Mags

arrived a month later. (Bolitho-ONT): 11890, f/d cd, badge and newsletter in 59 days. No rp. (Howard-CA).

GERMANY (W): Deutsche Welle, 6010, no-data cd, sked, "Hallo Friends" and pennant in 193 days after 2 f/ups. No rp. They included a card apologizing for the delay because "they (letters) are just too many." (Berezowski-ALB).
Sudwestfunk, 7265, "Ear" cd w/o time in 2½ weeks for EE rpt.

No rp. (Twiggs-CT and Meehan-CT).

R. Liberty, 11875, f/d cd in 2 months. No rp. (Hywarren-MAN).

VOA-Munich, 7240, f/d cd w/site for EE/RR rpt on RR xmsn. No

rp. (Wala-WI).

GHANA: GBC, 4915, f/d cd in 27 days. No rp. (Schulman-NY): 4980, in 122 days for 2 IRC's. (Glazzy-CA): 4915/6130, cds in 4 and 5½ months for 1 IRC each. (Hermann-ONT): 4980/6130, in 6 months. No rp. (Mikell-IL).

GREECE: V. of Greece, 11730, f/d white cd in 20 days for 1 IRC. (Wala-WI); same in 30 days for 1 IRC. (George-TX); date-only YENED verie letter with an apology for the delay in 108 days for 1 IRC. I sent the rpt to VOG but got the YENED verie, although I never heard it!! (McGonnell-MA).

VOA-Kavala, 11760, f/d cd w/site in 8 days. No rp. (Hoffman-PA).

GUINEA: La Voix de la Revolution, 4910, f/d form letter in 152 days after f/up for 3 IRC's. (Lindholm-SWEDEN).

GUINEA-BISSAU: R. Nacional, 4780, green PP/FF/EE cd in 25 days for 4 IRC's, used stamps and RP rpt on PP xmsn. V/s Tiburcio Ribeiro da Moura. (Florian-IL)

HAITI: 4VEH, 11835, f/d cd, letter, religious material (even in Sweden!) and sked in 28 days for 2 IRC's. (Lindholm-SWEDEN); f/d cd and sked in 157 days for 2 IRC's. (Glazzy-CA); small f/d "Control Room" cd and sked in 60 days for 1 IRC. (McGonnell-MA).

HAWAII: WWVH, 5000, cd w/o time in 1 week. No rp. (Bishop-FA).

HONDURAS: HRVC, 4820, cd in 23 days for 2 IRC's. (Pineault-QUE).

HUNGARY: R. Budapest, 11910, f/d yellow "Bridge" cd, pennant, note and sked in 21 days for 2 IRC's. (Blankenship-WV): 9655, f/d cd and skeds in 2 months. No rp. (Noonan-WI).

from GARRY SAPOZNIKOW

This is to verify your report dated

April 23, 1977

on our English

language broadcast on a frequency of

11790 KH.

Thanks for listening.

QSL Manager



VOICE OF INDONESIA

Overseas Service
Radio Republik Indonesia

ICELAND: Reykjavik Radio, 12175, f/d "Scenes" cd verified by Gufunes Radio in 20 days for EE rpt and 2 IRC's. (Onken-IL) same cd in 35 days for 1 IRC and used stamps. Unless one hears the "Voice of Iceland" prgm, which I did not, this is a UTE. Address: Post & Telecommunications Centre, Gufunes, Reykjavik, Iceland. (Boyd-IL). Doesn't everybody hear the VOI Prgm, hi?

INDIA: R. Kashmir (Srinagar), 3277, letter w/only verie statement in 19 days for a registered rpt and mint stamps. Sked on letter. V/s O.N. Pajnoo. (Kusalik-ONT).

INDONESIA: V. of Indonesia, 11790, beautiful folder cd w/o time in 2 months for EE rpt. No rp. (Hywarren-MAN); same in 107 days for 2 IRC's. (Onken-IL); same in 50 days for 3 IRC's. (Cannon-NC).

RRI Banjarmasin, 5970, personal verie letter mentioning reception on 50.25 meters in 92 days for II rpt and mint stamps. V/s A. Njonaki. (Kusalik-ONT).

IRAN: NIRT, 9022, f/d "Mahabad TV" cd and pennant in 32 days for 1 IRC. (Hoffman-PA): 15084, "Bandar Abbas TV" cd, mint stamps and foreign lang sked

in 1 month for used stamps. No rp. (Sarrazin-CO).

ISRAEL: IBA, 9815, f/d "Jerusalem" cd, sked, rpt forms in 2 months for 1 IRC. (Rockwood-OH): 7412, same in 38 days. No rp. (Lindholm-SWEDEN): 17815, same in 1 month. No rp. (Lobdell-MA): 11655, same in 6 weeks. No rp. (Bolitho-ONT); same in 41 days. No rp. (Berezowski-ALB).

ITALY: RAI, 9575, f/d "L'Aurora" cd in 45 days. No rp. (Grenier-CA).

JAPAN: R. Japan, 15270, "Footman" cd w/wrong date and no time, sked and "R. Japan News" in 2 weeks for rpt form. No rp. (Bolitho-ONT): 15105, "Tachibana Dolls" cd w/o time, pennant, sked, rpt form and "RJ News" in 10 days for rpt form. No rp. (Berezowski-ALB): 11815, same in 13 days for rpt form. No rp. (Wirsz-BC).

KENYA: V. of Keyna, 4915, f/d aerogramme QSL in 30 days for cassette tape rpt on Swahili xmsn and 1 IRC. Thanks to Victor Jaar for his phone call on this. (Pineault-QUE). Nice, Andre. Do you want my phone number, Victor?

KIRGHIZ SSR: R. Moscow via Frunze, 11890, f/d cd in 6 weeks for rpt on S/SE Asian xmsn. No rp. (Cannon-NC): 15435, f/d "Clock Tower" cd in 48 days for Asian Svc rpt. No rp. (Boyd-IL): 15500/17835/11870/11890/12050, f/d cd w/site typed in in 39 days for used stamps. Also received sked, mint stamps and letter. (Kusalik-ONT).

KOREA (N): R. Pyongyang, 11535, f/d cd, pennant, small flag, pin, a set of 12 pcds, used stamps and, in the pages of a book on health care, 13 unused IRC's, all stamped in Japan. All this in only 30 days for FF rpt. No rp. (Gionet-NB).

KOREA (S): KBS, 9640, f/d "Traditional Orchestra" cd in 4 weeks for pcd and 1 IRC. One of the nicest cards I have ever seen. (Gower-IL); f/d cd, sked, pennant in 19 days for 1 IRC. (Howard-CA): 11860, f/d cd, sked and pennant in 1 month for 1 IRC. (McClure-KY).

KUWAIT: R. Kuwait, 12085, f/d folder cd in 6 weeks. No rp. (Bolitho-ONT); in 83 days. No rp. (Mikell-IL); in 57 days. No rp. (Boyd-IL); in 3 months. No rp. (Gercken-IL); in 51 days for 1 IRC. (Blankenship-WV).

LAOS: National Radio of Laos, 7145, no-data letter and skeds in 7 months for EE rpt on Lao xmsn, 2 IRC's and photographs of the Wheeling area. The letter states that they were sorry for not answering my rpt promptly! My Vic #120!!! V/s Boun-Mek Phengsavanh. (Wiles-WV).

LATVIAN SSR: R. Riga, 5935, f/d "Native Couple" cd in 4 months for EE rpt. No rp. (Schwartz-DE and Bishop-PA); f/d green/white cd and another pcd giving their sked and thanking me for my tape rpt on a Swedish xmsn received in 136 days for 2 IRC's. They returned my tape. (Pineault-QUE); f/d "Native Couple" cd and sked in 4 1/2 months for 1 IRC and EE rpt on Latvian xmsn. Thanks to Roger Legge and "UHFRN" for this tip. (Cannon-NC).

LIBERIA: ELWA, 4770, cd in 159 days for \$1.00 donation. (Mikell-IL); f/d cd and sked in 4 months for 1 IRC. (Hermann-ONT).

LITHUANIAN SSR: R. Moscow via Kaunas, 11870, f/d "CMEA" cd, sked, rpt form in 40 days. No rp. (Boyd-IL); f/d cd in 33 days. No rp. (Self-MN).

MALAGASY REP: R. Nederland Relay, 11730, "Announcers" cd w/verification of Malagasy and Hilversum in 13 days for 2 rpts. (Delong-PA).

MALAWI: MBC, 3380, f/d blue letter on 2nd try for mint stamps in a total time of 4 1/2 months. (Gower-IL).

MALAYSIA: BBC Relay, 15435, no-data "Bridge" cd w/o site in 60 days. No rp. (Lister-BC).

MALTA: Xandir Malta, 6080, f/d letter and tourist info in 102 days for 1 IRC. (Lindholm-SWEDEN).

MARTINIQUE: FR3, 3315, f/d FF letter in 26 days for used stamps. (Hobbs-NC).

MAURITIUS: MBC, 9710, red/blue/yellow/green MBC cd w/o time after 3 rpt on Dec. '76 reception. Cd came 16 days after 3rd rpt and a total of 5 IRC's. I love it! (Willis-KY).

MONGOLIA: R. Ulan Bator, 11860 (Home Svc), f/d cd w/incorrect time in 3 months for EE registered rpt and a penny. Also received 5 Mongolian coins, stunning stamps, pcds, mags and sked. All this came in a large brown envelope with no postage! Rpt was directed to Mr. Tuvdennyam. (Hywarren-MAN).

MONTSERAT: Deutsche Welle Relay, 9590, no-data cd in 6 weeks. I sent the rpt to the island with mint stamps and SASE, but the verie came from Cologne with a note explaining why they couldn't send a QSL from the xmtr site. They also returned my stamp. (Bishop-PA).

MOROCCO: VOA-Tangier, 7190, "Capitol" cd w/o date in 6 days. (McGonnell-MA): 15205, f/d "Stamps" cd w/site in 8 days. No rp. (Hoffman-PA).

MOZAMBIQUE: R. Mozambique, 3210, f/d cd w/wrong time in 6 months for NASWA FP rpt. No rp. The time was given in local time, but the card said "GMT". (Bolitho-ONT); f/d "Globe" cd in 3 months. No rp. Meter mark reads "Lorenzo Marques". So much for the revolution! (Bishop-PA).

MEXICO: R. Universidad de Sonora, 6115, EE/SS printed cd in 36 days for EE rpt. No rp. (Howard-CA). Very nice, Ron. Sorry this got on the bottom. ed.
NETHERLANDS: R. Nederland, 11730, f/d "DX Prgm Hosts" cd in 1 month. No rp. (Bolitho-ONT); in 14 days. No rp. (Golkin-NY); in 11 days for 1 IRC. (Fraser-MA); in 1 1/2 months. No rp. (Lobdell-MA): 9715, in 9 days. No rp. (Hermann-ONT).
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d cd in 16 days for 1 IRC. (Howarth-PA); in 59 days for Gilfer rpt. No rp. (Berezowski-ALB).

TWR, 11925, f/d cd, sked and religious info in 14 days for 1 IRC. (Ihnat-PA); same in 3 weeks for 1 IRC. (Lawrence-SASK); in 25 days with TWR sticker. No rp. They need IRC's for airmail. (Berezowski-ALB).
NEW ZEALAND: RNZ, 6105, f/d cd, sked and personal letter saying the copy of "New Zealand Listener" I requested was sent by seammil. Received in 22 days for 2 IRC's. (Howarth-PA): 11705, f/d "Lake/Mountains" cd and sked in 15 days for 1 IRC and mint stamps. (Neff-IL): 15130, same cd, sked and personal letter in 20 days for 2 IRC's. (Hartsell-CA).

NIGERIA: NBC-Jos, 5965, f/d form letter and sked in 1 month. No rp. (Howard-CA); f/d cd from Lagos in 99 days. No rp. (Bishop-PA).

NBC-Benin, 4932, f/d cd from Lagos in 99 days. No rp. (Bishop-PA).
NORWAY: R. Norway, 15175, f/d "Mountain Scene" cd and sked in 22 days for 1 IRC. (Dawson-ALB); f/d "Sogne Fjord" cd, sked and small flag in 60 days. No rp. (Self-MN); same cd and bulletin in 21 days for 1 IRC. (Fraser-MA).



from
 MICHAEL
 BOLITHO

PAKISTAN: R. Pakistan, 11640, form letter w/o date in 60 days for EE rpt and 1 IRC. First rpt went unanswered. (Cannon-NC): 15520, "Fountain" cd w/o date in 3 months. No rp. (Gower-IL).

PAPUA NEW GUINEA: R. East New Britain, 3385, f/d NBC map cd in 6 months for EE rpt. No rp. (Hywarren-MAN); same in 8 months for 2 IRC's. (Gower-IL).

PHILIPPINES: R. Veritas, 9605, 2 f/d "Malolos Xmtr Site" cds, skeds and warm personal letter in 25 days for EE rpt and 3 IRC's. (Poppin-CA).

FEBC, 11850, f/d cd and religious info in 38 days. No rp. (Wirsz-EC); same w/questionnaire and 2 issues of "Manila Calling" in 31 days for 2 IRC's. (Boyd-IL): 15390, same in 38 days for 2 IRC's. P.O. Box is 2041, not 2141 as in WRTVH. (Glazzy-CA): 15440, same in 49 days. No rp. (Lister-EC).

VOA-Tinang/Poro, 15220, f/d cd and new skeds in 46 days for a mint stamp which was returned. (Neff-IL): 15290, f/d cd in 6 days. No rp. (Willis-KY); f/d cd w/site in 8 days. No rp. (Hoffman-PA); cd w/only site and date in 113 days. (Pineault-QUE).

POLAND: Polish Radio, 11815, f/d cd, sked and rpt form in 21 days for 2 IRC's. (Onken-IL); in 48 days. No rp. (Pineault-QUE); in 6 weeks. No rp. (Bishop-PA); in 4 weeks. No rp. (Lawrence-SASK): 15120, in 25 days. No rp. (Boyd-IL); 3 f/d cds in 50 days. No rp. (Meehan-CT): 3955, f/d cd in 1 month. No rp. (McNeil-DC): 11815/15120, f/d cd, letter and pennant for tape rpt on EE/Polish xmsn. No rp. (Oliver-PA). All cards "Heraldic Arms".

PORTUGAL: R. Portugal, 11935, f/d cd in 14 days for 1 IRC. (Noonan-WI); same in 14 days. No rp. (Lobdell-MA).

Radio Free Europe, 15115, f/d cd in 42 days for EE rpt on xmsn in

Bulgarian. No rp. (Gionet-NB): 9565, f/d cd and sked in 39 days from Munich. No rp. (Lindholm-SWEDEN).

RHODESIA: RBC, 2425, gigantic map cd measuring 9 1/2 by 6 1/2 inches w/date and freq in 27 days for pcd. No rp. (McNeil-DC).

ROMANIA: R. Bucharest, 11940, f/d cd, sked and pennant in 53 days. No rp. (Noonan-WI); f/d "Ateneul Roman" cd, Listeners Club info and sked in 3 months. No rp. (Bolitho-ONT); f/d cd, sked, pennant and stamps in 2 months. No rp. (McClure-KY): 15250, f/d cd, sked and info in 63 days for 2 IRC's. (Onken-IL) 9570, f/d "Victory Street" cd w/wrong year, it was marked 1965!. Received in 115 days. No rp. (Gadouas-VT).

SAO TOME E PRINCEPE: R. Nacional, 4807, f/d "Girl and Church" cd in 1 month for EE rpt, pcd and used stamps. No rp. This is obviously an old card. (McNeil-DC); f/d "Four Plants" cd in 34 days for PP rpt and 1 IRC. Is this still 1 kw? Very pleased with this one! (Willis-KY); beautiful cd w/o time in 6 weeks for EE rpt on PP xmsn and 2 IRC's. (Cannon-NC); f/d "Cidade de St. Antonio" cd in 28 days for EE rpt on PP xmsn. No rp. (Gionet-NB); cd w/o time in 51 days for cassette tape rpt on PP xmsn and 2 IRC's. (Pineault-QUE).

SAUDI ARABIA: BSKSA, 11855, f/d cd, letter and 2 skeds by registered mail in 64 days for EE rpt on EE xmsn. No rp. (Oliver-PA).

SENEGAL: R. Senegal, 4890, black/white "String Instrument" cd w/date and time in 1 month for Gilfer rpt and pcd. No rp. (McNeil-DC).

SEYCHELLES: FEBA, 11755, f/d orange/black map cd in 1 month for 2 IRC's. V/s Liz Scott says Mary Berry has left for the UK. (Lobdell-MA).

SIERRA LEONE: SLBS, 3316, aerogramme verie in 164 days for EE rpt. No rp. Dated Feb. 17, but not mailed until June 28. (Gionet-NB).

SINGAPORE: R. Singapore, 11940, "Logo" cd in 35 days for 1 IRC which was returned. (Vernetti-MARSHALL IS).

SOUTH AFRICA: R. RSA, 9585, f/d "Johannesburg" cd and "RSA Calling" in 16 days. No rp. (Wirsz-BC); same in 15 days for 1 IRC. (Blankenship-WV): 5980, same in 14 days for pcd and 1 IRC. (Miller-WV): 21535, same w/pennant in 30 days. No rp. (Grenier-CA).

SPAIN: RTVE, 11880, f/d "Antenna" cd, sked and rpt forms in 25 days. No rp. (Golkin-NY); same in 25 days for 1 IRC. (Fraser-MA): 11840, same in 23 days for 1 IRC. (Neff-IL).

SRI LANKA: SLBC, 15120, f/d cd showing beautiful girl in costume in 2 1/2 years, 6 months after asking for assistance from a friend in Sri Lanka. A total of 5 IRC's for this one but I'm glad to get it! (Pineault-QUE).

VOA-Colombo, 15185, f/d "Stamps" cd w/site in 13 days. No rp. V/s Kathy Burson. (Wala-WI).

SUDAN: R. Omdurman, 11835, EE form letter w/wrong date in 1 month for a 6 month old EE rpt and pcd. V/s Ali M. Ali. I'm proud of this one! (Sarrazin-CO); date/freq letter w/sked in 3 months after 2 tries. No rp. (Hywarren-MAN)

SWEDEN: R. Sweden, 9695, f/d map cd and sked in 17 days for 1 IRC. (Dawson-ALB); same w/pennant in 19 days for 1 IRC. (Howarth-PA): 15305, map cd with only name, sked and pennant in 18 days for 1 IRC, used stamps. (Neff-IL): 11905, f/d cd, rpt form, fact sheets, sked and DX News bulletin in 32 days. No rp. (Poppin-CA).



ALL INDIA RADIO
HYDERABAD

*gratefully acknowledges your communication
and takes great pleasure in confirming your
Reception Report*

Listened on 25.12.75

Time 1215 - 1235 GMT

Frequency 4800 kHz.

(A. Ramalingam)
STATION ENGINEER.

Jan 31/76

from
PITF
MCNEIL

- SWITZERLAND:** SEC, 9725, f/d "Broadcasting Headquarters" cd in 25 days for 1 IRC. (Dawson-ALB).
- SYRIA:** R. Damascus, 9300, "Globe" cd w/wrong time and wrong freq (9655 kHz), sked, pcd, tourist pamphlets, info sheets on Syria and small cloth emblem in 5 months for 2 IRC's. V/s Khder Omran. Not only were the time and freq not right--even the card itself was a misprint! The red lettering on the face of the card was inverted! (Wala-WI).
- TADZHIK SSR:** R. Moscow via Dushanbe, 15220, f/d blue/yellow cd w/site, sked, mint stamps and letter for rpt on Asian Svc and used stamps. (Kusalik-ONT): 7135, f/d "CMEA" cd for rpt on UKOBANI Svc in 36 days. No rp. (Florian-IL).
- TAHITI:** 15170, f/d "Nudie Cutie" cd in 26 days for EE rpt on FF xmsn and 1 IRC. (McGonnell-MA); same in 1 month for FF rpt. No rp. (Twiggs-CT); same w/o time in 25 days for EE rpt and 1 IRC. (Lobdell-MA). That's R. Tahiti!
- TAIWAN:** VOFC, 17890, f/d "Five Ties Dynasty" cd, aiked in 30 days for 2 IRC's. (Schwartz-DE); f/d "Four Magpies" cd in 34 days. No rp. (Gionet-NB).
- TANZANIA:** R. Tanzania, 4785, "Sauti ya Tanzania" (Voice of Tanzania) cd w/o time in 61 days for EE rpt on Swahili xmsn. No rp. (Boyd-IL).
- TOGO:** R. Togo, 5047, map cd in 1 1/2 months on 2nd try for FF rpt. No rp. (Twiggs-CT).
- TURKEY:** TRT, 11880, f/d "Turkish Carpet" cd, pennant, sked and tourist info in 58 days for 2 IRC's. (Glazzy-CA): 9515, f/d "Folk Dancers" cd, sked and "Shopping in Turkey" pamphlet in 32 days for 1 IRC. (Blankenship-WV).
- TURKMEN SSR:** R. Moscow via Ashkhabad, 11930, f/d cd in 6 weeks w/site for SS rpt on LA Svc. No rp. (Bishop-PA).
- UGANDA:** UBC, 15325, date/freq letter and sked in 1 1/2 months, 6 months after 2nd f/up with a total of 4 IRC's. I was getting worried about this one!! (Pineault-QUE).
- UKRAINIAN SSR:** R. Kiev, 11690, f/d "Lenin Museum cd, sked, rpt cds and info on 60th Anniversary of October Revolution" contest. (Fraser-MA).
R. Moscow via Vinnitsa, 5940/7130/9720/11800/11980/17885.
Via Lvov, 6070/11750. Via Kiev, 7160/9720. Via Simferopol, 15130/15425/17815/51515. Via Starobelsk, 15330. Cds in about 40 days reported by Kusalik-ONT, Boyd-IL, Noonan-WI, George-TX and Schipelliti-MA.
- UNITED STATES:** VOA-Greenville, 6130, cd in 26 days for 13¢ stamp which was returned. (MillerOWV); f/d cd in 4 weeks. No rp. (Lawrence-SASK).
WVW, 5000, cd in 18 days. No rp. (Wirsz-BC): 15000, cd and info booklet in 17 days for rpt on pcd. (Golkin-NY).
United Nations Radio, 15410, cd and sked in 3 months. No rp. (Hermann-ONT).
- KGEI, 5980, f/d cd, sked, pennant, religious info, questionaire and pcd in 38 days for EE rpt on R. Prague Monitor Club form. No rp. (Hascall-IN); f/d "San Francisco" cd with the other "goodies" in 1 month for a mint stamp. (Lobdell-MA); cd, sked, Christian literature, etc in 24 days for a 13¢ stamp. (Self-MN).**
- WYFR, 6155, f/d "Mike" cd and religious info in 14 days. No rp. (Wirsz-BC): 15110, f/d cd in 15 days. Received info and calendar later. (Howarth-PA); same in 9 days. No rp. (Self-MN).**
- WINB, 15185, f/d cd and sked in 54 days for 26¢ in stamps. (Onken-IL); same in 21 days. No rp. (Lister-BC).**
- UPPER VOLTA:** Rdif/TV Voltaique, 4815, f/d mimeo letter w/wrong year in 9 months after 3 rpts, 1 by registered mail, 4 IRC's, pcds and used stamps. It was worth the effort. (Gower-IL). Yeah!!!
- URUGUAY:** R. El Espectador, 11835, f/d SS "CX-A-19" cd in 24 days, registered mail, for 1 IRC. (Delap-AR).
- UZBEK SSR:** R. Moscow via Tashkent, 15395, f/d cd w/site, mint stamps, sked and letter in 39 days for used stamps. (Kusalik-ONT). No Alma Ata yet, Ed?
- VATICAN:** Vatican Radio, 11700, f/d cd in 15 days. No rp. (Ihnat-PA); f/d cd in 3 weeks for 1 IRC. (Gower-IL): 9605, f/d "VR Building" cd in 18 days. No rp. (Golkin-NY).
- VENEZUELA:** R. Juventud, 4900, date/freq "Dancers" cd w/typed verification in 81 days for Gilfer EE/SS rpt and mint stamps. (Hoffman-PA).
R. Rumbos, 9660, f/d "Legislative Palace" cd w/network info in EE in 40 days for Gilfer rpt on SS xmsn. No rp. (Berezowski-ALB).
Ecos del Torbes, 4980, form letter w/only date and even that was wrong in 1 month. No rp. (Bishop-PA).

That's it for this month. This "QSL Report" begins my third year as editor. Thank you all for your fine cooperation. I appreciate it. Deadline for October issue: September 10. Polish Radio loves you! Bill
Deadline for November issue: October 15.



Cyprus Broadcasting Corp. from Aaron Hywarren.



LESOTHO NATIONAL BROADCASTING SERVICE

THE VOICE OF LESOTHO

(from Aaron Hywarren)

DX HOTLINE

September 1977

number 2

Tom Alleman
615 West 43rd Terrace, Apt. 6
Kansas City, MO 64111
(816) 931-5943

UPCOMING DEADLINES: 10 Sept (mid-month)
19 Sept (Oct.)
10 Oct (mid-month)

Other clubs and broadcasters may use materials from DXH provided due credit is given the original reporter and NASWA DX Hotline. Material from DXH may NOT be reprinted by clubs and organizations which do not give reciprocal access to their publications. BBC Monitoring Service (BBCMS) items are copyrighted and may not be reprinted without their permission. All dates, times, and days are GMT. Frequencies are kHz.

A slow month, possibly because of the unusual deadline schedule; to spice things up, I have inserted several items from the Mid-Aug DXH. These are marked with an asterisk (*). Onward . . .

ANTARCTICA Following up on his report to the Mid-Aug DXH, Bill Hohnstein reports that AFAN McMurdo, 6012, will use a rhombic antenna beamed to NAM rather than the usual vertical during Aug and Sept, except during periods when the rhombic is needed for other traffic from the stn. Bill also reports that s/off of AFAN was early on 15 Aug due to transmitter trouble; stn management reports recent problems w/ the modulator and RF amp and indicates that repairs may take some time to complete. Low modulation has been a persistent problem. Bill also reports hearing AFAN on 6012, fading in at 0615 and 1015, carrier only w/o perceptible modulation. (Hohnstein, Neb.) ***thanks again, Bill---tba

ANGOLA---out of order--- RNacional, 3355, at 0515 //3375 w/ PP talks and local mx. Good sig but heavy UTE QRM. UNID Angolan on 7160 at 0553 w/ light pops and Afr mx from t/in. "San Francisco" played 0557 to ID by W at 0559 in PP; ID gave undecipherable list of SW and MW freqs. Also noted at 0600 w/ xylophone IS followed by M in PP. (editor Dan Robinson, PA) ***Dan reports that 7160 was formerly a RC de Huambo freq; it is clearly a regional outlet now, because Dan reports hearing a regional ID, rather than one for RNac.---tba

AUSTRALIA RA, 15205 in usual magazine format in EG, 0400-0520, // 15160, 15320; all GE. Also reporting 11740, 11935 (Holmes, Col.)***George, your report of 11535 for this appears to be a mispronunciation by their anncr---tba*** hot news department: your ed. monitored a hot b'cast from RA at 0320, 22 Aug, when an apparently false fire alarm sounded in the RA studio!!! Nicely covered by the anncr, but you could hear him getting ready to leave quickly if necessary. Interesting . . .

CAMEROUNS R. Buea on 3970 and R. Garoua on 5010 both noted at 0430 with exc sigs of late; This is prime time for Buea: local mx, FR talks and nx at 0500, EG nx thereafter relayed via Yaounde. Local ID by W 0515 (Robinson, PA)

CANADA RCI, 17820, at 1825 in EG to Africa; fair to good (Holmes, Col.)***I hope you all tuned in to Glenn Hauser's DX segment on DX Digest last Sunday . . . tba

CHINA (P.R.) PLA-FFBS 2 on 6000 hetting Singapore also here from 1100-1200 on 6-8 Aug. S/off of FFBS may be as late as 1225. Though both stns are in CH, FFBS is identifiable by revolutionary operative mx, nx w/ frequent mention of Taiwan, and use of East is Red at 1200. After 1225, Singapore is in the clear. When both stns are on, listen for 100 Hz het. (Wiseblood, Cal.)

CONGO Brazzaville, noted w/ Congolese mx and vocals, FR talks on 3232 at 0435. Another carrier underneath but much weaker; Madagascar??? Pt. Noire on 4843 from *0430-0446; s/on w/ NA, and into local mx and FR talks. Not bad just after s/on. (Both via Robinson, PA)

CZECHOSLOVAKIA RPrague announced on 4 Aug that it has introduced a test freq, 17705, beamed to Sasia for use in its 1530-1630 EG external service b'cast to Afr, Eur, Sasia, and the FE. // to sked 21670, 17840, 15110, 11990, 9605, 7345, and 6055. (BBCMS)

ECUADOR UNID Ecuadorian noted several nights from 0030-0200 and 0300-0400* on 3385.25m. Key was definite Ecuadorian NA. Zaracay and Iris appear to be where they are supposed to be so . . . ?Mx varies from straight LA to U.S. pops to very primitive Andean. (Pardue, Al.)

FINLAND RFinland, 15110, in EG at 1318 w/ mx to 1325*. Good level. (Holmes, Col.) *** On 4 September, RFinland begins a new Sunday only service to Eur and NAM called "RFinland in its Sunday Best". Check freqs for 1300-1330 transmission; time for this is 1325-1455.

()****red faces time: I misplaced the contributor for this. Since I seem to remember that you are in the Kansas City area, please call me so that I can credit you for this. Sorry.---tba

KENYA ---out of order--- BBCMS reports that the Kenyan government intends to spend ten million pounds (no idea how much that is in dollars) to modernize its TV and radio network. Word has it that SW services will receive primary benefits of the allotment. (BBCMS)*** a miracle!!!---tba

****INDONESIA** Steve Wiseblood, Cal., has submitted a list of 90m Indo loggings based on his attempts to confirm Bob Hill's reports to the April TDXN. Steve's list adds a few new reports:

- 3205 RRI Gorontalo (Sulawesi) relaying Jakarta nx after 1200
- 3215 RRI Manado (Sulawesi) //3205 w/ Jakarta nx relay at 1200
- 3225 RRI Tanjungpinang IN talk at 1320, but no ID heard
- 3325 RRI Jayapura (W. Irian) IN talk by M 1306-1310, 5 August
- 3345 RRI Ternate (Maluku) possible Jakarta relay after 1200
- 3385 RRI Kupang (Lesser Sundas) W in IN, 1311, piano MoR mx 1313-1317

(Wiseblood, Cal.) ***all Indo outlets bear close observation because skeds may change in wake of recent earthquake---tba

LESOTHO (T) UNID stn on 4800 from 0405-0500+ w/ relig. chants and much vern talk by M; Always under heavy, grinding UTE. (Perdue, Ala.)***Neal submitted this as an UNID, but it sounds so much like Lesotho that I have identified it as such. As Neal notes, however, this needs further checks---tba

****LIBYA** "Sawt al-Watan al-Arabi" (The Voice of the Arab Fatherland) heard on 6100, 9500, 11700, and 15100, all in AR and //. First noted 23 July, carrying reports on the Libyan-Egyptian crisis, some songs and marches; occasional IDs. 15100 can be heard early, for example, at 0925. Other outlets audible until after 0100, mostly on 6100 and 11700. Also IDs as the Broadcasting Service of the Peoples Libyan Arab Socialist Republic. (Jaar, PQ) ***see UNID below---tba

MOZAMBIQUE RMocambique, 4865 heard at 0445 w/ level equal to 4895. Portuguese talks and local mx. (Robinson, PA)

NORWAY R. Norway, 15175, w/ EG nx at 1405. Excellent. (Holmes, Col.)

PAKISTAN RPakistan on 9645 in unid lang from 0505-0515, poor level amid much QRM. Sub-cont orchestral, w/ deep-voiced M anncr. Obliterated by Vatican R. at 0515. Not audible after 14 Aug. (Sarrazin, Col.)

PHILIPPINES BBCMS reports that Department of Public Information EG external service to Asia resumed on 1 Aug. Sked is 0800-1200 and 2000-2400 on 9615 and 6170.

SOCIETY IS. Papaete, 11825, in verns at 0332, good level. (Holmes, Col.)***often the best 19m signal in Kansas City during evening hours---tba

SOUTH AFRICA Radio 5 (Five) here from 0400 t/in on 3388 w/ pop mx, EG and Afrikaans talk and excellent signals. Played "Undercover Angel" and had tcs for 6:30 and 7:30. Full ID at 0500 by M: "You are tuned to Radio 5, music radio, Radio 5 . . .". Also carried ads especially for Kawasaki 900 motorcycles. Much is unclear about this one (Robinson, PA).
SWAZILAND SCR on 3223 at 0430 w/ px of Hindi mx and talks; also some EG. Excellent level until after 0430 when fade out began. (Robinson, PA)

SWEDEN RS 15305 at 1408 w/ EG comment. (Holmes, Col.)

UNIDENTIFIED AR speaker on 9500 from 2250-0000+; ME mx to 2253, then Koran verses w/ drum beats between each. 2302-2314 ME pop mx w/ organs, then anthem, grandfather clock chimes and pips for 2315. Ignored :00, :15, and :45. Nx followed, w/ many references to Arabiya and political talks. Later had W wailing. (Sarrazin, Col.) ***this is almost certainly Libya, Dave. see above---tba

USA/LIBERIA for px watchers, VOA features a fine px every Sunday entitled "Music Time Africa," focusing on native music from African countries. Great listening, especially if you are trying to learn to ID the rare Africans by the mx played. Check 15140, 15410 at 1935 Sun. (your ed).

A WORD FROM YOUR EDITOR . . . To introduce myself, I am a 10-year DX-SWler, 6-year NASWA member, 24 years old and single. I'm also a recent law school graduate employed as a law clerk in U.S. District Court here. ABOUT THE COLUMN: with the return of DXH, I hope to redopt the style of the old Flashsheet edited by Al Nblack. That is, DXH will now solicit new DX and program loggings from any SW broadcast stn, anywhere, at all levels of difficulty. While I am always eager to print information on "Nibi-Nibi", I'd especially like to encourage beginners to report their catches to DXH for publication. Material on last minute px changes is welcome too. Together, we can make DXH a comprehensive, up-to-the-minute report of late breaking news in our quickly changing hobby.

A FEW GROUND RULES: to be as efficient as possible, I ask all contributors to abide by the following guidelines: (1) ALL SUBSCRIPTIONS GO TO HQ (PO Box 13, Liberty, IN 47353) NOT ME. This insures that you get your DXH without delay. (2) Please report by country, not frequency, on 8 1/2 by 11 inch or wider paper. Please type if you can, and skip lines between items. (3) I will try to do as little editing as possible, but I reserve the right to edit, omit, or comment on items as necessary or appropriate. (4) Unless you find it hard to read, I will print items of special interest in script-italic type.

Thanks and a tip of the Hotline Hat (w/ apologies to Jimmy Halto) to all who contributed. I hope we can fill up both pages w/ reports next installment.

Tom

Log

Section A

Report



Dan Robinson, EDITOR
5004 Fulton St., NW
Washington, DC 20016

1605 - 4900

SEPTEMBER 1977

PLEASE NOTE THE ABOVE ADDRESS. . . All correspondence should be sent to this new address effective August 27. Welcome to another IR-A where the DX is hot - - we have another new station, this time on 90 meters -- see SPOTLIGHT below. And we'll give the new language abbreviations one more try and if there is no reaction positive or negative, IR-A will return to NASWA standard abbreviations. Support DX HOTLINE!!

-
- 3277 INDIA All-Srinagar: 1350 when Jakarta off the air, w/Indian mx and armts. Good level too (Willis-AS)
- 3388a SOUTH AFRICA Radio 5: This station, reported elsewhere as UNID is listed WRH as a pop mx stn sked 0300-2200. It was noted here 0300-0400 w/EE & Afrikaans px and pop mx, jingles and ID as "You're listening to Radio 5" and "Music Radio, Radio 5" Seems SW relay of this stn and at same level as other South African frequencies (Robinson 8/18)
-
- 2340 CHINA Fukien Front-1: 1228-1240 in CH w/INTERNATIONALE, 1230 W in CH, then operatic mx to 1240* (Wisblood 8/3)
- 2340H COLOMBIA LV de la Heroica: 0500* w/ID as "La Voz de la. . . & Colombia" mentioned at s/off with NA (Overcamp-7/24)
- 2390 GUATEMALA LV de Atitlan: 0140-0200 in SP w/ orch.mx, tlks, vocals, ID's, organ mx (Thompson 8/5)
- 2390t MEXICO R. Huayacocotla: 0215-0300* w/live LA mx, vocalists and guitar mx, poss ID 0300* Overcamp 7/24 listed TBS-IR
- 2430 CHINA Fukien Front-2/PLA: *1300-1308 in CH, M in CH tlks (Wisblood 8/3)
- 2475 CHINA Hangzhou: 1224-1235 in CH, M&W in tlks; Internationale at 1228, 1230-1235 in oriental vocals (Wisblood 8/5)
- 2490 CHINA PLA/FFBS-1: 1226-1245 in CH w/oriental flute mx; M in tlk (Wisblood 8/3)
- 2600 CHINA PLA/FFBS-2: 1243-1246 CH operatic mx w/w vocalist, then W in CH tlk, oriental vocals 1246 (Wisblood)
- 3200 CHINA PLA/FFBS-2: 1247-1257 CH, military type instrumental mx, mixed chorus. 1252 mx w/ chorus (Wisblood 8/5)
- 3204T NIGERIA NEC-Ibadan: 0525 in lang w/drum mx, African flavor chants. No ID hrd but pretty sure it's them (Pinchuk 7/30)
- 3204.8 SULAWESI RRI-Gorontalo: 1235-1303 w/instrumental island mx 1235, light chorus/HOR mx 1243, light mx to 1300 when Jakarta mx relay w/M in IN (Wisblood 8/12)
- 3205 UNID: 0833-0849 in non-EG lang, mx and tlks by M- definitely not EG (Schipelliti)
- 3210 MOZAMBIQUE RM: 0306 in PT tlks by W. Still here 0403 and 0446 (Florian 7/10) 0345-0415 M DJ w/pop mx, mx on hour by W (Bishop, Ravenhorst 7/23)
- 3215 SULAWESI RRI-Menado: 1237-1303 IN, weaker than 3205, though not //3205. Slow island and chorus mx to 1300, then Jakarta relay //3205 w/M in IN (Wisblood 8/12)
- 3225 SWAZILAND SCR: 0405-0432 with Indian mx pgn, sitar mx and general subcont. fare, EG armts. Good level. (Robinson)
- 3225 SUMATRA RRI-Tanjurpinang: 1246-1303 IN w/w in tlk. Jakarta relay 1300 //3205 3215. Fair on peaks (Wisblood 8/12)
- 3250 SOUTH AFRICA SABC: Springbok Radio 0113 in Afrikaans, mx, vocals (Leffler 8/10)
- 3255 VENEZUELA LV del Tigre: 0100 in SP, LA rock mx w/periodical tlk by M, many ID's (Pinchuk 7/28)
- 3265 GUYANA R. Demerara: According to letter to John Moritz from E.A. Daly, Eng in Charge, this stn still on the air, but only on 3265 from 0817-0200 (John Moritz via TDXN-70) If that UTE would move, we would have a chance for this and others...

- 3275 SWAZILAND TWR: 0422-0443 EG religious pgm. Gons 0458 recheck (Ravenhorst 7/23)
- 3285 BRAZIL R Olinda: 2355 in PT w/Brazilian pop mx, ID at 2359 as "R Olinda em Pernambuco" and ads (Bishop 7/24)
- 3285 HELIZE RB: 0300-0330 EG, pop mx, ID, mx on the hour (Westling 7/13, Bryan)
- 3300 GUATEMALA TGNA: 0356 EG religious pgm "Thru the Bible" ID and QTH by M ancr (Green 8/5) 0400-0500 EE rel. px, ID for TGNA and TGNC (Howard 7/12, Dunnigan 7/18)
- 3316 GUINEA KEONE SLBC: *0557-0603 EG. IS, NA and into tlk, weak but no noise this night (Krueger 7/24)
- 3325 ECUADOR Ondas Quevedenas: 0604-0625 SP, folklorico & inst high country mx, M ancr, ID as "Transmite Ondas Quevedenas. . ." at 0613. Good (Krueger 7/23)
- 3335 BRAZIL UNID: 0145-0230 in PT, Brazilian pops and MOR mx-WHOY (Bishop 7/29) Educ Rural or RC de Conquista?--DR
- 3338 MOZAMBIQUE RM: 0437-0445 in PT //3210 but not as good here (Ravenhorst 7/23)
- 3345 MALUKU RRI-Ternate: 1230-1303 IN, fair 1230 w/W in IN tlk, island mx to 1233, 1233 M & W in tlks (Wiseblood 8/12)
- 3360 GUATEMALA LV de Nahuala: 0404 SP tlk by M, MOR mx, ballads, ID's at stn breaks (Pinchuk 7/30) 0419 SP, mx, very weak (Pineault 7/15)
- 3365 VENEZUELA R Puerta La Cruz: 0005-0015 SP, LA pop mx, occasional mention of Puerta La Cruz UTE QRM (Bishop 7/27)
- 3370 UNID: Stn noted here 0315+ at good level w/lang tlks, mx--sounds like Mozambique to me though Malagasy sked this time as well. Equal lvl 3338, 4895(Robinson)
- 3375 ANGOLA Ra Oficial: 2345 PT, MOR mx, ID, W in tlks about Angola (Bishop 7/21)
- 3380 MALAWI MBC: 0334-0417 in Chichewa tlks and EG tlks, ohoral mx and drum mx, "MBC" ID 0400 and mx in Chichewa (Perdue, Florian, Pinchuk, Pineault)
- 3380 GUATEMALA R Chortis: 0120 SP, mx w/heavy QRM (Leffler 8/10)
- 3385 LESSER SUNDAS RRI-Kupang: 1302-1306 M in IN w/Jakarta relay, fair, // to all others (Wiseblood 8/12)
- 3385 FR. GUYANA Cayenna: *0900 w/tones, time pips @ 0900, guitar IS, ID by W ancr, string mx (Jones 7/9) 2340 in FR, pop mx, ID by M 0000 (Bishop 7/26)
- 3385.3 ECUADOR UNID: 0110-0400* SP, hrd several nites, mx varies from primitive Andean to straight LA & US pops and soul mx. Ments of Ecuador and Santo Domingo, and Ecuadorian NA at close (Perdue 7/29, 8/6)
- 3385 PAPUA NEW GUINEA R ENB: 1208-1216 in Pidgin, ID by M "Radio New Britain, Papua New Guinea" (Poppin 7/11)
- 3390 ECUADOR R Zaracay: 0331 SP, LA mx and ID 0332 (Pineault 7/15)
- 3395 VENEZUELA R Universidad: 0229 SP, M ancr, vocals with lots of yelling (Green 7/28)
- 3396 NIGERIA MBC-Kaduna: 0457-0512 EG, ID and mx "R Nigeria, Kaduna" (Pinchuk, Pineault)
- 3482v BOLIVIA R Padilla: 0110-0231 SP, W ancr, ballads, no ID's hrd, gone by recheck 0253 (Krueger 7/12) 0233 Andean flavor mx, W w/ID then lost in QRM (Mayer 7/18)
- 3810 ECUADOR Senal Horaria HD210A: 0711-1000 w/SP time armts (Westling, Schippelliti)
- 3910 JAPAN FEN: 1151-1241 EG, pop mx, PSA's, a few military armts. ID 1159 "on 3.91 mhs, Tokyo" (Poppin, Grenier, Howard)
- 3925 JAPAN MSB: 1035-1103 JJ/EN discussion, ES lessons 1045-1100, pips, ID at good level //6055 (Krueger 7/13)
- 3930 CAPE VERDE IS R Barlavento: 0745-0800 f/o in PT, M DJ w/pops, P (Bishop 7/16)
- 3980 SOUTH AFRICA SABC: 0047-0445 EG/Afrikaans, light mx, ads, Springbok Radio ID's, TC's (6 rpters) This new Radio 5 outlet has much less commercialism--DR (3388)
- 3995 W. GERMANY DW: 0126-0201 w/themes mx, ID, TC and mx in GG (Hywarren, Leffler)
- 4485 ASTATIC SSR Petropavlovsk: 0910 in RR w/M ancr, piano and classical mx(Green)
- 4654 LAOS Houa Phan Radio: 1314 in Lao tlk (Bryan)
- 4680 ECUADOR R Nac Espejo: 0158-0510 M ancr in SP w/many echoes, ID's and TC's, mx (Cohen, Green, McClure, Dunnigan, Poppin)
- 4692 VIETNAM Quang-Minh: 1318-1327 Ran across a good carrier here while searching relentlessly for Bhutan-4690. Slight audio noted 1322 w/M in lang tlks and stronger by 1326 w/W in VV (Wiseblood 8/3)
- 4697 BOLIVIA R Riberalta: 0330-0340 SS, folklorico mx, M ancr (Krueger 7/14)
- 4750 ZATRE Lubumbashi: 0430 FR, M w/much tlk and mention of Lubumbashi. Some contemporary African mx, one pop selection (Bishop 7/12)
- 4755 BRAZIL R Dif Maranhao: 0830 in PT, Brazilian mx, ads, TC's & ID's (Bishop 7/16)
- 4756 UNID: 0420-0440 in SP, LA mx, very lively. Little tlk until 0431 when sounded like mx or something--HET from 4755 (Bogal 7/12)
- 4765 CONGO RTWC: 2309 in vernacular w/wild tribal rhythms and drum music w/vocal chants by M (Pinchuk) 0455 in FR, tlks, ID's, mx, two one minute tapes of the Internationale (Bishop) 0500 w/Internationale and full ID in FR by M(Hywarren)
- 4765 ECUADOR C.R.E: *1041 SP, NA, ID, calls, fgy, TC and preview of week's pgms-- "Radio C.R.E. R. Difusora del Ecuador" (Jones 7/12) 0025 w/mx and ads (Leffler)
- 4770 LIBERIA ELWA: EG at 0630 to 0655, F-G (Willis)
- 4770 VENEZUELA R Bolivar: 0005-0220 SP, LA mx, noticias, ID's mixed w/pop mx (Cohen, Tammewald, Lineback, Dunnigan, Kelly, Leffler)
- 4780 VENEZUELA LV de Carabobo: 0031 SP, LA mx and ads (Leffler 8/11) *1000 w/NA, ID by W. Morning show w/M DJ (Bishop)

- 4780 SURINAM SRS: 0300-0333* EG/SS w/pop mx, tlk, s/off w/NA -- I must be last in NASWA to log this! (Brooker 7/10) 0856 in Dutch w/mx, better this timer period than 0200 (Pineault 7/20) 0903 in lang pgn with their format & style music (Schipalliti 8/2)
- 4781 HONDURAS R Juticalpa: 1214-1230 SP, M DJ, fiesta mx, ads, ID's & chimes between songs, W (Kraeger 7/16)
- 4785 TANZANIA RT: 0342-0400 in Swahili. Man in tlk, drum IS, time pipe, ID and into mx (Lineback 7/21) Excellent signals as of late--DR. . . 0410 in Swahili M in tlks, mentions of "Tanzania" and "Dar es Salaam" w/some Afro rhythms (Bishop 7/26)
- 4785 BRAZIL R Ribamar: 0820 PT, Brazilian pop mx, ID, poor compared to other 60 meter Brazilians (Bishop 7/16)
- 4800 VENEZUELA R Lara: 1040 SP, LA vocals, TC's and ID (Tammerwald 7/30) 0033 with the same LA mx and TC's (Leffler 8/11) 0344 SP, LA tunes w/ID (Pinchuk)
- 4805T BRAZIL R. Itatiata: 0115-0121 * M w/tlk, islands mx, mention of Belo Horizonte, and abrupt off at 0121. Rdif do Amazonas hrd 1 kHz higher after s/off (Perdue 7/18)
- 4815 COLOMBIA R Guatapuri: 0230 SP, singing ID's followed by mx (Mayer) 0352 Colombian mx, M in tlks (Bryan) 0420 w/lively mx, mostly string, and some ads (Earhart) 0403-0513 s/off w/NA (Poppin)
- 4815 UPPER VOLTA Ouagadougou: 0557-0622 in FR, IS, ID's, Afro mx, and mx from 0612 (Bishop 7/27)
- 4820 ECUADOR R Paz y Bien: *0925 in SP, w/NA, preview of programs, TC and into tlks (Jones 8/3)
- 4820 ANGOLA R. Nacional: 2208 in PT w/light mx, QRM, barely audible (Schulman)
- 4820 HONDURAS HRVC: 0135 SP, rel. px w/mx (Leffler) 0259-0302 w/ID's in EG/SP and rel. px (Sapoznikow) 0400-0439 EG rel. px w/M ancr (Pineault, Dunnigan, Green)
- 4825 GUATEMALA R Mam: 0135-0145 SP, marimba mx, anmts in SP. Indian lang tlk by W, ID at 0135 and into mx, Fair w/HET (Roberts 7/20) 0251 (Sapoznikow)
- 4828a UHID: Probably R. Mam in Marimba mx 0213 w/women: in tlks (Field)
- 4825 DOM REP LV Fuerzas Armadas: 0356-0400* SP, ID w/skcd and s/off w/"The Death March" on trumpets -- wonder what they sign on with? (Pinchuk 7/26)
- 4832 COSTA RICA R Reloj: 0039-0850 SP, mx and lots of ID's, LA vocals (6 rpters)
- 4835 BRAZIL Rdif Teresina: 0105 in PT, pop/MOR Brazilian mx, ads, ID's 0110 (Bishop)
- 4835 GUATEMALA R Tesulutlan: 0045 w/usual marimba mx px, M ancr, ID, G (Perdue) 0140-0151* SP w/ID at s/off (Lineback) 0150-0200* Marimba mx, ID & TC, pSA's by M, s/off anmts w/freq's 0157. Anthm on Marimba to 0200* (Roberts 7/20)
- 4835 SARAWAK RM-Kuching: 1347-1405 w/ID 1400 in EG and lang "Radio Malaysia Kuching" (Poppin 7/7)
- 4850 DOM REP R Clarin: 0015-0815 LA mx w/M DJ in SP tlks, ID's. EG and FR ID's "Tour Bumber One Disc Jockey" and "ecoute notre programme. . . avec l'annonceur le plus populaire de la Republique Dominicaine. . ." (8 rpters, FR ID fm Pineault)
- 4855 BRAZIL RC do Para: 0044 PT, Brazilian guitar mx (Leffler 8/11)
- 4860 VENEZUELA R Maracaibo: 0045-0222 LA vocals, ID's and tlks (Green, Leffler, Luce) 0950 SP, w/LA mx and ID's (Spencer)
- 4870 ECUADOR R Rio Amazonas: 0243-0253 SP, Andean flute mx, ID at 0245 (Mayer)
- 4870 BEHUT LVR: 2248 FR, African chanting by M w/drums (Leffler 8/9) 0530-0610 w/politically oriented programming, speeches, cheering (McMullen, Dunnigan)
- 4875 IRIAN JAYA RRI-Sorong: 1346-1358 IN, Kronchong mx. Indo Consul General in San Francisco told me to send rpts in EG and not to be alarmed by Indo vocabulary. (Poppin 7/9)
- 4875 SOUTH AFRICA SAEC: 0415-0423 EG w/ID 0423 by M (Poppin 7/20) 0408 (Bryan)
- 4875 COLOMBIA Ecos del Combeima: 1015 SP, EL mx, SP vocals, ID's and TC's (Hoffman) 0845 SP ballads (Tammerwald) 0855 LA mx, TC (Westling)
- 4880 VENEZUELA R Universo: 0048 SP, LA mx, TC's (Leffler 8/11) 0145 w/LA ballads & many ID's (Tammerwald 7/24) 0220 (Field) 0233 w/ID (Sillings 7/27)
- 4890 PAPUA NEW GUINEA NEC: 0900-1330 w/EG tlk by M, MOR US mx, rock mx, ID's. "Late Night Show" at 1330 w/pleasant M DJ (Poppin, Spencer, Luce, Pinchuk)
- 4890 SENEGAL Dakar: 0700 in FR, M w/long tlk, no mx hrd (Hoffman 8/1)
- 4895 MOZAMBIQUE RM: Watch for RM on this frequency paralleling other 60 and 90 meter Freqs--DR
- 4900 VENEZUELA R Juventud: 0051 in SP, LA vocals (Leffler 8/11)

As we roll into September, watch for some excellent African openings -- I can already sense the improvement in the lower bands. A new Argolan has appeared in 41m., 7160kHz., so perhaps we might see some lower frequency regionals reopened as well. And remember, when you hear Bhutan, don't just log 'em, listen to some Bhutanese music. I'll pay anyone for a good level tape! Hi.....

log report *section*

4900 kHz-6200 kHz



Sam Barto 245 Cherry Ave. J-11 Watertown, CT. USA 06795

- 4904.5 CHAD RNT; 0430-0500 in FR w/ ID, cmntry, Af mx, tlks (Brooker) 2230 in FR w/ local Af. vocals, drum and flute mx (C. Hoffman).
- 4905 BRASIL R. Relogio Federal; 0109-0155 in PT w/ ID, TC every minute w/ pips lasting 5 seconds, tlks 2 M (Pinchuk, Bishop).
- 4915 BRASIL Rdf. Macapa; 0815 in PT w/ ID, tlk by DJ, LA mx (Tannenwald, Bishop) 0205 w/ tlks, (Field) 0114 w/ Brazilian pops, ID (Pinchuk).
- 4915 CHINA Nanning; 1352-1400+ in EG/CH w/ language lessons (Poppin 8/3).
- 4915 GHANA GBC Accra; 0545-0605 in EG w/ nx, ID, Af. mx (Bryan, McMullen).
- 4915 KENYA VOK; 0322 in SH w/ Af. mx (Pineault).
- 4918v UNID. 0452 in SP w/ LA mx, rooster crowing IS (McMullen 8/1).
- 4920 AUSTRALIA ABC; 1200 in EG w/ ID, TC, National nx (Jones).
- 4920 HONDURAS R. Progreso; 0430 in SP w/ LA mx, US tunes, ID (Green).
- 4932 NIGERIA Benin City; 2232 in EG w/ Af. mx, ID (Schulman).
- 4940 ECUADOR RN; 0402* in SP w/ ID, freq., NA, after Yaracuy 3/off (Bishop).
- 4940 IVORY COAST RTVI; 0610 in FR w/ Af. mx, MoR mx, ads (Green).
- 4940 VENEZUELA R. Yaracuy; 0053-0400* in SP w/ LA mx, ID, NA, (Tannenwald, Leffler, Sillings). Addr. 5a Av. Esquina Calle 15, San Felipe.
- 4944 VIETNAM VOV; 1110-1120 in VT w/ tlks by a W (lineback).
- 4945 COLOMBIA R. Colosal; 0400-0850 in SP w/ ID, LA mx, nx, TC's, chimes, Todelar nx, ads (Green, Overcamp, Brooker, Westling).
- 4950 SARAWAK RMS; 1400-1416 in EG w/ nx (Lyster 7/4).
- 4950 UNID. 0620-0635 in FR w/ Af. mx, tlks by a W (Bishop).
- 4960 ECUADOR R. Federacion; *1110 in SP w/ NA, ID, symphony mx, calls (Jones).
- 4965 COLOMBIA R. Santa Fe; 0845 in SP w/ LA mx, ID (Westling).
- 4965 HONDURAS R. Landia; 0242 in SP w/ EG/SP pops, DJ tlks, ID as "la hora centroamericana de Honduras" (Krueger 7/12).
- 4968 VENEZUELA R. Rumbos; 0055 in SP w/ ID, LA vocals (Leffler). see 4970.
- 4970 VENEZUELA R. Rumbos; 0207-0310 in SP w/ many ID's, orch. mx, LA mx, rx, (Green, Thompson, Sbordone) 0805-0953 w/ tlks, ID, LA mx, TC (spencer, westling, Luce, Tannenwald) 0636-0645 in SP w/ ID, ads, chimes, LA mx (Poppin). Apparently Rumbos is being received on 4968 and on 4970 or it could be that we are guilty of reading the frequency out of source - WRTVH.
- 4980 GHANA GBC; 0530-0625 in EG w/ TC, nx, ads, ID (Green, Brooker).
- 4980 SWAZILAND Swazi Radio; 0515-0530 in (?) w/ tlk, pop mx, (Bishop 7/17).
- 4980 VENEZUELA Ecos del Torbes; 0045-0347 in SP w/ LA vocals, TC, ID, VOA ID during the mx, (Field, Green, Tannenwald, Leffler) 1600* in SP w/ ID, vocals, chorus (Poppin).
- 4985 BRASIL R. Brasil Central; 0101 in PT w/ pop mx, ads, TC, ID (Leffler). 0510-0815 w/ mx, LA mx, clear ID's, Brazilian vocals (Dunnigan, Schipelliti, Tannenwald).
- 4985 MALAYSIA RM; 1404 in EG w/ tlk show (Tiers).
- 4990 NIGERIA NBC Lagos; 0505-0535 in EG w/ drum mx, ID, editorials, TC, MoR mx, ads (Bryan, MacKay). (Tannenwald, Green, Leffler).
- 4990 VENEZUELA R. Barquisimeto; 0105-0210 in SP w/ LA mx, ID, ballads, ads
- 5000 HAWAII WWHV; 1007 in EG w/ time pips, ID by a W (Gadouas).
- 5005 SARAWAK RMS Sib; 1414-1500* in XX w/ MoR & rock mx, ID, NA (Poppin).
- 5010 CAMEROON R. Garoua; 0500-0534 in EG/FR and in VN w/ Af. mx & chants, local mx, drums, vocals (Pineault, Bryan, Brooker, Krueger).
- 5010 COLOMBIA R. Sur Colombiana; 0100-0500* in SP w/ ID, NA, LA mx, pops, ads, nx, (Hammer, Leffler, Field, Sbordone) 1008 w/ ads, ID, nx (Krueger).
- 5020 NIGER ORTN; 0544 in FR w/ Af. chants, flute mx, string mx (Pinchuk).
- 5020 VENEZUELA RN; 0112 in SP w/ LA mx, ID (Leffler).
- 5025 ECUADOR R. Splendit; 0315 in SP w/ LA pop mx, ID, frequent mention of Quito, Andean type mx (Bishop). (Lyster).
- 5030 SARAWAK RMS Kuching; 1330-1415 in XX w/ ID, speeches, politics (Poppin).
- 5030 VENEZUELA R. Reloj Continente; 0100-0442 in SP w/ ID, LA mx, marimba mx, ads, nx, vocals, pop mx (Florian, Dunnigan, Tannenwald, Green, Sbordone).
- 5038 CEN. AF. REP. R. Bangui; 2235 in FR w/ Af. mx (Schulman).
- 5045 BRASIL R. Cultura do Para; 0215-0441 in PT w/ pop mx, ID, ballads, light mx, vocals (Florian, Bishop, Leffler). Station on extended sked.
- 5047 TOGO RT; 2045-2250 in FR w/ sports, ID, phone-in pgm. (Powell, Hoffman).

- 5052 SINGAPORE RS; 1217-1231 in EG w/ mx & nx (Tiers).
 5060 ECUADOR RN Progreso; 0306-0340 in SP w/ Andean mx, ID, local mx, (Pineault, Dunnigan) 1104 w/ TC, ID, Ecuadorian mx (Jones).
 5075 COLOMBIA R. Sutatenza; 0958 in SP w/ pop mx, ID (Spencer).
 5095 COLOMBIA R. Sutatenza; 0117-0400 in SP w/ nx, ID, LA mx, soccer at times, cmntry (Leffler, Green, Dunnigan, Poppin, Sbordone).
 5288h CYPRUS BBC; (4 x 1322). 0414 in EG w/ BBC WS nx (Golkin). (Poppin).
 5885 INDONESIA RRI Pakanbaru; 1430 in IN w/ chorus mx, rock mx, ID, vocals
 5930 CZECHOSLOVAKIA RP; *2200 in XX w/ ID, nx (Gadouas) 0325 in EG (Sbordone)
 5935 LATVIA R. Riga; *2130-2200* in SW w/ ID, nx, cmntry, mx (Gadouas 7/12).
 5960 CANADA RCI; 2250 in EG w/ "As It Happens" (Leffler, Brown) 0200-0400 in EG w/ ID, nx, mx, cmntry (Sillings, Green, Sbordone) 0200 in FR (Green).
 5960 COLOMBIA La Voz de los Centauros; 0430-0555 in SP w/ LA pops, ID, LA mx, TC, tlks on independence (Bishop, Hywarren). (Willis, Schipelliti)
 5962.4 COLOMBIA La Voz de los Centauros; 0555-0850 in SP w/ ID, ballads.
 5965 BRASIL R. Gauba; 0915 in PT w/ ID, ads (Zilmer).
 5965 MALAYSIA RM; 1423 in XX w/ guitar mx, vocals, ID (Poppin).
 5965 MONACO TWR; *0440 in XX w/ rel. mx. (Dunnigan) Need help on lang.
 5965 NIGERIA RN Jos; 2253-2302 in EG w/ rel. mx, ID (Schulman 7/10), 0440-0555 in EG w/ EG ID, Af. mx (Willis, Howard).
 5965 SWITZERLAND SBC; 0204 in EG w/ tlks on socialism, RCI, RM (Green).
 5967 DOMINICAN REP RTVD; 2320 in SP w/ MoR mx, ID, (Bishop) Help on power?
 5970 PERU R. El Sol; 0345-0532* and 0537* in SP w/ ID, group singing, ads, cmntry, rock and Andean mx, nx ending at 0530, jingles (Roberts, Poppin, Bishop, Hywarren, Pineault, Sapoznikow) 1042-1124 in SP w/ campesino mx, ID, tlks, TC, ads, local mx (Jones, Zilmer, Krueger).
 5975 ENGLAND BBC; 2255-0209 in EG w/ nx, ID, sports (Green, Leffler).
 5980 MEXICO RM; 1357 in EG/SP w/ nx, ID in EG/SP/FR by a M&W (Green).
 5980 PERU R. Panamerica; 0448 in SP w/ ID, ads, tlks, local mx (Poppin).
 5980 SOUTH AFRICA R. RSA; *2230-2320* in EG to NAM w/ cmntry, ID, nx and "Mailbag" pgm. // 9585 (Fraser, Kelly) 2256* in EG (Leffler).
 5985 INDONESIA RPI Menado; 1452-1538* in IN w/ ID, nx at 1534 (Poppin).
 5985 SOUTH AFRICA R. RSA; 2307 in EG w/ "Mailbag" pgm (Snyder).
 5990 ROMANIA RB; 0130-0200 in EG w/ cmntry, ID, nx, (Zilmer, Cohen, Sullivan).
 5995 AUSTRALIA RA; 0910-0900 in EG w/ nx, ID, mx, DX pgm (Hermann, Schipelliti)
 5995 ENGLAND BBC; 2258 in PT w/ ID, mx (Leffler).
 5995 FED. REP. of GERMANY DW; 0540 in EG w/ ID (Holmes).
 5995 VATICAN RV; 0057 in EG w/ IS, ID, rel. & world nx (Green).
 5996 MALE RM; *0600 in FR w/ ID (Willis).
 6000 HUNGARY RB; *0200-0230* in EG w/ ID, nx, cmntry (Golkin, Gadouas).
 6005 ASCENSION BBC; 0400 in EG w/ TC, ID, world nx (Florian).
 6005 CANADA CFCX; 1935 in EG w/ ID, mx, baseball (Crovo) 0005 w/ ID, nx, wx, ads (Green) 1229 w/ nx, ID (Snyder).
 6006 COSTA RICA R. Roloj; 0346-1009 in SP w/ LA mx, ID, tlks, (Spencer, Sbordone).
 6010 FED. REP. of GERMANY DW; *0130-0150* in EG w/ ID, nx, NA (Fraser, Crovo) 0500 in EG w/ cmntry, mx, schedule (Woltman).
 6010 PERU R. America; 1031 in SP w/ tlks on agriculture, ID, ads (Jones).
 6010 PHILIPPINES VOA; 1100 in EG w/ ID, nx (Brown).
 6015 VATICAN RV; *0100 in EG w/ ID, rel. pgm (Green).
 6020 BONAIRE IS. RN; *2300 in SP w/ ID, freq, nx (Leffler)
 6020 PERU R. Victoria; 1035 in SP w/ "Sinfonia de Victoria", ID (Jones).
 6025 NIGERIA RN Enugu (BIAFRA); 2240 in EG w/ rel. mx & tlks, Af. nx (Bishop, Schulman) 0550 w/ Af. mx (Willis).
 6025 PARAGUAY RN; 2330-0005 in SP w/ ID, tlks, TC, nx (Bishop 7/16).
 6025 PORTUGAL RP; *0300 in EG w/ accordian mx, ID, IS (Bryan).
 6030 FED. REP. of GERMANY SDR; 0545 in GM w/ GM light mx, tlks (Willis).
 6035 BOLIVIA R. Panamerica; 1035-1150 in SP w/ continuous pop mx, ID, TC, theme mx, jazzy & folkloric mx, stringed IS tune (Jones, Krueger).
 6035 LIBERIA VOA Monrovia; 0700-0730* in EG w/ ID, nx (Lister).
 6040 ANTIGUA DW; *0130-0150* in EG w/ ID, nx, cmntry // 6010, 6075, 6100, 9565, 9605, 11865 (Zilmer, Crovo, Sillings) 2135 in EG w/ nx, ID (Luce).
 6040 GERMAN DEM. REP. RBI; *0000-0230 in SP w/ ID, IS, TC, nx, cmntry (Cohen, Hywarren, Dunn'gn)
 6045 URUGUAY Rdf. del Uruguay; 1020-1035 in SP w/ ID, local ads, TC, ID as "El Espectador" (Jones, Krueger).
 6055 USA UNR; 0531 in FR w/ ID, nx, interviews (Pineault).
 6060 CUBA RHC; *2200-2335 in SP w/ IS, ID, schedule, cmntry (Cohen, Krueger).
 6065 SPAIN RTVE; *0100 in EG w/ "Panorama" pgm, ID (Crovo).
 6067.3 COLOMBIA R. Super; 0737 in SP w/ frequent ID's, TC, LA mx (Schipelliti).
 6070 CANADA CFRX; 1229-1900 in EG w/ ID, TC, nx, ads (Crovo, Snyder, Gadouas).

- 6075 COLOMBIA R. Sutatenza; 0845-1045 in SP w/ ID,ads, Latin mx(Hywarren),
 6075 FED. REP. of GERMANY DW; 2307 in SP w/ ID, nx //6100(Leffler). Luce).
 6075 HONDURAS LV Del Junco; 1253 in SP w/ rel. pgm., ID,ads(Jones)*1155
 6085 ANTIGUA DW; 0330 in GM w/ pop mx(Zilmer).
 6085 BONAIRE RN; 0508 in EG w/ ID, world nx, (Bryan).
 6085 FED. REP. of GERMANY DW; 0741 in GM w/ GM mx, ID, (Schipelliti).
 6090 AUSTRALIA ABC Sydney; 0742-1248 in EG w/ stock rpt, ID, nx, tlks(Lister,
 6090 LUXEMBOURG RL; 0000-0030 in EG w/ pop mx, DJ, ID, British Krueger)
 rock mx(Crovo, Green, Cohen, Kelly)1944 w/ pop mx, ID, in GM(Powell).
 6090 NIGERIA RTV Kaduna; 0510 in EG/VN w/ Af. mx, tlks(Bogel).
 6095 POLAND RP; 0300 in EG w/ ID, nx, cmntry(Sbordone).
 6100 LIBYA PRB Voice of the Arab Homeland; 2335-0008 in AR w/ tlks, ID as
 "Iza'at Al Jumhuriyah Al-Arabiyyah"//9500, 11700(Roberts). 0020 w/ AR
 vocals by a W, strings and drums, TC, fanfare, nx, DW/QRM(Hywarren).
 Jaar rpts hearing this outlet since 7/23. Most channels are noted
 to past 0100...9500, 9560, 11700, 15100(Jaar). son).
 6100 MALTA DW; *0130-0150* in EG w/ ID, nx, IS//6010, 6040, 6075(Crovo, Thomp-
 6100 NIGERIA RN Maiduguri; 0556 w/ Af. mx, tlks(Willis).
 6105 NEW ZEALAND RNZ; 0750-1030* in EG w/ ID, nx, (Altman, Schipelliti).
 6115 COLOMBIA LV del Llano; 0302 in SP w/ Coca-Cola ads, ID, LA mx(Pineault)
 6120 ARGENTINA R. El Mundo; 0546-0616 in SP w/ big band mx, time pips, ID
 6120 CANADA BBC; 0115-0215 in EG w/ ID, "Outlook", nx(Thompson). (Krueger).
 6120 SWEDEN RS; 2309-2330* in EG w/ tlks, ID, SCDX pgm, (Snyder, Leffler).
 6130 CANADA CHNX; 1310-2320 in EG w/ ID, nx, opo mx, ads, TC(Crovo, Snyder,
 6130 ECUADOR HCJB; 0756 in EG w/ rel. mx, ID(Schipe'ti)Hywarren, Hammer).
 6130 GHANA GBC; 2230 in EG/XX w/ Af. mx, ID, local mx(McLure, Westling)0700
 sign on at 0700 believed to be Ghana(Willis).
 6135 SOUTH KOREA RK; 1245 in JP w/ little mx, tlks(Bryan). (Hywarren).
 6135 SWITZERLAND SBC; 0143 IS. *0145 w/ ID, TC in EG then "Dateline"
 6135 TAHITI FR3; 0515-0640 in FR w/ tlks in TT w/ messages to the outer
 islands, light vocals, (Roberts, Krueger, Frask). //11825, 15170.
 6145 ANTIGUA DW; 0735 in GM w/ IS, ID(Frask) //6085.
 6145 FED. REP. of GERMANY DW; 2312 in GM w/ tlks, cmntry(Leffler)Antigua?
 6150 COLOMBIA LV del Huila; 0510-0810 in SP w/ ID, TC, pops, (Roberts, Schip-
 6155 JAPAN FEN; 0925-0937 in EG w/ ID, nx(Lister). elliti).
 6155 SINGAPORE RS; 1148 in ML(?) w/ chants, tlks by W, time pips(Pinchuk).
 6160 CANADA CKZU; 0051-0115 in EG w/ nx, ID, "World at Six"(Lister).
 6160 COLOMBIA Em. Nueva Granada; 0811-1015 in SP w/ ballads, LA mx, ID,
 RCN Network plugs(Spencer, Schipelliti, Westling).
 6160 ENGLAND BBC; 2315* in VT w/ nx, cmntry, into IN(Leffler).
 6165 BONAIRE RN; *0200-0320* in EG w/ "Happy Station" pgm, ID, nx, pop mx
 (Golkin, Kelly). 0500-0535 in EG w/ "DX Jukebox"(Lawrence).
 6175 ASCENSION BBC; 2200 in EG w/ BBC WS nx(Swanson).
 6175 CANADA BBC; 0225 in EG w/ rel. pgm., ID(Kelly).
 6175 MALAYSIA RM; 1427 in XX w/ mx, ID, pop mx(Bogel).
 6179v VENEZUELA R. Turismo; 0945 in SP w/ ID, pop mx, W ancr(Krueger).
 6180 CYPRUS BBC; 0200-0230 in EG w/ nx, ID, mx(Dunnigan).
 6180 ENGLAND VOA Woofferton; 0330 in RS w/ nx(Brown).
 6180 GUATEMALA RN; 0500 in SP w/ ID, tlks about Belize(Roberts)1055-1341
 in SP w/ ads, ID, drama/play TC(Jones, Green, Zilmer).
 6185 BONAIRE TWR; 0451 in AR w/ clear ID in EG then into AR(Pineault).
 6185t BRASIL R. Bandeirantes; 0814-0826 in SP(?) w/ rooster crowing, time
 pips at 0815. (Schipelliti) Why SP?
 6190 BONAIRE TWR; *0335 in EG w/ ID, freq. then into PL w/ nx(Sillings).
 6190 MOROCCO RTVM; 0625 in AR w/ AR mx, vocals(Westling).
 6190 VENEZUELA Ecos del Torbes; 1020-1100 in SP w/ ID, ads, TC, nx, LA mx,
 //4980(Spencer, Zilmer).
 6195 ANTIGUA DW; 1100 in EG w/ ID, nx(Zilmer).
 6195 CANADA CBC NS; 0114-0157 in EG w/ 90 minute bullet show w/ pop mx
 by the Stones, Beatles, Led Zeppelin; ID, ads(Sillings).
 6195 ENGLAND BBC; 2319 in EG w/ "Nature Notebook"(Leffler).
 6196 NIGERIA RN Sokoto; 0530 mixing w/ BBC w/ Af. mx. This was received
 via the regular long route African path. (Willis).

Thats it for this month gang. Remember the second annual outing for New England area DXers will be held on Sept. 11th at Black Rock State Park in Watertown, Conn. We have over 35 confirmations in so far. If you would like to attend, please call 203-274-1142. Hope to see you there.....73's....Sam.

log report section C

TOM GAVARAS, Editor
16920 17th Avenue North
Wayzata, Minnesota 55391

6205 kHz to 11700 kHz

SEPTEMBER, 1977

NOTICE! ALL REPORTS TO THE LOG REPORT SECTIONS SHOULD BE SENT TO THE DISTRIBUTION EDITOR: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 56045!

- 6205v LIBYAN WATERS Mebo II Radio Ship; 2155-2304* Pop and instrumental music and talk by a man in English announcing that this broadcast is a test program, etc. (Krueger 7/14, Pinchuk 8/4, Bishop 7/24, Schulman 7/10, Snyder 7/18, Mayer 7/22, Alexander)
- 6772 KOREA (NORTH) R. Pyongyang; 1130 talk by a man in an unidentified language w/local music//9420 (Zilmer 8/7). -I have Japanese listed for this time & freq. (editor)
- 7065 ALBANIA R. Tirana; 2321 Portuguese talk on communism (Leffler 8/9).
- 7105 MONACO TWR; *0625 English with Back to the Bible pgm (Schipelliti 7/27).
- 7105 ENGLAND BBC; 2323 Indonesian news read by a female (Leffler 8/7).
- 7105 ASCENSION ISLAND BBC; 0350 English with Question & Answer show, Pop mx (Florian).
- 7116 THAILAND R. Thailand; 1255 Thai news (Bryan 7/31). -Did you hear an ID? (editor)
- 7120 EGYPT R. Cairo; 0216 English news read by a female //9475 kHz (MacKay 6/13).
- 7120 USSR R. Moscow; 2327 SP talk about struggle against Capitalism (Leffler 8/9).
- 7125 UNIDENTIFIED; 0645 FR talk & African mx. Guinea? (McLullen 8/1).
- 7135 USSR R. Moscow; 2330 EG talk on Freedom of Russian woman vs U.S. Woman freedom 7/7165 (Leffler 8/9). -The transmitter location for this freq might be Sofia (ed)
- 7140 CYPRUS BBC; 0126 English talk by man and woman (Valko 7/22).
- 7150 USSR R. Kiev; *0030 EG news, ID, Ukraine & the World pgm (Schulman, Sillings).
- 7155 JORDAN R. Jordan; 2309 Arabic w/AR chants & National Anthem (Pineault 7/25).
- 7160 SARAWAK R. Malaysia; 1114 EG tlk & mx (Grenier). 1428 EG tlk, freq, mx, etc (Poppin)
- 7165 PHILIPPINES VOA; 1437 EG talk w/music from Allman Bros. Band (Grenier 8/4).
- 7170 NEW CALEDONIA R. Noumea; 0810-1031 FR ID & rock & roll mx (Westling, Schipelliti,
- 7175 USSR R. Moscow; 0315 EG commentary//7165, 7250 (Noonan 8/3). Pinchuk).
- 7185 SOUTH AFRICA Springbok Radio; 0610 EG pop music, ads, Time Checks (Grenier 8/1).
- 7195 CYPRUS Cyprus Bc. Corp; *2210-2229* Greek ID, news, music, etc.//9770 (Pineault 7/30, Krueger 7/23). Terry Krueger, did you hear them on 7190 or could that be a frequency measurement error? (editor).
- 7210 GERMANY (WEST) DW; 0130-0155 EG Asian Service w/nx & cntry (Speece, Valko).
- 7210 SWITZERLAND Red Cross Broadcasting Service; 2200 EG talk about Red Cross (Delong; Schipelliti). *0600 EG News about Red Cross, ID. (Pinchuk, Luce).
- 7215 BRUNEI R. Brunei; 1315 English w/Local news and mailbag pgm (Howard 7/30).
- 7215 GREECE VOG; 1640 Unid. lang w/ID, GR at 1700 (Powell). -Lang was probably Romanian (ed)
- 7215 HUNGARY R. Budapest; 2127 IS, EG ID, news to Europe (Hywarren 7/2).
- 7240 AUSTRALIA R. Australia (Carnarvon); 1242 English with pop music (Grenier 8/2).
- 7250 USSR R. Moscow; 2140-2158* English mailbag pgm to Great Britain (Hermann 7/9).
- 7264 TOGO Rf TV Togolaise; 0600 FR talk, Patriotic Chanting//5047 (Roberts, Brooker).
- 7270 POLAND Polish Radio; 0230 English talking with Polish music (Crovo 7/9).
- 7270 SOUTH AFRICA RSA; 0350 English pop music, time check, news (Howard 7/25).
- 7275 NIGERIA VON; 0600-0639 EG ID, cntry on S. Africa, etc (Howard, Westling, Pinchuk).
- 7295 MALAYSIA R. Malaysia; 1448-1630* Lang & EG talk w/Electric Organ chime, piano solo, man in English gave Malaysia's frequencies, etc. (Poppin 7/26).
- 7300 ALBANIA R. Tirana; *0000 EG news & cntry, ID (Sillings 7/18). 0235 EG cntry on communism (Woltman). 2337 Spanish news directed to South America (Leffler 8/9).
- 7345 CZECHOSLOVAKIA R. Prague; 0104-0149 EG news, DX pgm, etc. (Valko, Altman, Green). 0253 SP ID (Bryan). 0300 EG tlk//5930, 9540, 9630, 11990 (Schipelliti). 2342 SP pgm
- 7365 USSR R. Moscow; 2211-2227* EG cntry to Great Britain (Hermann 7/9). (Leffler)
- 7390 USSR R. Moscow; *2100 EG news, cntry, freq's, etc. to Great Britain (Hermann 7/17)
- 7412 ISRAEL IBA; 0500 EG talk about temperatures, Egyptian President, etc. (Earhart)
- 7600 ECUADOR HD210A Time Station; 0040-0453 time pips with Spanish time checks every minute (Ravenhorst (Hello Greg!), Krueger, Bogel, Hywarren).
- 8300nf CHINA R. Peking; *1200 Chinese dialect //8345. Excellent level (Willis).
- 9022 IRAN VOI; 2200-2348 Persian talk and music (Spencer 7/25, Leffler 8/9).
- 9355 ISRAEL IBA; 2120 Hebrew Home Service w/Big Band music & talk (Hywarren 7/2).
- 9360 SPAIN RTVE; 0115 SP tlk & mx (Trask). 2350 SP nx of University happenings (Leffler)

- 9420 KOREA (NORTH) R. Pyongyang; 1000 EG talk on US aggression, etc. (Grenier, Lister, Zilmer, Westling). -Bob Zilmer says that as of August 1, English is no longer used in this time spot and has been replaced by an unidentified language! -1448 Russian ID, schedule, Korean music, ID, etc. (Poppin).
- 9455 EGYPT R. Cairo; 0330 Arabic program w/excellent signal//9851 (Willis).
- 9470 USSR R. Moscow; 2353 Spanish talk on communism (Leffler 8/9).
- 9475 EGYPT R. Cairo; 0107-0144 Spanish request pgm w/music (Leffler, Green). *0200-0330* EG ID, music, news, cntry, etc. (Brooker, Luce, Hartsell, Sillings, Bryan, Snyder).
- 9480 ALBANIA R. Tirana; 1830 English news and Interval Signal at 1829 (Valko 7/18).
- 9500 LIBYA Peoples Revolution Broadcasting; 2209-0058* Arabic march music, chants, conversations, many ID's, etc. Very strong signal (Mayer 8/2, Noonan 8/8, Gavaras 8/20).
- 9500 GERMANY RBI; 2359* Portugese ID, etc. Then off air. (Hywarren 7/7).
- 9505 GERMANY (WEST) Radio Free Europe; *0400 Bulgarian w/IS, ID "Took E R. Svobodna Europa" into news. Jamming! (Roberts 6/7).
- 9505 JAPAN R. Japan; 0900 EG ID (Luce). 1025 EG pgm (Spencer). 1400 EG DX pgm (Altman).
- 9505 PHILIPPINES FEBC; 1626-1655 lang w/religious mx (Bogel). -I have FR listed as lang. -
- 9510 INDONESIA RRI (Ujung Pandang); 0630 Full Indonesian identification (Willis).
- 9515 AUSTRALIA R. Australia (Shepparton); *0630 EG nx, Jazz mx, etc (Hermann, Berezowski).
- 9515 TURKEY VOT; 2200-0030* EG w/IS, Sunshine pgm, Press Review, etc. (Fraser, Luce).
- 9520 PAPUA NEW GUINEA NBC; 0615-0809 EG ID, commercials, etc. (Schipelliti, Lister, Trask).
- 9525 CUBA RHC; *0630 EG ID & news (Berezowski). 2258 SP ID & talk (Green).
- 9525 INDIA AIR (Aligarh); *2100 EG ID, cntry, news, etc. (Onken, Crovo, Mc Clure).
- 9525 POLAND Polish Radio; 0200 EG news, cntry and features (Bishop, Mackay).
- 9530 BULGARIA R. Sofia; 0500 lang w/many ID's (Dunnigan). -I have GR listed as lang (ed)-
- 9530 USSR R. Moscow; 0135 EG Report of meeting of Brezhnev & other Big Shots (Mihajlov).
- 9535 CANADA RCI; 0150 Spanish talking by male & female. IS into EG at 0200 (Mihajlov).
- 9540 AUSTRALIA R. Australia (Shepparton); 0700 EG nx (Lawrence). 1202 EG nx, mx (Hermann).
- 9540 CZECHOSLOVAKIA R. Prague; *0100-0155* EG nx, cntry (Cohen, Cole, Green, Mihajlov, Brown).
- 9545 USSR R. Moscow; 2135 EG w/Moscow Mailbag (Powell 6/18). -I have 9550 listed as freq!
- 9550 NORWAY R. Norway; 0228 English sign off with address (Florian 7/11).
- 9550rf AUSTRALIA R. Australia; 1100 EG pgm. Back on air again. Think it replaces 9695 which not heard //9540 & 9580 (Zilmer 7/29).
- 9550 LEBANON R. Lebanon; 1500 Arabic announcements. Fair level (Willis).
- 9560 ECUADOR HCJB; 0230-0341 English Religious pems, IDs (Thompson, Green, Sillings).
- 9570 AUSTRALIA R. Australia (Shepparton); 0702 EG Folk songs, history (Hermann 7/16).
- 9570 ROMANIA R. Bucharest; 0150-0215 EG ID, nx, DX pgm, etc. (Mihajlov, Brown).
- 9575 ITALY RAI; 0100 English sign on with news, cntry, mx (Dawson, Crovo, Brown).
- 9580 AUSTRALIA R. Australia (Melbourne); 1128 EG Australian News Brief, pop mx (Schipelliti).
- 9580mf CHILE La Voz de Chile; 0342 Spanish ID, talk, news and commentary (Zilmer 7/23).
- 9580 PHILIPPINES VOP; 0845 English w/MOR music, mailbag, etc. (Westling 7/10).
- 9585 BRAZIL R. Excelsior; 2230 Portugese talk, nx, ads, jingles//15265 (Zilmer 8/5).
- 9585 HUNGARY R. Budapest; 0201 EG cntry (Valko). *1600 Hungarian ID & nx (Brown).
- 9585 INDONESIA RRI (Jakarta); 0955 Indonesian ID on this new channel. 100 kw (Willis).
- 9585 JAPAN R. Japan; 1300 English sign on with news & commentary (Lawrence).
- 9585 SOMALIA R. Mogadishu; 2030 Vernacular talk w/music & singing (Pyatt 7/23).
- 9585 SOUTH AFRICA RSA; 2245 English news program, Saturday Night (Brown, Dunnigan).
- 9590 MONTSERAT DW; *0128-0149* EG Carib. Hely ID, nx (Hermann, Bryan, Valko, Zilmer).
- 9595 JAPAN NSB; 0725-0845 Japanese tlk & drama (Westling, Trask). 1334 Japanese local programming w/mx & discussions (Holmes). 1545 EG & Japanese tlk (Delap).
- 9596 TURKEY VOT; 2200-2215 EG Spur or new transmitter. Strong but over-modulated signal//9515 & 11880. One day only. (Mayer 7/22).
- 9600 USSR R. Moscow; 0113 EG tlk about Neutron Bomb (Green). 0328 EG ID, mx (Mihajlov).
- 9605 CANADA DW; 0130 IS, EG ID, nx (Green). 0340 German talk w/choral mx (Mihajlov).
- 9605 SEYCHELLES FEBA; 0259 EG ID and played first line of "What a Friend we have in Jesus" (Carter). -Glad to hear that the new leftist Seychelles government did not shut FEBA down! What would the world be like with out Mary Berry! (HI) (Editor)-
- 9605 VATICAN STATE Vatican Radio; 0111 English World Religious news (Green 7/18).
- 9610 AUSTRALIA WIM9 (Perth); 1040-1503 English Horse Race, ID, news about New York Blackout (Holmes, Dunnigan, Schipelliti, Hoffman, Lawrence, Poppin, Alexander).
- 9610 MALTA DW; 0030 Portugese identification and talk (Alexander 7/6).
- 9610 USSR R. Peace & Progress; *0400 Spanish news to Latin America (Hermann 7/3).
- 9610 USSR R. Kiev; 0325 EG "Ukraine and the Modern World," etc. (Mihajlov 7/28).
- 9615 USA KGEI; 1145 Spanish news, MOR music, religious talk, etc. (Fraser 7/13).
- 9620 AUSTRIA ORF; 2121 German ID, Blue Danube IS into Classical music (Hammer 7/31).
- 9620 GERMANY (EAST) RBI; *2230 German news program (Hermann 7/23). Dunnigan
- 9620 YUGOSLAVIA R. Belgrade; *2200 EG ID, nx (Westling, Stroh, Kelly, Hermann, Luce, Crovo)
- 9625 CANADA CBC Northern Service; 1551 English program (Schipelliti 6/27).
- 9630 PHILIPPINES VOA (Tinang); 1100 Chinese ID into News (Brown 7/11).
- 9640 KOREA (SOUTH) R. Korea; *1600-1630* EG ID w/news & Korean music, ID (Onken 7/9).
- 9645 COSTA RICA Faro del Caribe; 1312 VOA SP News, ID, TC, Pop mx (Jones 7/21) VOA nx?(ed)

- 9645 GERMANY (EAST) RBI; *0000 IS, SP ID, fqys, nx//6040 kHz (Cohen 8/5).
- 9650 GERMANY (EAST) RBI; 0335 EG nx//11885 (Schulman) 0401 EG Interview (Earhart).
- 9654.8 COLUMBIA R. dif. Nacional de Columbia; 0454 SP ID & Band mx (Poppin). 1209 SP with Relay of R. Nederland SP News (Jones). -How long have they been doing that? (Editor)- 2145 Spanish talking with Classical music//15328 (Zilmer 7/24).
- 9655 UNIDENTIFIED; 2300 w/Haunting flute IS, march NA, OM in what sounded like SP w/freq announcements, IS, YL then into what sounded like a Slavic language. (Orloff 8/7).
- 9655 THAILAND R. Thailand; 1347 EG ID, talk in lang, IS, ID Chime which sounds like a low-medium pitch temple bell, mx from movie: Anna & the King of Siam (Poppin 7/23).
- 9660 VENEZUELA R. Rumbos; 0700 SP ID & Latin music (Pineault, McMullen, Trask).
- 9665 BRAZIL R. Nacional de Brazilia; 1100 Portuguese w/many ID's, talk, music, ads. Back on the air, seems to be increased power (Zilmer 7/29).
- 9665 KOREA (SOUTH) R. Korea; 1130 English news//11860 & 7150 (Zilmer 8/6).
- 9665 MALAYSIA R. Malaysia; 1503 EG ID, nx, mx tkl in Malaysian dialect, EG cmntry (Poppin)
- 9670 PORTUGAL AWR; 2040 EG IIRA pgm into V. of Hope pgm at 2100 (Schipelliti 7/28).
- 9675 PERU R. del Pacifico; 1435 SP Symphonic mx "Moon River", religious pgm (Alexander).
- 9680 AUSTRALIA VLR9; 0545-0730 EG Mr. Ward Telephone pgm, traffic report (Poppin, Trask Brooker). 1110-1308 EG News, music, etc. (Hermann, Holmes).
- 9680 USSR R. Moscow; 0200 EG news & cmntry (Hermann) -I have 9685 listed as freq! (ed)-
- 9685 ALGERIA RTVA; 2117 Arabic talk and charts (Alexander 7/3, Mc Clure 8/9).
- 9685 CUBA RHC; 0150 EG cmntry (Swanson). 0725 EG "Cuba & the World" (Sillings).
- 9690 ANTIGUA DW; 0930 German talk and news program (Zilmer 7/31).
- 9690 ARGENTINA RAE; 0345 English program with music (Swanson 7/19).
- 9690 AUSTRALIA R. Australia; 1230 English news program//9580 & 11835 (Zilmer 7/30).
- 9695 AUSTRALIA R. Australia; 1115 EG Focus on Aussie, News, cmntry (Brown 7/11).
- 9695 SWEDEN R. Sweden; 2300 EG Saturday Show (Earhart, Dawson). 0230 Talk about schools in Sweden, etc. (Florian, Borel, Kelly).
- 9700 AUSTRALIA R. Australia (Carnarvon); 1509 EG News & ABC news (Poppin 7/4).
- 9700 GREECE VOA; 15:00 English talks and interviews (Schipelliti 6/27).
- 9700 BULGARIA R. Sofia; *0000-0058* EE ID, nx, cmntry, concerts. (Golkin, Swanson, Brown, Sillings, Thompson). Are you guys sure about the frequency? See below.
- 9705 BULGARIA R. Sofia; 0013 EG DX pgm, ID; 0100 Bulgarian. (Gavaras, Earhart, Green).
- 9710 ITALY RAI; 0040 Italian talk w/US music. Russian jamming on 9715-9725 (Earhart).
- 9715 HOLLAND R. Nederland; 2248 English news and sign off (Swanson 7/9).
- 9715 PHILIPPINES FEBC; 1615 Russian talk and religious music (Delap 8/1).
- 9720 KOREA (SOUTH) R. Korea; 1800 EG Radio Nx Roundup (Alvi, Alexander, Ravenhorst).
- 9720 SRI LANKA SLBC; 1609 English ID, Religious songs, Choir mx (Poppin 7/31).
- 9720 USSR R. Moscow; 2111 EG nx & cmntry about US spendings (Alexander, Hermann, Green). 2255 English commentary (Swanson 7/9).
- 9720 USSR R. Rodina; 0204 Russian music and talking (Hermann 7/3).
- 9720 USSR R. Kiev; 0315 EG Children pgm & tkl on Cultural Societies (Bryan 7/13).
- 9720 USSR R. Minsk; *1800-1830* Byelorussian news, mx, ID, current events (Ravenhorst).
- 9720 USSR R. Vilnius; *2300 English news and commentary about Soviet Related topics. (Innat, Swanson, Sarrazin, Onken). A lot of Soviet activity on this frequency! (ed)-
- 9730 BELGIUM ORU; 0022 EG w/music and report on Belgium economy (Earhart 7/23).
- 9725 SWITZERLAND SBC; 0430 EG talk about contaminating Chemical plants (Dawson, Earhart).
- 9730 GERMANY (EAST) RBI; 0100 EG news (Stroh). 0229 EG ID, nx, cmntry (Mc Clure).
- 9735 ANTIGUA DW; 1100 SP tkl & German mx (Zilmer). 2340 German nx & ID (Dunnigan).
- 9745 IRAQ R. Baghdad; 2020 English news and music (Crovo 7/16).
- 9740 MALAYSIA BEC; 0935 BE World Service (Hoffman). 1328 EG ID & Sports pgm (Pineault).
- 9750 CHILE R. Hineria; 1033-1130 SP Banco de Concepcion ads, nx (Jones, Schipelliti).
- 9750 MALAYSIA R. Malaysia; 1453 Lang ID, Interviews, Rock music, etc. (Poppin).
- 9750 USSR R. Kiev; 0100 English commentary (Brown 6/22).
- 9760 ENGLAND VOA; *1800 English news program (Alexander 7/16).
- 9760 GREECE VOG; 0018 English news and music (Earhart 8/1, Crovo 7/31).
- 9755 CYPRUS Cyprus Bc. Corp; *2211-2230* Greek music & talking (Hywarren 7/3).
- 9770 AUSTRIA Austrian Radio; 0000 IS, German ID, nx (Brooker). 0130 EG ID, nx, cmntry. 0200 German program (Fraser, Crovo, Brown, Holmes, Cooper, Bryan).
- 9780 ALBANIA R. Peking; 0100 EG News (Brown, Cooper). 0320 EG News program (Schipelliti).
- 9770 HAITI 4VEH; 1225 English news, weather, religious program (Crovo 7/20).
- 9780 YEMEN ARAB REPUBLIC R. San'a; 0258 Arabic talk (Delap). 1615 Arabic tkl by OM (Powell)
- 9785 USSR MAYAK; 0059 Russian IS, pips on hour, talk (Noonan 8/8).
- 9790 PAKISTAN R. Pakistan; 2115-2144 EG ID, freq, nx, mx, ID, NA, off air (MacKay, Noonan)
- 9805 EGYPT R. Cairo; 2215 Bells, English ID, news to Europe (Green 7/18).
- 9810 USSR MAYAK; *2100 IS, Russian news, time check, etc. (Hermann 7/23).
- 9815 ISRAEL IBA; 2005 English news about Israel (Alexander). 2230-2300* English "Calling All Listeners" (Golkin, Lawrence).
- 9850 EGYPT R. Cairo; 0405 Arabic commentary and music (Dunnigan 6/15).
- 9940 CHINA R. Peking; 0100 EG talk about the China Communist Party (Woltman 8/1).

- 9977 KOREA (NORTH) R. Pyongyang; 1040 Unid lang w/Korean music (Spencer). 1100 New Schedule for English, change from Russian. ID (Zilmer, Grenier). 1227-1250 English propaganda with no mention of Helicopter Shutdown! (Holmes 7/24, Sarrazin)
- 10000 ARGENTINA Time Station LOL; 2230 SP Time announcements under WWV (Speece 7/13).
- 10040 VIETNAM VOV; 1130 Chinese talk (Zilmer). -I have Thai listed as lang. (editor)-
- 10060 VIETNAM VOV; 1130 lang w/local mx & talk (Zilmer). -Lang should be Vietnamese (ed)-
- 10110 CLANDESTINE (BULGARIA) R. Espana Independiente (Radio Independent Spain); 2245 Spanish political talk by YL & GM. Good w/little jamming. (Hywarren 7/7). The BBC Monitoring Service had announced that on July 14, R. Independent Spain ceased transmissions because the Spanish Communist Party had decided that its mission had been accomplished.
- 10224 VIETNAM VOV; 1130 lang talk by YL//7417 (Zilmer). -Lang should be Vietnamese (ed)-
- 10245 CHINA R. Peking; 1618 Chinese(?) talk by GM & YL, singing, etc. (Grenier 8/4).
- 10465 UNIDENTIFIED; Asian music to 1200 s/off. Good level. Perhaps USSR? (Willis).
- 11290 CHINA R. Peking; Home Service 1 heard 1100 to 1735* in Chinese. Excellent (Willis)
- 11330 CHINA R. Peking; HS 1 heard from 1100-1735* (Willis).
- 11335 CHINA R. Peking; 0635 lang talk and singing (Grenier 8/2).
- 11348v KOREA (NORTH) KCBS; 1100 Korean talk, ID, local mx (Zilmer, Willis).
- 11375 CHINA R. Peking; 1134 Spanish ID (Willis). 1314 Unid lang w/ID & tlk (Green).
- 11445 CHINA R. Peking; 1000-1200 Russian program (Willis).
- 11535 KOREA (NORTH) R. Pyongyang; 1000 EG transmission has been dropped effective August 1. English only at *1100-1250* (Zilmer). 1206 EG nx & ID (Noonan). 2220 Korean music to 2230. Talk by male (Trask 7/14).
- 11545 KOREA (NORTH) R. Pyongyang; 1100. New time for English freq. schedule w/news. Announced 11535 but heard on 11545 today, 11535 yesterday//9977 (Zilmer). -Thank you Robert for keeping us informed of the new changes concerning R. Pyongyang! (ed)-
- 11615a NUMBER STATION; 2102 Female announces "Bravo.Delta" repeated 4 times, then weird sounding electrical music, German numbers by YL. Off at 2117 with "Ende". Good in the AM mode (Hywarren 7/2).
- 11625 ISRAEL IBA; 0250 Hebrew HS with pop music (Mayer 7/25). 2203-2307* Hebrew talk, ID, National Anthem and off air. (Earhart, Powell).
- 11630 EGYPT R. Cairo; 2105 Arabic(?) w/YL chants and stringed music. Fair (Hywarren).
- 11640 PAKISTAN R. Pakistan; *2115-2145* English News, cmntry, Pakistan music. Off air at 2145. (MacKay, Hoffman, Crovo, Schipelliti, Ravenhorst, Brooker, Tiers, Schulman).
- 11645a SOMALIA R. Hargeisa; 1612 Somali local music and talk with clear ID. Then on past listed s/off. 1652 fade/out. (Bishop 7/26).
- 11650 CHINA R. Peking; 1620 EG News & Political tlk (Trask). 2005 EG pgm (Powell).
- 11655 ISRAEL IBA; 2230-2300 EG ID, nx, cmntry, etc. (Berezowski, Westling, Dawson, Crovo).
- 11685 CHINA R. Peking; 1216 English nx & cmntry to North America (Alvi).
- 11690 USSR R. Vilnius; 2305-2330* EG Mailbag, ID w/Russian music (Sillings 7/24).
- 11700 DOMINICAN REPUBLIC R. Clarin; *1900-0235+ IS, SP & EG ID, Marimba & Trumpet music, announced: "Radio Clarin is back on the air, 73's to all of you!" English broadcast from 2330-0000. (Brown, Dunnigan, Earhart, Green, Cole, Stroh, Trask, Bogel, Berezowski, Thompson, Gadouas).
- 11700nf LIBYA Peoples Revolution Broadcasting; 1600-2200 Arabic news, music, etc.//9650, 15100. Bad QRM (Mayer 8/6). 2310-2335 Arabic tlk & martial mx//9500 & 6100 (Roberts 7/30). Only one day, a strong carrier at 0450 overpowering even 11705; Koranic chants 0455 and ID by man in AA. ID was as follows except for one word at end - "Ithaa' til jumhuriyah til Arabiyah al Libiyah Elhaabia _____" by man. (Robinson 8/3). 0100 AA reports on Crisis w/Egypt//9500, 11700, 15100 (Jaar).
- 11700 VAPICAN STATE Vatican Radio; 0100-0112 English talking about Churches in Turkey. //5995 & 9605 (Earhart 7/23).

Thank You to everyone who contributed with DX Tips to the log report sections this month!! Now that the Fall/Winter DX Season is approaching, lets all get going on some serious DX-ing! Don't forget to report what you hear.

The final total for the ANARC/HAP auction was \$250.33! Again thank you to Dave Browne, Jeff White and the members of the Woodfield International DX Club! To those who did not attend, you missed a great convention!

Also, a special thank you to Dan Jamison & Co. for a fantastic weekend in Columbus! I had a great time!

Until the next (oops, sorry Glenn),

73. *Jim*

HELPING HAND! For Sale, DX-160, mint condition with Heath crystal calibrator - \$100 or best offer. Contact: R.C. Milan, 17711 Pebblewood Lane, Hazelcrest, IL 60429.

log report section



David L. Walcutt, Ed.
P.O. Box 1051,
Carbondale, IL 62901

11701 & above

SEPTEMBER, 1977

SPECIAL DEADLINE ** Because of Greg Ravenhorst's vacation plans, any contributions for the next issue that are to appear in "D" Section should be sent directly to me at the above address. No problem if you have already sent your loggings to Greg, but after you read these words up to September 15 mailing date please send loggings to me here. This will allow incorporation of the frequency changes that are due at the beginning of September. Tnx!
LANGUAGE ABBREVIATIONS - A shorter, "core" list is in the works.

- 11705 FRANCE RFI; 1732 FR, two M w/nx, cmntry (Bryan-CA 7/10).
11705 SWEDEN RS; 2300-2330 EG, lbx, SCDX (Dunnigan 6/18, Delmage 7/12); 0230-0300 EG, panorama (Hartsell 7/13, Sillings 7/29, Bryan 7/12).
11705 USA WYFR; 1445 SP, rel pgm, into EG at 1454, good (Cohen-NJ 7/30).
11709.7 ARGENTINA RAE; 2300-2350 EG, "Arg. Showcase", "The World of Science" (Golkin 7/8); 2300-2329 EG (Stroh 7/19); 2305 EG, nx, fair (D.Snyder 7/19); 2320 EG, classical mx by Argentine performers, cmntry (Tannenwald 7/29); 2333 EG, lbx, nx, cmntry (Leffler 8/10); 2340 EG, tlk, het made reception bad (Alexander 7/8).
11710 NEW CALEDONIA R. Noumea; 0612-0622 FR, march mx and anmts, wx, 0620 TC, excellent (Roberts-MAN 7/10); 0615 FR, MOR mx, strength here w/ 4kw equal to that of 7170 w/20kw (McMullen 7/26); 0625 FR, mx w/ tlk, good (Trask 7/21); 0631-0752 FR, pop mx, good (Alvi nd).
11715 EGYPT R. Cairo; 2337 AR, singing, W singer (Leffler 8/10); 0210 AR, chants by W, covered by SBC but good (Hywarren 7/24).
11725 AUSTRALIA RA; 1905 EG, nx & "Focus on Australia" (Grenier 7/27); 2100-2125 EG, sports report, orch mx, comments, R. Nederland covered them at 2125 (Thompson-NM 7/11).
11730 DOMINICAN REP. R. Clarin; 2357 EG, ID then talk about trouble with their power xmtr, I thought they were on 11700? (Pineault 7/8).
11730 GREECE VOG; 0015-0030 EG, 0030 into FR, world nx (Sullivan 7/27).
11730 HOLLAND RN; 1911 EG, "DX Jukebox" (Gadouas 7/14); *2130-2250 EG to N.Am., "Monday Pgm", Berlioz festival (Fraser 7/11); 2210 EG, "His & Hers", good (Delmage 7/12); 2232-2250 EG, stamp nx (Cole-00 nd).
11730 MALAGASY REP. RN-Madagascar; *2000-2120* EG, "DXJB" (Sillings 7/7).
11735 YUGOSLAVIA R. Belgrade; 0128* SP, martial mx, poor (Mackay 7/5).
11737.5 BRAZIL R. Goiania; 0047-0401* PT, easygoing IA & pop mx with a slow & soft-spoken W announcer, quite a contrast to the usual 25m. fare from Brazil; best 0300-0330 (DLW 8/9).
11740 AUSTRALIA RA; 0536 EG, pop mx & tlk on women in bc-ing (Grenier 7/30).
11740 HOLLAND RN-Lopik; 2105 FR, tlk, very good (Delmage 7/12).
11740 INDIA AIR; 2200 EG, nx, poor, //9525 (poor) (Zilmer 7/24).
11740 MALAGASY REP. RN relay; 1405 EG, "News Block" to S.E.As. (Cohen 8/6).
11745 ECUADOR HCJB; 1245-1400 EG, rel pgm, nx (Swanson 7/17, Green 7/30).
11750 BULGARIA R. Sofia; 2140 nx, cmntry, f w/BBC QRM (Hywarren 7/27).
11750 MALAYSIA BBC W.S. - Tebrau; 1400-1615, hear this well every morning, my best morn. fqy for BBC W.S. (Bogel-CA 7/23+).
11755 FINLAND RF; 2030 EG, IS, ID, nx, weak (Noonan 7/30).
11755 SEYCHELLES FEBA; 0305 Tamil?, IS, ID every minute or so, s/on at 0310 into rel pgm, fair (Florian 7/11); 0305-0340 unid lang., s/on w/"What a Friend" IS, good (Speece 7/14); *0310-0338* IS etc., after 0338* moves to 11900 w/IS and (?)Arabic program (DLW 8/21).
11760 CUBA RHC; 2345 SP, mx w/vocals & bongos (Leffler 8/10).
11765 BULGARIA R. Sofia; *2130 EG, nx & contest winners, good, under BBC (Delmage 7/13); 2134 EG, nx, ID's, "Youth Magazine" w/tlk on sports, heavy QRM (Sillings 7/24); 2150-2157 EG, lbx, BBC QRM (Valko 7/14).
11765 GERMANY W. DW; 0600-0615 EG, ID, nx & features (Lester 7/24).
11765 PHILIPPINES FEBC; 0745-0805 EG, rel tlk by K, good (Trask 7/13).

- 11770 NIGERIA VON; 1543-1554 EG, ID, pgm anmts, song by Nigerian pop singer, tlk on development pgm, fair/good (Bogel-CA 7/23) Many thx for your many fine reports Bill! -DLW. 1900-1910 EG, African nx then Nigerian mx, strongest ever on this freq (Mayer-IL 8/6).
- 11770 USSR R. Vilnius; 2300 EG, nx, int'l cmnt, //11790 (Zilmer 7/28).
- 11775 SPAIN RNE; 0005-0030 SP, orch mx, vocals, guitar mx, time pips (Thompson 7/29); 0138-0145 SP, tlk, "R. Nat. Esp." (Trask 7/12).
- 11781v KOREA N. R. Pyongyang; 1000-1100 EG, //9420 (Ryan 8/1?); however, they do not appear to be here at this time anymore and are using 9420 & 11534v (Ryan 8/16); 1050 EG, NA, ID, schedule & nx by M w/ heavy Korean accent, //11535 w/ute QRM (Mihajlov 7/11); 1000 EG, nx, cmnt, //9420, 9977, 11535 (Zilmer 7/21); 1035-1050* EG, cmnt on Kim Il Sung, guerilla warfare, exc., heard //6770 (Roberts 7/11); 2200 IS, ID, Korean, nx by M&W, good w/some fading (Hywarren); 1301+ FR, "Rdf. Centrale de Core", very poor but heard daily (DLW 8/21).
- 11785NF ANTIGUA/MONTS. DW relay; 1200 GM, EG ID, this replaces 11970 and is //15185 (Zilmer 7/30).
- 11785 BRAZIL R. Guaiba; 0218 PT, fast talking (Gadous 7/14); 0211 PT, many ments of Brazil, America, Canada, & Ecuador (Florian 7/11).
- 11785 SEYCHELLES FEBA; 0359 EG, ID w/ID at 0400, mx pgm until 0415 rel "Radio Today" and 0445* (Pineault 8/1).
- 11789.7 INDONESIA VOI; 1325 FR, ex-11789.2 (hi), now risen to here after a period at 11789.5; definitely a station on the move (DLW 8/21); 1400 EG, nx headlines & pop mx (Grenier 7/26); 1408 EG, news, commentary, ID at 1415, very weak signal (Pineault 7/20).
- 11790 USSR R. Vilnius; 2330* EG, on Lith. studies in Finland (Cohen 7/28).
- 11795 ANTIGUA/MONTS. DW relay, 2353 GM, classical mx (Leffler 8/10).
- 11800 SEYCHELLES FEBA; 0357 EG, IS, s/on to E.Afr., fair (Florian 7/11).
- 11800NF VATICAN VR; 0100-0115 EG, this is a test freq for August & maybe Sept. xmsn from 0000-0130 in SP, EG, & FR to N.Am. (Schipelliti 7/24).
- 11810 CHILE R. Nacional; 1445 SP, ID, nx, cmntry (Bryan 7/31).
- 11825NF CHILE V. de Chile; 1030 EG, irrigation project tlk (Pineault 7/20).
- 11825 PORTUGAL? RFE; 0040 Bulgarian, IS & s/off (Hermann 7/10).
- 11825.0 SOCIETY IS. 0230-0258 TT, Poly. mx (Sullivan 7/17); 0525-0600 children singing (Trask 7/11); 0600-0630 FR, MOR mx w/tlk (McMullen 7/27); drift problem now corrected as of 0225 today (DLW 8/21).
- 11830 NETH. ANTILLES TWR; 2159 EG into FR pgm w/mx (Schipelliti 7/24).
- 11835 LIBERIA ELWA; 2025 AR, not to be confused w/Algeria or Sudan (Jaar); *1952 carrier on w/clear IS and EG ID's, Arabic heard at 2002 by W; beneath "RS 4VEH", however, which comes on at *1951 (DLW 8/16).
- 11835 URUGUAY R. El Espectador; 0133 SP, many ads and mentions of Rio de la Plata (Bryan-CA 7/13).
- 11840 VATICAN VR; *0100-0115 EG, nx & rel nx, their search for a clear channel goes on; French at 0116 (Brown 7/12).
- 11845 CANADA RCI; 0200 EG, 0300 EG, nx, features (Luce 8/4, Green 7/14).
- 11845 SEYCHELLES FEBA; 0400 EG, IS, ID, "Music Break" pgm (Green 7/10).
- 11845 USSR RM; 1610-1631* EG to Asia, nx, mx, lbx (Hermann 7/9).
- 11845 VATICAN VR; 0100 EG, discussion East/West churches (Cohen 7/23).
- 11850 SWITZERLAND SBC; 0005 FR, nx, cmntry (Leffler 8/11); 2300 PT, IS, nx, //9625, 9750, 15305 — all worse (Noonan 8/7).
- 11850 USSR RM; 0115-0130 EG, "Moscow Mailbag", listeners' questions answered, including two of mine (Sullivan 7/17).
- 11855 AUSTRALIA RA; 1230 EG, nx, fair (Zilmer 7/30).
- 11855 PHILIPPINES FEBC; 1105-1115 Tagalog, nx to 1105 when ID and into rel pgm (Roberts-MAN 7/11); 1521-1545 EG, rel (Alvi nd); 1538 EG, talk on Philippine folklore (Grenier 7/27).
- 11855 SAUDI ARABIA BSKSA; 2115 EG, mx, covered by VOA at 2120 (Altman 8/8).
- 11855 USA WYFR; 0007 SP, rel pgm, "La Palabra de Dios" (Leffler 8/11).
- 11860 KOREA S. R. Korea; 1130 EG, nx, //9665, 7150 (hrd?-ed) (Zilmer 8/6).
- 11860 NORWAY RN; 0008-0018 EG, misical numbers, talks about summer theaters, political parties; QRM WYFR 11855 & DW 11865, fair (Earhart 8/1); 0008 EG, review (Sillings 7/18); 0316-0328+ NW, much conversation! (Poppin 7/25); 0324 EG/NW, fair (Holmes 7/13).
- 11860 TAIWAN BCC/VOFC; 1050 Khmer/Korean, trad. Chinese mx, Khmer anmts by W, "Thin Taipei, BCC" and freq anmt into Korean w/ID, fanfare, nx; fair/good but modulation hums (Roberts 7/11).
- 11870 NORWAY RN; *2100 NW, fair (Delmage 7/12).
- 11880 CANARY IS. RTVE relay; 0130-0400 EG to N.Am. (5 reporters).
- 11880 TURKEY TRT; 2009-0430 TK/EG/TK "your sunshine radio" (6 reporters).

- 11890 GERMANY E. RBI; *0330-0337 EG, nx, mx (Pineault 7/28, Poppin 7/25).
- 11900 SEYCHELLES FEBEA; *0340-0359+ unid lang, AR?, IS and talks, jumps to here from 11755 at 0340 (Zilmer 7/28, Hammer 7/22, DLW 8/21).
- 11905 ITALY RAI 0100-0105 EG, IS & into SP to L.Am. (Schipelliti 7/7); 0405 EG, nx to South Asia, good (Florian 7/11).
- 11905 SWEDEN RS; 0039-0052 EG, more people are escaping from prison in the summer due to vacations of regular guards (Earhart 7/23); 0130 SP, ID's and into Spanish, good (Trask 7/12).
- 11915 TAIWAN VOFRC; 1354-1400* CH, haunting vocals (Poppin 7/24).
- 11920 CHINA RP; 1546 CH, mx followed by M&W tlc (Powell-UK 6/16).
- 11920 ROMANIA R. Bucharest; 1930 EG, nx, heavy QRM (Berezowski 7/13).
- 11925 BRAZIL R. Bandeirantes; 0005-0011 PT, local mx & ID (Sapoznikow 7/17); 0225 PT, tlc by M, mx (Gadouas 7/14).
- 11925 NETH. ANTILLES TWR; *0035-0133 EG, rel (Golkin 7/20, Lister 7/6).
- 11935 AUSTRALIA RA; 0605-0615 EG, world nx, cmntry (Trask 7/11).
- 11935 PORTUGAL RP; *0300-0330* EG, nx & sport nx, cmntry (8 reporters).
- 11938.7 SINGAPORE RS; 1300 EG, Cambodia no longer here, 1937, so don't confuse (Willis-AUST); 1438-1447+ EG, BEC transcription; PSA "Set volume of your radios to a decent level" (Poppin 7/20); 1530 EG; classical mx & nx (Grenier 8/4); 1610-1632* EG w/US mx, "Midnight Cowboy", R&R, ID 1629, NA, s/off (Delap 8/4); 1315 EG, light mx, jazz, 1330 time beeps; I believe freq deliberately offset to avoid R. Moscow & what appear to be Chinese jamming on 1940 itself; on Aug. 16 Singapore was on precisely 1940.0, which shows they can get on channel if they want to (DLW 8/20).
- 11940 ROMANIA R. Bucharest; 1935-2030* EG, nx, "R. Newsreel" (Sillings 7/21); *2100 EG for Europe, nx (Delmage 7/11).
- 11940 USSR RM; 0632-0646 EG, ID, nx, cmntry (Lister 7/21).
- 11945 UK BBC; 1115-1130* Slovak, nx?, off w/mx, fair (Earhart 7/11).
- 11950 USSR (Kazakh SSR) R. Alma Ata; 0020 RS, ID, mx (Pineault 7/24).
- 11960 USSR RM; 0030-0100 EG, buried beneath HCJB's SP (Hermann 7/17).
- 11965 SPAIN RNE; 0100-0130 SP, orch mx, tlks, vocals (Thompson 8/5).
- 11970NF ROMANIA R. Bucharest; *2100-2125* EG, local info, mx (Zilmer 8/7).
- 11970 USSR RM; 2005 EG, apparently jammed by own Soviet jammers probably aimed at RFE/RL; jammers run by KGB not by R. Moscow (DLW 8/19).
- 11990 CZECHOSLOVAKIA RP; *0100-0155* EG to N.Am., nx, rev. of Czech press, folk mx (Golkin 7/26); 0140-0155*, cooperation in tech. fields with other E.Eur. countries (Earhart 8/3); 0200 SP, ID & time by W (Green 7/11); *1730-1749 EG to Afr., nx, lxb (Hermann 7/10).
- 12000 AUSTRALIA VNG; 0530 EG, ID, //7500 (Heard //?-ed) (Westling 7/7).
- 12005 EGYPT R. Cairo; 2045-2116 AR, tlc & vocal number (Earhart 8/1).
- 12010 USSR RM; 1800 RS, IS, time pips, nx, Monrovia QRM; Khabarovsk, Asian USSR (Bryan 7/10).
- 12035v VIETNAM VOV; 1155 unid lang., tlc, poor (Zilmer 7/24). 12033.8?
- 12040 UK BBC; 1715 AR, Arabic mx & chanting (Bryan 7/10).
- 12078 ISRAEL IBA HS via Israel R.; 2120 HB, beautiful mx (Green 7/14).
- 12140 ROMANIA R. España Ind.; 1920 SP, cmntry, tlc, ute QRM (Gadouas 7/14); 2116 SP, lots of tlc, ID, CW QRM (Green 7/14). Last day!
- 15000 USSR RWM; 2140 time ticks, CW ID (Cohen 7/23).
- 15100NF LIBYA PRES; 0925+ AR, noted daily carrying mostly reports on crisis w/Egypt, songs, & marches, heard earlier here than on the other freqs of 6100, 9500, 11700 (Jaar 7/23+). Schedule may have since been adjusted, as BBC WRC 8/10 gave 1100-1600 on 15100-DLW.
- 15120 NIGERIA VON; 0624 unid lang., nx, poor this late (McMullen 7/27).
- 15130 NEW ZEALAND RNZ; 0215-0502, musical program (12 reporters).
- 15140 AUSTRALIA RA-Shepparton; 0230-0530 EG (Thompson 7/30, Green 7/30).
- 15145 BRAZIL R. Jornal do Comercio; 0344* PT, sport event (Howard 7/15).
- 15150 GERMANY W. DW; 1930 EG, African Svc., nx (Hammer-OH 7/24).
- 15155 FRANCE RFI; 0737 FR, tlks & pops, good (Hywarren 7/24).
- 15155 SOUTH AFRICA R. RSA; *1655 DT, IS, QRM from RFI (Berezowski 7/13).
- 15160 AUSTRALIA RA-Lyndhurst; 0537 FR, pop mx (Green 7/30); 0605 EG, nx, //15205, 15240, 15320, 17870 (Westling 7/25).
- 15160.4 MEXICO XEWV-LVAL; 1500-1530 SP, soap opera, commercials, ID's, good as a local station (J.Cole nd); 2220-2300 SP, "todos el 'X'-EW", from the monumental "Plaza Mexico", peculiar audio (DLW 8/20).
- 15165 DENMARK RD; 1200 EG/DN, ID as bc only in Danish (Altman 7/23); 1559-1605 EE/DN ID into Danish (Ihnat 7/8); 1658-1706*, EG ID at 1700 mentioning programs at 1200 & 1600, march mx (Overcamp 7/24).
- 15175 USSR RM; 0348-0416 EG, "Younger Gen Pgm", poor (Hermann 7/9).
- 15185 ANTIGUA/MONTE. DW; 1200 GM, EG ID, nx, mx, //11785 (Zilmer 7/30).

- 15195 JAPAN NHK; 1100 EG, General Svc. to Asia, fair (C.Hoffman-PA 8/3).
- 15200 VATICAN VR; 2330 SP, bells, ID, harp mx, nx (Noonan 8/6).
- 15205 AUSTRALIA RA; 0435-0525 EG, //15320 etc., fading, site? (Holmes 8/9).
- 15205 MOROCCO VOA-Tangier; 2125* EG, neutron bomb cmnt, g (McClure 7/19).
- 15225 TUNISIA R. Tunis; *0300-0310 AR, ID, NA into Koran, f (Mayer 7/26).
- 15230 AUSTRALIA ABC-Melbourne; 0500 EG, ID, TC "It's 3:00 Eastern Time" (Westling 7/7); 0710-0715 EG, Australian nx, good (Trask 7/8).
- 15230 ISRAEL Israel R.; 1757-1805 RS?, IS, W tlk (Trask 7/12).
- 15240 AUSTRALIA; RA-Lyndhurst; 0550 EG, rugby match (Grenier 8/6).
- 15240 YUGOSLAVIA R. Belgrade; 1533 EG, nx foll'd by lcl mx then report on opening of new copper mine in Yugo. (Powell-UK 7/14); 1530-1545 EG, ID, freqs, nx, mx (Alvi nd); 1545 EG, speech by W, mx (Mackay 7/4).
- 15255 NETH. ANTILLES TWR; 1330 EG, "Radio Bible Class" (Swanson 7/17).
- 15260 CANADA RCI; 1810 EG, nx and magazine (Pyatt 8/4); *1900 EG, man did nx, ID's, daily magazine program (Sillings 7/21).
- 15260 ASCENSION IS.? BBC; 2016 SP to S.Am., mx, tlc (Gadouas 7/13).
- 15260 JAPAN FEH-Tokyo; 0830 EG w/older R&R and pop tunes (Ryan 8/16).
- 15265 FINLAND RF; 1900 EG, review of the week, poor, //11755 (Zilmer 7/23); 1900 EG, nx, press summary re: hijack of Soviet plane (Powell 7/12).
- 15270 AUSTRIA ORF; 2354 GM, IS, ID, s/off, QRM from NHK (Florian 7/11).
- 15270 CHINA R. Peking; 1309-1311 EG, propaganda (Tiers 7/10). Details?
- 15270 JAPAN NHK; 0005 EG to N.Am., talk on industry (Cohen-NJ 7/29).
- 15273 URUGUAY SODRE; 0034-0121 SP, M DJ, English language rock mx e.g. Eagles, Chicago, W w/ID as "CX4" at 0100, good to 0121 (Krueger 7/15).
- 15275 NETH. ANTILLES TWR-Bonaire; 2210-2216* unid lang, rel (Trask 7/9).
- 15290NF AUSTRALIA RA; 0320-0330* EG, pop mx pgm w/W DJ, NOT //15320 etc., Darwin testing? Not heard subsequently. (DLW 8/19).
- 15290 ARGENTINA R. El Mando; 0305 SP, weak, also Syria here (Jaar nd).
- 15290 GERMANY W.? RFE/RL; 2100 RS, IS (Luce 8/3).
- 15290 PHILIPPINES VOA-Tinang; *2200 EG, slow nx followed by "Breakfast Show" (C.Hoffman 7/12); 2245 EG, pest control talk (Powell-UK 7/3).
- 15305 SWEDEN RS; 1400 EG, nx & magazine, f (Pyatt 8/3); 1402 EG, nx, ID's, "Panorama", QRM (Sillings 7/21); 1415 EG, "SCDXers" (Crovo 7/26).
- 15305 SWITZERLAND SBC; 0705+ EG, "Dateline" w/nx, good (Trask 7/26).
- 15310 BULGARIA R. Sofia; 2300 EG, IS, s/on ID, poor (Florian 7/11).
- 15310 ECUADOR HCJB; 2015 EG, "DX Party Line" (Swanson 7/16).
- 15315 FRANCE RFI; 1600-1655 EG, "Paris Calling Africa" (Crovo 7/28).
- 15315 UK BBC; *1630 RS, IS, medium QRM from R. France I. (Mackay 7/4).
- 15320 AUSTRALIA RA; 0020-0040 FR, EG rock mx, greetings to listeners, mx "Oxygene" (Hermann 7/24); 0100-0110 EG, nx read by M (Sullivan 7/29); 0100 EG, ID by M w/nx of Australia, USA, mx, to N.Am. (Green 7/28); 0106-0128 EG, nx, "Focus on Aust." about industry, underground rail link, editorial re: PNG (Hermann 7/22); 0120-0145 EG, "Hey Baby" by Ringo Starr, orch mx, ID's & freqs, TC, nx in brief (Thompson 8/3); 0146-0215 EG, lbx, ID, nx, mx, unbearable QRM - had to turn off (Golkin 7/9); 0300 EG, nx (Cole-CD nd).
- 15320 AUSTRIA ORF; 1857+ GM, guitar IS, QRM from RCI, RFI (Noonan 7/27).
- 15325 CANADA RCI; 2030 EG, world news (Swanson 7/16).
- 15325 PAKISTAN RP; 0200 Indonesian, EG ID, tlc & lcl mx, //17665 (Zilmer 8/3).
- 15325 UGANDA UBC; *1800 EG, Afr. & US mx: "This Land Is Made For You And Me" (hi-DLW), followed by nx; 1830 into FR (C.Hoffman-PA 8/7); *1800-1810 EG, IS, ID, nx, barely audible under RCI QRM (Bishop 7/26).
- 15327.7 COLOMBIA R. Nacional; RCSSB, lower; 2130 SP, classical mx, fair (v) (Zilmer 7/24); 0216 SP, mx, severe QRM from AFRTS (Valko 7/22); 0455-0459* SP, ID, NA, strong; AFRTS off today (Mackay 7/9).
- 15330 USA AFRTS via VOA-Dixon; 0220-0223, Pittsburg vs Reds (Valko 7/22).
- 15335 EGYPT R. Cairo; 2130-2200* FR, tlc & mx, poor (Zilmer 7/25).
- 15340NF AUSTRALIA RA; 0140 EG, tlc pgm, v.weak //15320 (Mackay 7/14); 0705 EG, world nx, //15355, 15320 (Trask 7/9). Maybe more Darwin tests?
- 15345 ARGENTINA R. Nacional; 1501-1530 SP, nx, classical mx (Hermann 7/16).
- 15345 GREECE VOG; 1220-1227 EG, local nx, //17830, poor (Zilmer 7/23).
- 15349.4 LUXEMBOURG RTL; 1700-1735 FR, pop mx, tlc, ID, fair (Alvi nd); 2030-2208 FR, pop & EG mx, nx on the hour, ID at 2055 and 2207 in EG: "Music Radio RTL" (Gadouas 7/13).
- 15349.6 ZAIRE LVZ; 0000 FR, nx w/Afr. mx, het (Sarrazin 8/3; DLW:freq).
- 15355 AUSTRALIA RA-Shepparton; 0700 EG, freq checks, nx (Trask 7/19).
- 15390 SWEDEN RS; 0541-0600 SW, EG narration w/mx background (Poppin 8/2).
- 15390 PHILIPPINES FEBC; 0435 EG, nx (Westling 7/17). More details? -DLW
- 15400 VENEZUELA R. Nacional; 2203-2250 EG, mx, info about Venezuela, bilingual SP/EG ID's (Innat 7/13, Luce 8/2).

- 15405 USSR RM; 1100 EG, world today, fair (Zilmer 8/2); 2300-2330 "R. Vilnius" EG, Lithuanian nx, lbx, very good (J.Cole nd); 2300-2307 EG, "R. Vilnius", general info re:Lithuania, lbx (Hermann 7/17); 0030 EG, "R. Kiev", N.Am. svc., nx, "Ukr. Panorama" (Sillings 7/27).
- 15410 ANTIGUA/MONTS. DW relay; 0000-0030 GM, IS, ID, nx, talks, comments on Ethiopia & Somalia, orchestral mx (Thompson-NM 7/28). However, I have Kigali listed in BBC MS; please see next logging! -DLW
- 15410 RWANDA DW-Kigali; 0149 GM, German mx, s/off, anthem, ID for Kigali relay (Bryan-CA 7/13).
- 15410 AUSTRALIA RA-Carnarvon; 0200 EG, time pips, pops (Green 7/14).
- 15415 ISRAEL Israel R.; *0345 RS, nx them jammed right away (Zilmer 7/27).
- 15420 JAPAN NHK; 0130 EG, nx, poor (Zilmer 7/24); 0133-0145 EG, nx, wx, re: pollution, children's organization, poor (Hermann 7/22).
- 15425 AUSTRALIA ABC-Perth; 0400-0420 EG, imports/exports tlk (Hammer 7/13); 0430 EG, local news (Westling 7/7).
- 15425 SRI LANKA SLBC; 0135 EG, mx to rel. pgm (Pinchuk-NJ 7/28); 0159 EG, ID by W during RM pause, otherwise under RM, poor (Lineback 7/24); 0208 EG, ID, then poor due to QRM from Russian radar or whatever it is (THE PULSER) (David Snyder 7/27).
- 15425 TAIWAN VOPG; 0056 CH, tlk (Grenier 8/4); 0100-0200 EG, ID by W, nx by M, Chinese mx, QRM from RM & SLBC (Onken 7/6); 0109 EG, M w/nx and commentary on US/Taiwan relations (Green 8/3).
- 15425 USSR RM; 1330 EG, IS & ID, nx, poor, QRM-APRTS (Brown 7/11); 2230-2257 EG to N.Am., cmntry on their constitution, poor (Hermann 7/17); 0150-0200 EG, ID, freqs, nx, mixing w/SLBC (Lineback 7/24); 0300-0330 EG, "R. Kiev", nx, orch mx, "Ukr. Panorama" (Thompson 7/30).
- 15435 TANZANIA RT; 0453-0500* EG, Afr. mx, TC, 90% readable (Mackay 7/5).
- 15455 USSR RS Rodina; 1450-1500 RS, mx into Mayak at 1700 (Hermann 7/9).
- 15485 ISRAEL Israel R.; 2233 EG, nx & cmntry (Grenier 8/2).
- 15490 USSR RSP&P; 1646-1658 FR, detente, Africa, poor (Hermann 7/23).
- 15505 USSR RM; 1630-2055 EG to Africa (5 reporters).
- 15520 PAKISTAN RP; 1630-1645* EG, nx at slow speed (Zilmer 7/23).
- 17650 PAKISTAN RP; 0215+ IN, cmntry, mx, fair (McClure 7/13).
- 17650 CHINA RP; 0231-0258 SP, Chinese mx (Thompson 8/3).
- 17680 CHINA RP; 0130 EG, nx, cmnt, mx, fair (Zilmer 7/24).
- 17700 HOLLAND RN; 1910 EG, "DX Jukebox" (Alexander 7/14).
- 177755 ECUADOR HCJB; 1600 EG/Romanian, rel (Green 7/31); 1925 EG, "Passport" (Alexander 7/14); 2000 EG, "DXPL" (Cohen-NJ 7/23).
- 17795 AUSTRALIA RA-Shepparton; 0145 EG, pop mx (Luce 8/4); 0240 EG, "Club Forum", good signal with fading (Cohen-NJ 8/6).
- 17815 BRAZIL R. Cultura de São Paulo; 2358 PT, nice mx, ID at 0000 (Pineault 7/15); 0020 PT, lite mx, W announcer (Bishop 7/2).
- 17815 ISRAEL Israel R.; 1850-1930 RS?, trumpet fanfare, tlk (Trask 7/18).
- 17820 CANADA RCI; 1617 RS, ID by M (Green 8/5).
- 17830 GREECE VOG; 1220-1227 EG, local nx, //15345, fair (Zilmer 7/23).
- 17830 PAKISTAN RP; 0230-0245* slow nx (McClure 8/2, Florian 7/11); 0518 Swahili, Arabic chants w/flute & drum (Pinchuk-NJ 7/26).
- 17840 CZECHOSLOVAKIA; RP; 1823 EG into IS (Noonan 7/27); 1825-1840 CZ?, this time/freq is not scheduled (Delap 7/31).
- 17840 NORWAY RN; 1405 EG, "NTW", better than 15175 (Cohen 7/30); 1409-1416 NW, pop mx & ballads, ID at 1413 and M&W tlk (Earhart 7/23).
- 17885 CUBA RHC; 2115 EG, sports in Cuba, informative (Pyatt 8/6).
- 17890 TAIWAN VOPG; 1440-1450 JP w/accordion mx (Delap 8/1); 2150-2240 EG, politico-economic cmntry (Bryan 7/10, Earhart 7/28); 2250 CH, IS, tlks (Westling 7/9); 0137 EG, Chinese string mx (Pinchuk 8/2).
- 17895NF AUSTRALIA RA; 0632-0640 EG, mx, ID, tlk, poor, //17870 (Trask 7/25).
- 21485NF AUSTRALIA RA; 0230 EG, ID, nx, reactivated freq? (Green 8/5).
- 21485 USA VOA-Bethany; 1750 EG, aid to cities (Milhajlov 8/3).
- 21495 PORTUGAL RP; *1330 PT, NA & s/on, nx (Mackay 6/12).
- 21500 ISRAEL Israel R.; 1830 HB, nx, mx, poor (Zilmer 7/23).
- 21520 SWITZERLAND SBC; *1315 EG to Indian sub-cont., weak (Mackay 6/12).
- 21560 ITALY RAI; *1707 IT, IS, to Africa (Mackay 6/12).
- 21605 KUWAIT RK; 0945 AR, nx at 1000 (Jaar nd).
- 21610 KU BBC W.S.; 1255, pop mx, weak, //21710 better (Mackay 6/12); 1405 interview w/Kenny Rodgers, and his music (Green 7/21).
- 21640 NETH. ANTILLES RN-Bonaire; 1720 DT, short nx reports (Green 7/21).
- 21670 USA VOA-Greenville; 1800 EG, special EG nx (Milhajlov 8/3); 2240 EG, end of mx, ID, world nx (Green 7/18). Thought 1900* -DLW
- 30660 USA APRTS via VOA-Bethany; 2 x 15330, NPR reports etc. (Hutchins 7/29).



FRENDX CREDITS

Distr. Editor: Greg Ravenhorst

Rural Route, Hollandale, MN. 56045

Another month gone. Hard to believe! Thanks to 83 Reporters this time. BETTER!

Brian ALEXANDER, Mechanicsburg, PA (DX-160)...Richard ALTMAN, Knox, PA (DX160)
Jamil ALVI, Saskatoon, Sask, Canada (Sanyo 16HA-862P)...Robbie BEREZOWSKI,
Calgary, Alta, Canada...Gerry BISHOP, Christiansa, PA (DX-160)...Bill BOGEL,
Santa Barbara, CA (FRG7)...Mike BROOKER, Toronto, Ont, Canada (TFW 8000W)...
Robert BROWN, Youngstown, OH (R-300)...W. Noel BROWN, Ann Arbor, MI (SB313).
Josephine BRYAN, Tracy, CA (FRG7)...David CARTER, Shreveport, LA...Jon COHEN
Willingboro, NJ (FRG7)...J. COLE, Denver, CO (SW4A)...Jim COOPER, Brandon, MS
(SPR4)...G.D. DAWSON, Sherwood Park, Alta, Canada (ICF-5900W)...Joe DELAP,
Prairie Grove, AR (FRG7)...Mickey DELMAGE, Brandon, Man, Canada (Electrohome)
Kenneth DELONG, Topton, PA (ICF-5900W)...Bobby DUNNIGAN, Boone, NC (FRG7)...
Kenneth EARTHART, Allentown, PA (FRG7)(a pleasure to meet you at ANARC, ken).
Marlin FIELD, Hillsdale, MI (SPR4)...Jay FLORIAN, Round Lake, IL (SPR4).....
Robert FRASER, Cohasset, MA (XCR-30)...Aaron GADOUAS, St. Albans, VT (DX160)
Jon GOLKIN, Glen Head, NY (DX-160)...George GREEN, Houston, TX (DX-160).....
Pete GRENIER, Azusa, CA (FRG7)...Dan GROVO, Florence, MA (DX-160)...Dave
HAMMER, Columbus, OH (SPR4)...Harry HARTSELL, Lompoc, CA (FRG7)...Frank
HERMANN, Kitchener, Ont, Canada (DX-160)...Charles HOFFMAN, Manheim, PA (FRG7)
George HOLMES, Ft. Collins, CO (DX-160)...Ron HOWARD, Santa Barbara, CA
(HQ-180A)...Charles HUGHCHINS, Rufford Pt, Me, (FRG7)...Aaron HYWARREN, Winni-
peg, Man, Canada (ICF-5900W)...Joe IHNAT, Jr, Coracopolis, PA (DX-160)...
Victor JAAR, Charlesbourg, Que, Canada...Jack JONES, Jackson, MS (DX-160)...
Paul KELLY, Dunnville, Ont, Canada (DX-160)...Terry KRUEGER, Casselberry, FL
(QR-666)...Dan LAWRENCE, Wynyard, Sask, Canada...Irving LEFFLER, Brooklyn, KY
(SPR4)...Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...Tom LISPER, Gold
River, BC, Canada...Daniel LUCE, Austin, TX (EC-348)...James McCLURE, Lex-
ington, KY (R390A)...Bill McMULLEN, Ann Arbor, MI (DR-22)...Don MACKAY,
Newark, DE (SPR4)...Publisher Alan MAYER, Park Forest, IL (SPR4)...A. MIHAJLOU
Chicago, IL...Timothy HOONAN, Milwaukee, WI (SW4A)...John ONKEN, Metamora, IL
Rich ORLOFF, Syracuse, NY...Neal PERDUE, Falkville, AL (HA-600A)...Robert
PINCHUK, Cinnaminson, NJ (FRG7)...Andre PINEAULT, Ancienne-Lorette, PQ, Canada
(FRG7)...George POPPIN, San Francisco, CA (FRG7)...David POWELL, W. Glamorgan
UK (FRG7)...Edward PYATT, Conway, SC (XCR-30)...Editor Greg RAVENHORST,
Hollandale, MN (R4C)...Jim ROBERTS, Winnipeg, Man, Canada (Eddystone 940)...
Editor Dan ROBINSON, Washington, DC & Levittown, PA (SPR4)...Garry SAPOZNIKOV
Winnipeg, Man, Canada (FRG7)...David SARRAZIN, Denver, CO (Unelco 1914)(has
anyone ever seen a Unelco 1914? ...Peter SCHPELLITI, Burlington, MA (FRG7)
Neil SCHULMAN, Brooklyn, NY (FRG7)...John SILLINGS, Cornwall, NY (SW-717)...
David SNYDER, Brooklyn, NY (DX-160)...Herman SPEECE, Jr, Union Grove, NC...
James SPENCER, Oklahoma City, OK (FRG7)...Ed STROH, Riverdale, IL (SPR4)....
Patrick SULLIVAN, Concord, MA (R390A/URR)...Richard SWANSON, Wellman, IL
(DX-160)...Leon TANNENWALD, New York, NY (SPR4)...Glenn THOMPSON, Deming, NM
(HQ-145A)...Mike TIERS, W. Vancouver, BC, Canada...Ray TRASK, Vancouver, BC
Canada...Dave VALKO, Dunlo, PA (DX-160)...Mark WESTLING, Austin, TX (FRG7)...
Mike WILLIS, Hampton, Vic, Australia, (Trio 9R59DE)...Frank WOLTMAN,
Cambridge, WI (DX-160)...Robert ZILMER, Milwaukee, WI (SPR4/R390A).....

HELPING HAND Wanted: I am looking for a good pair of communication head-
phones. If someone is interested in selling theirs, please drop me a post-
card telling me the price, type, condition & address. Write: Alexander
Mihajlou, 1353 W. Fargo Ave, Chicago, IL 60626

HELPING HAND For Sale: National HRO-500 receiver in excellent condition.
w/speaker & manual. Recently aligned. Shipped postpaid by UPS. \$675.
Write or call (not collect): Ken Duke, 5035 Bridgeport Rd, Columbus, OH 43220
(614) 457-9548 is the phone #.

HELPING HAND Needed: Some advice on how to send in a QSL report on a Radio
Budapest special QSL card with no data on it. Any advice would be much
appreciated. Write: Myron L. Gercken, 558 N. 5th St, Waukegan, IL 60970
THAT'S ALL for this time. While you are reading this page in September, I'll
be "suffering" through my tour of Radio Nederland. Sweet suffering! 73's, *Thag*

NASWA

NORTH AMERICAN SHORT WAVE ASSOCIATION • POST OFFICE BOX 13 • LIBERTY, INDIANA 47353 U.S.A.
Publishing **FRENEX** Monthly **Unity and Friendship**

NASWA'S dues are \$13.00 per year for members in North America, and for delivery via First Class Mail. Overseas dues are the same, but airmail is available for an additional cost. The following is the additional fee for overseas airmail: Central America, the Carriibbean, South America, and Europe \$7.00. Asia, Africa and the Pacific \$9.00.

NASWA'S DX HOTLINE is compiled twice a month, giving the DXer the very latest DX news while it is hot. The DX HOTLINE is edited by veteran DXer Tom Alleman. All reports for the DX HOTLINE go directly to Tom at 615 W. 43RD Terrace, Kansas City, MO 64111, USA. One issue of DX HOTLINE is incorporated in each issue of FRENEX, the other issue, the Mid-Month DX HOTLINE is available in a separate mailing to NASWA members for \$3.00 per year in North America. It is airmailed overseas for \$5.00 per year. These fees are, of course, in addition to the annual membership dues.

All inquiries, checks/money orders/dues/renewals/and or orders for the Mid-Month DX HOTLINE should be sent to NASWA Headquarters:

P.O. Box 13, Liberty, Indiana 47353, USA

All remittances should be in U.S. funds. Sample FRENEX and DX HOTLINE are available for \$1.00.

EXECUTIVE DIRECTOR—*Mac Leonhardt, P.O. Box 13, Liberty, IN, 47353*
PUBLISHER & MANAGING EDITOR—*Alan Mayer, P.O. Box 321, Park Forest, IL, 60466*
SHORT WAVE CENTER—*Jerry Lineback, P.O. Box 325, St. Joseph, IL, 61873*
QSL REPORT—*William E. Oliver, 45 Wildflower Road, Levittown, PA, 19057*
SCOREBOARD—*Myron Smith, 36 Ogden Center Rd., Spencerport, NY 14559*
DISTRIBUTING EDITOR—*Greg Ravenhorst, Rural Route, Hollandale, MN 56045*
LOG REPORT (A)—*Dan Robinson, 44 Spring Valley Rd. Levittown, PA 19056*
LOG REPORT (B)—*Sam Barto, 245 Cherry Ave., Watertown, CT 06795*
LOG REPORT (C)—*Tom Gavaras, 16920-17th Ave., N. Wayzata, MN 55391*
LOG REPORT (D)—*David Walcutt, P.O. Box 1051, Carbondale, IL 62901*
LISTENERS NOTEBOOK—*Glenn Hauser, c/o WUOT, Univ. of Tenn., 232
C&E Building Knoxville, TN 37916*
AWARDS CHAIRMAN—*Dan Henderson, 317 Brock Bridge Rd., Laurel, MD 20810*
COUNTRY LIST CHAIRMAN—*Don Jensen, 5204 70th Street Kenosha, WI 53140*
OSO/NASWA—*Ed Shaw, P.O. Box 7053, Lexington, KY 40502*
U.K. REP—*Alan Thompson, 16 Ena Ave., Neath, W. Glamorgan, Great Britain SA11 3AD*

NORTH AMERICAN SHORT WAVE ASSOCIATION
POST OFFICE BOX 13
LIBERTY, INDIANA 47353 U.S.A.

U.S. POSTAGE

PAID

First Class Mail
Permit No. 10
Park Forest, IL 60466

FIRST CLASS MAIL