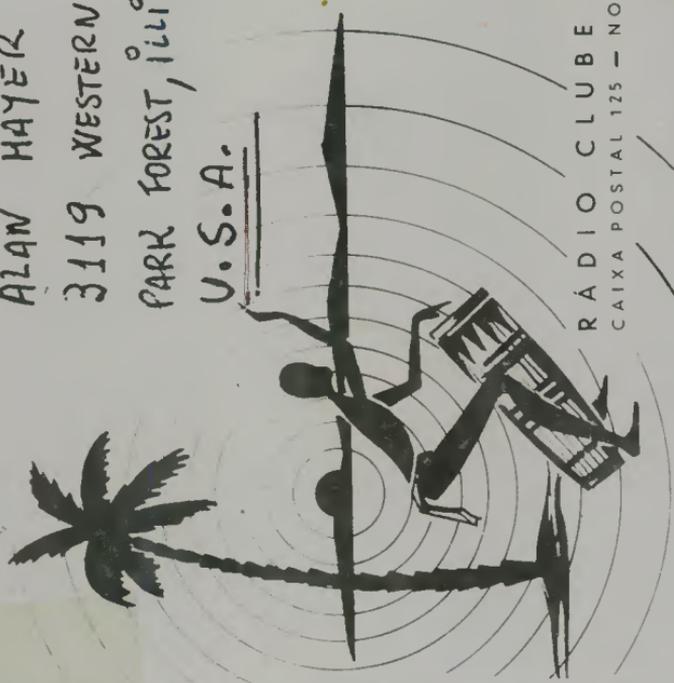


NOVA LISBOA, 26 SET 74
RÁDIO CLUBE DO HUAMBO

ALAN HAYER
3119 WESTERN AVENUE
PARK FOREST, ILLINOIS 60466
U.S.A.



RÁDIO CLUBE DO HUAMBO
CAIXA POSTAL 125 - NOVA LISBOA - ANGOLA

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North American SW Association

February 1976

P.O. Box 13
Liberty IN 47353

Loudenboomer

report



With all this talk about propagation prediction these days, you'd think some of these young Turks had invented it. Bolderash! This old Turk was propagation prognosticating before these clowns were gumming their first Star Bozo rx's.

I remember hearing transmissions from the old Radio Fifi (sexiest YL announcers in the 90 m.b.!) eons ago, and what a thrill it was to hear that 10-watter. Took optimal conditions to pull 'er through.

Well, on one of those rare openings I happened to be enthralled with a native rendition of -- what eles? -- the classic Fifiian nose-flute. The musician places the flute into his proboscis, snorts a bit, and the result is melodious, marginally musical, and mainly mucous.

The transmission went O/C for a minute when the native trying to play the Stars and Stripes Forever (brass band version) actually blew his nose off, and had to pry it out of the microphone grating. But, I'm wandering -- back to the subject.

When the verie came from Fifi, sonufagun, there was an honest-to-goodness bamboo nose flute, engraved "To Chawie Rowdenboomer." I gave it a honk, and besides cleaning out the sinuses, met with singular failure. Nothing.

It became something of an addiction, my intent to master the island instrument. I'd sit with it resting within the nasal passages at all hours of the day, sniffing and snorting, but never with a resulting tune.

My wife really objected at dinnertime, but that's another time. (Did you ever see Beef Strogonof a la...never mind.)

Anyways, one evening I pulled the flute up to my face, mainly out of habit, and lo and behold, out came a note. And then another. I sat up have the night tooting the fool thing.

By 0930 GMT, I realized the time and was about to hit the sack when I decided, what the heck, why not check out the bands? There was Fifi. All 10 watts. Booming.

As it turned out, by some strange scientific twist I won't bore you with, anytime I was able to play the nose flute, Fifi was bound to come in. It was a failsafe predictor of propagational conditions.

Seizing the idea (I'm no fool), I expanded. Went to the downtown music shop and bought a used falafon ("only played by a little old witch doctor on Black Sabbaths..") for Africans. Got me a "saz" for the Mideast and Turk stations. Found a set of bongos for predicting special hurricane broadcasts from the Caribbean.

I took it further. I found an old, mangy alley-cat which was primarily mute. Right -- if she'd talk, it was an obvious tipoff to tune for Thai clandestines from the Meo tribesmen.

I found a used llama, which was stubborn as a mule. The trick here being this... if I could get her to climb my back porch stairs, it would be apparently a good night for the Andes.

Well, I've put together a collection of predictive devices for nearly every spot on the globe. No hassling with A-indexes, B-indexes, K-this, and K-that. It's all so simple.

Of course, if I could get any of the darn foreign gizmos to work, I might be able to turn on the radio again someday.

73,

Charlie

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION

POST OFFICE BOX 13

LIBERTY, INDIANA 47353 U.S.A.
FEBRUARY, 1976

SPECIAL BROADCAST VIA VS18 TURK & CAICOS ISLANDS: As announced in January FRENEX, a special transmission was scheduled for Thursday, January 15 with NASWA member Forester W. Isen participating in that broadcast. A number have reported their reception of that transmission....."Happy to inform that I did log an ID from VS18 at 0100 GMT, reception was mostly SIO 222, awful noise and het. I still copied enough details to send a verifiable DX report to them though" (William Dale Fait, Willoughby, OH)....."Turks came in here from 0053 to 0211 s/off. The reception varied from poor to buried in the QRM and unreadable. Part of the interview came in OK. I believe I heard "NASWA" several times, and they mentioned several DXers, including Bill Whitacre. I put a long report in the mail with thanks from myself and the club." (Tom Overcamp, Seneca, SC)....."Turks Island test heard here with poor signals, much QRM, no good copy." (Alan Mayer, Park Forest, IL)....."It was very noisy here, but I was able to pick up a few disjointed words. Pretty good for only 500 watts!" (Ed Shaw, San Diego, CA)....."Regarding test from Turk & Caicos, I listened and came up w/two distinct OM talking and possibly a third (not sure); only talk noted w/USA accent English and a British type accent; 0105-0138 seemingly off with possible anthem. Very poor with severe het against 4787" (Mike Hardester, San Diego, CA)....."What little I could hear thru ungodly QRM was very good. I just wish I could have heard the program in it's entirety. I stayed with it 'til they faded away completely at 0200. Will send a report to them and thank them for it." (Jack Jones, Jackson, MS).

We thank Forester Isen for arranging this and letting us know about it in time to be in on it.

SADXC SPECIAL QSL CARD: On Wednesday, March 3rd, 1976, Radio RSA's DX Corner program will cover points of interest from the South African DX Club. The SADXC will issue a special QSL card in answer to correct reports. (Via G.E. Wood)

TRANSISTOR COURSE: Starting Thursday, March 4, 1976, Radio Nederland will be airing a new technical course via DX Juke Box. This course consists of 12 lessons in all, and will be broadcast over a period of 24 weeks, a new lesson every other Thursday, and being repeated the following week. The course is available to Radio Nederland listeners free of charge, provided applications for enrollment are made by listeners individually. The course will be mailed in sets of four lessons and students will automatically receive the next set of lessons when they mail answers at the end of each set of lessons to Radio Nederland's DX Juke Box.

"DXING ACCORDING TO NASWA" Author Ed Shaw has just issued an "Errata Supplement" to "DXing According to NASWA" which lists various minor corrections and additions to the text. A copy is available from HQ for a SASE. Over 700 copies of this book have been mailed out, but we still are able to accept new orders at the advertised price of \$3.00 anywhere in North America.

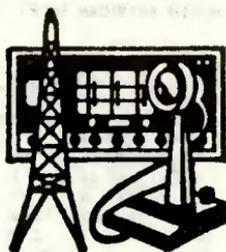
"DXING THE USSR" A new nine page pamphlet compiled by Bob Padula and published October, 1975 is being offered by ARDXC, P.O. Box 227, Box Hill, Victoria 3128, Australia. A list of Far Eastern sites, and current QSL policies of principal Home Service outlets are covered in this revised edition. Available for 6 IRC's (or \$2.00 US) via airmail or 4 IRC's (or \$1.00 US) seammil. Payment in US dollars completely acceptable.

INTERNATIONAL LISTENER: We have word from Ed Mayberry, Editor of "International Listener" magazine, the new program guide for English language shortwave broadcasts, that he will extend his offer for a complimentary copy of his magazine to those who may not have responded to his offer mentioned in January FRENEX. Those new to the hobby will find this new magazine to be of most interest. Write to International Listener, P.O. Box 3782, Austin, TX 78764 and request a free copy.

WRTVH - 76 DELAYED: Perry Ferrill of Gilfer Associates, Inc., P.O. Box 239, Park Ridge, NJ says he's not too happy with the publisher's delays in getting this year's WRTVH off the presses. The book, which is printed in Europe, was promised for delivery in Park Ridge by January 15. The word now is that it will not be off the press until about February 15 and advance copies air freighted to be in Park Ridge the first week of March. Perry assures us that he is doing everything he can to fill the order as quickly as possible.

Mac
M. R. Leonhardt - Executive

Shortwave Center



•Editor: Jerry Lineback
Box 325, St. Joseph, IL. 61873

FEB 76

We welcome all contributions to Shortwave Center. Articles of interest to shortwave listeners and DXers are solicited. Here is your big chance to be an author. Timely material should be here by the 10th.

KEEP IT QUIET - 3

Efficient, low-cost linefilter

by Morgan Monroe, Sandpoint, Idaho

As pointed out earlier, electrically-generated noise gets into SW receivers via radiation and through power lines. Radiated noise is picked up by receiving antennas; line noise is "piped in" along the conducting path of your AC wiring.

Aside from what was suggested earlier, we can't do much about radiated noise. But AC-conducted noise usually can be attenuated substantially by inserting an efficient line filter between receiver and AC outlet.

Where does one find such a filter? Although they range in price to \$25 and more, manufactured line filters aren't designed with the needs of SW receiver owners in mind. Regardless of price, most commercially-available filters don't offer exactly what's needed. But for a few dollars you can easily make an efficient filter, one capable of attenuating line noise at SW broadcast frequencies.

Constructing the filter is an easy project requiring only a few hand tools and inexpensive parts. I made the one illustrated in little more than an hour at a total cost of \$3.37 in 1973. The most costly item was the aluminum chassis box that houses the filter and serves as its grounded shield.

Manufacturers of some parts I used are indicated in the parts list only as a guide to component types. Parts of comparable quality made by others will serve as well.

- 1 Interlocking chassis box $5\frac{1}{4} \times 3 \times 21/8$ " (Heeger LM136)
- 2 Recessed AC sockets (Cinch 54A12B44)
- 1 Screw type binding post (H.H. Smith 265)
- 4 Disc ceramic capacitors .01 mfd, 1000 WVDC (any quality type capacitors)
- 2 Solder lugs, #6 x 9/16; #8 x 9/16"
- 12" of insulating wire sheathing
- 5 6-32 x 3/8" machine screws, lock washers, nuts
- 2 48" lengths of enameled copper antenna wire.

The two coils which in this application serve as radio frequency chokes were wound from scrap lengths of no. 12 enameled copper antenna wire. Either no. 12 or no. 14 enameled, solid copper wire may be used. Avoid smaller wire and alloys; they can cause filter-coils to heat up under load.

If you have never wound a coil, you will learn that it is a simple operation. Select a four-foot piece of wire free of kinks and anchor one end in a vise or to a doorknob. Grasp the other end with pliers and straighten the wire by pulling it taut. Find something cylindrical with a diameter of $\frac{1}{4}$ " and six or more inches long to serve as a coil-shaping tool. I used the shaft of a phillips-head screwdriver, but a pencil or piece of $\frac{1}{4}$ " dowel will do as well. To wind a coil, start about three inches from the free end of the wire, make a half turn of wire around the shaping tool and secure the projecting wire end with

a finger. Keeping tension on the stretched length of wire, roll it around the shaping tool while moving slowly toward the anchored end. Don't permit turns to overlap, but as each is wound on, see that it rests snugly against the last completed turn. Continue until 38 full turns have been wound on the shaping tool.

Count the two half turns at the coil ends as a single turn. A completed coil therefore should contain 38 full turns plus two half turns for a total of 39. The four-foot wire length provides for straight leads of several inches at the ends of each coil. Excluding leads, your completed coils, when slipped off the shaping tool, should measure approximately $3\frac{3}{8}$ " in length and $3\frac{8}{8}$ " in outside diameter.

To prepare the chassis box for component mounting, separate the box halves and put aside the half without ends. The other half, with two ends and bottom, becomes the filter chassis. Find the horizontal center of each box end and mark these with ruled pencil lines on the exterior surface of each end panel. Then rule lines across each end surface $3\frac{1}{4}$ " from the top, or open, edges. Measure out along these horizontal lines exactly $3\frac{1}{16}$ " on each side of the center lines and indicate these points with short, vertical marks that intersect the lateral lines. On one box end only, place a centered mark $1\frac{1}{16}$ " below (toward the box bottom) the horizontal line. This marks the point where a hole will be drilled later for the filter's binding post screw.

Using as centers the four points where lateral lines are intersected by short vertical marks, drill two $3\frac{3}{8}$ " holes in each end panel. If layout has been accurate, each pair of holes should leave a binocular-like opening in each end panel. When drilling, place a block of scrap wood under the drilling area to avoid bending the chassis. Pencil a rectangle around each pair of holes by ruling straight lines that just touch their circumferences. The rectangles should measure $3\frac{3}{8}$ " x $3\frac{1}{4}$ ". Remove the remaining metal in the rectangular areas with a small, flat file until the plug-in projections on the AC sockets can be slipped into the resulting cut-outs. Turn one of the AC sockets upside down (solder "ears" facing up) and push its plug-in projection into one rectangular cut-out. Mark mounting screw locations through the holes in the socket flange and repeat on the other chassis end panel.

Locate the center of the chassis bottom by ruling diagonal pencil lines from corner to corner on the upturned bottom panel. Place a mark where the diagonals intersect and you're ready to complete chassis drilling. Depending on whether you have numbered or fractional-sized drills available, use either a no. 28 or $9\frac{1}{64}$ " drill bit to make the socket mounting holes and the single hole in the chassis bottom. The binding post hole is drilled either with a no. 18 or $1\frac{1}{64}$ " bit. When drilling is completed, remove pencil markings from the chassis with a non-abrasive eraser.

Mount the AC sockets so their flanges are inside the chassis, with plug-in areas projecting through the rectangular cut-outs. Use 6-32 x $3\frac{3}{8}$ " machine screws, lock washers and nuts for mounting. Draw nuts down firmly on lock washers but avoid excessive pressure to prevent cracking socket flanges. Place short lengths of electrical insulating tape over mounting nuts and screw ends.

Insert standard two-prong AC plugs in the sockets to push the solder ears out to maximum length. Then bend the four ears outward until they form 90 degree angles with socket bodies, using care not to break off the ears.

Bend half the length of the #6 solder lug to a 90 degree angle and use the remaining 6-32 screw, lock washer, and nut to mount the lug at the hole inside the chassis bottom panel, with the bent part of the lug extending upward. Bend half the length of the #8 solder lug to a 45 degree angle and mount the binding post, placing the lug inside the chassis under the binding post screw head. The bent part of the lug should extend toward the chassis bottom panel.

Cut two 2" lengths of $3\frac{1}{4}$ " wide electrical tape, overlap them $\frac{1}{4}$ " and center the resulting $1\frac{1}{2}$ x 2" tape patch on the interior surface of the chassis bottom panel with one long edge directly below the rear edge of one socket. Press the tape firmly to the bottom panel, then place another tape patch in a similar location near the other socket.

Cut a 3" length of the same wire used for coil winding and trim it to fit along the chassis bottom panel between central and binding post solder lugs, with enough wire at each end to crimp to the lugs. Scrape enamel from wire ends and crimp them to the two lugs. Solder the wire to the binding post lug but not to the central lug.

Cut four lengths of insulating wire sheathing, each $\frac{1}{4}$ " shorter than the capacitor leads, and place a length on one lead only of each capacitor. Crimp the bare ends of these four leads to the central ground lug and solder them and the wire from the binding post to the lug. Cut four similar lengths of sheathing and slip them over the unsoldered capacitor leads. Run one lead to each socket solder ear and crimp the bare ends around the small notches in the ears. Leave holes in the ears clear to receive the coil leads.

Trim all coil leads to $\frac{1}{2}$ " and scrape enamel from the last $\frac{1}{4}$ " of each. With AC plugs remaining in the sockets, position coils between the two sets of socket solder ears so the facing surface of each coil is separated from the other by $7\frac{7}{8}$ ". This is done by bending coil leads at the required angles about $1\frac{1}{8}$ " from the final half-turn, thereby making offsets to permit leads to meet solder ears. When proper offsets have been determined by the $7\frac{7}{8}$ " spacing between facing coil surfaces, make a 90 degree bend in each

lead so it may pass through the socket ear hole from the side nearest the socket mounting nut. Cut off excess lead wire 1/8" past the 90 degree bend. This creates four small hooks by which leads are attached to socket ears.

Clearance between outer coil surfaces and sides and top of the chassis box should be 5/8" and the lower surface of each coil should hang 1" above the bottom panel. Coil positioning is important. Do it carefully using temporary wood or cardboard spacers, if necessary, to maintain proper clearances. When satisfied that each coil is positioned correctly, solder coil and capacitor leads to socket ears. When these connections have cooled, wrap each with insulating tape. REMOVE TEMPORARY SPACERS.

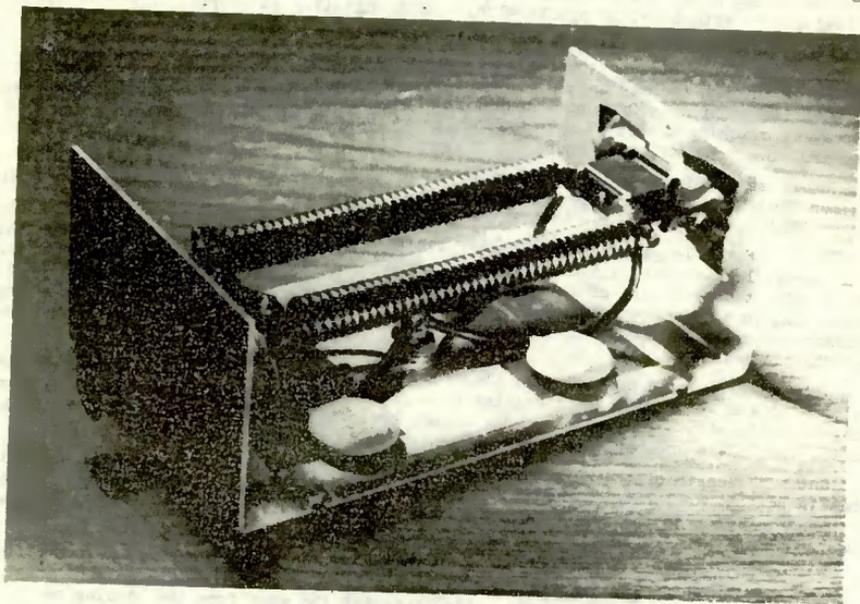
Remove AC plugs from sockets, gently push all capacitors down until they rest just above the tape patches, install the chassis cover and your filter is ready for use. To connect it for operation, you need a two-wire power cord of proper length for your requirements with an AC plug on each end. Don't use wire smaller than 16 gauge for this purpose. If you expect to operate two or more receivers simultaneously with the filter, use 14 gauge wire.

ALWAYS MAKE SURE THE POWER CORD IS PLUGGED INTO THE FILTER INPUT SOCKET BEFORE PLUGGING THE OTHER END INTO AN AC OUTLET. Otherwise, you would be handling a "live" cord with an exposed "hot" plug. And NEVER REMOVE THE CHASSIS COVER WITHOUT FIRST DISCONNECTING THE FILTER FROM THE AC LINE.

If you use a single receiver, insert its power cord plug in the filter output socket above the binding post. For multiple receiver use, put a cube tap in the output socket and insert receiver plugs in it. DO NOT ATTEMPT TO USE THIS OR ANY OTHER LINE FILTER WITH AN AC-DC RECEIVER HAVING NO POWER TRANSFORMER.

Before plugging the filter into the AC line, connect a heavy-gauge wire between the filter binding post and a reliable ground such as a cold water pipe or driven ground rod. Make this wire as short as possible. You may or may not need the external ground connection, depending upon how your receiver's power supply is wired. Try the filter with and without the external ground and settle for the arrangement that yields the quieter reception.

The filter is a dual-duty device; it also may be inserted between a noisy electrical appliance and the AC line. When used this way, it attenuates noise at the source, the most effective method of killing electrical noise. This easy construction project offers potential SW reception benefits wholly disproportionate with the modest cost and slight effort required.



Author's completed filter chassis. Design features efficiency, low cost, ease of construction. Circuit is LC-series type in "ladder" configuration.

The 16 page booklet, NASWA RADIO COUNTRY LIST AND AWARDS PROGRAM, revised by Don Jensen, NASWA Radio Country Committee Chairman to January 1976, is available from the SWC editor for a single stamped long SASE to the USA. We will ship to the Americas for 1 IRC and to the rest of the World for 2 IRCs. See next month's SWC for a special announcement.

Geomagnetic Prediction

by Jerry A. Lineback

It would be a great advantage to DXers to know that on Thursday next a geomagnetic storm would begin at 0100 hours with a predicted "A" index of 40. Unfortunately the state of the art is at present not exact enough to make such predictions. Things happen, like the unexpected and unpredicted geomagnetic storm on 10 January. Yet all geomagnetic activity is cyclic, or rather follows a periodically repeated pattern.

One problem is the variability in the spacing and intensity of solar activity, the causative agent in ionospheric changes affecting propagation. The observations I have made over the past 2 years indicate that the time between peaks in the solar flux, a measure of solar activity, averages 26.1 days. Fine you say, but the range is a whopping 16-34 days with only two cycles having peaks 26 days apart. This yields a standard deviation of 4.5 days. This variability is explained by the fluid nature of the sun that permits the sunspots and flares that cause the activity to appear a few days earlier or later in the rotation of the sun from month to month. Also the earth is a long way from the sun and intercepts only a small part of the energy and particles thrown into space by solar activity.

The monthly cycle in solar activity causes similar cycles in geomagnetic activity around the earth. However, it is not a matter of one monthly peak. Figure 1 (left margin) shows the daily changes in the daily average "A" index reported by the National Bureau of Standards over WWV. The data have been subjected to a line smoothing technique to average out daily fluctuations and are plotted on a semi-log graph scale. The "A" index is a logarithmic function.

Figure 2 (below) shows an ideal or average monthly curve from a period of low solar activity. Typically, lows in geomagnetic activity occur just before (average 0.9 days) the solar flux peaks each month. This is followed in a few days (average 4.3) by a geomagnetic disturbance (A) that is generally the strongest in the monthly cycle. The delay between the flux peak and the A peak occurs because the solar activity peak is measured by electromagnetic radiation that effects ionization but does not disturb the geomagnetic field. This radiation travels at the speed of light (9 min to the sun). Energetic particles (protons, etc.) are also thrown out by the sun at the time of peak solar activity, but take a day or so to make the trip to earth where they create electrical currents affecting the geomagnetic field.

There is also recurrent geomagnetic activity at other times during the solar month. This typically consists of an intermediate peak (I) (figure 2) occurring an average of 7.3 days after the A peak. Sometimes there are two intermediate peaks. A final peak (B) takes place an average of 7 days after I. B peak occurs an average of 5.5 days before a geomagnetic low. The next A averages 10.6 days after a B peak. The table of average days given at the end of this article were computed from the past 2 years of data, and can be used to predict future occurrence of geomagnetic activity. But BEWARE of the variability. For example, B to A averages 10.6 days, but the range is 5 to 19 days, making the whole thing almost totally unpredictable to the extent needed by DXers.

The average number of days between geomagnetic lows and between geomagnetic peaks (A to A, or B to B) is 26 days, again with a great variability (16-33 days). This matches the solar activity cycle.

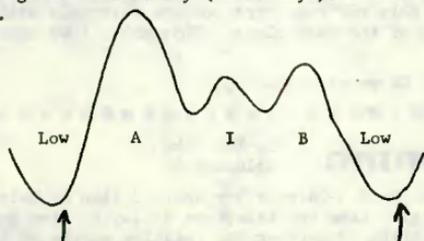


Figure 2: An ideal monthly geomagnetic cycle from a period of low solar activity. Arrows indicate position of solar flux peaks 26 days apart.

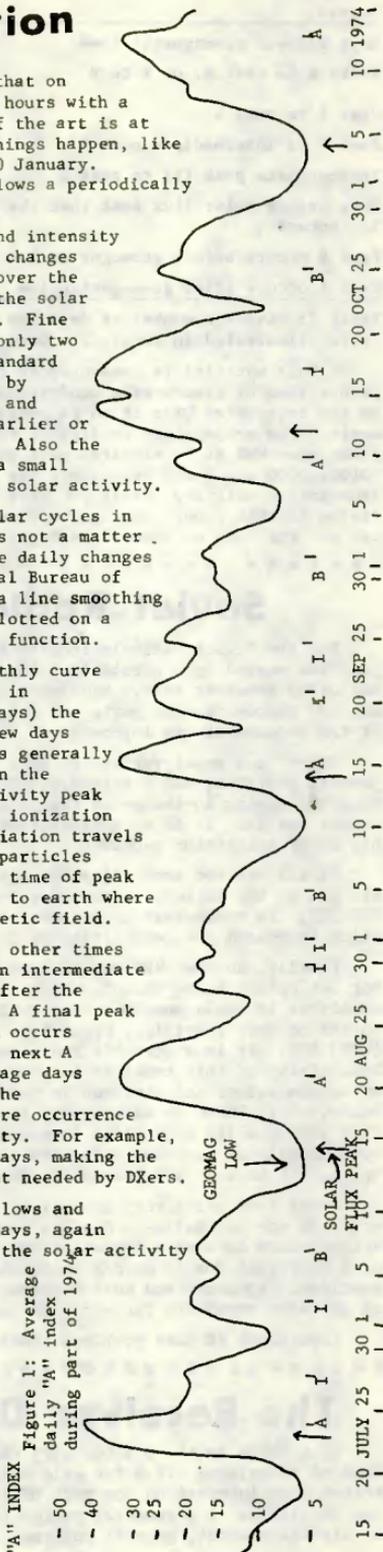


Figure 1: Average daily "A" index during part of 1974

Events	Average Days	(Range Days)
Days between geomagnetic lows	26	(16-33)
Peaks A to next A, or B to B	26	
Peak B to peak A	10.6	(5-19)
Peak A to intermediate peak I	7.3	(4-13)
Intermediate peak (I) to peak B	7.0	(4-17)
Days before solar flux peak that the geomagnetic low occurs	0.9	(+7 to -8)
Peak B occurs before geomagnetic low	5.5	(3-11)
Peak A occurs after geomagnetic low	5.3	(2-9)

Table 1: Average number of days and range in days between events in the ideal geomagnetic cycle illustrated in figure 2. Data from 28 months preceeding January 1976.

This material is presented in the hope that you can understand better why accurate predictions of geomagnetic conditions are not yet possible. The best advice I can give to the interested DXer is to be aware of the ideal or typical geomagnetic cycle and monitor the propagation conditions forecast and report of "K" index and solar flux that are given over WWV at 14 minutes past the hour. This report is updated four times daily (0100, 0700 etc.) and represents the closest thing available to real-time observation of geomagnetic activity unless you have your own terrestrial field magnetometer. If you listen to this report during the times that a geomagnetic disturbance is expected, you can get the jump on some DX perhaps.

Soviet Radios

The following comes from Radio Moscow via Arnold Lausevich, Milwaukee WI

For the Soviet radioelectronics industry the beginning of the 9th five-year development plan was marked by a substantial improvement in the quality of the equipment produced, including receiver sets. Equipment is improved along several lines: intergral circuits and new components and parts are introduced, the acoustic parameters and also the finish of the encasement are improved.

There is a great variety of sets on the market here: valve radios and transistor sets-pocket, portable, and stationary. The most popular transistor sets in this country are those belonging to the great family of VEF receivers, produced by VEF radioworks in Riga, Soviet Latvia. It is no exaggeration to say, that every other family in the Soviet Union has a VEF transistor receiver.

It all started about 15 years ago, when the "Spidola" and then the "VEF Spidola 10" was put on the market. Later, new improved models appeared: VEF-12, VEF-201, and now VEF-202. In these last three models a high frequency amplifier stage was introduced which increased the sensitivity of those models and reduced cross-modulation interference.

Finally, another VEF receiver should be mentioned - the very sophisticated 17 transistor set called here "Okean", which stands for Ocean in English. With all the advanced qualities it could possibly have, this 1972 model is a super-class receiver. It is exported to many countries, Great Britain, for example. The export model is called "ASTRAD (VEF)-17". It is a portable radio and communications receiver, 28 transistors and diodes. Sensitivity of this receiver is such, that world wide reception is possible of thousands of transmissions and stations in the standard long, medium, short, and ultra short wave bands. . . . There is also a wide band spread for absolute "pin-point" station selection. Fine tone quality controlled from a whisper to a roar. Genuine push-pull output. Runs economically on standard batteries or direct through battery eliminator from 220-240 volts mains. It is also a fabulous car radio.

Apart from being very sensitive (10-30 microvolts with an external antenna) VEF receivers have special built-in devices to increase selectivity and reduce interference and noise, which is a very important characteristic. (Editors note: FYI the Drake SPR-4 rates at $\frac{1}{2}$ microvolt for 10 dB S/N ratio-JAL) In this VEF receivers compare favorably with many American, Japanese, and West-European models of the same class. This makes them useful as portable receivers for world DX-ing.

(You think WE have problems finding good SW receivers?-JAL)

The Receiver Dilemma

By Ken Duke
Columbus OH

My article in the October 1975 FRENEX on the R-390A receiver coupled with my helping-hand ad offering a SPR-4 for sale seems, judging from the telephone calls, to have generated some interest on the part of NASWA members concerning the relative merits of these two receivers. I personally prefer the R-390A because of its versatility and features such as digital readout, general coverage, and mechanical filters. Others in the receiver

sized international shortwave broadcast station clearly has a positive use for reception reports, it reads them, collates and evaluates them, and bases actions on them. It knows that the individual reporter and his reception of the station in the raison d'être of any broadcaster (even RCI-editor).

The shortwave service of ÖRF, the Austrian Radio in Vienna, has released its statistical report on reception reports for the statistical year 1974 (Nov. 1973 to Oct. 1974). As it is written in German and not too widely accessible, let's go over the main points here, with special reference to North America.

Thirty eight official monitoring stations sent regular reports; individual listeners' reception reports were received from 98 countries, a total of 105,720 individual reports; and 119 recorded reports were received. The figure of 105,720 does not imply a hundred thousand items of mail, each separately sent. Though this is not clearly stated in the report, this total must in large measure be arrived at by counting each of the single reports of reception on the multi-reception monitoring sheets provided to regular reporters by the ÖRF. One such sheet could contain up to thirty individual receptions and several such sheets could easily be sent in one letter.

A reception report is defined as containing the usual details including program details. There is room for two or three words on this on each line of the monitoring sheet, and an evaluation of reception quality in SINPO. It is apparent that reports not expressed in SINPO are not counted in the totals and not evaluated. All DXers should therefore bear this in mind and express all reports to international broadcast stations in SINPO unless expressly instructed to the contrary.

It is interesting to note that ÖRF evaluated taped reports and their duration totaled up. Whether they are actively solicited is another matter, but they are plainly not rejected or ignored. The official monitoring stations, however, apparently report in writing or by telex.

Audience Growth

1974 showed an increase of 12% in individual listening reports. The division of reports among the three IFRB periods (D-beginning Nov. 1973, M-beginning March 1974, and S-beginning Sept. 1974) was reasonably even. But the J season (beginning June 1974) brought a increase of reports 37% greater than the previous year. The Far East and Australia sent noticeably more reports in S. The reasons for the increase in the summer are not evaluated in the report, but to listeners in North America, it should be clear that summer is the time for the most consistent reception of Austria, since the higher MUF keeps 9770 and other HF frequencies audible throughout the evening. So far as an increase in reports from Europe in the summer is concerned, a major source of such reports is the Austrian tourist abroad, especially in Yugoslavia. Likewise, another source of reports is the Austrian UN contingent in Cyprus. Europe makes up 76% of the reports. Statistics, divided by the beam areas recognized by the ÖRF in its directional broadcasting, show this pattern:

Europe	28 countries	79,608 individual reports
N. America	4	5,698
C. America	5	107
S. America	7	3,614
Africa	26	3,086
Near East	7	1,729
S E Asia	11	4,766
Far East	4	3,371
Australasia	6	2,746

Within Europe, the most reports were received from FR Germany, followed by Britain, France, Netherlands, Finland, Italy, DR Germany, Austria, Spain, and Sweden, all with more than 2,000 reports. In North America, US DXers sent 4,510 reports and Canadians 1,183. Reports were also received from Mexico and Greenland. In Central America, Puerto Rico lead the 11st with 48. In South America Argentina produced 1,848 reports and Brazil over 1000 reports inspite of the fact that ÖRF does not use Portuguese. The other continents can be summarized briefly. From the Near East, reports from Austrian UN forces in Cyprus come first, followed by Israel, Lebanon, and Kuwait. South East Asia includes Iran and points east. India produced over 3,000 reports with many fewer from other area countries. In the Far East, Japan produced over 3,000 reports. Australia sent 1,920 reports and New Zealand 785. The most reports from Africa were received from South Africa and Rhodesia. All the above reports were for the 100 kW Moosbrunn transmitters.

Aldrans

There is a separate breakdown for reports on flea powered (1 kW) Aldrans, 6000 kHz, which is on the air 0400-2300 UT. 995 individual reports were received from 16 countries. It can be assumed, in this instance, that most of these are DXers seeking a QRP verification. FR Germany lead the 11st with 666 reports. The remainder are clearly governed by geographical factors - Austria itself is second with 108 reports, France is next with 60 and Italy follows with 37. A few reports come from other European countries. The biggest surprise in the entire report is the receipt of 10 reports for Aldrans from outside Europe, all from NA - seven from the US and three from Canada. One can categorize Aldrans 6000 as one of the most challenging SWBC catches for US listeners and ÖRF is an excellent verifier. Yet not a single NASWA member claims Aldrans 6000 as his best European QSL, at least

Listener's

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Notebook

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AFGHANISTAN R Kabul has replaced 4750 by 3390 kHz at 1330-1430 and 1600-1830 (DSWCI via BDXC 12/75)

ALBANIA Another Tirana harmonic from MW is on 2914, 2 x 1457, at 2215 GMT. Better than the fundamental. (Albert Kosnopfel, Bohmenkirch, GFR, 12/12 via Tropical DX Newsletter)

ANDORRA R. Andorra has reactivated SW 5995, heard first in the afternoon of 12/16. Reception not very good. Commences daily at 1100, sometimes as late as 1115. R. Andorra on MW 701 kHz does not announce the SW outlet. (J. P. Roussarie, Chamiers, France, SCDX 12/30) This report has not been confirmed and should be approached with caution (gh)

ANGOLA Since 12/5 the State radio in Luanda has been ID'ing as "R. Nacional de Angola" (RNA) instead of "Emissora Nacional de Angola" which was adopted on 11/12 (BBC MS 12/18)

AUSTRALIA Official testing from Carnarvon commenced 12/20 on 9540 relaying the normal Indo service. Per Robert Hanner, who spoke with RA staff on 12/22 personally, some unofficial testing had been carried out prior to 12/20 but QSLs will not be issued for these unofficial tests. 9540 is an alternative to 9560 at 1300-1430. (Bob Padula, Surrey Hills, Victoria)

BULGARIA R. Sofia Spanish hrd 0430-0500 on 5915, following R. Moscow Spanish to Cuba/GAM at 2330-0430. R. Moscow programs on 5915 (Spanish) and 7115 (English) were interchanged one night so the 7115 mxtr, which sometimes has feed problems, may also be in Sofia. (Legge, VA)

COLOMBIA A new HJ harmonic is being heard on 2740 kHz as far north as Canada. Is an RCN affiliate.* (G. M. Stanbury II, Crystal Beach Ont / SWNS) R. Antioquia is a new station on 4820 noted in Venezuela at 0000 (Carlos Bravo via DAM in Sunspot 11/75) *in Rionegro, 0500*

FRANCE RFI is noted on another out-of-band frequency in addition to still-heard 6205; New 2790 in French 2000-2100 // 9740. (Richard E. Wood, Garden City LINY) See next item:

GERMANY WEST DW good at 0140 tune in German, 1/5 to 0150% on 6215; regular service or what? (Bill Whitacre, Lansing MI via Tropical DX Newsletter, 1600 Newton St NE, Wash. DC 20018)

IRAQ R. Baghdad's main domestic service in Arabic is currently heard on 9652 instead of 9635 from *0300 until 1345 Swahili external service to 1445 (BBC MS 12/18)

KOREA SOUTH R. Korea has begun an Arabic program at 0730 on 11850, 9640 (BBC WRC 1/6 via gh)

LIBYA Recent observations show the Maltese "Voice of Friendship and Solidarity" from Tripoli on 6185 has been reduced from two hours to one hour per day at 0500-0600 (BBC MS 12/18)

MALI R. Mali noted at *0800 only on a Sunday on 11952 and 7110 (Mike Willis, Hampton, Vic.)

MONGOLIA Ulan Bator Radio can now be heard on 4947 at 1300-1500V in Chinese at 1300, 1400, and in Mongolian at 1330, 1430. Mainly anti-Mao talks and short musical selections, first noted 1/3. Reception is good in Japan--best yet heard from UBR, and should be available in WNA (Gib Junqua, Ibaraki-shi, Japan) Welcome to NASWA, Gib; (gh) Gib also notes that UBR has two ISes: One as in WRTH 75, played on an electronic organlike instrument, and the second, which is similar in melodic content to R. Korea's IS, is played by a string ensemble (Bob Bodell, Portland OR) 1300-1330 Chinese still on 7256 and 7274, as is 1330-1400 Mongolian; 1400-1430 Chinese on same. I have measured these, drifted from 7238 and 7262. At 1000-1030 Mong., 1030-1100 Chinese heard again on 7259; 0900 Mongolian on 7262. I have read that RUB is on 11855 at 0900 in Mongolian; this may be true altho it still is on 7259 (Mike Willis, Hampton, Victoria, Australia, late December)

PARAGUAY R. Chaco Boreal announcing 1330 kHz and 103.5 MHz has been heard on 20953 with excellent signal 1300-1500; verified in only one week. (Fr. Ad van Dijk, Bilthoven, Holland via SCDX 12/16) All Paraguayan stns on 49ab are now active, i.e. 5977 R. Guaira, 6015 Em. Paraguay, 6025 R. Nacional, 6110 R. Caritas. No other stns are active on SW tho R. Guarani still announces its SW call sign quite regularly (Tony Jones, nr Asunción via NU 12/27)

PORTUGAL Acc. to various sources, R. Renascença was given back to the Roman Catholic Church on 12/29; to return to the air as soon as technically possible. The leftist R. Clube Português is still off the air. (Adam Giffin, Brooklyn NY) New R. Liberdade, "uma voz portuguesa para os trabalhadores portugueses na Europa" is operated by the Ministry of Social Information in Lisbon. Distinctive interval signal of folk melody on Port. guitar at 1955-2000 and Port. pgm at 2000-2200 on new 9635 (Richard E. Wood, Garden City LINY) Via RTE-Sines (BBCMS)

QATAR Doha's Arabic domestic service operates on 9570 at 0245-0705, 0900-1550, and on Fridays continuously 0245-1550 (BBC MS 11/75) Incomplete? Surely operates past 1550 (gh)

SOLOMON ISLANDS granted self-govt 1/1; full independence in 1977 (RA news 1/2 via Bodell OR)

SAHARA On 12/13 Rabat Radio announced Moroccan control over the Al-'Uyun broadcasting station, sked daily in Arabic 0800-0900, 1130-1330, 1800-2100. Subsequent observations show 11805/11950 dropped, but the feeder to Villa Cisneros on 4626 kHz remaining, in Arabic, not // Moroccan national Arabic network. (BBC MS 12/18)

SOMALIA R. Hargalea has been noted on new 11646 *1430-1600 // 7122. S/on may vary (Willis)

USSR Radiostansya Rodina (Voice of the Homeland) heard in Soviet langs 1400-1500 on 15240 15455; 2000-2100 on 7150 9685; 2330-0030 on 5905 7260 7290 7420; 0200-0300 on 5905 7185 7260 7290. Radiostansya Atlantik heard in Russian at 1230-1330 on 9450 9685 12020 15455 and 1630-1730 on 15240 15455 (Roger Legge, McLean VA 1/13) R. Moscow HS as of 11/75: *SSB;

FIRST 02-22	11930 08-10	7265 06-07	4785 04-05	7320 08-09	10530 00-02	6090 00-06
15700 12*13	11785 05-08	7240 06-07	14-21	7145 21-01	(Alma 10-12	6065 00-02
15470 08-13	10-12	7210 03-06	4780 02-08	5940 14-17	(Ata) 15-19	6030 23-05
15310 08-14	9810 05-13	6825 20*21	FIRST-A 19-15	5255 11*17	9490 08-15	5900 23-05
14860 08-13	9800 07-13	6770 13*21	18285 08*09	21*03	9380 00-12	5815 00*02
14850 09*12	9775 07-10	6180 14-15	15490 05*09	FIRST-C 23-19	(A-A) 15-19	4975 00-02
12390 11*15	9765 11*14	6080 02-05	9150 00*03	19210 08*10	9200 00*02	4850 00-02
12205 03*16	9700 08-17	6000 02-05	6807 09*15	16030 05*12	8125 23*02	17-18
12100 04*14	7440 07-14	13-19*	FIRST-B 21-17	15540 06*08	7970 16*18	THIRD 06-20
12070 10-12*	7420 04-18	5920 02-06	15480 08-09	15275 08-12	23*04	11735 06-13
12055 05-08	7350 16-17*	5910 02-07	12000 02-04	13820 08*12	7410 13*18	11690 06-13
12045 05-14	7340 03-06	5065 02-08	11785 08-13	12250 04*14	7400 23-06	9655 06-16
12005 03-07	12-21	4895 02-05	11715 02-04	12175 10*14	7210 00-02	9575 06-15
11-13	7290 06-07	14-21	9765 02-04	11760 05-11	6870 00-01	9540 06-12
11995 04-10*	7285 03-06	4825 02-05	9500 02-03	11700 08-12	6825 23*03	7355 06-15
11-21	10-17	4810 02-06	7345 23-24	11495 04*15	6770 00*03	7200 06-15

Some times may be incomplete; SSB feeders as of end of 11/75; they change rapidly (BBC MS)

The Sautation BURMA BBS 0500-0700 in Burmese on 9729 ex-9725 (Mike Willis, Victoria)

CAMBODIA R of National United Front of Kampuchea has changed name to R of Democratic Kampuchea (Withayu Phay Sornleung Kampuchea Prachiatiploy) on 1/10 (Isao Ugusa, Kobe, Japan) Democratic Cambodia is the new official name proclaimed by the Phnom-Penh government according to Radio Australia News 1/5 (Bob Bodell, Portland OR)

CHINA Peking noted on new 3920 1100-1500 plus, HS-1, hets Seoul (Mike Willis, Hampton, Vic) Shenyang, Liaoning hrd 11/28 1414 on 2180, 2 x 1090 (Gib Junqua, Ibaraki, Japan, SPENDX Jan)

INDONESIA RRI Jayapura has been noted on new 11732 at 0500-0800 (Mike Willis, Australia) RRI Ujung-Pandang on 9510 at 0620 (Craig Tyson, RA DX 1/11, Perth, Western Australia)

KOREA NORTH R. Pyongyang now uses a rare in-band freq of 9510 for French to SEAs 1400-1550 (Gib Junqua, Ibaraki-shi, Japan 1/8)

LAOS Lao National Radio's new foreign service is hrd on 7145 at 1200-1400 in Vietnamese, Cambodian, French and English, 30 min each; announced that it is broadcast 3 times a day. (Isao Ugusa, Kobe Japan) On 7143, not // 6130. As from 12/15 Pathet Lao has dropped all transmissions on 6200, 6213, 7310, 7480 kHz (Mike Willis, Hampton, Victoria, Australia)

PHILIPPINES VOA-5955 has a program in Seychelli at 1600, soon lost in jamming (DUDXS) I find this hard to believe, but it would be interesting for language-buffs to check out (gh) **Radio Veritas** provides this antenna information: We broadcast with 50 KW. We are using a log periodic at 2300-2400 in the general direction of Vietnam, azimuth 260°. We also have 3 cage antennas: Indonesia-Malaysia 206°, Vietnam 276°, China 338°. One non-reversible rhombic for Sri-Lanka, South India, 270°; three reversible: Korea/Malaysia-Indonesia 100°/190°; Japan/Indonesia-Malaysia 320°/212°; China/Australia 335°/115° (Margaret Cheng, Audience Relations Officer, 12/16 letter to Jeff Bell, Riverside, WA, via Larry Magne, PA)

VIETNAM Hanoi has opened two new channels: 7081 at 1100-1500 // 10060 7373; and 6433 at 1300-1400 // 10010 7470 (Mike Willis, Hampton, Australia) More SEAttuation on LN-6!

Clandestine Cranny TIMOR Messages requesting humanitarian assistance in East Timor following the Indonesian Invasion were transmitted on 6840 and 4010 kHz. Australian amateurs wishing to monitor them and pass them on to the authorities had to request and receive assurances that they would not be prosecuted for doing so (via BECMS)

USSR Sundry Soviet blacks, including a fake "R. Peking" actually located in Asiatic RSFSR, still active, now on 7520 at various unpredictable times (Ugusa via Magne) Never seen a report of MAM DXers logging fake R. Peking; have you? (Larry Magne, NU 1/3) On 4810 Russian pirate "Razumov" hrd with old pops 1/3 at 1715. Probably near Pechenga (John Campbell, in Finland, NU) Though we're talking about a distance of perhaps 100 miles from John's QTH in Ivalo, northern Finland, to Pechenga, it is the first DXer-reported reception of a Russian pirate that I've heard of. Very nice, John. (Don Jensen, NU)

EUROPE I couldn't help but get a little upset. I saw your remark (Jan LN-4 line 8 -gh) on my reporting R. Caroline/R. North Sea. I only wish I had a tape recorder, for it seems I am the only one so far to report on this, believe me there was no mistake as to frequency or time or station. I was waiting for Malta when all of a sudden this program came on. I have sent them a report asking them to verify the no answer so far. (Robert Beaudoin, Bridgeport CT) OK, from the report I couldn't tell whether you were aware of Malta (gh)

AFROEURAMERICA R. Euzkadi, "the voice of the Basque underground" has a daily xmas of apx. 30 mins at 1930a, repeated at 2030a, 2130. Normally two frequencies are used, 12080a and one varying between 13190 and roughly 13250 kHz. The exact s/off time depends on the precise length of that particular day's tape and exactly when each starts. However, exactly the same peculiar pattern was noted on 1/16 beginning at 1958* and 1/17 at 2106*-sign off partially repeated both 3 and 6 minutes later than Basque music beginning in a (continued)

(Euzkadi, contd.) few minutes. The exactly similar timing of the 3 s/off pattern on both dates rules out accident or technical difficulties. Instead we are probably dealing with some sort of secret signalling and code system. But R. Euzkadi does have a technical problem--cross-modulation with a second, yet unidentified station. First noted 2055 11/3 when during the anthem, which is part of the normal s/off, a man and woman could be heard talking in the background on 13220a. However, what sounded like the same thing was heard again at 2155 thus suggesting faulty taping rather than c-m. But on 12/17 a clear case of c-m was logged. At 1933 tune in, a normal RE xmsn was in progress on 13220a. At 1934 a severe carrier hum began. At 1940, in addition to the RE pgm, an extraneous female voice could be heard on RE's carrier. At 1941 RE, the hum, the second voice and the xmtr itself all left the air. At 1945 RE was found again on 13205a still with carrier hum but now with extraneous music in the background. By 1950 both the hum and the extraneous music had disappeared and the 1957 s/off was normal. A repeat of this xmsn but without the carrier hum or c-m effects was monitored on 13220a at 2034-2057. As these anomalies were not present when RE played the tape again, faulty taping can be ruled out as their cause. On 1/8 RE's first xmsn did not begin until 1942, s/off was at 2012 and the carrier stayed on. At 2022-2024 on 12080a there seemed, altho reception conditions made it impossible to be absolutely certain, to be one side of a Spanish phone conversation in the background, followed by normal RE s/on at 2030. We need more observations by other SWLs both on RE's signalling procedure and, even more important, those cross-modulation effects. (G. M. Stanbury II, Ont, SWNS) La Voz de la Resistencia Chilena from Algiers, heard 11/8 *2330 with drums, ID on 15395u (W. Martijn, Leiden, Holland, BDXG)

MIDEAST A survey of R. San'a's evening pgm on 9780 reveals that the Voice of Palestine pgm presented by the PLO is apparently no longer broadcast. (BBCMS 12/18)

USA I heard a pirate station on 12/28 IDing as "WQPR, New York". Frequency announced as 1620 kHz, the measured by a caller (it was a phone-in show) as drifting from 1622.5 at *0430 to 1620.1 at 0745. Sked given as 0430-0730, tho lasted that night to 0800*. Progressive rock (i.e. music where you never heard of the performers before). Said they were on on weekend nights (Fri, Sat); had been on for a few weeks and would next broadcast on NYE or the night of 1/2. I believe ancr mentioned that he had worked on a defunct NYC FM prog. rock stn, WQIV; phone 212 354-9979 indicates lower Manhattan, encompassing Greenwich Village. Probably only 500 or 1000 watts; reception would probably be possible in the eastern third of USA (Jerry Slaff, Brooklyn NY) Only 500 watts?! Still heard by NRCers 1/18 (gh)
On 12/10 I heard a clandestine station somewhere on BCNA, IDing as WSF Ten, freq. announced as 8.7535 Mhz, but measured here on 8795 kHz. Played rock group Chicago's Greatest Hits and announced at 2212 "This is WSF Ten, broadcasting at 8.7535 Mhz. The time is now ten after five." I heard the station from 2205 tune in to 2220 fade out. Steve Handler says the WSF call had been assigned to a coastal station a few years ago for 2 Mhz operation, but that no station had been assigned the call for use on 8 Mhz. I've got this one on tape. I would be interested in knowing if anyone else heard this station. This is my first clandestine station in nearly 13 years of DXing. (James A. Conrad, Waterloo IA) MORE on LN-6:

Broadcasts in English UKRAINE SSR Radio Kiev has begun daily English broadcasts, instead of 3 times a week. To NAm 0030-0100 on 6020 7150 7205

9780 12050 15140 15180 15455; 0300-0330 on 5980 6020 7245 7260 7400 9580 9780 11860. To Eur 1930-2000 on 5920 6020 7360 (R. Australia DX 1/18; BBC MS 1/8)

THAILAND Acc. to an item in the Indian Express 10/21, the Thai govt. ordered all commercial English lang. broadcasters off the air from 10/20, for national security reasons. (A. J. Sampath in DX Digest 10/75 of the IDXC1 via DUDXS) 11950/9650 ex-11905 R. Thailand in Eng. at 0820 (Craig Tyson, Perth WA, NU 12/27) Noted at 0500 and at 1020 in Eng. on new 11943 drift from nominal 11905 still announced; from 1100 onwards also hrd on 9647 ex-9655 (Willis)

TAIWAN BGC to Af/Eur 1900-2000 9510 11825 11860 15345 15370 17720 17890 (R. RSA DX 12/24 via W. Noel Brown, Ann Arbor MI) They hardly ever change frequencies (gh)

SYRIA R. Damascus has moved from 9655 to 9580 for English 2030-2200 (Jean-Pierre ----, in France and Leo Jung, W. Germany via SCDX 1/20 via gh)

SUDAN The R. Omdurman "southern provinces program" including some English has moved from 1300-1500 to 1500-1800 while the "Holy Qur'an" pgm takes over the former spot. English news and commentary are at 1630-1650 on 6150 and 5038 kHz (BBC MS 12/18)

SWEDEN (ocpe) Changes as of 1/16 1400 to SAs 11970 ex-11735; 2300 to NAm 6120 ex-6035 (SCDX)

ROMANIA R. Bucharest D75 (presumably valid another month) of LN-6 for BBC's version.
0530-0600 Af 17840 15350 11840 1730-1800 Af 15365 11790 9590
0645-0715 Pac 17790 15380 15250 11940 1930-2030 Eur 7195 6150 (via Donald E. Rojewski,
1200-1230 As 15285 11830 2100-2130 Eur 7195 5990 Tacoma WA)
1300-1330 Eur 15250 11940 9690 0130-0230 NAm 11940 11710 9690 9570 6190 5990
1500-1530 As 11940 9530 7225 0400-0430

PHILIPPINES R. Veritas is testing in English at 0100-0200 (Margaret Cheng, RV) 15310vvvv?

PAKISTAN (Gf Jan LN and Feb DYB...) Evening pgm for UK has not been moved to morning, but hrd at 2100-2145, ex-2000-2045, on 7080/6235 (Bob Padula, Surrey Hills, Victoria)

NEW HEBRIDES N.H. Broadcasting Service was the ID hrd by Gib Junqua on 3945, no mention of R. Vila (Bob Bodell, Portland OR) NEW ZEALAND RNZ 0745 on 9585 ex-9540 (Padula, RA DX 1/4)

MONGOLIA RUB is heard again on 17785 1220-1250 (Mike Willis, Hampton, Victoria, Australia)

MALTA AWR will begin a new schedule as from 2/1. Because of difficult reception conditions a major change is expected to be from evening to morning transmissions. It's not certain if 6055 is to continue or will be replaced by a 31m channel. (AWR News via David Kernick) This will put an end to their de-facto NAm service at 2015-2045 Sats (gh)

KUWAIT R Kuwait in English at 1700 on new 9545; they were on old 9555 as recently as 1/3 (Gib Junqua, Ibaraki-shi, Japan, 1/8)

KOREA SOUTH R. Korea 1/2-hr pgms as follows: America 0500 0900; SA 1100; Eur 0630 1900; SE As 1630; General 0500 0630 0900 1100 1430 1900. On 11850 9640 9600 7250. As announced on 12/27 at 0630 (Larry Brookwell, Imperial Beach GA)

JAPAN Visited NSB/Tokyo 12/14, located on 6th floor of modern office bldg in the chic Aka-saka district; xtrs some distance in Chiba Prefecture. NSB has English Tues-Sun 1530-1615 on 3925/6055/9595 w/"Tokyo Forum Get-together". Also does occasional English simulcast for foreign-produced, Japanese-dubbed films; e.g. on 12/14 carried English soundtrack for "Medical Center" 1400-1500 for Tokyo Ch. 12, TV audio in Japanese, audio in English on 3 SWBC freqs. A first on SWBC? (Gregg Galkin, Tokyo, NU 12/20)

IRAQ Since 1/1 R. Baghdad's German pgms are at 2030-2130 on 9745 (several reporters to SCDX 1/13) This may affect the preceding English pgm timing also (gh)

INDIA Beginning 12/11 AIR broadcasts world news in Hindi and English at 0030-0035. The duration of the bulletin in each language has been reduced from five to two-and-a-half minutes (BBC MS 12/18) Why bother at all? (gh)

EGYPT English to Europe (and a number of other languages) have been retired because of a 15-min increase in Italian to 1830-1930. So English is at 2200-2315 on 9805 (BBCMS 12/18)

ECUADOR Should you have any problem receiving HCJB on SW, it's moving into American FM. A radio marathon was scheduled 1/24 1415-2415 on KGOY-FM, 104.9 MHz, Bethany OK, featuring HCJB staffers George Poole, Joe Springer and Abe Van Der Puy. I suspect similar marathons are being scheduled on 'gospel' stations elsewhere in the country. (gh)

CONGO RTVC has a 1/2-hr English pgm 2130-2200 every Tuesday for teachers in the Congo and consists of new book reviews, language lessons, afro music, on 15190 (John White, FL, SPREDX 12/2) Checked here Tues 1/6, and found it ran at 2137-2207 (gh)

CANADA RCI has replaced 9640 with 9570 at 2100-2157, bad ly mixed Bucharest (Richard E. Wood, Garden City LINY) I was watching "Monty Pythons Flying Circus" on my local CBC-TV channel when on came a commercial for RCI!! "If you are travelling anywhere in the world, you can take along your SW radio and make your vacation a lot more enjoyable by listening to RCI" In between the sales pitch were brief segments of RCI's sign on annts. The ad was quite slickly produced with scenes of people lying in the sun and listening to Barlow Wadley XCR 30 radios; (Michael A. Bollito, Toronto, Ont.) Very interesting. Could you imagine VQA doing something like that? Coincides with a different approach on "As It Happens" SW IDs; aimed at Canadians travelling abroad rather than Americans (gh)

BENIN Sometimes there is a news summary in English from 2035 to 2045 on 4870 from Radio the Peoples Republic of Benin (Ad van Dijk, Eilthoven, Holland, via SGDX 12/16)

BELGIUM The real reason for the cutback of broadcasts to the western hemisphere is friction between RTB and BRT /French and Dutch/ After 3/7 each will have its own international service. (Paul Renard, interviewed on RN DXJB 1/1 via gh) A reminder that this is the last month we shall be able to enjoy English broadcasts from Belgium: 2255-2315 on 9755; 0040-0100 on 6080 kHz (gh)

AUSTRALIA A note from Adrian Peterson says the outlet heard by ARDXG member John Hayne on 7260 is possibly the new 10 kw outlet being constructed for the ABC Domestic Service, SW relay from Darwin. I have no other data about this, merely that tenders were placed many months ago for the supply of two 100kw SW units for ABC-Darwin. (Bob Padula, Victoria)

Future Plans ECUADOR Rdif. Municipal, Quito will activate a shortwave transmitter as soon as a frequency has been allocated, per the newspaper 'El Comercio' (BBC MS 12/18)

INTERNATIONAL WATERS The owner of R. Northsea was fined 5000 Dutch Guilders and the ship Mebo II has to leave European waters within 3 months, according to the Dutch press. // The Dutch press also reports that the studios of R. Northsea will probably be used by a new pirate called Black Rose with HQ in Liechtenstein. Test xmsns will start at the beginning of 1976 from a ship situated near the MI Amigo off the English coast, and the xmr will be strong enough to cover the entire Western Europe. (Fritz Mulder of Brunnen, and Hans van Walderveen of Breukelen, Holland, via SGDX 1/13)

MONTERRAT DW is presently completing construction of a SW relay station at River Field at the extreme south of the island, just a few hundred metres from R. Antilles, which broadcasts DW pgms on MW with an output of 200 kW (Alliance des Clubs de Réception Radio via SGDX 12/23) If this is true, we might speculate that the deal with BEC to share a new Antigua relay base is off; perhaps BEC has even shelved the entire project. (gh)

VATICAN The Vatican is building what it claims will be the world's tallest rotating radio aerial to improve the broadcast of its daily programs. The radio's technical director says the aerial is made of two steel towers connected to a 500-kilowatt short-wave radio. The towers are to be connected to a bridge, rotating on circular tracks. (AP Radio APB400 1/8) The structure consists of two 79-m towers linked by a 85-m bridge turning around a pivot, at Santa Maria di Galeria, the extraterritorial enclave nearly 10 times the size of its Vatican City motherland, 18 km north of Rome. (UPI via SGDX 1/13)

PORTUGAL The AWR xmsns from Sines on 9670 will be changed in February, no doubt altering some people's listening habits. (AWR News via David Kernick, Prescott, Merseyside, England)

ZANZIBAR R. Tanzania, Zanzibar has reported discussions between the President of the ASP (Afro-Shiraz Party) and the Ministry of Information, Broadcasting and Television concerning plans for the purchase of new radio transmitters to improve the audibility of Radio Tanzania's (ed: presumably Zanzibar) broadcasts. (BBC MS 1/2) MORE FUTURE PLANS ON LN-6

Program News CANADA European members wondering what all the fuss over CBC's "As It Happens" is about now have a chance to listen for themselves, in a special weekly edition Suns at 1400-1500 on 6195 kHz--probably via Daventry. (gh) More below.

ISRAEL Did you or anyone else catch the midnite mass from the Church of the Nativity from Israel Radio on Christmas Eve at 2147-0030 GMT? (I didn't, but Larry Magne did -gh) I heard the pgm on 5900 kHz with NO jamming at all!!!! What is so amazing is this: The Russian pgm from Israel is normally at 2100-2155 and is always heavily jammed until 2155*. On Xmas Eve the regular Russ. pgm ended at 2147, followed less than 15 seconds later by the pgm from the Church of the Nativity, with blessings and greetings in various languages, including Russian. There was not one modicum of jamming from 2147, but prior to 2147 the jamming was terrible. Have the jammers gotten religion? I have this on tape. (James A. Conrad, Waterloo IA) Probably just saving Rubles; jamming predominantly non-Russian broadcasts may not be worth the expense to them. (gh)

IVORY COAST (a.k.a. Norsunluurannikko in Finnish -gh) RTVI's English service is now on 1845-2000 Mon-Sat with news headlines at 1847 and a more detailed news bulletin at 1945. Every Monday at 1925 there is a program of African rock music. The service seems to have an identity crisis, not sure whether it's an external or int'l service or whether it's Radio Abidjan or Radio Ivory Coast, using all four at different times. (Adam Gaffin, Brooklyn NY)

UGANDA Would you believe that RU has only one announcer? Several weeks ago, RU on 9730 kHz gave the intro for the news, but all that followed was 30 min of music. The next day, announcer George Johnson(?) was introduced as reading the news (he is the regularly heard announcer). At least a dozen times during the news he could be heard coughing and several times what sounded like choking. Perhaps he was ill; this would account for why he was not there one day. During the December broadcasts, Mr. Johnson ??? (sounds like Mubtu) regularly blew the station schedule, forgetting days of operations, once on a Monday, then forgot to mention that the broadcast on Mondays in the schedule; his sign offs are neat also; one day he signed off with "I guess that's all" and another day with "Goodby". (Steven J. Handler, Deerfield IL)

UKOGBANI BBCWS features this month Suns 1709-Mons 0230-Tues 1130: The World of Islam, in four parts examining the nature of Islam, its place among world religions, the way of life of its followers and the impact which Islam has had upon other cultures--in mathematics, philosophy, art and architecture. Tues-0030-Weds 1430-Fris 2030, The Rogues, four dramatized programmes about famous villains, including Colonel Blood and the theft of the Crown Jewels. (gh)

USA (a.k.a. Yhdysvallat in Finnish) If you like Ray Coniff-type music, then the voice of the OAS is for you, playing that kind of music from all over the hemisphere during its 2345-0130 xmas in English, Spanish, Portuguese and French. If, however, you like your music hot and saucy, you'll have to go somewhere else. The rest of the programming consists mainly of news of the latest Andean Pact trade agreement and such, although the hour-long Spanish broadcast (the rest are 15 min each) also gives info on how to obtain OAS scholarships, grants, etc. (Adam Gaffin, Brooklyn NY)

CANADA I just wrote a letter to Mr. Alan Brown, Dir. of RCI on the possibility of having an xmtr directed to NAm and LAm during the Stanley Cup Hockey Games this year. As you know the National Broadcasting Co. dropped hockey from its TV schedule this year, so it looks rather grim for us hockey pucks. What I would like is for all of us hockey pucks in NASWA to write to Mr. Brown asking for a special frequency, since the Northern Service beams some times are quite poor here in the U.S. Maybe if enough people write it will start him to really thinking positively on the matter. I've already done my part, now it's up to the rest of the hockey world to do something about the situation. I'd be willing to bet a cup of coffee that if Mr. Brown got a few hundred letters in the next few weeks, it would really shake things up. At least we can hope. (Jim Conrad, Waterloo IA) More on page LN-6.

DX Programs BELGIUM RTB may add an English DX program for Africa (Paul Renard, DX edit or, interviewed on RN DXJB 1/1) The last two English DX programs for NAm should be on at the usual times 2/9-10 and 2/23-24 (gh)

CANADA In the interest of the SWL hobby, the International SW Club, London, England, has initiated a campaign to regain the RCSI Club. A concerted effort from all SW listeners under one label, "RCI Petition" could achieve this aim, simply to commence with by writing their name and address upon a post card marked "ISWC RCI Petition" and send to: ISW Radio, 47 Harridge Road, Leigh-on-Sea, Essex, SS9 4HE, England. This will then be attached to the Petition List. (ISWR, monthly organ of the ISWC via SCDX 12/16)

GERMANY WEST From 1/7, Alan Thompson's DX program, "DX Circle" will be broadcast weekly on Deutschlandfunk MW 1268 kHz at 1900 (Thompson, Neath, W. Glamorgan, UKOGBANI via SCDX 12/23) January 7 was a Wednesday (gh)

MALTA AWR has an additional DX program in French, twice monthly Fridays at 2015 on 6055. (AWR News via David Kernick, Merseyside) Perhaps it too will be resked to mornings (gh)

NETHERLANDS Commencing 3/4, DXJB will air a new technical course--a transistor course which takes up where our previous DX Receiver course--based on valve receivers--leaves off. The 12 lessons will be broadcast over a 24-week period, each lesson given two weeks in a row. As usual, the course is available to RN listeners free of charges upon individual application. The course will be mailed in sets of four lessons and students will automatically receive the next set when they mail answers to the questions at the end of each set. (Dick Speekman, R. Nederland, Box 222, Hilversum, Holland)

NEW ZEALAND Arthur Cushen's DX World will be aired at 0645, 0945 /first Wednesdays/ and at 2340 following Sat, until 3/7 /when standard time changes things -gh/ (Cushen, RNDXJB 1/1)

(Items on this page were received too late to appear in the proper section; but why should you have to wait a month longer?) Lead section:

ALGERIA As from 12/22 R. Algiers Arabic net is 24h, ex 0600-2400, per AFS (BBC MS 1/3)

NETHERLANDS ANTILLES Though RN's Engineering sked shows the 2130-2250 broadcast to the Caribbean as in Dutch, BBC MS lists it as in Papiamentu, on 6020 kHz (gh)

PAKISTAN Altho Islamabad and Rawalpindi are only a few miles apart, they do have separate transmitter sites. Both are operating to the best of my knowledge, but I believe it is RP's intention to phase out 'Pindi stn, now used for Azad Kashmir R. among other pgs. They recently closed 'Pindi TV outlet, in favor of higher powered Islamabad/Murree xtr. My guess is 'Pindi will go as soon as new high powered Islamabad MW xtr is operational later this year, as the 'Pindi MW outlet is probably the main reason for keeping the site going. (Gregg Calkin, Ottawa Ont, late of Islamabad via NU 1/25)

PORTUGAL Since 1/4 domestic stations, except R. Renascença, low-power and foreign-owned, are part of new state-run Radiodifusão Portuguesa. R. Renascença will resume 1/1 on low-power-MW or VHF (BBC MS 1/8) No mention of reactivating SW outlet (gh) Cf. LN-1

SAHARA (Cf LN-2) Altho Al-'Uyun carries Moroccan programmes in Arabic until 2100, these are not linked with Rabat. After 2100, 4627 carries RNE/Spain news in Spanish (BBC MS 1/3)

YEMEN (NORTH) San'a is now on 4852.5 ex-5805, //9780 (BBC WRC via Bodell via NU 1/25)

The Southation **PHILIPPINES** Radyo Pilipinas up to 9585~~h~~ from 9580 at 1106 1/10 hetting NHK; R. Veritas up to 11876 from 11832, 1301 (Robt. Yeo, Vic., NU 1/25)

VIETNAM Saigon HS on new 11436 // 9620 7245 6165 4877 (BBC MS 1/3)

Clandestine Cranny **VENEZUELA** In a "Voice of the Free Canary Islands" broadcast from R. Algiers 12/22 a special PALIAC (Movement for the Self-Determination & Independence of the Canaries Archipelago) message requested listeners to send recordings of the programme to Venezuela where 'we intend preparing another radio station on SW for the Guanche comrades over there'. (emphasis added; BBC MS 1/3)

ALGERIA Since 1/1 the "Voice of Palestine" pgm is retimed to 1800-1900 ex 1830-1930 on 11810 7247 7194 6160 6080 kHz. On 12/30 the Polisario Front's "Voice of the Free Sahara" announced over R. Algiers that a new Saharan radio service is broadcast daily at 1930 in Arabic and Spanish on 1341.4, 1495.8, 1517.2 and 1547 kHz--unconfirmed yet (BBC MS 1/8)

Broadcasts in English **BELGIUM** R. Sofia: to NAM 0000-0100 & 0400-0430 on 9700; to E/C AF 1905-1930 on 17825 15310; to GB & Eire 1930-2000 on 9700 6070; to Af 2105-2130 on 17825 15310 11900 11730; to GB & Eire 2130-2200 on 9700 6070 (BBCMS Dec)

NETHERLANDS ANTILLES The RN shows the Mon-Fri Eng/Dutch to NAM 1642-1651 on 11820, BBCMS has it on 17775; they agree on // 15190 (gh)

PAKISTAN R. Pakistan has retimed one broadcast and dropped English from another, resulting in this sked:

0230-0245	FE	21590 17830	SAs	(21590 17830 17665	1100-1115 WEu	17665 15110
0340-0345	FE	17830 15325	ME	(15520 15325	1145-1415* Bang	7290 6190
0430-0445	EAF	11885	AF	(15115 11885	1630-1645 ME	11885 9462
			SAs	15325 11885	1815-1820 Eu	7085 6235
					2100-2145 UK**	7085 6235

15-minute pgs are at slow speed exc. 0700. *Also in 0000-0010 SEAs 11885 9460 7080 Bengali/Urdu. **cf Don't you believe... (BBC MS 12/75)

PERU R. del Pacifico, Lima has a one-hour English news and music broadcast Monday to Friday at 0200 (BBCMS 1/8) They probably mean Tuesday-Saturday GMT (gh)

ROMANIA (cf LN-3) BBCMS agrees with the sked elsewhere, except: 0645, 11830 instead of 15800, 1300, 1795 instead of 15250; add 6155 at 0130, 0400 (BBC MS 12/75)

Future Plans **AUSTRALIA** RA reports that student radio stations are to be represented by a new national body as from 12/22 following a national conference at Monash University in Melbourne. A campus radio network is to be formed consisting of 20 affiliated stations, of which six have already been granted broadcasting licences. (BBC MS 1/3) No freqs given, BBCMS not being concerned with 'whether it's SWBC or not', but I wouldn't be surprised if these show up just above 1600 kHz, as in the past (gh)

SOMALIA Per R. Mogadishu, the Dir. of Broadcasting paid an official visit to Hargeisa in connexion with plans for a new transmitter for R. Hargeisa. (BBC MS 1/3)

SUDAN R. Omdurman reports on a meeting in Khartoum held by the Minister of Transport and Communications, attended by the Czechoslovak Ambassador, discussing necessity of speeding up work on the Reiba broadcasting transmitter to meet its target date of 5/25 (BBCMS 1/3)

Program News **MOZAMBIQUE** R. Mozambique, Lourenço Marques, reports on a conference which Frelimo's Department of Information (DIP) held in Mocimboa, Cabo Delgado Province. The DIP conference concluded that news bulletins were badly prepared, based on criticism raised by listeners regarding the excessive duration of the news bulletins and newsreel magazines broadcast by R. Mozambique. Long reportages, broadcast one after the other, bored listeners, and, as a result, R. Mozambique has decided to effect changes in its news services from 1/1. The "A" and "B" channels will open daily at 0355, and will carry a 10-min newscast at 0400, followed by a short-duration bulletin at 0500. The mid-morning bulletin will last 10 mins at 0800, while 1030 cast will last 45 mins. Evenings, there will be 15-min bulletins at 1400 and 1730; 10-mins at 2000 and 2200. The 1730 newscast will be followed by a newsreel magazine, including political and cultural topics, etc. lasting two and a quarter hours. (BBC MS 1/3)

TANZANIA RT will no longer broadcast West European music on the National Service. The Director said this step had been taken to enable R. Tanzania to provide a service compatible with the dignified position of Tanzanian culture. (BBC MS 1/3)

Miscelánea Radial DON'T YOU BELIEVE... ...the report appearing in SCDX 12/9 (and repeated in Jan LN-5: gh) stating that two 250kw Darwin txers have been brought back into operation. This is completely false. I am becoming increasingly concerned at the reliability (and credibility) of information emerging from this source (ie, NZ) which claims "professional" Monitoring Services, and have written to R. Sweden correcting the material published. As I work as an Engineer for Telecom Australia, I believe that I ought to know what is going on! To my knowledge, the 250kw Darwin txers remain inoperative, due to lack of antennas, and have never been on the air since the cyclone. The schedule published in SCDX as an "operational" schedule is merely the tentative freq. assignments registered with the IPRB late in July 1975, and certainly are not meant to represent active, on-air frequencies! Also, contrary to the same SCDX and same source, Pakistan's evening program for UK in English has not been replaced by a morning service, which remains in Urdu at 0830-1100. However, the evening program has been retimed one hour later to 2100-2145. (Bob Padula, Surrey Hills, Victoria) Arthur Cushen's prestige has become so enormous that his information has been accepted without question. Let us hope that he will accept the great responsibility his reputation entails, and make surer of his facts--and cheerfully correct his own errors when they come to his attention. However, in DUDXS, Cushen reports: "The Darwin relay has reactivated two of its 250 kW transmitters according to the Australian Telecom. Scheduled on 6010 at 1800-2100." (emphasis added -gh). DUDXS notes they have not heard it yet. (gh) ...that there's a station on Taiwan called "BBC" as the 1/20 SCDX announcer does (gh) ...that Scituate/SIT-choo-It/ and "situate" are pronounced the same as in Jan LN. How do I know? 'Cause I grew up in Cohasset, five miles north of Scituate. And, oddly enough, until recently (six months ago) I was working for a company in Oakland about two blocks away from the WYFR studios on Hegenberger Road. (Bob Hill, Berkeley CA) You're right--last syllable is different, but the RA man was saying "SIT-choo-ate-Id in SKIT-choo-It", hi. (gh) Re AKR/TWR/DW sites: isn't it true that NASWA gives papal dispensation for counting countries whose xmts are actually in an adjoining country if the former can't be heard any other way? (e.g., Vatican). "Germany via Rwanda" is irrelevant in this case. (Hill) Yes, NASWA does, but I personally cannot accept such an absurd idea. To my mind there is no difference but degree between counting a Rwanda xman as "Germany" and TWR-France as "Monaco". They both involve 'remote' transmitter sites, and the national territory whence the SW signal ultimately radiates is what matters to me. (gh) ...that R. Canada broadcasts time signals on some of the same frequencies as WWV or that R. Netherlands is a government-run station as was said on the 12/27 edition of HGJB's "Passport" which was dedicated to "all those who got SW radios for Christmas," which was hosted by 2 men (one of them a ham) who obviously knew little about any SWEC stations besides their own. (Adam Gaffin, Brooklyn NY) ...that MM listeners can now hear "As It Happens" on shortwave in the 49 millimeter band as proclaimed by Alan Maitland, or that during 1976 Barbara Frum will be the first person ever to interview a rape victim "As It Happens" (Bob Bodell, Portland OR) That's a real rib-tickler, isn't it? (gh)

THE DOGHOUSE Here's a weird one: 1/7 at 1550 I tuned in the All Asia (English) Service of the Sri Lanka Broadcasting Corporation and I heard another English-speaking station underneath. Know what it was? The Sri Lanka Broadcasting Corporation with a different English programme!!!! Both signals were fairly strong but the All Asia Service was dominant. Now in the programme underneath there was an interview with references to a joint Sri Lanka-Yugoslav project, so perhaps this second transmission and the 0900-1000 broadcast is intended for Sri Lankan workers in Yugoslavia. (David Kernick, Merseyside) Oops, no frequency-gh

PUBLICATIONS World Radio-TV Handbook publisher has confirmed that the '76 WRTH will not be off press till very late in February, possibly first week in March. This contrary to info from Frost and/or publisher in early October. As far as Gilfer is concerned, they've done it this time. Oddly, Frost does not seem concerned about latest debacle. (Perry Ferrell NU) **Down Under DX Circle** has published its third newsletter, DUDX Survey dated 12/7/75. The 12-side legal-length bulletin includes a 4-page survey of Asian and Moscow stations heard on the 49a band; a 1 1/2-page survey of 4000-4750 kHz; a one-page article by David Foster, "Whatever Happened to Timor?" and 4 pages of general DX loggings by country and frequency, including a full page of Indonesians. Anyone may order for 4 IRCs airmail outside ANZ from DUDXG, 17 Stevenson St, Kew, Victoria 3101, Australia. No. 4 should be published around March or April, covering the just-completed trip to Indonesia by Foster and Willis (gh) **Broadcasting Stations in Taiwan (Domestic) 1976** is a 6-side folder billed as "the world's most complete frequency list--with BGC and commercial stations fully covered; public, military and other stations of recent data." It's the result of a week spent in Taiwan last August by the compiler, Kimo Masumoto. In WRTH format, it's professionally printed (with an ad from National Panasonic) and quite detailed, but of most interest to MW DXers since there are only eight SW-frequency-stations listed, AFMT having dropped SW and BGC external broadcasts not being covered. 5 IRCs by air, 3 IRCs by surface from Masumoto, 890-30, Kamigo, Totsuka, Yokohama, Japan. (via Mac Leonhardt)

Wood & Nelson Monograph #11 (see previous discussion) I ordered same, check cleared, still nothing. Hmmm. (Mike Hardester, San Diego CA) I did a little more research on the problem of obtaining the Nelson & Wood Monograph. Here's how: 1. "ED NO. 104 157" 2. "Paper Copy" and number of copies 3. "\$1.95 Unit Price" 4. "\$0.18 Postage" (may be more now!) 5. State total and enclose check or money order. 6. Virginia residents: sales tax 7. Mail to EDRS, Box 190, Arlington VA 22210. (Dave Walcutt, Carbondale IL)

THIRTEEN-METER OPENINGS IN THE MIDDLE OF THE NIGHT have often been observed by Mr. Pat Dyer in San Antonio, Texas, best known for his extensive research into sporadic E as W5IYX. On 10/26 at 0740 he found signals on 21560, 21710; 10/27 at 0815 on 21480; 11/1 at 0840 on 21480, 21580-French, 21560, 21600, 21690, 21710-BECWS: We hope for more reports. (gh)

IN MY OPINION Arthur J. Watson, Burnaby BC: "I don't have anything against religious broadcast stations, but I do not like them. That is MIBM; this one just misrepresents me as religious broadcast station while making the most reactionary political statements I have ever heard. Hittler would have liked that one. I have heard broadcasts from MIBM insulting to almost every religious and ethnic group, except the '100% Americans', whoever they are. I am amazed that hardly anyone else has made statements critical of MIBM. Secondly, about privately owned SBCs in the US. While I don't really care much about your domestic broadcasting down there, it seems to me that one type of broadcaster might be interested in broadcasting on SWB units rather than on. You might be able to do something in that direction. It seems to me that there are electrical engineering types on every campus that might enjoy setting up a SW relay of their university radio station. Some might even be members of NASWA. I would suggest low-power, making any university SW stations fairly hard to hear. Unless you were near by. It seems to me that most of the Canadian stations in the 49 metre band don't really care much about any audience the SW relay may have. I agree with Harry Holmes' opinion about the 49 m being Jerry Sieff, Brooklyn NY: "I agree with Harry Holmes' opinion about the 49 m being a station of the company, under produce its own programming, and on an alternating basis. It would be broadcast over this domestic transmitter. As a sample, a week's worth of broadcast would alternate between New England, the Mid West, South, New York City [I'm an NYC character] and the West Coast. The broadcasts would include regional music, humor, news, etc. The only Amer I'd like to see on SWBC is MWA, Wheeling WV. There aren't any decent CW stations in NYC."

Bob Underdown, Bloom Springs NY: "I've been reading a lot lately on hobby pirates in Europe. I am understanding and sympathize with young men who have ops in Eastern Block countries who turn clandestine to be able to experiment with homemade transmitting equipment. I still believe that the problem isn't as widespread here as it is in Europe. My main reason being: anyone with only a fair amount of electronics experience can build low power shortwave transmitters a fraction of a watt up. In fact most of the parts, including a 375.5 kHz crystal, could be found in almost every decent tube model color television set; I think hobby pirates are a serious problem possibly causing dangerous consequences with ships at sea if they cause QRM on navigational frequencies."

Dave Waldoff, Cambridge IL: "I think the opinion section provides the rare chance for individual members to express themselves on topics relating to the direction and meaning of the service and hobby of the SW medium. I really agree that any and all stations are fair game. The fact of the matter is that the telling of the objective facts can sound like criticism; "sometimes the truth hurts", even if for some people truth is supposed to be spelled with a capital "I...". On the other hand, I agree that really gratuitous expressions of opinion should be suppressed, especially if the writer doesn't bother to respect the intelligence of his readers by indicating his qualifications."

Kim Anderson, Minneapolis MN: "The classified ads in the latest Communications World (a magazine for SWB and other radio hobbyists) include the following: "1,000 lonely ladies for sale," "Japanese Girl Marie wonderful wife," "Beautiful Mexican Girl wanting American Boy-Friend (sic)," "X-Pilms - Loveless, others," "What kind of people do they think SWB are?" "The young males submitting their sexual desires by knob-tickling" "Michael Lucas Jr., Johnson City NY," "The new international postal rates are ridiculous - especially with IRCs - a 16¢ hike. The American Public is complaining about a 3¢ raise in first class let alone 16¢ more for IRCs, 4¢ more for stamps (overseas) and zero-grammes. It seems to me that it is the DXer and other users of this service, rather than the general public who is getting really hit by this. I feel that the DXer should voice his opinion on this and next time there is a postal hike that the government take the rise on other letters, extra, services of this nature, rather than on the shoulders of the DXer." Glenn Hansen: "You should buy your IRCs in Canada, hi. It strikes me as absurd that SWB operators eagerly accept pirate stations just above 1605 kHz, which imitate domestic MW broadcasting, while they reject legitimate MW broadcasting stations which happen to radiate on a ham band on a higher, more truly shortwave frequency."

VARO REPORT The VARO working group meeting of 1/12 came up with the preliminary proposal for the international broadcast frequencies (kHz):

3900-4060#	2500-2600
4750-4950#	9400-9900
7300-7700#	11500-12000
15050-17000	13600-14000
25600-26100	15050-17000
21450-21850	17500-18000
27500-28000	

Some similarity of frequencies. # suggested that amateur be limited to 3400-3900 and 6800-7300 (western hemisphere); 6900-7100 rest of world. Completely new bands unutilized. The group will take action on channel spacing and power limitations at later meetings. Comments on the technical future of SWB from NASWA members would be appreciated. Send them to Kim Anderson, 1231 8th St SE, Minneapolis MN 55414. (KL107) and comments on the present usage may be sent to Glenn (GN) I hope that the club or ANAND could help to have accurate list of the stations. One way that the club or ANAND could help would be to have surveys of selected broadcasters especially when the entire country or just one area on substantially lower power. Data from members over the entire country or just one area on many nights over a period of a month or two could show how the listener is receiving the stations with a variety of equipment. (Tom Overcamp, Seneca SC)

A BIG THANK YOU to all who have contributed material for LN! It is our pleasure to compile it. Please understand that we try not to repeat information that has appeared recently, unless it you'd like material returned and be patient for a personal reply. JJ, Glenn

QSL

Report



•Editor: William E. Ollver
45 Wildflower Rd., Levittown, PA. 19057

Last month I made a few suggestions for reporting to "QSL Report". One of them may have been worded a little too harshly. I did not mean to imply that you could not print or even write your report. I merely ask that it be done legibly. Less than half of the reports I receive are typed.

Sam Barto, Watertown, Conn., finally received a QSL from Libya after trying for ten years! Perseverance is a virtue. Patience is also a virtue. Tom Gavaras, Wayzata, Minn. got his QSL from Nepal but he had to wait a while for it. He probably told them there was no hurry. And here we go.....

ALBANIA: R. Tirana, 6200, flag card in 67 days, sea, after f/up for 2 IRC's. (Rockwood).

R. Peking Relay, 7120, card, books, sked and other misc under separate cover in 30 days for EE rpt. No rp. (McCarthy); "On Patrol" card w/o time, EE sked and promise of magazines in 18 days. No rp. (Carr).

ALGERIA: RTVA, 6145, full data "RTVA Logo" card in 98 days for AA rpt and 2 IRC's. (Beaudoin): 9685, card, sked and rot form in 3 months, air, for 2 IRC's. (Wiles).

ARGENTINA: RAE, 9690, card w/full data in 11½ weeks, air, for EE rpt. No rp. (Cosier).

ASCENSION IS: VOA Relay, 15195, card in 6 days. No rp. (McCarthy); full data Capitol card in 3 weeks. No rp. V/s W.E. Dulin. (Overcamp).

ASIATIC RSFSR: R. Moscow via Petropavlovsk, 9780, full data card in 27 days, air, for EE rpt. (Sarrazin): via Khabarovsk, 11690, via Blagoveschens 9580, card, pocket calendar and New Year card in 4 and 5 weeks, air. (Cosier) via Sverdlovsk, 11705 (Gt. Britain Svc), card in 1 month. (Legge): via Petropavlovsk-Kamchatsky, 9540/15140/15180, full data cards in about 30 days. No rp. (Noonan); via Sverdlovsk, 7100, card in 1 month. (Heimke)

AUSTRALIA: R. Australia, 9580 Shepparton-50 kw, full data "Primrose Orchid" card in 91 days, air, for EE rpt. No rp. A few months ago R. Australia noted that they had a lot of catching up to do and that mail will be slower than usual. (Schipelliti); full data color picture card of San Michelle Sheep Station in 3 months, sea. No rp. (Wala): 15140/17740, full data "Cave Painting" and "Historical Park" cards in 223 and 212 days, sea mail. No rp. (Mayer): 15160, full data card w/Lyndhurst site and power-10 kw in 53 days. No rp. (Noonan)

VLW6-Perth, 6140, full data blue map card in 56 days for 2 IRC's
Card is marked VLW6 but freq is shown as 9610 kHz. (Carr).

VLW9-Perth, 9610 full data card in 37 days for 2 IRC's. (Carr).

VLR6-Melbourn, 6150, full data map card in 64 days for 2 IRC's.
Card is the one that Sidney uses. It has Sidney address on front. (Carr).

VLL6-Sidney, 6090, full data card in 11 days for 2 IRC's. (Carr).

VLM4-Brisbane, 4920, full data map card in 15 days, air, for EE rpt and 2 IRC's. (Beaudoin).

AUSTRIA: ORF, 15105, "Holiday Center" card in 6 weeks, air. (Padula).

BELIZE: R. Belise, 3300, map card in 12 days, air, for 2 IRC's. (Rockwood); card w/o time in 20 days, air, for EE rpt and 3 IRC's. V/s J. Roberts. (Gavaras); map card in 10 days for postcard and EE rpt. Rpt was sent Dec. 28 and reply was postmarked Dec. 30! VIC #100! (McNeil) (Congratulations, Pitt. ed); map card w/no time that has extended sked on it in 11 days, air, for EE rpt. No rp. (Davis).

BOLIVIA: La Cruz del Sur, 4875, "Inca Ruins" card and pennant in 3 months for SS rpt and 3 IRC's. (Ball).

BRAZIL: R. Nacional de Brasilia, 11780, full data pink map card in 16 days for EE rpt. No rp. V/s Walter M. Barbosa. (Carr); map card, city map and info in 25 days, air, for EE rpt and used U.S. stamps. (Sarrazin); full data map card, sked and wall map in 23 days. No rp. They sent the wall map because they have no pennants this year. (Schulman); card, sked and technical info in 40 days for EE rpt and 2 IRC's. (Brown).

R. Clube de Pernambuco, 6015, anniversary card in 8 weeks, air, for

PP rpt and 1 IRC. V/s Lucy Moreira. (Cosier).

BULGARIA: R. Sofia, 9700, "Orhid University" card in 120 days for EE rpt and 1 IRC. (Pearson).

BYELORUSSION SSR: R. Moscow via Orsha, 7105, full data card in 25 days. (Noonan): 9655, card in 1 month. No rp. (Heimke).

CANADA: CBC Northern Svc, 17820, "Jade Carving" card w/all data and sked in 31 days for Armed Forces EE rpt. (Sarrazin): 9625, full data "Sculpture of Bear" card in 14 days. No rp. (Cohen).

BBC Relay, 9510, no-data "Thames" card w/o site. No rp. (Carr).

CHNX, 6130, card in 5 days, air, for 1 IRC. (Wiles); card w/o time in 10 days for EE rpt and 10¢ stamp. (Schipelliti).

CFRX, 6070, "Carnival" card w/o time in 35 days, surface, for EE rpt. No rp. V/s Clive Eastwood, Engineering Vice-Pres. (Davis); "Carnival" card, sked and station info in 3 months due to mail strike. (Wiles).

CHU, 14670, full data "Sir Sanford Fleming" card in 12 days, air, for EE rpt. (Watson): 7335, card and bulletin in 15 days. (Sarrazin); card w/freq only in 20 days for EE rpt and 10¢ stamp. (Schipelliti): 3330, full data card and info in 2 months. No rp. (Schulman); portrait card and sked in 2 months, air. My IRC was returned. (Wiles).

CENTRAL AFRICAN REP: Radiodiff. Nationale Centrafricaine, 5035, letter in 5 months begging pardon for not printing CSL cards, sked and Coat-of-arms by air for 1 IRC. (Wiles). (Very nice catch, Bob. ed.)

CHINA: R. Peking, 11945, "On Patrol" card and pennant in 18 days, air. (Sarrazin): 11675, card and sked in 21 days, air, for 1 IRC. (Brown).

CUBA: RHC, 11760, circular design card w/all data in 65 days for EE rpt. (Sarrazin): 11870, full data card and typed letter in 9½ weeks. No rp. They sent a Communist Party newspaper and Castro speech which were received 2 weeks before. (Schulman): 9680, card in 5 weeks. (Barto).

CYPRUS: BBC Relay, 6180, no-data "Thames" card in 40 days for EE rpt. No rp. No site on card. (Carr); no-data card w/"East Mediterranean Relay" in 29 days for EE rpt. No rp. (Beaudoin).

CZECHOSLOVAKIA: R. Prague, 15415, "Lake Macha" card in 2 weeks. (Padula): 7345, "Castle" card and 1st day issue stamp covers in 28 days, air, for 1 IRC. (Rockwood); "Tatra Mountains" card in 27 days, air, for EE rpt and 1 IRC. (Pearson): 5930, full data black/white card of "Tatra Mountains" in 39 days, air. No rp. (Wala); "Castle" card and sked in 35 days for 1 IRC. (Brindle): 11990, "Castle" card w/full data, sked and booklets in 32 days, air. (Brown).

DOECANESE IS: VOA-Rhodes, 6015, card in 6 days. No rp. (McCarthy).

DOMINICAN REP: R. Mil, 4940, neatly typed full data letter in 17 days, air for 1 IRC. It came franked with 11¢. (Cramton).

ECUADOR: HCJB, 11900, card w/view of Quito in 6 weeks, air, for 1 IRC. (Padula): 11960, card w/view of HCJB recording studios in 5 weeks, air, for 1 IRC. (Padula): 6095, "Woodcarver" card ans sked in 1½ months, air, for 40¢ U.S. postage. (Rockwood); full data card and sked in 30 days. V/s Sam Rowley. (Brown): 9745, full data "Woodcarver #4" card in 26 days, air, for 1 IRC. (Beaudoin): 5960/15115, "Mountain" cards in 2 weeks, air, for EE rpts and 40¢ in U.S. stamps. (Sarrazin): 17755, card, letter, info and pennant in 26 days for 2 IRC's. (Brindle).

EGYPT: R. Cairo, 9475, full data card, sked and personal note signed by "Rita" informing me that they aren't allowed to give out the info I had requested about their txmr (power, location, etc.). Received in 188 days for EE rpt. No rp. (Detlefsen); "River Scene" card and postcard in 164 days by surface mail for EE rpt. No rp. (Pearson); full data "River Scene" card and sked in 2 months for mint stamps. (Schulman).

EUROPEAN RSFSR: R. Moscow, 15455, card in 30 days for EE rpt. Logged Radio stanays Rodina and requested txmr QTH. Got Moscow and no location. No rp. (McCarthy): 9745/11805/11900/11950/7310, cards in 5 weeks for LA Svc in SS. Does anyone know the sites for these freqs? (Barto). (Write to Sam or me if you can help with this question, please. ed.). Transmitter site cards..... R. Moscow via Moscow, 7440, "Lenin Stadium" card in 27 days for EE rpt. No rp. (McCarthy): 9685, card in 42 days for EE rpt. No rp. (McCarthy): 7360/7390 (Gt. Britain Svc); 9810 (African Svc), cards in 1 month. (Legge): 7290 full data "Kremlin" card in 71 days, air, for EE rpt. No rp. (Watson): 7440/7360, cards in about 1 month. No rp. (Noonan): 9530/9680, cards in 1 month. (Heimke). Via Tula, 12050, "Kremlin" card in 27 days for EE rpt. No rp. (McCarthy): 17765 (African Svc), card in 1 month. (Legge): 7250, card in 1 month. (Heimke). Via Armavir, 15280/15385 (S. Asian Svc), cards in 1 month. (Legge): 7310/7205, cards in about 30 days. No rp. (Noonan). Via Serpukhov, 7300 (Gt. Britain Svc), card in 30 days. (Legge). Via Kenga, 9500, card in 42 days for EE rpt. No rp. (McCarthy); card in 1 month. No rp. (Heimke).

Radio Station Peace and Progress, 15200, green card w/date, time and meter band in 113 days. No rp. (Cohen).

FINLAND: R. Finland, 15185, "Autumn in Finland" card w/all data in 17 days for EE rpt and used U.S. stamps. (Sarrazin).

GALAPAGOS IS: La Voz de Galapagos, HCVG8, 4810, letter in 2 months, air, for 3 IRC's. V/s Padre Edgar R. Pinto, O.F.M. (Wiles); Christmas card with

station info in 3½ months, air, for NASWA SS rpt, postcard and mint stamps. (McNeil).

GERMANY (E): RBI, 11980, "Alfred Brehm House" card, # 5 in a series, in 10 weeks, sea. (Padula): 11840, full data card, pennant and sked in 107 days. No rp. (Noonan).

GERMANY (W): DW-Julich, 11765, multi-colored full data card in 72 days, surface, for EE rpt on GG/EE DX program. No rp. (Watson).

Sudwestfunk-Rohrdorf, 7265, map/antenna card w/freq only in 43 days for GG rpt and 2 IRC's. (Beaudoin).

RIAS-Munich, 6005, black/white photo card w/o time in 64 days surface, for EE rpt. No rp. Recent data says this is Munich txmr (2200), not Berlin, unfortunately. No txmr site on card. (Mayer).

GHANA: GBC, 4915, full data card in 57 days for EE rpt. No rp. V/s A. Beamch. (Carr); 11850, full data card in 2 months for EE rpt and 1 IRC. (Filka); 9545, full data card and sked in 440 days. No rp. (Noonan). (How's everybody doing with their pen-pal? ed.)

GUATEMALA: La Voz de Nahuuala-TGVN, 3360, full data card in 28 days, air, for 1 IRC. (Rockwood).

R. Chortis, 3380, full data typed letter w/green and red pennant on front in 30 days for 1 IRC. V/s Juan Maria Xhrouet. (Carr).

R. Cultural-TGNA, 3300, "Quetzal" card w/o time, letter and tourist pamphlet in 3 weeks, air, for EE rpt and 1 IRC. (Dubrick).

LR1

Buenos Aires-ARGENTINA



F A G
r D A
o A F
m M F
I
N

Radio EL MUNDO



1070

KCS.
100 KW.

LFU - 15290 kc. 5 kw.
LF - 11755 - 7
LRX1 - 3120 - 10
LRX - 2710 - 7

HAITI: 4VSO, 3345, card and letter in 2 months. (Barto).

HAWAII: WVVH, 5000, folder card w/"Aloha" sticker on it in 48 days. (Carr) 10000, folder card in 14 days. No rp. (Heimke): 15000, "Aloha" card in 11 days. (Sarrazin).

HONDURAS: R. Swan, 6185, SS letter in 68 days for EE rpt and 1 IRC. (McCarthy); blue swan card and letter w/date only in 32 days, air from Miami for EE and SS rpt and 4 IRC's. (Gavaras).

HRVC, 4820, map card w/o time in 15 months for 3 IRC's and EE rpt. V/s Reina Babel Niniez. (Watson); map card in 8 days for EE rpt and 3 IRC's. (Brindle); red/white/blue map card w/date only in 15 days, air, for EE rpt and 2 IRC's. V/s name looks like Aguilar. (Davis).

HUNGARY: R. Eudapest, 6005, "Women in National Costumes" color card in 10 weeks, sea. (Padula): 6000, full data color picture card of native costumes in 38 days, air. No rp. (Wala).

INDONESIA: RRI-Medan, Sumatra, 4765, full data card in 67 days for EE rpt and 1 IRC. (M. Smith).

RPD Tingkat 2 Tasikmalaya, Jawa Barat, 3909, full data Indo verie letter in 3 weeks, air, for Indo rpt. No rp. V/s Uu Iskander. (Cosier).

RRI-Ujung Pandang, 4719, very long EE verie letter w/station info, Indonesian life, etc. QSL card w/o time and Indo pgm sked in 3½ weeks by registered mail for Reeves Indo rpt, 2 IRC's and postcard. V/s Slamet Poedjono, Director, who wished me a Merry Christmas and Happy New Year. (McNeil).

IRAN: Voice of Iran, 7135, long, colored "Shiraz TV Studio" card and sked in 4 weeks, air. (Padula): 9022, full data "Mahabad TV" card in 23 days for EE rpt and 2 IRC's. V/s M. Fracym. (Carr); full data "Radio-TV Studio" card, pennant, sked and 6 mint stamps in 1 month, air. No rp. (Schulman).

IRAQ: R. Baghdad, 9745, full data map card, sked and emblem in 27 days for EE rpt. No rp. (Carr); full data map/bridge card and eagle insignia for EE rpt. (Conover); full data map card, emblem, sked and Christmas card in 5 weeks, surface. No rp. (Schulman); full data map/bridge card in 69 days. No

LIBYA: Peoples' Revolution Broadcasting Corp.-Tripoli, 6185. Finally after 10 years!!! VIC #202. Tried some new methods and it paid off. (Barto).

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



الجمهورية العربية الليبية

الهيئة العامة لاذاعة الثورة الشعبية

« ربنا افتح بيننا وبين قومنا »

« بالحق وانك خير الفاتحين »

سند اذاعة العظم

الرقم الاشاري:

التاريخ

Dated: 21st Dec., 1975

الموافق

Samuel L. Barto
245 Cherry Ave. Apt. J-11
Watertown, Conn.
U.S.A. 06795.

Dear Sir,

We acknowledge with many thanks in receipt of your letter regarding our programmes.

We are grate-ful to note that you use to listen our programmes and like Arabic Music very much. We hope to relay more nice programmes in future.

With kindest regards.

Yours faithfully

Amer Saleh Oun
Amer Saleh Oun
Director of Planning and Training Department
Peoples Revolution Broadcasting Corporation
P. O. Box 333, Tripoli - Libya.

LITHUANIAN SSR: R. Vilnius, 7150, full data "Flower" card, pennant, sked and, of all things, a Christmas card! Received in 5 weeks. No rp. (Schulman): 7355, full data "Lietuvos Radijas" card from Lithuanian Radio Svc in 5 weeks for EE rpt and 1 IRC. (Dubrick).

LUXEMBOURG: R. Luxembourg, 6090, full data antenna/coat-of-arms card in 19 days for EE rpt. No rp. (Carr).

MALAGASY REP: R. Nederland Relay, 11730, full data card showing man fishing from a boat. The fish below him have freq and language on them, colored in with green pencil. Back of card says they don't send pennants anymore. I believe this is their new QSL card. Received in 15 days for EE rpt. No rp. (Carr); full data "Fish" card and sked in 45 days. No rp. (Mitchell).

MALAYSIA: BBC Relay, 15435, card w/"Far East Relay" in 13 days for EE rpt. No rp. (McCarthy).

R. Malaysia, 6025/Voice of Malaysia, 6175, full data folder cards and used stamps in 26 and 27 weeks, sea, for EE rpts. No rp. (Cosier).

MALTA: DW Relay-Cyclops, 11795, card w/txmr site in 6 weeks, air. (Padula). R. Malta, 9755, stenciled letter w/wrong freq and tourist booklet in 25 days. No rp. (Campbell).

Adventist World Radio, 9755, full data, orange "Voice of Hope" card in 3 weeks. No rp. (Campbell); "Globe Photo" card w/all data in 30 days, air, for EE rpt and 1 IRC. (Gavaras).

MARTINIQUE: Fort de France Radio, 3315, card in 2½ weeks for FF rpt. (Barto).

MONACO: TWR, 7105, full data card w/time for the entire broadcast instead of reported time, sked, religious info and pennant in 12 days, air, for 1 IRC. (Heimke): 9525, card, pennant and sked in 3 weeks. (Barto).

MONGOLIA: R. Ulan Bator, 5054, full data card in 85 days for EE rpt and 1

IRC. (M. Smith).

MOROCCO: RTVM, 6190, no-data folder card in 3 months for 2 IRC's. (Rockwood); folder card in 2 weeks, air, for SS rpt and 2 IRC's. (Wiles).

VOA-Tangier, 11945, Capitol card in 5 days. (Wiles).

MOZAMBIQUE: R. Clube de Mozambique, 3265, full data card in 367 days for EE rpt and 4 IRC's. Card shows a color picture of the outside of studio. On the card, "Clube de" is crossed out, leaving only R. Mozambique, which is also stamped on the card. V/s A. Sequeira. (Hardester).

NEPAL: R. Nepal, 5000, full data white card in 750 days! for EE rpt, 3 IRC's and mint stamps. V/s K.B. Khatri. I'm glad they didn't rush this! Hi! (Gavaras).

NETHERLANDS: R. Nederland, 15375/11730, cards in 1 month. (Barto).

NETHERLANDS ANTILLES: R. Nederland Relay, 9715, "Madagascar Antenna" card w/full data for EE rpt on a postcard. (Sarrazin); full data card and sked in 16 days, air. No rp. (Brown).

TWR, 11925, full data card, sked and note on Sri Lanka developments in 16 days, air, for 1 IRC. V/s Donald Bean, Chief eng. (Brown).

NEW ZEALAND: RNZ, 9520, full data "Boiling Pool" card, sked, program outline and note stating that in the past 6 months they have received about 300 rpts from the U.S. By air in 39 days for 1 IRC. (Brown): 11780, full data "Misty Mountain" card, "Mailbox" notice and 2 sked sheets in 36 days for EE rpt and 1 IRC. (Grant).

NIGERIA: NBC-Enugu, 6025, letter QSL in 5 weeks. (Barto).

PAKISTAN: R. Pakistan, 17665, letter from Controller, Planning and Research in 4 weeks, air. (Padula): 11885, no-data "Mausoleum/Beach Scene" card and sked in 17 days, air, for EE rpt and 2 IRC's. Rptd to Karachi address. (Hardester): 15205-Islamabad, verie in 3 months. (Barto).

PERU: R. Atlantida, 4791, letter QSL in 6 weeks for SS rpt and mint stamps. V/s Julio Reategui Burga, Director-Gerente. (Barto).

PHILIPPINES: VOA-Poro Point txmr, 5995, AFRS QSL in 4 days. No rp. No txmr site, power, or verie signer. (Taylor).

POLAND: Polish Radio, 11815, card, sked and contest entry form in 26 days for EE rpt and 1 IRC. (McCarthy): 9540, full data card and sked in 43 days for 2 IRC's. (Noonan). (Only two rpts? You're not trying! ed.)

PORTUGAL: R. Liberdade via Sines (no freq), PP verie letter apologizing for no QSL cards. Also sent station info and postcard. Received in 8 weeks, air, for PP rpt. V/s Ava Maria. (Cosier).

RADIO CLUBE DE MOÇAMBIQUE "The Station for Happy Listening" Caixa Postal 594 Lourenço Marques		VIA AEREA 
We have pleasure to confirm your report on 16th January 1966 on frequency 13.295 Kc/s xxxx Call Sign ----- Transmitter power 100 Kw Remarks: RADIO CLUBE Thank you for your report		
		Mr. VICTOR C. JAAR P.O. Box 393 Port-au-Prince HAITI

RHODESIA: RBC, 3396, full data "Gazelle" card in 1 month for 1 IRC. V/s E. M. McKensie. (Overcamp).

ROMANIA: R. Bucharest, 9510, full data abstract photo card, 1976 pocket calendar w/color photo on the back, "Happy New Year" card w/color photos, signed form letter, sked and info on R. Bucharest Listeners' Club. All in 86 days, air. No rp. (Detlefsen): 5990/11940, multicolor design card and blue "Romanian Athenaeum" card, both full data, in 96 and 73 days, air. No rp. (Wala).

RYUKYU IS: VOA-Okinawa, 7165, card w/o date in 12 days. V/s Monica Vall. No rp. (Taylor); card in 6 days for EE rpt. No rp. (McCarthy); "Kennedy Center" card w/o date in 1 week. No rp. V/s Monica Vall. (Overcamp).

SEYCHELLES: FEBA, 11715, card, sked and religious material in 3 weeks, air, for 1 IRC. (Padula).

SOMALI REP: R. Mogadishu, 9585, full data verie letter in 65 days, air, for EE rpt and mint stamps. (Gavaras).

SOUTH AFRICA: R. RSA, 3995, colored card w/view of beach and country near Capetown in 4 weeks, air. (Padula): 17780, "Blouberg" card w/all data and map in 14 days, air, for EE rpt and used U.S. stamps. (Sarrazin): 9585, full data "Sable Antelope" card and sked in 18 days for EE rpt. No rp. (Schipelliti): 11900, "DX Corner" verie letter aerogramme w/very complete details and note commemorating reception of the first Saturday "DX Corner". Received in 52 days, air. No rp. V/s Gerry Wood. (Wala); "Blouberg" card w/all data, sked and program booklet in 14 days, air. No rp. (Brown).

Springbok Radio, 4810, SABC "Industrial Montage" card in 21 days for EE rpt. No rp. (Watson); QSL card via R. RSA in 11 days, letter and pennant in 3 1/2 months for 2 IRC's. (Brindle); "Industrial Montage" card w/full data in 45 days, air. No rp. (Mitchell): 3980, "Montage" card w/all data in 26 days, air, for EE rpt and used U.S. stamps. (Sarrazin): 3250, full data "Industry" card in 26 days, 2nd class mail, for EE rpt. No rp. (Conover).

SPAIN: RNE, 11940, colored "Antenna Towers" card in 8 weeks, sea. (Padula): 6065, txmr site card w/no time, sked and pennant in 7 weeks, surface. No rp. (Schulman); SS antenna card w/no time in 2 weeks. No rp. (Cohen).

SWAZILAND: SMR, 4980, letter verie in 20 days, air, for 1 IRC and postcard on my third try. V/s Gillian Stubbs. (McNeil).

TWR, 9590, full data "Natives & Antenna" card in 20 days, air, for EE rpt. No rp. (Watson); full data picture folder in 17 days. No rp. (Ware); folder card in 3 weeks for 1 IRC. V/s Doris Fisher. (Zabransky); full data folder card in 1 month. (Overcamp).

SWEDEN: R. Sweden, 9635, map card in 5 weeks, air. (Padula): 11705, map card w/full data, sked and pennant in 33 days for used stamps. (Sarrazin); map card w/all data and sked in 41 days. (Alder): 9630, full data antenna site card and new sked in 56 days for EE rpt. No rp. (Schipelliti): 9605, full data map card and pennant in 6 weeks, air, for EE rpt and 1 IRC. (Filka)

SWITZERLAND: SBC, 15140, full data "Church" card in 51 days for 1 IRC. (Beaudoin); full data "Fountain" card in 70 days. Sked came first. (Sarrazin) 6135, full data black/white "Market" card in 50 days for EE rpt. No rp. (Conover): 6045, full data "Church" card in 2 months, air, for EE rpt and 1 IRC. (Filka).

TAIWAN: BCC (Voice of Free China), 11825, picture card and sked in 23 days, air, for 2 IRC's. (Wiles): 15125, full data "Lovebird" card and sked in 57 days, air. No rp. (Mitchell).

TANZANIA: R. Tanzania, 5050, "Drum" card w/all data in 1 year for EE rpt and 1 IRC. (M. Smith).

TURKS AND CAICOS: VS18, 4788, letter w/no data except station info in 3 months, air, for 2 IRC's. (Wiles).

UGANDA: UBC, 9730, aerogramme in 3 weeks for 2 IRC's. V/s M.B.S. Mangen. (Zabransky).

UKRAINIAN SSR: R. Kiev, 9610, two cards in 35 days for EE rpt. No rp. (McCarthy): 9780, full data card in 34 days, air. (Sarrazin): 7200, full data card and sked in 4 weeks for EE rpt and 1 IRC. (Dubrick): 12050, card in 5 weeks. (Barto).

R. Moscow via Lvov, 7150, card in 42 days for EE rpt. No rp. (McCarthy); card in 1 month. No rp. (Heimke): 11755, card in 5 weeks, air. No rp. (Cosier). Via Vinnitsa, 5940/6175, "Antenna" and "Moscow U" cards in 27 days for EE rpt. No rp. (McCarthy): 5940 (NA Svc) and 17885 (African Svc), card in 30 days. (Legge). Via Ivano-Frankovsk, 7115, full data card in 25 days. (Noonan).

UNITED STATES: VOA-Greenville, 6080, Capitol card w/o date, EE txm skeds and letter in 5 days. No rp. (Schipelliti): 17710, card w/date only in 35 days, surface, for EE rpt. No rp. (Watson).

VOA-Delano, 9565, Capitol card w/o date in 6 days for EE rpt. No rp. V/s Debbie Showalter. (Ihnat): 15220, Capitol card w/wrong freq and site and no date in 6 days. They ignore postcard rpts. (Sarrazin).

Voice of the OAS, 11740, Capitol card w/date only in 23 days. No rp. No mention of site or of OAS on the card. (Watson); VOA card in 5 days. (Sarrazin).

AFRTS: 6030, Dept. of Defense card in 27 days. (Campbell): 11805, card in 12 days. (Sarrazin).

U.N. Radio, 11935, blue/white card w/no freq in 5 weeks. No rp. (Schulman).

WVW, 5000, "Chief Niwot" card w/no name and booklet in 28 days. (Sarrazin): 15000, full data folder in 20 days. No rp. (Watson).

KGEI, 5980, card w/scenes of San Francisco in 54 days. (Sarrazin); full data card, sked and religious info in 9 weeks for 16¢ stamp, not used. (Heimke).

WYFR, 17875, mike card w/all data and sked in 17 days. (Sarrazin): 9525, full data mike card and sked in 14 days. No rp. (Ware); mike card in 20 days, sked and info 1 day later for 10¢ stamp. (Brindle): 11805/15130/17845, cards in 3 weeks. (Barto).

WINB-Red Lion, PA, 11775, full data black/white card in 2

weeks for EE rpt and 20¢ in U.S. stamps. (Dubrick).

URUGUAY: R. El Espectador, 11835, full data SS letter, Uruguay fact sheet in SS, station decal and mint stamps in 17 days for 1 IRC. (Rockwood).

VATICAN: Vatican Radio, 5995, full data card and book on the history of the station in 26 days, air. No rp. (Brown).

VENEZUELA: R. Carora, 4910, SS letter in 44 days for SS rpt. My IRC was returned. (M. Smith).

R. Los Andes, 6010, Christmas card w/message in 55 days for SS rpt and 1 IRC. (M. Smith).

R. Universo, 4880, network map card w/o time in 25 days, air, for SS rpt and mint stamps. (Hardester).

Observatorio Cagigal, 6100, card in 5 months for SS rpt and mint stamps. (Ball).

R. Barquisimeto, 4990, usual network card in 20 days. (Lausevich); card in 5 weeks for SS rpt. (Barto). (Correction from Dec. ed)

"ODDS & ENDS"

BICENTENNIAL QSL: Here's an upper side band QSL which normally doesn't fit in "QSL Report" but I'm putting it in for the Bicentennial and also because of the frequency with which it is offered. It comes from William C. Alder, San Antonio, TX. "U.S. Naval Weapons Center, China Lake, CA, 14302 (USB), blue/white card w/Navy Bicentennial Seal and all info w/greetings from the operator in 22 days. QSL cards were offered for only about 5 hours for Navy Bicentennial Celebration. I know this is not a NASWA-type QSL but I just happened to stumble over it and I am proud of it. A lot of fellows will never have a chance to get one." Well, we may have missed it this time but the Tricentennial will be around before we know it. Make a notation on your log sheet for October 13, 2075. That way you won't forget.

PROGRAM DETAILS: (With apologies to Glenn Hauser.) Philip M. Wala, who got the QSL from North Korea, writes, "The program schedule from R. Pyongyang lists such popular program titles as "For the Independent, Peaceful Reunification of the Fatherland" and "Third World Countries Forge Ahead Dynamically Along the Path of Anti-Imperialism and Independence". Who says there aren't any good programs on shortwave?" I have to agree with Philip. We just have to watch for the good stuff. My all-time favorite is one I heard on R. Tirana called "Pacification is the Manifestation of the Bourgeois Ideology". I think it was a comedy show but I'm not certain. They had no laugh track.

PENNANT NEWS: Philip Wala sent the following also. "Radio Prague is offering a special souvenir pennant commemorating the 40th Anniversary of R. Prague's foreign language broadcasts to all who enter their International Listeners' Competition. Complete details are given in all of their English transmissions.

NOTE: Dan McCarthy writes that he has received a letter from Mrs. Eugenia Stepanova of Radio Moscow stating that R.S. Atlantika and R.S. Alma Ata do not QSL.

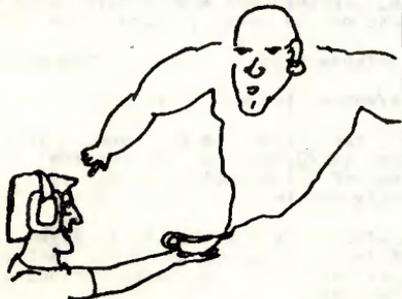
Next month, because of the change in the reporting system for the Log Reports, contributors to this section will again be listed here separately. I can do this by listing just the name and state in the body of the report (Oliver-PA) or with a full list at the end. Which form do you prefer? Send in suggestions with your reports, please.

The cartoon pictured here is from Tony Capobianco, Glenwood Landing, N.Y. Thanks Tony. Send in some more. We take everything except CB rig QSLs.

Not even if they're signed by "Rubber Duck".

Has anyone ever QSLed or even heard a program in Esperanto? I'd like to know. R. Peking and Polish Radio list programs in this language but so far I've had no luck.

Thanks for the material. See you next month. 73's and smiles.



"First a 'QSL' from Radio Lebanon..."

Bill

NASWA AWARDS INFORMATION---SPECIALIZED AWARDS

A number of people have inquired about the NASWA specialized awards and their requirements, particularly since some of the countries are not normally divided into states, provinces, or territories on most atlases. I would like to take this time to attempt to explain further about the specialized awards, and provide some guidelines about the division of the various countries and how this affects the awards program.

The specialized awards were devised to provide the DXing community an opportunity to earn awards for other than receiving and verifying specific areas of the world. Also, it highlights specific countries or areas and provides an incentive for the DXer to concentrate on a particular country or area and thereby learn a significant amount about the particular country's geography, politics, economics, and population. The awards are devised in such a way as to not discriminate as to the length of time a person has been listening--it does discriminate as to his DXing ability, however. There are some specialized awards that most DXers may find relatively easy--The Ecclesiastic DXer award is one of these, along with the Senior Nigerian DXer award. However, the Subcontinental DXer awards, the Indonesian awards, the Soviet Sphere DXer award, and the individual country awards for Brazil, Ecuador, and Venezuela are probably the most difficult to obtain. Many will find the Master Soviet Sphere DXer award probably the most frustrating--for obvious reasons.

For those DXers who don't have atlases that provide a good breakdown of country by province, state, or province, below you will find a breakout of some of these countries' by this method, along with some of the major cities in each province. I might add that the Hammond World Atlas, International Edition, does a very creditable job for almost all countries except Indonesia.

INDONESIA

ProvinceCity

Daerah Istimewa Aceh	Banda Aceh
Propinsi Sumatera Utara	Medan, Sibolga, Pematang Siantar
Propinsi Sumatera Barat	Padang, Bukittinggi
Propinsi Riau	Pekanbaru
Propinsi Jambi	Jambi
Propinsi Sumatera Selatan	Palembang
Propinsi Bengkulu	Bengkulu
Propinsi Lampung	Tanjungkarang-Telukbetung
Propinsi Jawa Barat	Cirebon, Bandung, Serang, Bogor
Propinsi Jawa Tengah	Surakarta, Semarang
Propinsi Jawa Timur	Jember, Surabaya, Sumenep, Madiun, Blitar, Jombang
Propinsi Bali	Singaraja, Denpasar
Daerah Istimewa Yogyakarta	Yogyakarta
Daerah Khusus Jakarta Raya	Jakarta
Propinsi Kalimantan Selatan	Banjarmasin
Propinsi Kalimantan Timur	Samarinda
Propinsi Kalimantan Barat	Pontianak
Propinsi Kalimantan Tengah	Palangka Raya
Propinsi Sulawesi Selatan	Ujung Pandang, Jatansoppeng
Propinsi Sulawesi Tenggara	Kendari
Propinsi Sulawesi Utara	Gorontalo, Manado
Propinsi Sulawesi Tengah	Donggala, Banggai
Propinsi Maluku	Ambon, Ternate
Propinsi Nusa Tenggara Timur	Kupang
Propinsi Nusa Tenggara Barat	Mataram, Sumbawa
Propinsi Irian Jaya	Manokwari, Fak Fak, Sorong, Serui, Merauke, Jayapura

NIGERIA

RegionCity

Eastern(Biafra)	Enugu, Calibar
Northern	Kaduna, Maiduguri, Sokoto
Mid-Western	Benin City
Western	Ibadan
Lagos	Lagos

MAD GUYS MEETING: Metropolitan Area DXers (MAD) will be meeting at the apartment of Malcolm Kaufman, 32-14 73rd St., Jackson Heights, NY (Borough of Queens) on Sunday, February 29 starting about noon. All interested DXers welcome. Call Chris Hansen 212/595-1473 for more information.

INDIA

States & Territories

Andhra Pradesh
Assam
Nagaland
W. Bengal
Bihar
Uttar Pradesh
Madhya Pradesh
Tamil Nadu
Maharashtra (Bombay)
Delhi
Himachal Pradesh
Jammu & Kashmir

City

Hyderabad
Gauhati
Kohima
Kurseong, Calcutta
Ranchi
Aligarh, Lucknow
Bhopal
Madras
Bombay
Delhi
Simla
Srinagar, Jammu

VENEZUELA

States & Territories

Zulia
Falcon
Lara
Tachira
Apure
Barinas
Portuguesa
Yaracuy
Carabobo
Cojedes
Guarico
Distrito Federalo
Miranda
Aragua
Anzoategui
Sucre
Monagas
Delta Amacuro
Bolívar
Amazonas

City

Maracaibo
Coro
Barquisimeto
San Cristobal
San Fernando
Barinas
Guahare, Araure
San Felipe
Valencia
San Carlos
Las Mercedes
Caracas
Los Teques
Maracay
Puerto La Cruz, Barcelona
Cumana
Maturin
Tucupita
Ciudad Bolívar
Puerto Ayacucho

ECUADOR

Provinces

Azuay
Bolívar
Canar
Carchi
Cotopaxi
Chimborazo
El Oro
Esmeraldas
Guayas
Imbabura
Loja
Los Rios
Manabi
Morona Santiago
Napo
Pastaza
Pichincha
Tungurahua
Zamora Chinchipe
Archipiélago de Colon (Galapagos)

City

Cuenca
Guaranda
Azogues
Tulcan
Latacunga
Riobamba
Machala
Esmeraldas
Guayaquil
Ibarra
Loja
Babahoy
Portoviejo
Nacas
Tena
Puyo
Quito
Ambato
Zamora
Puerto Baquerizo (Isla San Cristobal)

HELPING HAND: For sale. Have new R-390 so have no further need for my Hallcrafters SX-99, excellent condition, with manual, BC-221, case, power supply, calibration book, headphones, spare tubes. \$45.00 each or both \$80.00. Contact Jim Davis, 110 Wisconsin St., Travis AFB, CA 94535. Call 707/437-3963 after 2300 GMT..prefer local pick-up (N. Calif. area).

BR...IL

States & TerritoriesCity

Acre	Rio Branco
Alagoas	Maceio
Amazonas	Manaus
Bahia	Salvador
Ceara	Fortaleza
Espirito Santo	Vitoria
Goias	Goiania
Guanabara	Rio de Janeiro
Maranhao	Sao Luis
Mato Grosso	Cuiaba
Minas Gerais	Belo Horizonte
Para	Belem
Parana	Curitiba
Paraiba	Joso Pessoa
Pernambuco	Recife
Piaui	Teresina
Rio de Janeiro	Niteroi
Rio Grande do Norte	Natal
Rio Grande do Sul	Porto Alegre
Santa Catarina	Florianopolis
Sergipe	Aracaju
Distrito Federal	Brasilia
Amapa	Macapa
Roraima	Boa Vista
Rondonia	Porto Velho

SOVIET UNION (See NASWA Country List)

It is hoped that the above lists will aid the DXers in identifying the various states, provinces, and territories in their quest for various awards and also just in DX'ing. Knowing the details about the area in which you heard a station has been known to aid a DXer in his quest for QSLs from the station.

I hope in the near future to announce the details for at least 9 different new awards, which will include awards for reception and verification of stations in the Arab world, the British Commonwealth, Tropical Band (countries between the Tropic of Cancer and the Tropic of Capricorn, and 3 additional DXPert awards. The above awards are currently in the planning stages and will be announced when the certificates are ready for issuing. Hopefully, in this manner, there will not be the extremely long waits for awards that there have been in the past. If you have any comments about the awards program, please let me know. This is your club, and all comments are welcomed. Some of the awards currently in the planning stage grew from suggestions by DXers as to how to improve the awards program.

73,

Alan Henderson
 Alan Henderson
 Awards Chairman

INTERNATIONAL POSTAGE RATE AND FEES: Anyone involved in mailing letters and articles overseas will find a new pamphlet issued by the U.S. Postal Service to be most helpful. Available at your Post Office for free. Ask for Publication #51 issued January 1976.

HELPING HAND: Wanted. R-392/URR, R390/URR, R390A or other good quality receiver. Contact Graeme Brown, 359 Barmond Avenue, Richmond, B. C., Canada.

HELPING HAND: For Sale. Allied SX-190 in good working condition, with matching speaker, crystals for 120, 60, 16 meter bands, and shop repair manual. Asking \$200.00 plus shipping via certified check. Do not send money, write first. Contact Bill Coleman, 114 Circle Drive, Rocky Mount, NC 27801 or call 919/443-3116 0000-0300 EST daily.

<p>14900 kc. KAY -C- 20.00 meters MANTLA, P. I. Phone Puerto Rico</p> <p>14950 kc. HJB -C- 20.00 meters BEGOTA, BOL. Cable WBC, daytime</p> <p>14500 kc. WMN -C- 20.00 meters LAWRENCEVILLE, N. J. Phone England morning and afternoon</p> <p>14535 kc. HBJ -B- 20.00 meters RADIO NATIONS, GENEVA, SWITZERLAND Broadcasts irregularly</p> <p>14500 kc. LSM2 -C- 20.00 meters HURLINGHAM, ARGENTINA Cable G. S., evening</p> <p>14485 kc. TIR -C- 20.00 meters CARTAGO, COSTA RICA Phone Cas. Amer. & U.S.A. Daytime</p> <p>14485 kc. HPF -C- 20.00 meters PANAMA CITY, PAN. Phone WBC daytime</p> <p>14485 kc. TGF -C- 20.00 meters GUATEMALA CITY, GUAT. Phone WBC daytime</p> <p>14485 kc. YNA -C- 20.00 meters BARAGUA, NICARAGUA Phone WBC daytime</p> <p>14470 kc. WMF -C- 20.00 meters LAWRENCEVILLE, N. J. Phone England morning and afternoon</p> <p>14440 kc. GBW -C- 20.00 meters SUD. ENGLAND Cable U.S.A., evening</p> <p>13990 kc. GBA -C- 20.00 meters BUGBY, ENGLAND Cable Boom Airln, late afternoon</p> <p>13610 kc. JYK -C- 20.00 meters KINIKAWA, CHIBARA, JAPAN Phone Gattaiwa III 11 p. m.</p> <p>13585 kc. GBB -C- 20.00 meters BUGBY, ENGLAND Cable Earl & Connel, afternoon</p> <p>13415 kc. GCJ -C- 20.00 meters BUGBY, ENGLAND Cable Home & China, early morning</p> <p>13390 kc. WMA -C- 20.00 meters LAWRENCEVILLE, N. J. Phone England morning and afternoon</p> <p>12840 kc. WOY -C- 20.00 meters LAWRENCEVILLE, N. J.</p> <p>12840 kc. WOO -C- 20.00 meters OCEAN STATE, N. J.</p> <p>12825 kc. CNR -C- 20.00 meters DIRECTION GENERAL Teleregio 2 and 3 Bogota, Bogota, Bogota Broadcasts, Sunday, 7:30-9 a. m.</p> <p>12800 kc. IAC -C- 20.00 meters MIA, ITALY Cable Padua ship, Saturday</p>	<p>12780 kc. GBC -C- 20.00 meters BUGBY, ENGLAND Cable ship</p> <p>12290 kc. GBU -C- 20.41 meters BUGBY, ENGLAND Cable N.Y.C., afternoon</p> <p>12150 kc. GBS -C- 20.88 meters BUGBY, ENGLAND Cable N.Y.C., afternoon</p> <p>12000 kc. RNE -C- 20.00 meters MOSCOW, U. S. S. R. Sat. 10-11 p. m. Sun. 8 p. m. 10-11 a. m.</p> <p>11991 kc. FZ52 -C- 20.00 meters SAIGON, INDO-CHINA Phone Paris, morning</p> <p>11950 kc. KKKQ -X- 20.00 meters SOLINAS, CALIF. Tele. irregularly, evening</p> <p>11940 kc. FTA -C- 20.00 meters ST. LOUIS, FRANCE Northham, Amer. night</p> <p>11885 kc. ★FYA -C- 20.24 meters "RADIO COLONIAL" PARIS, FRANCE 1118 a. m.-2:15 p. m. 2 a. m.</p> <p>11870 kc. ★W8XK -C- 20.00 meters WESTINGHOUSE ELECTRIC CORP. PITTSBURGH, PA. Sat. 10-11 p. m. Sun. 10-11 a. m. Relay NKKA</p> <p>11860 kc. ★GSE -C- 20.00 meters BRITISH BROADCAST CORP., ENGLAND "Wave to Listen 1st" Column</p> <p>11858 kc. DJP -X- 20.00 meters REICHSRUNDFUNK- GESELLSCHAFT, BERLIN, GERMANY Tele. irregularly</p> <p>11830 kc. ★W2XE -C- 20.00 meters ATLANTIC BROADCASTING CORP. 40 MADISON AVE., N. Y. C. 2-4 p. m. Relay WARC</p> <p>11811 kc. 12R0 -B- 20.00 meters ROME, ITALY</p> <p>11795 kc. DJO -C- 20.00 meters REICHSRUNDFUNK- GESELLSCHAFT, BERLIN, GERMANY Tele. irregularly</p> <p>11790 kc. W1XAL -C- 20.00 meters BOSTON, MASS. irregularly in the evening</p> <p>11760 kc. DJD -C- 20.00 meters BROADCASTING HOUSE, MELBURN 12-1-30 a. m.</p> <p>11750 kc. ★GSD -C- 20.00 meters BRITISH BROADCAST CORP., ENGLAND "Wave to Listen 1st" Column</p> <p>11730 kc. ★PHI -C- 20.00 meters MILLEN, HOLLAND Bldg. 7, Rotterdam 8:30-9:30 p. m. 10-12 a. m.</p> <p>11720 kc. ★CJRX -C- 20.00 meters WINDSOR, CANADA Daly, 8 p. m.-11:30 p. m. Sunday, 8:15-9 p. m.</p>	<p>11720 kc. FYA -B- 20.00 meters "RADIO COLONIAL" PARIS, FRANCE 8-12 p. m. M. & M. 12 midnight</p> <p>11680 kc. KIO -X- 20.00 meters KAHUKU, HAWAII Tote in the evening</p> <p>10770 kc. GBP -C- 20.00 meters BUGBY, ENGLAND Cable Sydney, Austral. early a. m.</p> <p>10740 kc. JVM -C- 20.00 meters NAZAKI, JAPAN Phone California evening</p> <p>10675 kc. WNB -C- 20.00 meters LAWRENCEVILLE, N. J. Cable Richmond, daytime</p> <p>10660 kc. JVN -C- 20.00 meters NAZAKI, JAPAN Tote 2-3 a. m.</p> <p>10550 kc. WOK -C- 20.00 meters LAWRENCEVILLE, N. J. Ariz. Braz., Prev. night</p> <p>10520 kc. VLK -C- 20.00 meters BYRON, AUSTRALIA Cable Rocky, early a. m.</p> <p>10430 kc. YBG -C- 20.00 meters BEKON, SUMATRA 8:30-10:30 p. m. 7:30-9 a. m.</p> <p>10420 kc. XGW -C- 20.00 meters SHANGHAI, CHINA Cable Hong Kong, 6-9 a. m. and California late evening</p> <p>10410 kc. PDK -C- 20.00 meters MONT. W. HOLLAND Cable Java 7:30-9:30 a. m.</p> <p>10410 kc. KES -C- 20.00 meters SOLINAS, CALIF. Tele. evening</p> <p>10380 kc. ★LSX -C- 20.00 meters ROSE GRANDE, ARGENTINA Tele. irregularly 8 p. m.-12 mid- night. Used to Oper. Buenos</p> <p>10330 kc. ★ORK -C- 20.00 meters BRUXELLES, BELGIUM Broadcasts 2:40-4:15 p. m.</p> <p>10300 kc. LSL2 -C- 20.00 meters HURLINGHAM, ARGENTINA Cable Europe, evening</p> <p>10290 kc. DIQ -X- 20.00 meters KONIGSWATERHAUSEN, GERMANY Broadcasts irregularly</p> <p>10260 kc. PMN -C- 20.00 meters BANDONG, JAVA Cable Australia 8 a. m.</p> <p>10250 kc. LSK3 -C- 20.00 meters HURLINGHAM, ARGENTINA Cable Europe and U. S. after noon and evening</p> <p>10220 kc. PSH -C- 20.00 meters RIO DE JANEIRO, BRAZIL</p> <p>10050 kc. ZFB -C- 20.00 meters HAMBURG, GERMANY Phone N. Y. C. daytime</p>	<p>9960 kc. GCU -C- 20.00 meters SUD. ENGLAND Cable N.Y.C., evening</p> <p>8890 kc. LSN -C- 20.00 meters HURLINGHAM, ARGENTINA Cable New York, evening</p> <p>9870 kc. WON -C- 20.00 meters LAWRENCEVILLE, N. J. Phone England, evening</p> <p>9860 kc. ★EAQ -B- 20.00 meters MELBURN, AUSTRALIA Daily except Saturday 8:15-7 p. m. Saturday 8:15-7 p. m. 11:30-7 p. m. Sun. 7:15-10:30 p. m.</p> <p>9840 kc. JYS -X- 20.00 meters KINIKAWA, CHIBARA, JAPAN Broadcasts 7-7 a. m.</p> <p>9800 kc. LSE -C- 20.00 meters ROSE GRANDE, ARGENTINA Tele. irregularly</p> <p>9790 kc. GCW -C- 20.00 meters BUGBY, ENGLAND Cable N.Y.C., evening</p> <p>9780 kc. 12R0 -C- 20.00 meters ROME, ITALY Monday, 7:30-9:30 p. m. and irregularly at other hours. "Wave to Listen 1st" Column</p> <p>9760 kc. VLJ-VLZ2 -C- 20.00 meters AMALGAMATED WIRELESS CORP. OF AUSTRALIA SYDNEY, AUSTRALIA Phone Java and S. Zealand early a. m.</p> <p>9750 kc. WOF -C- 20.00 meters LAWRENCEVILLE, N. J. Phone England, evening</p> <p>9710 kc. GCA -C- 20.00 meters BUGBY, ENGLAND Cable Ariz. & Brazil, evening</p> <p>9600 kc. ★CT1AA -C- 20.00 meters LISBOA, PORTUGAL Tote, Sat. Friday, 4:00-7 a. m.</p> <p>9585 kc. ★HBL -B- 20.00 meters LEAGUE OF NATIONS GENEVA, SWITZERLAND Saturday, 8:30-10 a. m.</p> <p>9580 kc. ★VK2RME -C- 20.00 meters AMALGAMATED WIRELESS CORP. OF AUSTRALIA SYDNEY, AUSTRALIA "Wave to Listen 1st" Column</p> <p>9590 kc. PCJ -C- 20.00 meters R. A. PULLINER RADIO ENGINEERING, HOLLAND Broadcasts irregularly</p> <p>9590 kc. W3XAU -C- 20.00 meters NEWTOWN SQUARE, PA. Relay PAU 10 noon 7:30 p. m. X</p> <p>9580 kc. GSC -C- 20.00 meters BRITISH BROADCAST CORP., ENGLAND "Wave to Listen 1st" Column</p> <p>9580 kc. ★VK3LN -C- 20.00 meters MELBURN, AUSTRALIA 4-8 a. m. except Sat.</p>	<p>9570 kc. HERN -C- 20.00 meters SALISBURY, SALISBURY, MANTLA, P. I. Broadcasts irregularly 7:30 1-3 a. m.</p> <p>9570 kc. ★W1XAZ -C- 20.00 meters WESTINGHOUSE ELECTRIC CORP., PITTSBURGH, PA. SPRINGFIELD, MASS. Relay WBC, 7 a. m.-1 a. m.</p> <p>9565 kc. VUB -C- 20.00 meters BOMBAY, INDIA 11 a. m.-12:30 a. m. Wed., Sat.</p> <p>9560 kc. DJA -B- 20.00 meters BROADCASTING HOUSE, MELBURN 8-1:30 a. m. 5:15-8:15 p. m. 8:45-1:30 a. m. Saturday</p> <p>9540 kc. DJN -X- 20.00 meters REICHSRUNDFUNK- GESELLSCHAFT, BERLIN, GERMANY Tele. irregularly</p> <p>9540 kc. LKJ1 -C- 20.00 meters OSLO, NORWAY Relay 2:45 a. m. 4-11 a. m.</p> <p>9530 kc. ★W2XAF -B- 20.00 meters GENERAL ELECTRIC CO., SCHENECTADY, N. Y. Relay WBC 7:30-11 p. m. Saturday, 8:30 a. m.-12:30 a. m.</p> <p>9510 kc. ★GSB -C- 20.00 meters BRITISH BROADCAST CORP., ENGLAND "Wave to Listen 1st" Column</p> <p>9510 kc. ★VK3ME -B- 20.00 meters AMALGAMATED WIRELESS CORP. OF AUSTRALIA SYDNEY, AUSTRALIA Wed. 8:30-11 p. m. Sat. 8:30-11 p. m.</p> <p>9505 kc. ★PRF5 -C- 20.00 meters RIO DE JANEIRO, BRAZIL Daily except Sun. 5:30-8:15 p. m.</p> <p>9428 kc. COH -B- 20.00 meters S. P. DE NEGRAS, HAVANA, CUBA Relay 8:30-10:30 a. m.</p> <p>9415 kc. PLV -C- 20.00 meters BANDONG, JAVA Phone Holland, 7:30-9 a. m.</p> <p>9330 kc. CJA2 -C- 20.00 meters DRUMMONDVILLE, CANADA Phone England irregularly</p> <p>9280 kc. GCB -C- 20.00 meters BUGBY, ENGLAND Cable Cas. & Egypt, evening</p> <p>9170 kc. WNA -C- 20.00 meters LAWRENCEVILLE, N. J. Phone England, evening</p> <p>9020 kc. GCS -C- 20.00 meters LAWRENCEVILLE, N. J. Cable N.Y.C., evening</p> <p>8775 kc. PHI -C- 20.00 meters WAKARUSE, GERMANY Phone Jan. 8:00-9 a. m.</p> <p>8760 kc. GCQ -C- 20.00 meters BUGBY, ENGLAND Cable S. Africa, afternoon</p> <p>8730 kc. GC1 -C- 20.00 meters MELBURN, AUSTRALIA Cable 10:15, 8 a. m.</p>
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(Time given in Eastern Standard Time)

Television Stations

2900-3100 kc.
WXDR—Long Island City, N.Y.
WXAN—Jackson, Mich.
WXKA—Iowa City, Ia.
WXKA—Manhattan, Kansas.
WXAO—Chicago, Ill.
WXMH—Bakersfield, Calif.
2750-2850 kc.
WXAK—Portland
WXAP—Chicago, Ill.

WXEB—Bullmore, N.Y.
WXLS—Los Angeles, Calif.
WXAL—Kansas City, Mo.
WXG—W. Lafayette, Ind.
WXAB—New York, N.Y.
42000-56000, 60000-96000 kc.
WXAK—New York, N.Y.
WXAO—Los Angeles, Calif.
WXKD—Milwaukee, Wis.
WXBT—Portland
WXPF—New York, N.Y.

WXK—Philadelphia, Pa.
WXAD—Camden, N. J.
WXIX—Portland & Mobile (Vicinity of Camden)
WXAN—Long Island City, N.Y.
WXAN—Jackson, Mich.
WXE—Chicago, Ill.
WXAT—Portland
WXID—New York, N.Y.
WXAG—Portland
WXIG—Boston, Mass.

Police Radio Alarm Stations

CGZ Vancouver, B.C. 2482 kc.
CJW St. Johns, N.B. 2416 kc.
CIZ Verdun, Que. 2462 kc.
KGHG Las Vegas, Nev. 2474 kc.
GHK Palo Alto, Cal. 1674 kc.
KGHM Reno, Nev. 2474 kc.
KGHO Des Moines, Iowa 1682 kc.
KGHX Santa Ana, Cal. 2430 kc.
KGHY Whittier, Cal. 1712 kc.
KGJZ Little Rock, Ark. 2406 kc.
KGLX Pasadena, Cal. 1712 kc.
KGLX Albuquerque, N.M. 2411 kc.
KGOZ Cedar Rapids, Iowa 2466 kc.
KGPA Seattle, Wash. 2414 kc.
KGPC St. Louis, Mo. 1708 kc.
KGPD San Francisco, Cal. 1674 kc.
KGPE Kansas City, Mo. 2422 kc.
KGPF Yuljeo, Ind. 2427 kc.
KGPH Oklahoma City, Okla. 2450 kc.
KGPI Omaha, Neb. 2466 kc.
KGPP Beaumont, Tex. 1712 kc.
KGPK Sioux City, Iowa 2466 kc.
KGPM Los Angeles, Cal. 1712 kc.
KGPN San Jose, Cal. 1674 kc.
KGPO Davenport, Iowa 2166 kc.
KGPP Tulsa, Okla. 2450 kc.
KGPP Portland, Ore. 2442 kc.
KGPP Honolulu, T.H. 2430 kc.
KGPP Minneapolis, Minn. 2430 kc.
KGPP Bakersfield, Cal. 2414 kc.
KGPP Salt Lake City, Utah 2406 kc.
KGPI Denver, Colo. 2442 kc.
KGPI Baton Rouge, La. 1574 kc.
KGPI Wichita, Kans. 2450 kc.
KGPA Fresno, Calif. 2414 kc.
KGPE Houston, Tex. 2432 kc.
KGCE Topeka, Kans. 2480 kc.
KGCD San Diego, Cal. 2480 kc.
KGCF San Antonio, Tex. 2466 kc.
KGCF Charlotte, N.C. 2482 kc.
KGCE Des Moines, Iowa 2466 kc.
KGCF Klamath Falls, Ore. 2482 kc.
KGCI Wichita Falls, Tex. 2486 kc.
KGJZ Phoenix, Ariz. 2430 kc.
KGJZ Shreveport, La. 1712 kc.
KGJM El Paso, Tex. 2486 kc.
KGZN Tacoma, Wash. 2414 kc.
KGZO Santa Barbara, Cal. 2414 kc.
KGZF Coffeyville, Kans. 2460 kc.
KGZA Waco, Tex. 1712 kc.

KGZR Salem, Ore. 2442 kc.
KGZT Santa Cruz, Cal. 2486 kc.
KGZU Lincoln, Neb. 2474 kc.
KGZW Lubbock, Tex. 2458 kc.
KGZX Albuquerque, N.Mex. 2414 kc.
KSW Berkeley, Cal. 1658 kc.
KVYR Montreal, Can. 1712 kc.
KVYW Winnipeg, Man. 2410 kc.
KVYK Belle Island, Mich. 2414 kc.
WEY Boston, Mass. 1658 kc.
WBDT Detroit, Mich. 1658 kc.
WBDT Cincinnati, Ohio 1706 kc.
WMDZ Indianapolis, Ind. 2442 kc.
WNJ Buffalo, N.Y. 2422 kc.
WDEE Clark Park, Mich. 2414 kc.
WMP Framingham, Mass. 1666 kc.
WPDA Tulsa, Cal. 2414 kc.
WDFD Chicago, Ill. 1712 kc.
WDFC Chicago, Ill. 1712 kc.
WDFD Chicago, Ill. 1712 kc.
WFDE Louisville, Ky. 2442 kc.
WFDE Flint, Mich. 2466 kc.
WPDG Youngstown, Ohio 2480 kc.
WPDH Richmond, Ind. 2442 kc.
WPDH Columbus, Ohio 2460 kc.
WPDK Milwaukee, Wis. 2450 kc.
WPDJ Lansing, Mich. 2440 kc.
WPDN Dayton, Ohio 2430 kc.
WPDN Auburn, N.Y. 2382 kc.
WPDQ Akron, Ohio 2458 kc.
WPDH Philadelphia, Pa. 2474 kc.
WPDH Rochester, N.Y. 2382 kc.
WPDH St. Paul, Minn. 2450 kc.
WPDH Memphis, Tenn. 2490 kc.
WPDU Pittsburgh, Pa. 1712 kc.
WPDV Charlotte, N.C. 2440 kc.
WPDW Washington, D.C. 2422 kc.
WPDX Detroit, Mich. 2414 kc.
WPDY Atlanta, Ga. 2414 kc.
WPEA Fort Worth, Ind. 2480 kc.
WPEA Syracuse, N.Y. 2382 kc.
WPEB Grand Rapids, Mich. 2442 kc.
WPEB Memphis, Tenn. 2466 kc.
WPEE Arlington, Mass. 1712 kc.
WPEE New York, N.Y. 2450 kc.
WPEF New York, N.Y. 2450 kc.
WPEG New York, N.Y. 2450 kc.
WPEH Somerville, Mass. 1712 kc.

WPEI E. Providence, R.I. 1712 kc.
WPEK New Orleans, La. 2480 kc.
WPEL W. Bridgewater, Mass. 1666 kc.
WPEM Woonsocket, R.I. 2460 kc.
WPEP Arlington, Mass. 1712 kc.
WPEP Saginaw, Mich. 3442 kc.
WPEP Lexington, Ky. 1708 kc.
WPEW Northampton, Mass. 1666 kc.
WPEA Newton, Mass. 1712 kc.
WPEE Muskegon, Mich. 2442 kc.
WPEE Reading, Pa. 2442 kc.
WPEE Jacksonville, Fla. 2442 kc.
WPEH Baltimore, Md. 2414 kc.
WPEH Gwynedd, Pa. 2474 kc.
WPEJ Hammond, Ind. 1712 kc.
WPEK Hackensack, N.J. 2450 kc.
WPEK Johnson City, Tenn. 2470 kc.
WPEM Birmingham, Ala. 2382 kc.
WPEP Fairhaven, Mass. 1712 kc.
WPEP Knoxville, Tenn. 2474 kc.
WPEP Clarkburg, W. Va. 2490 kc.
WPEP Swathmore, Pa. 2474 kc.
WPEP Johnson City, Tenn. 2470 kc.
WPEE Asheville, N.C. 2474 kc.
WPEU Portland, Me. 2474 kc.
WPEV Pawtucket, R.I. 2466 kc.
WPEX Palm Beach, Fla. 2442 kc.
WPEZ Miami, Fla. 2442 kc.
WPGA Bay City, Mich. 2460 kc.
WPGC Fort Huron, Mich. 2446 kc.
WPGC Schenectady, N.Y. 1666 kc.
WPGD Rockford, Ill. 2466 kc.
WPGF Providence, R.I. 1712 kc.
WPGG Findlay, Ohio 1666 kc.
WPGH Albany, N.Y. 2414 kc.
WPGI Portsmouth, Ohio 2480 kc.
WPGJ Utica, N.Y. 2414 kc.
WPGK Ramston, R.I. 2466 kc.
WPGN Binghamton, N.Y. 2442 kc.
WPGN South Bend, Ind. 2490 kc.
WPGO Huntington, N.Y. 2490 kc.
WPGS Minola, N.Y. 2490 kc.
WPGU Boston, Mass. 1712 kc.
WPGW Mobile, Ala. 2382 kc.
WPRB Cleveland, Ohio 2458 kc.
WPRQ Toledo, Ohio 2474 kc.
WPRR GrossPt. Village, Mich. 2414 kc.
WRDS E. Lansing, Mich. 1666 kc.

When to Listen In

By M. Harvey Gernsbeck

Deventry
 • The Deventry schedule for December is as follows. Trans. 1, 1.5 a.m. on GSD and either GSB or GSF. (After Dec. 18, 8:30-9:30 a.m.) Trans. 2, 6:15-7:30 a.m. (except Sunday) on GSF and either GSD or GSE; 7:30-9 a.m. daily on GSB and either GSF or GSE. Trans. 3, 9:15-10:45 a.m. on GSE and GSD; 10:45 a.m.-12:15 p.m. on GSC and GSA; 12:15-12:45 p.m. on GSD and GSA. Trans. 4, 1-3 p.m. on GSD and GSB; 3-3:45 p.m. on GSB and GSA Trans. 5, 5-6 p.m. on GSB and GSA.

Rome
 • IERO, at Rome, Italy, has resumed broadcasting. Two separate transmitters will shortly be available for broad-

casting the programs. At present a program beamed toward North America is sent out on Mon, Wed, and Fri. on a wavelength of 30.87 meters. Other wave lengths available are 48.7, 42.98 and their old wave of 28.4 meters. The time of this trans. is from 6:30-8 p.m. It is likely that a shift will be made to one of the higher wave lengths since the first broadcasts were not heard at all in this country.

Panama
 • A new broadcasting station at Panama City, Panama, in Central America will shortly go on the air. It will operate on 6540 kc. (46.07 meters). It will be located at the Miramar Club and will broadcast concerts from the club.

Sydney
 • The schedule of WYME at Sydney, Australia, from December, January and February is: Sundays only, 1-3 a.m. and 5-11 a.m.
 December 5th the program will be dedicated to Canada; between 2:15 and 3:00 a.m. and also from 6:30 to 7:30 a.m.

PRFS
 The address of PRFS is: Mr. Salles Filho, Director of the Brazilian Official Broadcasting Program, Rio de Janeiro, Brazil.

Holland
 Our old friend PCJ at Eindhoven, Holland, which has been absent for nearly three years is definitely back on the air again. It operates irregularly on two wave (Continued on page 176)

HELPING HAND: For Sale. R-4A (without extra crystals) and speaker, SW-4A w/speaker and AL-4 loop antenna. Both in exc. condition and working great. Call or write; Bill Whitacre, 2609 Devonshire, Lansing, MI 48910 or (517) 482-7996. \$250.00 each, you pay UPS.

I N D I A (EXTERNAL SERVICES)

DELHI

"All India Radio"

Frequencies listed in kiloHertz

21660	15205	11765	9630	7235	6105
17860	15190	11740	9625	7225	6085
17780	15165	11725	9615	7215	6020
17705	15140	11620	9575	7150	3905
17387	15080	9912	9525	7125	3295
15430	11895	9755	9520	7105	1130
15335	11880	9745	7290	6160	1070
15280	11810	9705	7285	6145	710
15235	11775	9675	7260	6120	590

KHz

kHz

0001-0045	Tamil - General Service - Southeast Asia	9912, 7235, 6120, 1130
0005-0015	NEWS	
0045-0115	Burmese - Asia	7235, 6120, 1130
0045-0055	NEWS	
0130-0215	Nepalese - Asia	7225, 6105, 590
0200-0210	NEWS	
0130-0430	Urdu - Bangladesh & Pakistan	
0145-0155	NEWS	
0400-0402	News Summary	
0215-0230	Tibetan - Asia	9705, 7225, 6105, 590
0215-0221	NEWS	
0245-0330	Pushtu - Afghanistan - Asia	7225, 6020
0250-0300	NEWS	
0330-0415	Hindi - General Service - East Africa	17705, 15140
0335-0345	NEWS	
0345-0400	Persian - Iran	17387, 15080
0350-0359	NEWS	
0400-0430	Arabic - Arab World	17387, 15080
0410-0420	NEWS	
0415-0430	Gujarati - General Service - East Africa	17705, 15140
0415-0430	NEWS	

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DELHI

"All India Radio"

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KHz

kHz

0001-0045	Tamil - General Service - Southeast Asia	9912, 7235, 6120, 1130
0005-0015	NEWS	
0045-0115	Burmese - Asia	7235, 6120, 1130
0045-0055	NEWS	
0130-0215	Nepalese - Asia	7225, 6105, 590
0200-0210	NEWS	
0130-0430	Urdu - Bangladesh & Pakistan	6160, 1070, 710

1130-1230	Tamil - General Service - Southeast Asia	15335
1130-1200	Thai - Asia	21660, 17705
	1134-1140 NEWS	
1200-1300	Sindhi - Bangladesh & Pakistan	7260, 1070
	1205-1215 NEWS	
1215-1250	Cantonese - Asia	11620, 9625, 7105, 1130
	1215-1222 NEWS	
1230-1315	Tibetan - Asia	9705, 7285
	1245-1255 NEWS	
1245-1315	Sinhalese - Asia	17860, 15430
	1250-1258 NEWS	
1250-1315	Standard Chinese - Asia	11620, 9625, 7105, 1130
	1300-1306 NEWS	
1300-1330	Baluchi - Pakistan	6145, 1070
	1305-1310 NEWS	
1330-1400	Dari (Afghan-Persian) - Afghanistan	1070
	1330-1335 NEWS	
1330-1430	Punjabi - Bangladesh & Pakistan	710
	1333-1335 News Summary	
1330-1500	English - General Overseas Service -	15335, 11810
	South East Asia	
	1330-1340 NEWS	
	1340-1345 Commentary	
	1420-1425 Press Review	
	1455-1500 NEWS	
1400-1440	Nepalese - Asia	1130
	1430-1440 NEWS	
1430-1830	Urdu - Bangladesh & Pakistan	3295, 710
	1430-1435 NEWS	
	1630-1640 NEWS	
	1730-1735 NEWS	
1430-1545	Pushtu - Afghanistan	3905, 1070
	1435-1445 NEWS	
	1540-1544 News summary	
1515-1615	Swahili - East Africa	15080, 9575
	1550-1600 NEWS	
1600-1730	Persian - Iran	(9912, 3905 1615-1715),
	1615-1625 NEWS	1070
	1725-1727 News summary	
1615-1700	Hindi - General Service - East Africa	15080, 9575
	1620-1630 NEWS	
1615-1715	Russian - U.S.S.R.	9615, 7105
	1630-1640 NEWS	
1700-1745	Gujarati - General Service - East	15080, 9575
	1705- NEWS Africa	
1730-1930	Arabic - Arab World	(9912, 3905 to 1830), 1070
	1745-1755 NEWS	
	1925-1929 News summary	
1745-1945	English - General Overseas Service -	15080, 11620, 9575, 9525,
	East Africa, U.K. & West Europe	7225
	1800-1810 NEWS	
	1810-1815 Commentary	
	1845-1850 Press Review	
	1900-1905 NEWS	
	1905-1910 Commentary	

India (External Services)

621

. kHz

1948-1950	French - North & West Africa 1950-1960 NEWS	11880, 9755
1945-2045	English - General Overseas Service North & West Africa, U.K. & W. Europe 1945-1950 Press Review 2000-2010 NEWS 2010-2015 Commentary	11880, 11665, 9912, 9755
2045-2230	English - General Overseas Service - U.K., West Europe & Australasia 2045-2050 Press review 2100-2105 NEWS 2105-2110 Commentary 2200-2210 NEWS 2210-2215 Commentary	11740, 11620, 9912, 9525, 7225, 7150
2145-2220	Cantonese 2145-2152 NEWS	7290, 1130
2220-2245	Standard Chinese 2230-2236 NEWS	7290, 1130
2245-0115	English - General Overseas Service- North East, East & Southeast Asia 2300-2310 NEWS 2310-2315 Commentary 0015-0020 Press review 0100-0105 NEWS 0105-0110 Commentary	15280 from 0030, 11825, 11770, 9575, 9520, 6085 to 0015, 7215 (7150, 6085 to 0015), 3905
2300-2400	Hindi - General Service - Southeast 2305-2315 NEWS Asia	9912, 7235, 6120, 1130

SUPERTONE'S 100% BANDSPREAD RECEIVER

Our Engineering Dept. has now perfected our short wave receiver to provide 100% band-spreading on all bands from 16-200 meters. This has been accomplished with the new dial ratio airplane dial with its 12-1 ratio band-spread pointer.

You may now use this receiver for your daily communication work and for your station accurately for repeat tuning. For the short wave fan these new features will aid in separation of the foreign and domestic stations on all congested bands.

These units with speaker cabinet switch are mounted on brass panel for easy accessibility. Complete shielding of all stages to eliminate R.F. and audio feedback. A highly sensitive regenerative circuit using a tuned R.F. stage with a newly perfected system for equalizing both stages, makes this an ideal short wave receiver for both long and short wave fan.

Tubes employed are the newly developed 8.3 volt types: 6A4, 6F7, 6L6, 6Z and 6C. Set is mounted on a black enameled heavy steel chassis. Chassis wired and tested with coils.

Cabinet fan cabinet
Five Sylvania air filtered tubes \$ 1.75
6" short wave dynamic speaker 1.50
Short wave horn from power supply 2.00
Complete kit of parts for set and power supply 4.75
14.75

\$11.75

SUPERTONE PRODUCTS CORP.
36 Hooper Street, Dept. S-7 35, Brooklyn, N. Y.

Log

Report



Section B

•Editor Sec. B: Kent C. Corson
2269 Graham Circle, Dubuque, Iowa 52001

- 4900 BURUNDI R. Cordac; 0406-0417 lang, hymns, tlk and fast fade by 0417. (Tuchscherer 1/9) (Ware)
- 4900 VENEZUELA R. Juventud; 2309-0014 SS, EE pop mx with frequent ID's.
- 4904.5 CHAD RNT; 1900-1918 FF, political nx. (Padula/Hanner 12/14) 2100-2140 FF, semi-classical and Afr mx, tlks, vocal mx. (Lineback 12/28, McCoy 12/16, Follard 12/17) (Henderson)
- 4905 CHINA RP; 2245 CC, tlk and cmntry. G sig with some flutter.
- 4910 VENEZUELA R. Carora; 1032 SS, ID, mx, TC's, tlks, ads. (Jones)
- 4911 ZAMBIA R. Zambia; 1930-1935 Vern, tlks. (Padula/Hanner 12/14,15) 2200 with Happy New Year, bad het from Guinea on 4910. (Henderson)
- 4915 CHINA GBC; 2130-2305* EE/vern, tlks, nx, cmntry, hymns and ID. (Lineback 12/28, Conover 1/3, Ware) 0535-0602 EE/lang, M&N chanting with drums, ID, followed by nx. Occ severe QRN. (Patterson 1/2)
- 4915 KENYA VoK; 1904-1910 Swahili, nx, disc/report. (Padula/Hanner)
- 4915 COLOMBIA R. Guatapuri; 1031-1054 SS, tlks, LA mx, many ID's. (Yajko, Earhart 1/1) 0446-0605 SS, Colombian songs, ads, ID's, LA pops and rock mx. (Hardester 12/15, Patterson 12/28, McNeil)
- 4915 BRAZIL R. Dif. de Macapa; 0840 FF, LA songs, DJ yak, Brazilian pop songs. Good but no ID hrd. (McNeil)
- 4920 ECUADOR R. Quito; 0418-0431* SS, Andean mx, "Indian Love Call" theme at 0428 followed by ID "Transmite Radio Quito.." and more theme, then silence. (Patterson 12/27)
- 4920 AUSTRALIA ABC-Brisbane; 1310 EE nx by M. (Morits 1/4)
- 4920 USSR Kiev; 1940-2100, Czech at 2000, mostly tlks with some RR mx. (McNeil, Henderson 12/31, Padula 12/22)
- 4923 ECUADOR R. Quito; 0952 SS, US hand mx, ID. (Jones 1/11)
- 4924 MANCHURIA Harbin; 2210-2225 CC, tlk by W, typical mx. (Hayer 1/2)
- 4926 EQ. GUINEA R. Bata; 2115-2138 lang, Afr and LA type mx, annmnts by M in und lang. VP under ute. (McNeil) 0502-0558 SS, Afr mx, tlks, under ute with fair sigs. (Wegener 12/31, Henderson 12/31) (T) 0630 with lively Afr mx, tlks, no ID. (Wallace)
- 4930 ECUADOR Casa de la Cultura; 0325-0329* SS, also past 0400, with LA mx, tlks, ID and 4 note gong at s/off. (Follard 12/19, Duke 12/12 Conover 12/13)
- 4930 USSR probably Tbilisi; 0420 with RR relays of Moscow and tlk by M and W in RR. (Henderson 12/31)
- 4932 NO. VIETNAM Hanoi; 1020 VV, tlks by W. (Padula/Hanner 12/18)
- 4940 IVORY COAST RTVI; 0655-0700 FF, nx, cmntry, ID. (Schwartz 12/27)
- 4940 VENEZUELA R. Yaracuy; 1025-1040 SS, tlk, ID and singing ads, and then ballads and more ads. (Earhart 12/26)
- 4943 BRAZIL R. Dif. Focos de Caldas; 0850 FF, separable from Colombia with somber songs, DJ tlk. Is now 5 Kw. (McNeil)
- 4945 COLOMBIA R. Colosal; 1010-1104 SS, vocal mx, ads, ID, and tlks. (Padula/Hanner 12/18, Earhart 1/1)

- 4955 COLOMBIA R. Nacional; 0228-0320 SS, cl mx, opera. (Lausevich 12/10, Schwartz 12/28)
- 4959 VENEZUELA Radio Sucre: 1012-1019 SS, tlk with songs between pauses then singing ads followed by more tlk & songs. (Earhart 12/26)
- 4960t ECUADOR R. Federacion Sucua; 0235-0300* SS, quiet LA instru mx with out anncmnts, unreadable ID and NA. (Duke 12/28)
- 4960 CHINA RF; 1000-1030 JJ svc. (Fadula/Hanner)
- 4970 VENEZUELA R. Rumbos; 1010 SS, ads. (Fadula Hanner 12/18) 0408-0437 with tlks, ID's, nx and nx. (Conover 12/13, Alder 12/13)
- 4972 CAMEROON R. Yaounde; 2145 FF, tlk, Afr mx, bad ute QRM. (McNeil, Lineback 12/28) 0620 ~~EM~~ nx and into FF. (Wallace)
- 4972 FR. GUYANA ORTF; 0950-1000 FF, tlk until 0956, then mx number, W anncr at 1000 but could not get def ID. (Earhart 12/26)
- 4980 CHANA GBC-Ejura; 0632-0715 EE, world nx, cmtry on Angola, drum mx, TC's and ID. (Hardester 12/15, Schwartz 12/29)
- 4980 SWAZILAND SMR; *0355-0700 EE, "popcorn" IS, into rock mx, jingle ID's, TC's, etc. (Keeney 1/7, McNeil, Schwartz, Lineback 12/17)
- 4985 CELEBES RRI-Ujung Pandang; 1330 Indo, W anncr and lcl pops. F sigs. (Whitacre 1/5)
- 4985t MALAYSIA RM-Fenang; 1315 lang, M with tlks and pauses between items (Miller 1/10) Sure it wasn't RRI A1? KCC.
- 4985 BRAZIL R. Brasil Central; 0453-0800 FP, lively Brazilian pops, ID, freq anncmnt, ads and tlk. (Keeney 12/28, Patterson 1/2)
- 4994 UNID Arabic station hrd around 1530. Have hrd Vietnam here in the past off and on. Did Sudan once use this freq? (Shaw 1/3)
- 4995 PERU R. Andina; 0220-0520 SS, Peruvian mx, ID. (Miller 1/11, Yajko) (Schnabet 1/4) (McNeil 1/9)
- 5005t PERU R. Jaen; 0430-0440+ SS, tlk by M. F with Colombia splatter.
- 5010 COLOMBIA R. Surcolombiana; 0240-0500* SS, LA vocals, ID's, anthem at 0457, OC till 0500 and off. WRTVH says 24 hrs. What gives? (McNeil, Moritz 12/11)
- 5010 CAMEROON R. Garoua; 2005-2010 chants. (Fadula/Hanner 12/15) (T) 2146 a little audio down in noise. (Lineback 12/28)
- 5014.8 UNID. SS station here at 0441' with SS tlks, maybe nx...sorta under local noise. No one I know of in SS here (I don't think it was FF, either, and I rule out Angolan). Any help? The Russian was also there, but higher in freq. (Henderson) Date?
- 5015t USSR Arkhangelsk; 2124-2135 RR, pop-classical mx to 2129, Mayak IS 4 times, M with anncmnts, 2135 cl mx again. (Whitacre 12/11)
- 5015 USSR Vladivostok; 1030-1530 RR, cl mx, RR mx, tlks by M&W, IS, and possible ID. (Lineback 12/15, Moritz 12/15, Fadula/Hanner 12/18, Bromley, (T) Earhart 1/1)
- 5015t CRENADA R. Grenada; 1835-1901 EE, rel mx, poss ID. (McCoy 1/10)
- 5015 ANGOLA RC de Mocamedes; 0645-0700 Vern, M tking, Afr style mx, positive ID at 0700. (Leffler 12/17) Are you sure about this Irv? Pretty late for Angola plus they have not been reported lately and not sure they are still on.KCC.
- 5020 NIGER ORTN; 2005-2015 Vern, tlk, national mx, drums. (Fadula/Hanner 0535-0555 FF(?), drum mx, drum mx, chanting, anncmnts by M(Mitchell)
- 5020 COLOMBIA Ecos del Atrato; 0135 SS, sports coverage of soccer game, with superfast SS DJ's. (McNeil)
- 5024M BRAZIL Borborema or Vitoria; 0915-0938 FP, typical spirited pop type Brazilian mx with M anncr. No question about being FP lang & Brazilian but not sure of ID. (Earhart 12/26) (Fadula/Hanner)
- 5025 PERU R. Quillibamba; 1025 SS, Peruvian vocals, anncmnts.
- 5026 UGANDA R. Uganda; 2105 EE/lcl lang, nx by M. (Henderson 12/31)
- 5028 UNID. Asian. My 5027 of 12/15 now firm on 5028 last 2 days. Was CC to 1430, then Thai. Vy good sig, easy to separate from Sarawak on 5030. Noted Burmese-like mx other days. (Shaw)
- 5030 VENEZUELA R. Continente; *0900-1015 SS, NA at opening, then ID, and then mx. (Earhart 12/26, Fadula/Hanner 12/18) 0452-0455 SS, ID's, mx and ment of freq. (Carr 12/18)
- 5030t SARAWAK RMS; 1319-1345, pops, lcl type mx, and orch mx. M in lang, also thought I heard a word or two of EE. Very tent, as weak and much QRM. (Moritz 12/23)
- 5035 COLOMBIA LV de Caqueta; *1113 SS, NA, ID, mx. (Jones 12/31) 0245-0414 SS, pretty LA pops, many TC's, ID as "La Internacional Voz del Caqueta". (McNeil, (T) Patterson 12/27)
- 5035 KAZAKH SSR Alma Ata; 1201-1240 RR, M&W with nx, SC vocals, Tashkent IS at 1229. (McNeil 12/25, Moritz 12/24) (Fadula/Hanner)
- 5038 CENTRAL AF. REP. RNC; 2020-2100 FF, nx and Afr mx. (McNeil 1/9)
- 5039 SUDAN R. Omdurman; 2020-2125 AA, mx, vocals, anncmnts. (Fadula 12/15 0440-0450 AA, nx by M, AA mx. (McNeil)
- 5040t BURMA BBS; 1324-1330 Asian lang, mx, vy weak and either off or fade out by 1330. (Bromley).

- 5041 GUINEA-BISSAU RB; 2140 FF, long tlk by M, a few snatches of string mx, and returned at 2400 s/off. (Miller 1/2) *0558-0725, IS, ID by W, Afr drum beating and usual yelling. (Wallace, McNeil)
- 5046 BRAZIL R. Dif. Presidente Prudente; 0030-0102 FF, noticias by M, ID at 0043, LA mx. (Tuchscherer 12/16)
- 5047 TOGO RT; 1940-2300* FF, nx, Afr mx, ID. (Padula, Conover, Schwartz) 0610 PV, Afr mx. (Schwartz 12/7)
- 5047 JAVA RRI Yogyakarta; 1000-1005 Indo nx. (Padula/Hanner 12/18)
- 5050 TANZANIA RT; 1940-1945 Swahili, Afr mx, annncmnts. (Padula/Hanner)
- 5052 SINGAPORE R. Singapore; 1440-1500 EE, cl mx, birthday greetings to listener's, vocals. (Thompson 1/3) (Mayer 1/9)
- 5053 MONGOLIA RUB; 1230-1240 RR(?), M with tlk, poor mod, Asian mx.
- 5055 BRAZIL unid; 0200 PP, DJ yak, EL mx, Christmas eve pgm, ads, no ID past 0220. Both Brazilians supposedly off. (McNeil 12/24) (son)
- 5057 ALBANIA Gjirokasta; 0510, nx at s/on, "Ju Flet Tirana" ID. (Hender)
- 5060 ANGOLA A Voz do Revoluciono or RC do Huambo; 0517 with PP and EE vocals...1st time hrd in many mos. Good ID at 0518. (Henderson 12/31)
- 5065 KARELO-FINNISH ASSR Petrozavodsk; 2107 with choral mx, poor under noisy spot on the band. (Henderson 12/31)
- 5163 CHINA RP; 1205 CC, CC singing. Fair. (Yajko 12/26)
- 5745 USA VOA; 0300-0335 EE, don't believe this is a "ghost" freq since I hear with a 555 level using a buggy whip. Pgm is Afr safari and not sure whether Greenville or Bethany. Reporting since not on VOA pgm and only other (6030) has another pgm on. (Earhart 12/28)
- 5875 HONDURAS LV de Honduras; 0012-0020 SS, ID and vocals. (Moritz)
- 5900 ISRAEL IBA; *2000-2030 EE, nx and tlk, "letterbox", Jerusalem cllg pgm // 7395,9815. (Moritz 1/3, Schwartz 12/28, Slaiff 12/20) *0500-0515* EE, nx and cmntry. (Hoffman, Willis)
- 5915 USSR RF&P; 0427-0435 SS, tailend of tlk in SS plus ID and IS, then another SS pgm started with reg RM IS. (Earhart 12/20)
- 5930 CZECHOSLOVAKIA R. Prague; 0100 EE, lcl nx, world nx. (Cooper 12/11)
- 5936 LATVIA R. Riga; *2000-2055 Swedish, on a Tues to Euro. Listed as 2020 s/on BBCMS. (Don't confuse with other USSR co-channel). IS and ID in Latvian at w050. (Moritz 1/1, Padula 12/23) 0800-0828* Swed. pgm on Sun only. Did not cont at 0830 as per WRTH. (Behr 12/21)
- 5949 PAKISTAN RF; 1235-1245* lang, tlk by M, close with Anthem. Hrd on 1/8. (Tuchscherer)
- 5950 ISRAEL IBA; *0500-0530* EE/FF, nx by M, W at 0515 in FF. (Gaffin, Detlefsen 1/10, Carr 12/18, D. Walcutt 12/17)
- 5950 GUYANA GBS; 1043 EE, rock mx, "Monday morn show". (Jones 12/29)
- 5950 MANCHURIA Harbin; 1305-1320 CC, tlks by M&W, opera. (Schwarz 12/15)
- 5950 USSR R. St. Rodina; 1400 RR, 1500 Mayak // 5920. Both strong and suspect C. Asian sites. (Behr)
- 5953.5 COLOMBIA R. Super de Medellin; 1035-1045 SS, songs and spirited mx with many ID's as R. Super. (Earhart 1/4) (Thompson 12/31)
- 5955 GUATEMALA R. Cultural; 0330-0410 EE, various rel pgms, ID's.
- 5955 BRAZIL R. Gazeta; 0859 FF, ID, freq's, ads, pop mx. (Jones 1/7)
- 5962A COLOMBIA LV de los Centauros; 1042 SS, ID, TC's, ads, LA mx. Looks like they're back where they started. Back on 5990 on 1/11,12.
- 5965 HUNGARY R. Budapest; 2132 EE cmntry by W. (Dunn) (Jones 1/8)
- 5965 SWITZERLAND SBC; 0145 EE, Dateline pgm. (Hoffman 12/16) (Moritz)
- 5965 SPAIN RNE; 0250-0300* SS to South Am, tlk, ID and closing anns.
- 5970 PERU R. El Sol; 1020-1059 SS, Andean mx, TC's, ID's. Fine until RCI s/on at 1059. (Gaffin 12/17)
- 5970 ECUADOR HCJB; 0230 EE, cmntry, mx. (T. Smith 1/3) (Detlefsen 1/6)
- 5980 SOUTH AFRICA RSA; 0420-0427* EE, nx, then sked info and freq's.
- 5980 MEXICO R. Mexico; 2107-2238 SS, ID, mx, tlk. (Jones, Alder)
- 5985.5 ARGENTINA R. Splendid; 0230 SS sports & own ID, 0330 ID as "LRA R. Nacional". (Behr 12/21)
- 5987 SULAWESI RRI Manado; 1416-1500 Indo, Christmas mx, ID, and "love Ambon", then nx. (Keeney 12/26, McCoy 12/26)
- 5987A UNID. 2109-2115 AA chants by M and chorus occasionally thru terrible het. (Shingler 1/2 only).
- 5990 JAPAN R. Japan; 1355-1405 JJ, 1355 IS, *1400 with ~~top 40~~ top 40 mx of nx and cmntry in EE. (Lineback 12/20)
- 5995 AUSTRALIA R. Australia; 1057 EE, top 40 mx to SEA. (Dunn 1/4) 0830 EE sports pgm. (Pitts 12/29) 1340 EE (Alder 12/7)
- 5995 MALI Gaffin 12/21 2150-2400* FF, Afr mx, ID and anthem at s/off. (Pitts) (Lausevich)
- 5995 ECUADOR Voz del Tr... 0010-0035 SS, mx and cmntry with much QRM
- 6000 HONDURAS R. Swan; 0445-0600 0010-0035 SS, ID's, TC's, said 24 hrs. (Hill 12/13,15, Lausevich 12/6, Carr ~~mx~~ ID's, 1130-1141 SS, many ID's marimba mx. Move from 6185. (Zilmer 12/15, Yajko 12/15) what did we do for excitement before R. Swan; KCC.

- 6000 HUNGARY R. Budapest; *0200-0312 EE, lcl and world nx, mx, tlks, and ID. (Cooper 12/17, Alder, Fearson)
- 6005 W. GERMANY RIAS-Munich; 2230-0230 GG, orch mx before 0030 and rock mx afterward, and nx on the half hr. ID per WRTH, "Hier ist RIAS-Berlin". According to slightly complicated sked in WRTH this should be Berlin, but veri for 0122-0207 says Munich. when is RIAS really from Berlin? (Whitacre 12/17)
- 6005 ASCENSION I BBC; *0330-0345 EE, nx. (McKrell 12/28)
- 6010 W. GERMANY DW; *0130-0150* EE, nx, comments, orch mx. (Thompson)
- 6010 USA VOA-UN Dixon; 1005-1017 Asian lang(?), reporting because not listed in VOA sked. ID by W as Dixon and a UN brdcst...then W in lang. (Earhart 12/27) 0900-0930 CC, NF ex 6145. (Fadula 12/21)
- 6010 ITALY RAI; *0100 EE, IS, ID, nx, mx. (Fearson 12/9)
- 6012t ANTARCTICA McMurdo; 1115-1135, moderate carrier with possible audio but not sure. Only noted once with het from 6010. (Hardester 1/4) 0949-0958, no Antarctica ID hrd, vy poor //6030. (Follard 12/28) Be very careful on this one. The report of this station in Dec LRB was NOT them, but rather a spur. They do not // 6030 and when ppm is such you have a spur.KCC.
- 6015 AUSTRIA ORF; 0500+ GG, IS followed by march mx and W giving ID in GG, then pop mx. Perhaps Aldrans shift up. Vy wk. (Shaw 12/24)
- 6015 BRAZIL R. Clube de Pernambuco; 2200-2230 FP, ads, pop mx, nx and annmnts. (Schwarz 12/18)
- 6020 MALACASY RN Talata; 1730 DD, mx, QRM Kiev //6025 Lopik. (Behr)
- 6020 UKRAINE R. Kiev; 1730 IS and Ukraine ppm, 1830 Moscow FS. (Behr)
- 6025 PARAGUAY R. Nacional; 0945-1000 SS, ID, LA mx. (Yajko, Follard)
- 6025 FORTUGAL R. Portugal; 0230 EE, nx and mx. (Hoffman 12/16)
- 6025 NIGERIA NBC-Enugu; 2247-2306* EE, mx ppm, ID at 2300, nx by W and anthem at s/off. (Schwarz)
- 6025 UZBEK SSR R. Tashkent; 1203-1230 EE, nx and cmntry. (Jones 1/3, Lausevich 12/14) 1407 EE, nx and lcl mx. (McCoy 12/26)
- 6030 W. GERMANY Sueddeutscher Rundfunk; 2206-2304 (possible s/off) with GG annmnts, chime on the hour, nx at 2200 and 2300, orch and pop mx. Fair sigs and under AFRTS. (Whitacre 1/9)
- 6035 SWEDEN R. Sweden; 0004 SS(?), ID and the tlk by W. (Ware)
- 6040 COLOMBIA LV de Tolima; 0438-0448 SS, mostly non-stop LA mx, with constant interruptions for ID's. Not sked this time per WRTH. (Moritz)
- 6040nft E. GERMANY RBI; 0130 SS, ID, sked, ppm details, nx. (Schwarz)
- 6045nft E. GERMANY RBI; 0000-0043 SS, M&W with cmntry, mx, ID, nx and more cmntry. (Conover 12/22) Who misread what?KCC.
- 6045 SWITZERLAND SBC; *0430-0500 EE, nx, tlks. (McKrell 12/20)
- 6045 PERU R. Santa Rosa; *1059 SS, anthem, ID and mx. (Jones 1/8)
- 6050 ITALY RAI; *1935 Hungarian(?), IS, vy poor. (Ware)
- 6055 MALTA R. Mediteraino; 2020-2115*, AWR, Malta and AWR segments. World DX Club did a neat bit on CBB DX in the US. A poor choice of freq, as QRM'd from everybody. IBRA tape still announc former 9755 (Moritz)
- 6055 CZECHOSLOVAKIA R. Prague; 0025 EE, jazz mx, ID, nx. (Zilmer 12/18)
- 6055 KUWAIT R. Kuwait; 1645 AA mx, 1701 AA nx //9715. (Behr) (T) 1330-1342 Afr mx, 1342 M in lang, 1345 AA mx. Weak. (Shingler 1/8)
- 6055 JAPAN NSB; 1404 JJ, educ ppm, NSB ID at 1415. (McCoy 12/24)
- 6060 SICILY Caltanissetta; 0007-0035, operatic vocals, nx in FF/GG at half hour, cl mx. (Schwarz 12/9) According to David Kernick-Enf, Sicily is here ONLY between 0500-2200 per recent QSL. KCC.
- 6060 CUBA RHC; 2300 SS, mx and ID. (Ware)
- 6065 SPAIN RNE; 2030-2105, AA tlk by M&W, SS mx, ID and nx. (Gaffin, Ware)
- 6065 0128 EE, ID's, cmntry. (Schwarz) *0300 EE, IS, ID, nx headlines, mx and nx in detail. (Fearson 12/9)
- 6065 SWEDEN R. Sweden; 1605-1619 EE, comment, ID and piano selection. Most strange reept. (Moritz 12/22) *2030-2100* EE, ID, IS, nx and review of 1975. (Ware)
- 6065 COLOMBIA R. Super; 1035-1043 SS, mx, ID's. (Ware) 0554-0617 SS, mx, many ID's, occasional singing. (Hardester 12/12)
- 6070 VENEZUELA R. San Sebastian; 1045 SS, LA mx, ID. (Yajko 12/21) 0001 ECULID. (Zilmer 12/16) 0333-0351 SS ID's, EE&SS pops. (Moritz 12/16)
- 6070 ECUADOR HCJB; 1120-1135 SS/JJ, seems to have left 6065 and gone back here for this 11 time slot. Had Andean mx and gave EE ID and freq at 1130 and then into JJ. (Earhart 12/27)
- 6075 W. GERMANY DW; *0130 EE, IS, ID, s/on anns and the... (Ware)
- 6080 BELGIUM RTB; 0038-0056 EE, comments on, In... (Ware)
- 6080 CANADA CKFX Vancouver; 2008 EE, relay of CKWX. (Fitts)
- 6085t ZAIRE Kisangani; 2006-2009, 2052 M in lang. (Shingler 1/6)
- 6090 LUXEMBOURG *0100 EE, rock mx, ads. (Mulvey) (Miller, Schwarz, Follard)
- 6090 NIGERIA RTV Kaduna; 2100-2215 EE/lang, cmntry, Afr mx, ID's.
- 6095 ECUADOR HCJB; 0155-0400 EE, rel ppm, nx. (Thompson, Wockner)

- 6095 SI. SAHARA R. Sahara; 2041-2056 AA, lcl mx, instru and vocal, ♀ in AA and nx by ♀ maybe at 2046. (Schwarz 12/15) Are you sure this was not Bahrdad? KCC. // (Schwarz 12/9)
- 6100 YUCOSLOVIA R. Belgrade; 2200-2215* EE, nx by W, cmntry, 9 note 13.
- 6100 NIGERIA NBC-Maiduguri; 2200-2215 Hausa, lcl chanting and mx, mixing with other stations. (Schwarz 12/22)
- 6100nf MOROCCO RTM; 2347 AA chants mixing with (but mostly under) DW. Fast 0010 dual 6170, with mostly mx and some AA annmcnts. (Hill 12/14)
- 6105 MEXICO Su Pantera; 1419 SS, rock mx. (Jones 1/2)
- 6110 HUNGARY RB; 1515 EE DX pfm, 1530 GG. // 7200. (Behr)
- 6110 UNID. 1348-1355 SC mx, chants by W. Poor. Kashmir? (Shingler 12/26)
- 6115 UNID. S. Asian station; 1410 all SEA mx to 1440 f/o. (Behr 12/31)
- 6115 PAKISTAN Islamabad or Karachi; 1338-1340 chants by M and chorus, ♀ in lang. (Shingler 12/23)
- 6115 MEXICO R. Universidad de Sonora; 2235-2250 SS, cl mx without any interruptions except for ID. (Thompson 1/6)
- 6115 COLOMBIA LV del Llano; 0245-0300 SS, pop mx, ads, tlks. (Schwarz)
- 6120 SPAIN RNE; *0059-0415 SS, IS, ID, SS mx and nx. (Earhart, Jones 1/12)
- 6121 COLOMBIA R. Super de Cali; 1032-1138 SS, ID's and ads, nx, TC's, sports. (Earhart 1/3, McCoy 12/15) 0622-0642 SS, mx. (Hardester 12/12)
- 6125 HONDURAS R. Suyapa; 2335-0048 SS, variety of nx, ID's as R. Suyapa and "La Carinosa de la hora". (Moritz 12/29, 30) 0520-0550* SS, mx and frequent ID's. (Lausevich 12/17)
- 6130 GHANA R. Ghana; 1125 EE, rel pfm. (Dunn) 2136 EE tlk. (McCoy 12/17)
- 6130 CANADA CHNX; 2315-2330 EE, rock mx, Anniv celebration. (Mayer 1/3)
- 6134 SO. KOREA KBC Suwon; 1400-1700 KK, now down from nominal 6135. Look out for Samarinda or Tananarive, both of which use/used 6134. (Hill)
- 6135 CHILE R. Univ de Concepcion; 1009-1115 SS, tlks, mx, ID by W, ads, and TC's. (Gaffin 12/24, Schwarz, McCoy 12/15)
- 6135 SWITZERLAND SBC; *0145-0215* EE, nx, orch mx. (Thompson, Wockner)
- 6135 POLAND R. Warsaw; 1500 Swedish, 1530 Finnish. (Behr 12/24)
- 6140 AUSTRALIA ABC Perth; 1025-1303 EE nx, sports, wx. (Moritz, Dunn 1/4)
- 6145 W. GERMANY DW; 0200-0230 GG, ID, tlks, nx and mx. (Thompson)
- 6150 AUSTRALIA ABC Melbourne; 1255-1300 EE, world nx, ID and NA and off at 1301. (Miller 1/1, Dunn 1/11)
- 6155 BRAZIL R. Cultura da Bahia; 0003-0020 FF, much tlk, some Christmas mx, mixing with ORF. (Gaffin 12/25)
- 6155 JAPAN FEN; 1400 EE, pop mx, TC, ID and nx. (Jones 1/2)
- 6156 HAITI R. Citadelle; 1120-1202 FF, church pfm, ID by W, then pop and cl mx. All ID's seemed 6-7 min before hr or half hr. (Whitacre)
- 6160 COLOMBIA Em. Nueva Granada; 0220-0240 SS, cmntry, mx and ID's as "Radio Emisora..." (Lausevich 12/20) 0808-0950 SS, SS vocals, ID, LA mx. (Moritz 12/7, Ware)
- 6165 BRAZIL R. Cultura de Sao Paulo; 2315 FF, several ID's, tlk, and Bossa Nova mx. (Zilmer 12/18)
- 6165 UNID. 1336-1339 Asian mx under Vladivostok. VF. (Shingler 12/31)
- 6170 COLOMBIA LV de la Selva; *0910-1200 SS, ID, freq's (Including FB.). LA mx. (Moritz 12/26, Jones 1/6, Ware)
- 6170 VENEZUELA R. Nacional; *1200 SS, IS, ID, NA, tlk. (Zilmer 12/21)
- 6170 MOROCCO RTVM; 2135-2150 AA, M singing speech. (Schwarz)
- 6175 BRAZIL R. Guarani; 2210-2215 FF, tlk by M, ads. (Schwarz 12/14)
- 6175 COSTA RICA Faro del Caribe; 1200 SS, mx // 9645. (Zilmer 12/31)
- 6180 CYPRUS BBC; 0533 EE, pop mx, tlks. (Carr 12/18)
- 6180 GUATEMALA R. Nacional; 1403 SS, singing ID, tlk. (Jones 1/2) 0443-0448 SS, tlk, full ID, QTH and freq. (Moritz 12/18)
- 6180 KAZAKH SSR Alma Ata(?); 0500 RR nx & pfm review to 0525*. (Behr)
- 6185 ETHIOPIA R. Ethiopia; 0355-0425 mx on flutes, fuitars, nx in Somali EE ID at 0400. (W. Smith 12/15)
- 6185t LIBYA FRB; 2140-2155 AA, chanting by W, M&W tlk. (W. Smith 1/3) 0357-0421 AA, vocal by W with instru accomp, OC until 0400 when NA and annmcnt by M. 0405 lcl mx, Koran reading. (Schwarz 12/22 HIC 159)
- 6185 W. GERMANY DW; *0526-0550 EE, IS, GG ID, EE ID, and then into nx to NA. (Carr 12/18, Hoffman 12/15, Ware) // (Ware 1/4, Earhart, Thompson)
- 6190 NETH. ANTILLES TWR; 0330-0415 RR, IS, ID in EE, tlks and hymns.
- 6190 PAKISTAN RF; 1214 EE/lang, EE ID, native mx. Heard once in awhile under USSR. (Zilmer 12/13)
- 6195 NIGERIA NBC Sokoto; 2145-2225 Hausa, Afr mx, tlks. (Schwarz, Whitacre)
- 6195 CHILE R. Nacional de Chile; 0922 SS, pop mx (Big band style). (Jones)
- 6200 ALBANIA R. Tirana; *0130 EE, nx by M&W, comments. (Pearson 12/9)
- 6200 CLANDESTINE Pathet Lao R; This station and its // freq's of 6213, 7310 and 7480 have left the air as of 12/15. (Willis)

Sorry about last month pan! Keep thinking I'm as young as I used to be on the tennis courts. Keep those cards and letters coming with all those exotic loggings. Till next month, 73's *Kent*

Section C

Log

Report

EDITOR: Tom Gavaras

6201-11700



Hello! Here I go at my first stab as FRENCH Log-Report editor. Before I start the ball rolling, I want to remind you that the next deadline is February 12th. All reports now go to the Distribution Editor: Greg Ravenhorst, Rural Route, Hollandale, Minnesota 56045.

- 6205 UNID. (Pirate?); 0415 FF, continuous pop mx, Good 12/15 (Zilmer)
- 6205 FRANCE RFI; 1830 FF, France-Inter. pgm, Poor//9740 (D. Walcutt). 2000-2100; FF, mx, tlk, Id's//7085 (Mayer). 0400-0500 FF, IS, ID, TC, Nx (Shaw). So RFI now joins the other out-of-band stations.
- 6217 INDONESIA UNID.; 1100-1400. Believed ex 6200 (Willis-Australia)
- 6235 PAKISTAN R. Pakistan (Karachi); 2145 EE, ID & address given. (Dunn). 2135 Man tlk w/chant, 2141 W anncr.in unid. lang. (Whitacre).
- 6250t EQUATORIAL GUINEA R. Malabo; 2228 SS, W anncr., M sings 'Rousina Song'. (Miller)
- 6251v KOREA-NORTH KCBS; 0440 KK exhortations and choruses. Despite WRTVH, I'm pretty sure this is a HS outlet, not FS! 12/15 (Hill). Do not confuse with R. Malabo!
- 6260 UNID. Pirate?; 1045 mx (Jackie Blue, Don't Say Why, etc.), no audible anncn. but good Mod. level (Henderson). 1015 w/cont. pop mx & no ann. 12/22 (Keeney)
- 6320 CHINA R. Peking; 1215 CC, tlk. Fair. (Yajko).
- 6348 KOREA-SOUTH Echo of Hope; 1145-1200* KK, tlk by YL, oriental mx (Schwarz).
- 6450n VIETNAM Hanoi, lang. lessons//10010, 7470, 4995. 14:00. (Willis-Australia).
- 6900 TURKEY Turkish Met. Sta.; 0530-0601 TT, mx, no ann. UTE QRM. (Henderson).
- 6955 CHINA R. Peking; 1205-1215 JJ, lang. lessons. (Earhart).
- 7065 ALBANIA R. Tirana; 1830-1900 EE, usual prg (Ball). 0000; EE nx, cmntry (Cooper)
- 7081 VIETNAM Hanoi; VV px//7373, 10060. 1100-1500 (Willis-Australia). Hoffman.
- 7085 FRANCE RFI; 2000-2100 FF, mx, tlk, ID's//6206 (Mayer).
- 7105 SPAIN RNE; 1215-1230 SS, mx, xylophone solo, tango, etc.//11920 (Earhart).
- 7110 JAVA RRI-Yogyakarta; 1132 EE, nx and cmntry (Keeney).
- 7110 USSR R. Moscow; 0630-0700 EE, nx, cmntry (McKrell).
- 7110 MALI R. Mali; *0800 on Sundays in Vernacs & a little FF (Willis-Australia)
- 7120 ALBANIA R. Peking Relay; 0100-0130 EE, nx, cmntry on USA economy (Hoffman)
7121. SOMALI REP R. Hargeisa; 1600 Somali. How do we really know this is Hargeisa and not the normal R. Mogadishu down from 7160? No // hrd on 25m. YL nx. G (Shaw).
- 7125 GUINEA L.V. de la Rev.; 0817 FF, Afro mx, Id's (McCoy).
- 7125 ISREAL IBA; 1800 RR, 1900 RR to 1955*. Strong but jammed. (Behr).
- 7125 POLAND R. Warsaw; 1500 GG, 1530 Finn., 1600 EE; Good (Behr).
- 7130v MALAWI MBC; 1607 Swahili-type lang. Good. Dramatic reading by two men, tribal singing. DW QRM at 1625. At 1708 rechecked, MBC drifted down to 7129½ (Hill).
- 7135 USSR (Asian?); 1130-1145 RR, Mayak IS, nx, mx (Earhart).
- 7140n GREECE EIRT; *0800 Greek & other lang. Excel. (Willis-Australia).
7145. ALGERIA Voz de la Resistencia; 2300-2400* SS, for Chile (Behr, Zilmer).
- 7145v LAOS Lao. Nat. R.; 1215 Lao., local mx, nx at 1230 (Tuchscherer) 1300-1330 FF, and new EE px fm 1330-1400. Not // to 6130 which has Lao px's. (Willis-Australia)
- 7150 USSR R. Moscow; 0130 EE, nx, cmntry & mx prg. (Hoffman).
- 7155 HUNGARY R. Budapest; 1225-1238* EE, xmas mx cmntry (Earhart).
- 7165 RYUKYU IS. VOA; 1200 EE, Nx, cmntry (Ball). 1059; ID & nx (Dunn).
- 7170 NEW CALEDONIA R. Noumea; 0715-0800 FF, Tx & pop mx. (Schwartz, Ball).
- 7185+ BURMA BBS; *0030 w/exotic orchestral mx, W anncr, mx (Hill).
- 7190 YEMEN (PDR) DYBS; *1900-2200* AA, nx, tlk, mx, Koran reading. (Behr, Carr, Slaff, Ball, Zilmer, Gress).
- 7195 ROMANIA R. Bucharest; TT, Arabic type mx 1345-1355* (Earhart). 1930-2030; EE nx,
- 7195 ALGERIA RTA; 0645-0830 AA//6145 (0800-0830). Mx & tlk. (Pollard) (Aston,Ball)
- 7200 USSR (Asian) Vladivostok; 1255-1310 RR, mx to 1259 then Mayak IS, nx (Earhart).
- 7200 SUDAN R. Omdurman; 2145-2210 AA, tlk, chanting (Schwarz). t.0720-0940 AA, no nx
- 0600 per WRTVH but nx at 0730. TLK, phone prg. (Pollard).
- 7205 USSR R. Kiev; 0030 EE, interview w/American students in Kiev (Hoffman).
- 7205 USSR R. Moscow; 0310-0320 EE, Thursday DX prg. (Conover).

- 7210 CHAD Rdf. Nat. Tchadienne; 1600 AA & FA, chanting, flutes, drums, Strong. Undoubtedly last months unidentified by Hardester (Shaw).
- 7215 BRUNEI R. Brunei; 1159-1225 EE, Id, orchestra mx (Schwarz).
- 7215r GREECE BIRT; *1400 S/on in Greek. Excellent (Willis-Australia).
- 7220 ROMANCE VOA Relay; 0415 Hungarian (?) w/ET ID & IS (Aston).
- 7220 AUSTRALIA ABC-Sydney; 1101 FE, nx about Timor (Dunn).
- 7220 UNID; 0145-0158 AA, mx, YL singing, 0200 nx. Fair but bad QRM 1/8 (Shingler).
- 7220 HUNGARY R. BUDAPEST; 0410 EE, DX prg. All freq. announced except this one (Dunn).
- 7225 TUNISIA RTVT; 2235-2330* AA, tlk, lcl mx, chanting (Schwarz).
- 7225 PHILIPPINES FEBC; 1145 JJ (?), IS, ID, rel. prg. (Fitts).
- 7225 RWANDA DW-Relay; 0413-0450 Swahili & EE, tlk, nx, mx (Thompson, Miller).
- 7235 MONGOLIA Ulan Bator R.; 1620 sharp strike org and flute mx, OM voice, then YL (probably sta. ID), 5 min of nx, 10 min mx. ABC QRM. Nothing on 7260 (Shaw).
- 7239+ SWAZILAND TWR; 1542 PP relig pgm. Off at 1600. Again 1652 tune-in past 1730 in vernacular, several African-style hymns & xmas mx. May be 4th new xmas. (Hill).
- 7245 USSR R. Kiev; 0325-0345 EE, gave frequencies & times, IS into Lang. prg. (Aston).
- 7245 ALGERIA RTA; 0700-0830 FF ID as 'Voici la Radio-television Algerienne' (Pollard).
- 7250 UNID. 0307 Koran, 0333 AA anct, lcl vocal. AA nx at 0402. 12/12 only. Might be Sanna, which is known to cruise the 41mb without lighting on a channel very long. (Hill).
- 7252a GUINEA La. V. de la Rev; 0401-0436 FF Speech by M (Mitchell).
- 7270 SOUTH AFRICA RSA; 0345-0410 EE 'Good Morning Africa' pgm, pop mx (Ball, Schwarz). *0430; in Lozi. (Willis-Australia). 2050; IS - only SWBC signal on whole band (Hill)
- 7275 TUNISIA RTVT; 0640 AA, Chant, OM w/Id (Mayer).
- 7280n ALBANIA R. Tirana; 1530 signing on in unid. lang. (Willis-Australia).
- 7282 GREECE EIRT (Athens or Salonika?); 1930 Grk pgm past 2000 (Behr).
- 7290 USSR (Asian) UNID.; 1320-1332 RR, M & P anncr, piano mx. Mayak IS at 1329 (Earhart)
- 7300 YEMEN R. Sanaa; 2133-2158* AA lcl chants, announcements & nx (Schwarz). 0630; AA, mx & cntry (Leffler).
- 7305 CHINA-CLANDESTINE V. of Malayan Rev; 2300 CC, 2320 Tamil mx//1579? (Behr, Hill).
- 7330 USSR (Asian?) Unid.; 1315-1325 RR, mx and female anncr. (Earhart).
- 7335 CHINA R. Peking; 1307 CC, IS at 1330. CHU & ?? Russian QRM (McCoy).
- 7345 CZECHOSLOVAKIA R. Prague; 1900 EE, Czech folk mx (Ball). *0100-0121 EE, IS, ID, nx, cntry on CIA, mx, etc. (Wockner, McKrell).
- 7370n USSR (FAR EAST) R. Moscow; 1310 HE//7350 (Willis-Australia).
- 7375 CHINA R. Peking; *2329 CC, IS, ID BIR, tlk. Not// HE 11330 nor HBIT 10260 nor Amoy PG (9945), and no other CC xmas scheduled this time per BEGIS. (Hill).
- 7375 UNID; 1342, Tlk & singing in non-CC tone lang. Could it be Hanoi? (Good bet) (McCoy)
- 7384 LAOS; Lao station as late as 1600. No longer Id as 'Voice of Peaceful Laos'. This means that there are four fr. on air from Laos (6130, 7143, 4235) (Willis-Australia)
- 7395 ISRAEL IBA; 0500-0515 EE, nx & cntry. 0515 FF. (Hoffman).
- 7412.4 ISRAEL IBA; *0500 in EE//7395 (Willis-Australia).
- 7440n USSR R. Moscow HE; 1450-1600//7420, 7410, 7390 (Willis-Australia).
- 7462.5 ISRAEL IBA; 1900 Hebrew HE to 23:05*. (Behr, Slaff).
- 7500 AUSTRALIA WIG; 1149-1216 EE w/pips (Moritz).
- 9009 ISRAEL IBA; 2005-2045 EE, World nx, music to Africa. (Zilmer, Yajko).
- 9022 IRAN VOI; 2000-2030 EE ID, nx, etc. (Hulvey, Slaff, Ware).
- 9400 ISRAEL IBA; 2250-2305 Hebrew HE, tlk, mx, etc. (Zilmer).
- 9450 USSR Unid.; 2005-2030 RR w/operatic selections (Tuchscherer).
- 9460 CHINA R. Peking; 0315-0355* EE, nx, piano mx, Id's, talk on oil prod. (Thompson).
- 9480 ALBANIA R. Tirana; 2015 EE, R. Cairo QRM (D. Walcutt).
- 9485 FRANCE RFI; 2025 FF, RTTY QRM on lower side (D. Walcutt).
- 9495 ISRAEL IBA; *2000 EE "Jerusalem Calling, 2030 "Song & Prayer" (D. Walcutt).
- 9500 ALBANIA R. Tirana; 1750-1758* EE, tlk about five year plan, Id's (Aston).
- 9505 JAPAN R. Japan; *0600-0630 EE/JJ, Nx, 'Current Topics' prg, etc. (McKrell).
- 9505 SUDAN R. Omdurman; 2102 AA, Tlk, mx, Koran chants, poss. s/off 2202 (McCoy).
- 9510a UNID; 0010 EE, "Review of Today's Arabic Press," by OM. Turkey doesn't think of themselves as Arabic & nowhere in their sked is a review of AA press listed (Slaff)
- 9510n KOREA-NORTH R. Pyongyang; //9420 in EE at 1343 cntry about 'Great Leader'. Off 1350 after usual anthem; back 1400 in FF while 9420 switched to RR. (Hill).
- 9510 TAIWAN VOPC; 2130-2230* JJ pgm//9575, 11825 (Behr).
- 9510 VENEZUELA R. Barquisimeto International; SS 2210-2230, Id's, mx (Helms, Thompson 1225-1255; SS mx with frequent ID's (Lausevich).
- 9515 TURKEY VOT; EE nx, cntry, nx *2200-2302 (Lausevich, Thompson, Pearson, Alder).
- 9520 GREECE V. of Greece; 1500-1550* Grk, flute IS, nx, EE ID at 1517, mention of N. Am listeners, mx then Greek prg. (Whitacre, Tuchscherer). *0200-0230 EE, ID, IS, tlk by W, 0215 mx. Het..Jammer (maybe for R. Liberty?) (Mitchell).
- 9520 NEW ZEALAND RNZ; 0504 EE, Nx to Pacific Islands (Carr). 0950 EE, Pop mx, nx (Yajko)
- 9525 INDIA AIR; 1930 EE cntry, pop mx (Miller). 2200-2230* EE nx, cntry /// (Moritz) on life in India, "Mainly for Tourists" pgm. (D. Walcutt, Zilmer, Conover).
- 9535 ANGOLA Emisora Nacional; 0530 excited male tlk w/crowd shouts, etc.; much Marxist lingo, "Comrades", "Our Struggle", etc. Good. (Helms).
- 9535 FRANCE RFI; *0400-0500* FF over Angola (Willis-Australia).
- 9540 UZBEK SSR R. Tashkent; 1200-1215//9600 EE ID w/nx & cntry (Conover).
- 9545 BYELORUSSIA SSR R. Moscow; 1432-1450, OM & YL in RR? RR class. mx. (Schwarz).

- 9550 TANZANIA R.T.; 0600-0800 & 1300-1400 in Swahili. Easy signal (Willis-Australia).
- 9560 JORDAN R. JORDAN; 1615-1730* EE nx, cmntry, ID, pop mx (Cress, Moritz, J. Mulvey, Whitacre, Pitts, Pollard, and Miller).
- 9560 SOUTH AFRICA SABC; 1615/in class mx in Afrikaans. IS (Dove call) per RCI IS Tape.
- 9560 AUSTRALIA R. Australia; 1425-1430* EE ID, IS at s/off (Zilmer). (Whitacre).
- 9560 ECUADOR HCJB; 0230-0300 EE "DX PARTY LINE" (McKrell).
- 9562 PERU R. Nacional de Peru (OAK4R); 1100 SS tlk & Peruvian style mx (Zilmer).
- 9565 CHILE Voice of Chile; 0150 EE cmntry, frequencies/schedule, IS (W. Smith).
- 9570 QATAR Qatar Bc. Ser; 1320-1410 AA, native mx, tlk between mx, YL & OM taking turns talking (Moritz, Schwarz, Miller).
- 9575 CANADA RCI; *2100 EE, IS, mx, nx, Mag. prg. Ann. freq is 9600, nothing there (Merklín)
- 9575 NIGERIA RTV Kaduna; 2200 Hausa, ex 9569//6090, tlk & chorus (Behr, Hill).
- 9580 ZAMBIA R. Zambia; 1550 Bird Call, march mx, anncts in vernacs and EE (Willis-Australia). 2031; EE nx, Afro. choral mx, cmntry, ID's & TC's (McCoy).
- 9580 ZAMBIA-CLANDESTINE "KWACHA-ANGOLA"; *2000-2050 EE tlk by UNITA rep. about Angola, very anti-MPLA pro FRELMO but surprisingly conciliatory. 2046 ID and Zambian nx. //6060, 7235, 6185. (Mayer, Pollard).
- 9580 SOUTH AFRICA RSA; 0335 EE, tlk, mx, ID's. (Aston).
- 9580 AUSTRALIA R. Australia; *1115-1215 EE, IS, ID to USA (Gercken, Hoffman).
- 9580 PHILIPPINES Voice of Philippines; 1410-1553 EE, N, Mx, Id, sports (details of Alabama-Penn State game) (Alder, Miller, Mitchell).
- 9585 SOMALIA R. Mogadishu; 1100-1700 with AA at 1600. Excellent (Willis-Australia).
- 9585n NEW ZEALAND RNZ; *0545 ex 9540//11780 N, W, shipping mx, sport news, ID's, etc. Bird IS at 0545. (Ball, D. Walcutt, Mayer, Willis-Australia).
- 9585nf SOUTH AFRICA RSA; *2230-2320 EE nx, cmntry, "P.O. Box 4559". Replaces 9525 for N. America. (Schwarz, McKrell, Zilmer, Hoffman) *0430 in Lozi (Willis-Australia).
- 9590 CHILE R. Pres. Balmaceda; 0052-0130 SS ID's ads, pop mx (Yajko, Gaffin).
- 9590 NORWAY R. Norway; 1400 EE nx (Zilmer).
- 9593 BRAZIL R. Cultural de Bahia; 0135-0145* PP sports events then suddenly off w/no anns (Moritz). 0915 PP tlk (Ball).
- 9595a SOUTH AFRICA RSA; 0252//5980 EE, IS, ID, NA. (Merklín). (I believe should be 9585).
- 9600 TAIWAN BCC; 1145-1150 w/BCC chimes on this cluttered freq, with what seemed CC ann. between playings of the IS but difficult to be sure because Australia, Korea, Urumchi and Tashkent all use 9600. Test transmission? (12/18) (Hill).
- 9600m SPAIN RNE; 1730 AA, 1800 SS, 18:30 AA, 1900 SS//7195 QRM. (Behr).
- 9605m VATICAN CITY Vaticano R.; 0110 EE nx, ID (Schwarz).
- 9605 SWEDEN R. Sweden; 1322 Swedish tlk & ID (Conover) 2315-2328* EE cmntry ID. (Pitts)
- 9610 AUSTRALIA ABC-Perth; 1445-1602* EE ID, nx, wx, class. mx (Conover, Ball).
- 9610 NORWAY R. Norway; 1700 Norwegian, IS, nx. (Mayer).
- 9611 ETHIOPIA R. Ethiopia; 1645 in Amharic (not EE per WTVH); fair level but QRM from DW on 9610. (Hill). Ernie Behr; I believe this is the Unid. you heard 1600-1904*.
- 9615 MOROCCO RTM; 1945-2200+. 15 note march like-IS of sort before nx 2000 (Pollard).
- 9620 MOZAMBIQUE R. Mozambique; unfortunate, as it merely adds to the jumble there and eliminates any faint possibility of Abu Dhabi around 1400-1600 12/16 (Hill).
- 9620 ENGLAND VOA Relay; *2000 EE, Yankee Doodle, Id, nx under RNE (Gaffin).
- 9625 EGYPT R. Cairo; 0130 FF but QRM. (D. Walcutt).
- 9635 BRAZIL R. Aparecida; 0920 PP, light mx, some QRM from RCI-9625 (Ball).
- 9635 SINGAPORE R. Singapore; 0100-0400+ w/EE 0200-0210 (Padula-Australia).
- 9640 SPAIN RNE; 2154 SS, IS, mx, TC, ID, mx (Merklín).
- 9640 KOREA-SOUTH R. Korea; 1110-1130 EE nx, cmntry & mx//9600 (Moritz).
- 9645 BRAZIL R. Bandeirantes; 1001 PP, Id, comls, tes, tlk (Jones).
- 9645 COSTA RICA TIPC; 0343-0417* EE, Id, mx, religious prg., "Way of Life", TIPC's other frequencies are 1075 mw, 6175, 9645 and 97.1 FM (Dunn, Jones, Aston, Moritz).
- 9648 CHILE R. Yungay; 2315-0255* SS, pop mx, Id's as "CB146" (?) and no mention of Yungay. New Name? (Behr, Tuchscherer).
- 9647 THAILAND R. Thailand; drifting from 9655. Malay at 1240. No sign of Tac Bac on 9646 (Willis-Australia). 0920-0947t, unid Lang. M & W anners, mx, 15 note IS 0927-0929 then several mentions of Thailand and one of Bangkok. F. 12/12 (Hardester)
- 9653 UNID; 1250, super-fluttery and weak. 1258 may have been subcontinental vocal; 1300 three sets of double-dit time pips, then W in what vaguely sounded FF, Pakistan? (Hill)
- 9660 VENEZUELA R. Rumbos; 0100 SS Id's & tlk (Yajko). 0452 SS Id's (Alder).
- 9660 GREAT BRITAIN BBC; special freq. 0900-1000 on Christmas Day only for the World Svce s/on 0900 and broadcast of the Queens speech 0930. This freq. normally doesn't come into use until 1100. Believe that the BBC had as many extra txers on the air for the Queen's Speech as they could! (Padula-Australia).
- 9665 GERMANY-EAST RRI; 2230-2245 PP unlisted in RBI sked. (Padula-Australia).
- 9670 PORTUGAL IBERA 2030-2110 in EE. Adventist World Radio at 2100 in EE & FF Id, then a program in Hungarian (M. Smith).
- 9675 BRAZIL R. Diario de Manha; 0900-0930 PP Id, Tc, nx, mx (Ball, Pollard).
- 9675 PERU R. Del Pacifico; *1103 SS Id into "El Condor Pasa" (Moritz). 1010-1022 SS ann. Id at 1015. (Carr).
- 9685 USSR (Irkutsk?) R. Sta. Atlantika; 1256-1305 IS into RR Id followed by "Sunrise Sunset" (Moritz).
- 9690 ARGENTINA RAB; 0330-0358 EE, mx, rpt. on welfare in Argentina. EE into SS at 0358. (Jones, Pearson). 0730-0800 SS w/EE pop mx (Padula-Australia).

- 9695 SWEDEN R. Sweden; 0240-0300 EE, Panorama & Stamp Forum (Mitchell).
 9695 AUSTRALIA ABC (Shepparton); 0820-0835 Indonesian, pop mx, Id, nx. (Barhart).
 9705 INDIA AIR; *0130, Indian lang. into Tibetan 0215 via daylight path (Padula-Austra.
 9705 MEXICO R. Mexico; 1333 SS Id, march mx, tlk, mx (Jones). 2252 SS, L.A. mx (Yajko)
 9710 KIRGHIZ SSR R. Moscow; 2015-2029 SS, 2030 FF, YL & OM, many short segments of
 classical mx (Schwarz). 1755 mx, Id. 1758 IS, 1800 nx. (McCoy).
 9710 SOUTH AFRICA SABC; 0545 EE cigarette ads, subdued rock, OM & YL annrcs. (Helms).
 0620-0638 EE, mx & adds till R. Netherland QRM at 0626 (Barhart). 1458 EE//11935
 over asian stations (Willis-Australia).
 9710 ITALY RAI; 0302 Italian, piano mx, Id, IS into SS at 0305 (Miller).
 9710 INDONESIA (Jakarta) RRI; 0030-0100 CC into external svc. in Indonesian 0100.
 (Padula-Australia).
 9715 NETHERLAND ANTILLES R. Netherland; 0526 EE w/DX Juke Box (Conover). 0835-0845 EE
 to Australia with interviews with a Baron & a marble champion (Barhart).
 9715 PHILIPPINES FEBC; 1516-1555 CC, tlk, relig. mx. (Mitchell).
 9715 KUWAIT R. Kuwait; 1640-1650 AA mx and tlk by man (Moritz).
 9715 ECUADOR HCJB; 1201-1210* Japanese. Tlk & xmas mx. (Barhart).
 9720 SRI LANKA SLBC; 0125-0200 EE, piano mx, Id, 'Back to Bible' prg. (Pollard, Padula-
 Australia). 1430-1527 EE, 'World Radio Hour', Id, pop mx (The Story of Mohamed
 Ali) (Moritz, Shingler, Ware). 1907-2000EE, mx, tk, Tp, Id's (Mitchell).
 9725 SWITZERLAND SBC; 0145 EE, Id's, TC, 'Dateline' px (Slaff).
 9729 BURMA BBS; 0440-0600 in Burmese, mx ex 9725, (Willis & Padula-Australia).
 9730 UGANDA UBC; 2030-2100* EE, Id, cmntry, mx (Pitts, Helms, Mulvey, Ball, Slaff,
 W. Smith, Ware, Alder).
 9730 SAUDI ARABIA RSKSA; 2015-2045 AA, mx, ann. by OM & YL (Schwarz).
 9735 GERMANY-WEST DM; 0400 (?) lang. Id, IS and nx. (Aston).
 9740 MALAYSIA BCC Relay; 1300-1346 EE, world nx & World Radio Club (Caffin). 1600 EE
 'Radio Newsreel' (Bell).
 9740 UNID; AA 1345, anct at 1400 seemed Id for Saudi Arabia dominating Tebrau at that
 time. 12/17 (Hill).
 9740 GREECE-VOA Relay (Kavalla); 0220 in Urdu. Excellent signals. (Padula-Australia).
 9745 AUSTRIA ORF; 1558-1606 GG, IS, ID, nx (Mitchell).
 9745 IRAQ R. Baghdad; 1935 EE, ID's by YL, nx. Over-modulated (Slaff).
 9750 TANZANIA R. Tanzania; 1430-1454* EE, mx & tlk on African politics (Schwarz, Willis).
 9750 AUSTRALIA RA; 1330 JJ. High Power. (Willis-Australia).
 9750 CHILE R. Minería; 1008-1045 SS nx, xmas mx, TC's (Caffin).
 9750 MEXICO UNID; 2040-2100 SS, x-mas mx, gave QRM in Mexico "Respondo-Mexico-Uno-
 Mexico" (Lausevich).
 9750 SWEDEN R. Sweden; 1400 ER ex 9765//11735, 15305 w/Jazz mx to S. Asia (Zilmer).
 9755 GERMANY-EAST RFI; 2030 Grk. This service in Greek was introduced recently accord.
 to RFI sked and BECHS but unheard until now (Padula-Australia).
 9755 POLAND Warsaw HS; 0835-0930 with AFRTS QRM (Padula-Australia).
 9758 IRAQ R. Baghdad; ex 9745 w/EE 2015. GG at 2030 & FF 2110 (Behr, Padula-Australia).
 9757 SUNID; AA at 1215. Could this be Baghdad? (Hill).
 9760 JAPAN NSB; 0206 in Jap. Different to 9595 px. (Padula-Australia).
 9770 AUSTRALIA R. Australia; 1245 EE. Believe this is High power tx (Padula-Australia)
 9770 HATTI 4VMH; 1200-1230 EE, nx, marine weather, ID's. Heavy QRM (Hoffman). 1940 EE
 tlk about Angola (Slaff).
 9780 YEMEN (Arab Republic) R. Sanaa; 1700-2158* AA nx, Id, mx, orchestra and cheers.
 (Behr, Pollard, Miller, Mayer). 0500-1600 AA (tentative) (Willis-Australia).
 9780 USSR R. Kiev; *0300-0315 EE s/on into nx (Hardester).
 9815 ISREAL IBA; EE 2015 with news and cmntry. (Schwarz).
 9805 EGYPT R. Cairo; 2250-2254 EE (Alder) -sorry, out of order-
 9838 USA BEC via VOA (Delano); 0405-0415* SS. BEC s/of then VOA s/off (Hardester).
 9840 AZERBAIDJAN SSR R. Baku; 1610 Turkish. OM w/news, Mid-East mx. (Mayer).
 9912 INDIA AIR; 2044 EE Program notes (Yajko).
 9940 CHINA R. Peking; 0000 s/on IS, ID for NA service and information on Chinese
 medicine, Nx. (Schwarz).
 10060 VIETNAM (Hanoi); 0200 to 1600+ which makes interesting daytime reception for
 Australia (i.e. 0200) (Willis-Australia).
 10530 KAZAKH SSR R. Alma Ata; *1900-1932*. Open w/pretty IS (kinda like R. Moscow
 but not). Tlk by M&W. S-off w/NA. P-G (Cress).
 11535 KOREA-NORTH R. Pyongyang; 2303 EE tlk by YL. Happy New Year wishes, mx. Polar
 flutter (Helms, Schwarz).
 11645 ISREAL IBA; 2045 EE 'Jerusalem-Calling' (Zilmer).
 11647 SOMALIA R. Hargeisa; 1530-1600 in Somali w/ ID. ex 11663. *1400. (Willis-
 Australia). Is anyone else hearing this? Nice Catch!
 11655 ISREAL IBA; 1215 EE, program on politics (Zilmer).
 11695 BULGARIA-CLANDESTINE PEYK-B-IRAN (DESTINY OF IRAN); 1515-1532 Farsi w/tlk, Id's,
 and short classical mx selections. Strong. (Moritz).

HELPING HAND: For Sale Hallicrafters SX-130 used to nail down many SWBc/UTE countries,
 make offer, contact Steve Handler, P.O. Box 253, Deerfield, IL 60015.

WORLD UTILITY HANDBOOK: A new edition of the World Utility Handbook will be released
 March 1, 1976. The price before Feb. 25th is \$3.95 after Feb 25th \$4.95, order from:
 Handler Enterprises, P.O. Box 253, Deerfield, IL 60015.

LOG REPORT C

continues.....

Here are a couple last minute tips sent in by Bob Padula-Australia:

- 9460 PAKISTAN R. Pakistan; 0130-0215+ Bangla service with national mx and anncts. Interesting daylight propagation during Australian mid-summer.
- 9540 AUSTRALIA R. Australia (Canarvon); continous testing with taped local Id's in English at 0745, into normal RA programming 0800 when takes relay of Indonesian service. R. Moscow QRU.
- 9620 VICTNAM Liberation R. (Saigon); 0200 peaking 0230 VV tlks, Strong at times. and this item just received from the FRIENDX "DX HOPLINE":
- 7121 SOMALIA R. Mogadiscio; Ided as such at 1500, no doubt. Report of Hargeisa on this frequency at this time are incorrect! (Craig Tyson-Australia) Darn!

With the changing of editor-sections, some reports did not arrive in time for the February FRIENDX Log-Report-C. They will be included in the March report. Thank you very much to all of you who reported!

BELGIUM

In March, station ORU, Brussels, Belgium will drop most SWBC except English to Africa and French to Belgians living in other countries. In cooperation with ANARC - The Association of North American Radio Clubs, the European DX Council asks all DX-ers in the Americas and Europe to send in their protests to: Radio Television Belgium-International Service
M. Mignon
B.P. 26
B-1000 Brussels, Belgium.

This information is from Sweden Calling DX-ers (#1354), S-105 10, Stockholm, Sweden and from Radio Nederland DX Juke Box!



JAPAN

Another series of Radio Station identifications and interval signals is available on three cassette tapes from the: Nippon Broadcasting System Project, Ltd.
9-3, 1-Chome, Yuraku-Cho, Chiyoda-Ku
Tokyo, Japan

The cost of the tapes of 131 stations is \$20. If you are interested in these excellent quality recordings, write to the above address.

- + If you have any suggestions, comments, or feed-back, please send them!
- + Remember, all reports now go to our Distribution Editor: Greg Ravenhorst.
- + My address, incase you are interested is 16920 17th Avenue North, Wayzata, Minnesota 55391. Phone # 612-473-4515 (Between 0400-0600 GMT).

I wish to thank Mac Leonhardt, Alan Mayer, Ed Shaw, and Kent Corson for all of their help and assistance!
Until next month,

73,
Tom

Tom Gavaras

PUBLISHERS' NOTES: LOG REPORT, Section A did not arrive in time for publication this month. It should return next month. We have included in this issue the "WRTH" of 1935 from Shortwave Craft Magazine.

SILLI DXers MEET: The first impromptu meeting of the SILLI DXers (Southern Illinois DXers.) was held January 17, 1976 at Denny's restaurant in Carbondale, Illinois, those attending were DXers Mark Haskell, Diane Levesque, Andris Straumanis, Steven John Taaffe, and David Walcutt.

Log

-Editor Sec. D: Tom Overcamp

Route 2 Box CG71, Seneca, SC 29678



Report

- 11705 FRANCE RFI; 1745-1800 EE, Paris Calling Africa, into FF at 1800 (Pitts)
- 11705 SWEDEN RS; 2358 ID, IS, SS pgm to LA, under NHK, poor (Zilmer)
- 11705 JAPAN NHK; 2345 EE to ECNA, fair (Ball 12/12)
- 11710 ARGENTINA RAE; 2310 SS tlk, mx (Beaudoin 12/20)
- 11725 AUSTRALIA RA; 1900-1915, TC as 2000 GMT, nx, correction of TC, mx (Pitts 1/3)
- 11728.6 SPAIN RNE; 1258 SS ID, Excellent (Willis-AUST)
- 11730 MALGASY REP RN-Talata; 2100 -2120 EE, nx, mx "World of Science" ID as Madagascar tx site (Thompson 12/18, Brown 1/3)
- 11730 NETH ANTILLES RN-Bonaire; *0630 EE to NZ, Exc. (Cohen 1/3)
- 11732NF W. IRIAN RRI-Jayapura; 0500 w/ ID, Exc. (Willis-AUST)
- 11735 SWEDEN RS; 1400 EE, jazz mx to S As, //9750 and 15305, Fair, (Zilmer 12/26)
- 11745NF SWITZERLAND SBC; 1315 EE, Excellent (Willis-AUST)
- 11750 MALAYSIA BBC-Tebrau; 1200 EE pgm, Poor (Overcamp 12/13)
- 11760 CUBA RHC; 0330-0415 EE, nx, cmntry, guitar mx, vocals (Thompson) 2300 SS, IS and ID, nx, QRM from VOA (Aston 1/4)
- 11765 USSR RP&P; 1230-1258* EE, nx, cmntry, Poor (Overcamp 12/31)
- 11770 ENGLAND BBC; 1230 EE by Radio for Europe and USSR (Overcamp 1/1)
- 11775 INDIA AIR; 1000 EE pgm (Beaudoin)
- 11775 SPAIN RNE; 0130 SS, ID, tlks, Good (Overcamp 12-21)
- 11780 BRAZIL R Nac; 2110-2115 EE tlk on Brazil, ex 15245 (Padula-AUST)
- 11780 NEW ZEALAND RNZ; 0547-0740 EE, nx, wx, sports, mx, etc. anned //9585 (Cohen, Slaff, Brown); 1736 EE nx, pop mx (Pitts, Detlefn)
- 11780NF SAUDI ARABIA Riyadh; 1815-1830 AA, ex 11865 (Padula-AUST 12/12)
- 11785 BRAZIL R Guaiba; 2335-2345 PP, ID, tlk, nx, TC, Good (Slaff)
- 11785 SEYCHELLES FEBA; 0330-0400* noted past usual s/off, unid lang, relig pgm to 0359, EE ID, TC, IS, s/off (Padula-AUST 12-12)
- 11790 ROMANIA RB; 1745-1756 EE, "Letterbox," QRM from DW-11795 until 1750 (Aston 12-14)
- 11790 NETH ANTILLES TWR; 0230 SS ID, Good (Overcamp)
- 11805RF SPANISH SAHARA RS-El Aoun, *0700 SS and AA (Willis-AUST); *0800 SS, ex 11950 (Padula-AUST) -BBC MS via DXH says it ceased 12/13.
- 11805 BRAZIL R Globo; 0910-0925 PP tlks, Xmas greetings, mx (Gaffin)
- 11810 W. GERMANY DW; 1735-1745 EE African Service, GG ID at 1745 w/ apparent s/off. Poor. (Aston 12-15)
- 11815 TAIWAN BCC; 1300 CC tlk by M and W (Conover 12/31)
- 11825 TAHITI RT; 0320-0340 Tahitian, guitar and EE mx, Fair (Thompson)
- 11825 TAIWAN BCC; 1920-1930 EE, mx, poetry, ID (Pitts 1/1)
- 11830 ETHIOPIA ELTP; 1944-2030* EE nx, rel mx request show, rel. pgm, ID and sked (Slaff 12/20, Conover 12/31)
- 11830 CIANDESTINE V Malayan Revolution; 0500, presume Malay, unusual daytime reception (Willis-AUST)
- 11830 USA VOA-Dixon; 0030 EE nx to LA (Overcamp)
- 11835T SUDAN R Omdurman; 1700-1730 AA, tent. ID, nx mx (Pitts 1/3)
- 11835 HAITI 4Veh; 2325 SS rel pgm w/ EE ID (Pitts 12/24); 1730 EE, "Unshackled." Fair (Overcamp 1/15); 0028 EE, sked, IS (Slaff 12/10); 1830-1946, Xmas pgm (Cohen, Conover 12/15)
- 11835 URUGUAY R El Espectador; 0148-0230 SS, futbol, Fair until HCJB s/on 0229 (Gaffin 12/15)
- 11835 ECUADOR HCJB; 0300 RR, ID rel pgm, severe fading, Poor (O'omp)

- 11845 USSR ESP&P; 1245 EE, ID cmntry, mx (Cohen12/21)
 11850 GHANA RG; 2035 EE, African mx (Mulvey 12/13)
 11860NF CANADA RCI; 2145-2158* EE to Eu, ex 11895 (Padula-AUST 12/24)
 11865 CANADA RCI; 1850-1900 EE to Af, FF at 1900 (Overcamp 1/18)
 11865 SAUDI ARABIA BSKSA; 1844-1903 AA, non-stop AA music except for
 anncmts at 1900 (Moritz 12-23)
 11870NF AUSTRALIA RA-Shepparton; 2315 EE to SEA, moved from 11940 to
 avoid Singapore after 2230. S/on sked for 2200 (Padula-AUST 12/19)
 11870NF INDIA AIR; *1030, sounded like Hindi, under RM (Willis-AUST)
 11870 SWITZERLAND SBC; 1315-1345 EE, "Dateline" to E AS (Zilmer 12/17)
 11880 SPAIN RNE; *0300-0345* EE nx, mx, cmntry (?); 0040* EE nx, Fair
 (Cohen 1/4); 0230 EE (Willis-AUST)
 11890T OMAN OBC; 0500-1400* (Willis-AUST)
 11890 ETHIOPIA ELTP; 1625-1641* AA pgm, W tlks and piano mx, EE ID
 at 1639 w/ "Good Night," Poor (Whitacre 12/10)
 11890A FRANCE RFI; 1724-1756* EE to Af, Haitian mx, nx, anncd freq as
 1197?, Fair w/ fading (Detfelsen 12/30) (Brown)
 11895 NORWAY RN; 1448-1501+ NN, IS until 1500, EE ID into NN pgm
 11900 SOUTH AFRICA RSA; 2100-2145 EE to Eu, nx, cmntry (Ball 12/18,
 Slaff 12/27); 2307 EE, DX Corner, //11970 (Cohen 12/24)
 11900 ETHIOPIA ELTP; 1435-1502* Hindi tlk, Hindi mx, s/off w/ EE ID
 (Moritz 1/3)
 11905NF ITALY RAI; 2110 Ital to Australia, ex 11800 (Padula-AUST 12/12);
 1830 lang, IS, ID's by M&W, tlk, Fair (Aston 12-14)
 11905 W. GERMANY DW; 1930 EE, nx, cmntry, Poor (Zilmer 1/1)
 11905 THAILAND RT; 0945-0948 Laotian, As mx. Also believe that unid
 pgm on 11905 w/ EE tlks 0030-0115 is Bangkok, //9650, QRM from
 Taipei 11905v, agrees w/ SCDX 1355. (Padula-AUST 12/5)
 11913.4 EGYPT R Cairo; 1500 Sudanese pgm, //15134, Good (Willis-AUST)
 11915 LIBERIA VOA-Monrovia; 1900 EE ID into lang (Cohen 12/20); 2015-
 2100 EE, Willis Conover, "VOA Jazz Hour," (Overcamp 1/1)
 11915 ECUADOR HCJB; 0235-0300 EE, "DX Party Line," Good (Overcamp 1/15)
 11920 IVORY COAST RTVI; 1850-2000 EE, Af mx, nx at 1915, tlk (Cohen
 12/20, Conover 12/12); (T) 2200 FF, nx, pos ID, mx, f/o at 2230
 (Slaff 12/20) - EE sked 1900-2000 on Mon-Sat - ed.
 11925 UZBEK R Tashkent; 1219 EE pgm, Good (Beaudoin 12/21)
 11925T BRAZIL R Bandeirantes; 0200 PP, mentions Brazil, EL mx (Overcamp)
 11925 NETH ANTILLES TWR; *0030 , ID, pgm to Far East, Good (Overcamp)
 11935 SOUTH AFRICA SABC-Springbok; 1458, ID, //9710 (Willis-AUST)
 11935 BRAZIL R CI Paranaense; 0115-0130 PP, rapid tlks, ID, F (O'camp)
 11935 USA UNR-Greenville; 2203-2245* EE/FF, Security Council meeting
 on Timor w/ tlk by rep from "D P Rep E. Timor," clas mx, VOA ID
 at s/off (Gaffin 12/22)
 11940 AUSTRALIA RA-Shepparton; ex 11930, now 11870, see above (Padula)
 11940 SINGAPORE RS; 0200-1500 EE, "Always easy now, noticeable better
 than last year," (Willis-AUST) - ECNA not quite that good, h1 -ed
 11940 KUWAIT RK; 1800-1830 EE, Hit Parade, "Making of a Saint," series
 Fair (Brown 1/2)
 11940T FRANCE RFI; 1535, tent IS, FF and lang in Af Ser(Whitacre 12/11)
 11943V THAILAND RT; 0500 in EE, 1020 in Thai, announces 11905 (Willis-AU)
 11945 ENGLAND BBC; 0900-1000 EE, special Xmas Day w/ Queen's speech,
 not normally on this freq on this time (Padula-AUST 12/25); 1145-
 1200+ EE, "Books in Focus" lang at 1200 (Overcamp 12/23)
 11955 LIBERIA VOA-Monrovia; 2120-2135, Hngn, EE ID, into Polish, Fair
 (Gaffin 12/22) /AUST)
 11959 MALI Bamako; *0800, brass band anthem, Sundays, Good (Willis-
 11965 FRANCE RFI; 1710-1730 EE, Paris Calling Africa, nx, etc, //11930
 11890, 11705, 9740, Fair (Aston 12/15, Zilmer 12/26)
 11965NF AUSTRALIA RA; 1600 EE, Excellent (Willis-AUST)
 11970 CZECHOSLOVAKIA RP; 1810-1827 EE, tlk, mx, Mailbag pgm, IS (Aston)
 12000 UNID; CC tlk, possibly Red Army Station, s/off at 1350 (Willis-A)
 12033 VIETNAM Hanoi; 1230 JJ, also noted around 0600 (Willis-AUST)
 12040NF ENGLAND BBC; 1500 AA pgm, //9825 (Willis-AUST)
 12077 ISRAEL IBA; 1545 Hebrew, HS, mx mostly EE records, P (Zilmer 1/1)
 15009 VIET NAM Hanoi; 1230 JJ, //12033 (Willis-AUST)
 15070 ENGLAND BBC; 1340 EE, World Radio Club, Poor (Overcamp 12/31)
 15085 IRAN NIRT; 1505-1529 Farsi, mx, ID, IS at 1529, Fair (Brown)
 15100 ISRAEL IBA; 1215, tlks, Poor (Zilmer 1/3) - lang? - ed.
 15105 JAPAN RJ; *2300 EE, Gen Ser, nx, anncd // 15195, 9585 (Cohen)
 15110 FINLAND RF; 1400-1413 EE, nx, ltrbox, cantry, Fair-Poor (Zilmer
 12/14, Brown 12/31)
 15115 ECUADOR HCJB; 1629* EE, rel pgm to NA, Fair (Overcamp 1/18)
 15130 NEW ZEALAND RNZ; 0310-0320 EE, sports scores, nx, cricket, Fair
 (Thompson 12/30)
 15150 CHILE VOC; 2222-2300 SS tlks, mx, ID, EE at 2300 (Pitts 12/30)

- 15160 MEXICO XEWU; 2130 SS, ID as XEW, RSA QRM, Fair (Ball 12/18)
 15165 DENMARK RD; *1600 Danish with EE ID at s/on, P (Beaudoin 12/25)
 15167 BRAZIL Ceará R. Clube; 1951-2040 PP, local, US and Eu pop mx, ID, Poor-Fair (Whitacre 12/11)
- 15170 TAHITI RT; 0320-0345 Tahitian, ID, tlk, island mx, F (Thompson)
 15175 AUSTRALIA RA; 0200 EE, Sports, Excellent (Willis-AUST)
 15185 MALAGASY REP RN-Talata; *1700 DD, Excellent (Ball 12/29)
 15190 NETH ANTILLES RN-Bonaire; *1642-1651* DD/EE, weekdays only w/ nx cmntry in both lang (Ball 12-29)
- 15245 BRAZIL RNB; 2110 EE, sports nx, ID's (Slaff 12/18)
 15245 ZAIRE LVZ; 1952 FF ID, African songs, Good (Beaudoin 1/3)
 15260NF FRANCE UNR-Allouis; *1830 lcl ID in FF for RFI, into UN AA pgm to 1845, ex 15160 (Padula-AUST 12/12)
 15260 HOLLAND RN-Lopik; 1430 EE, "Happy Station," Fair (Zilmer 12/14)
 15255 E GERMANY RBI; 1815 EE Af Ser, nx, cmntry, mx, Poor (Zilmer 1/1) - out of order - ed.
- 15305 SWEDEN RS; 1405 EE, ID, Fair (Beaudoin 12/25)
 15325 UGANDA UBC; 1759-1900* drum beat IS, Af mx, EE nx at 1815, into FF at 1830, under RCI (Ball 12/14, Slaff 12/18)
- 15328NF PHILIPPINES R Veritas; 0002-0004 EE w/ address for reports, and thanks for letters, may be tx fault or move from 15310 (Padula - AUST 12/13)
- 15330NF E GERMANY RBI; 1310-1315 AA nx (Padula-AUST 12/20)
 15350 ZAIRE LVZ; 1937-2200 FF, "mx populaire de la Revolution" nx, cmntry, lang at 2200 (Brown, Conover 12/27, Padula-AUST 12/25) - quite a change from the Ricky Nelson mx I hrd in '62 on R Leopoldville - ed.
- 15365 ETHIOPIA ELTF; 1912 EE&FF ID into FF rel pgm, Fair (Zilmer 12/28)
 15375 HOLLAND RN-Lopik; 1845 EE, DX Jukebox to W Af, Poor (Zilmer 1/1)
 15385 MEXICO R Mexico; 03330 SS ID, noted daily (Willis-AUST)
 15410 W GERMANY DW; *2200 GG, IS, ID, nx, Fair (Overcamp 1/17)
 15415 HOLLAND RN-Lopik; 1415 EE, DX Jukebox to S Asia, Fair (Zilmer 1/1, Ball 12/18, Conover 1/1)
- 15425 FRANCE RFI; 1700-1815 EE, Paris Calling Africa, Good (Ball 12/18)
 15430 ECUADOR HCJB; 2020-2100 SS for Americas, bad QRM from AFRTS co-channel (Padula-AUST 12/11)
- 15445 BRAZIL RNB; 2120-2150 PP, HS, ID as Radio Nacional, ads, pop mx (Gaffin 12/17, Slaff 12/18)
- 15455 UKRAINIAN SSR RS Atlantika-Simferopol; 1630 RR, ID, EL mx (Cohen)
 15504 CLANDESTINE R Espana Independiente; 1235 SS (Willis-AUST)
- 17532NF CHINA RP 0400-0500 EE (Willis-AUST)
 17700 E. GERMANY RBI; 0900-1000 GG, special Xmas only txm (Padula-AUST)
 17720 FRANCE RFI; 1539-1542 EE, nx, ID in EE&FF, Good (Brown 12/25)
 17765 RWANDA DW-Kigali; 1315, Swahili pgm w/ FF ID (Conover 1/1) /ver)
 17790NF SWEDEN RS; *1329-1345, IS, EE ID, FF pgm, GG pgm at 1345 (Cono-
 17780NF USSR RM; 1000-1030 Swahili (Padula-AUST 12/25)
 17785 MONGOLIA Ulan Bator; 1251*, Good (Willis-AUST)
 17795 NORWAY RN; 1352 NN, EE ID, nx, mx (Conover 1/1) - freq? see below
 17800 NORWAY RN; *1300 NN, //15175&9590 (Willis-AUST) - 17795 listed in WRTH-75, but 17800 is also in FBIS and reported in Jan FRENDX
- 17815 ISRAEL IBA; 1200-1215 EE, nx wx, F-P (Cohen 12/21, Zilmer 1/3) *1356 YY, IS, ID (Conover 1/1)
- 17820 CANADA RCI; *1715 GG to Europe (Cohen 12/24)
 17835 USSR RSP&P and RM; 1457-1507, P&P s/off, RM IS and EE to Africa nx, cmntry about Angola (Moritz 12-22)
- 17845NF W GERMANY DW; 0600-0950 GG to Aust, QRM from RM CC Ser after 0700, (Padula-AUST 12/24)
- 17845 PAKISTAN RP-Islamabad; 1735 AA tlk (Beaudoin 12/25)
 17880 E GERMANY RBI; 1441-1445* EE, Fair (Zilmer 12/14)
 17900 VATICAN CITY VR; 1700 EE w/ ID for Af ser, nx, Good (Brown 1/1)
 17920 EGYPT R Cairo; 1449-1455 Chants, listed as Pushto to M.E. (Moritz)
 21485 USA VOA-Bethany; *1900-1930 EE, African Panorama (Overcamp 1/1)
 21535 SOUTH AFRICA RSA; 1401-1515 EE, nx, "Sports Roundup" from SABC, cmntry on Angola, "Great Rivers of Africa" pgm (Ball, Moritz)

Only 19 reported to the new LR-D section which is a considerable drop from the volume for the old LR-C section.

You may notice that I included many of my own loggings - especially for easy items. I did this to try to make up for the low number of reports and to help you by making this section more complete. In future months, I hope that we all contribute our best DX despite poor conditions to keep up the high standards of FRENDX for accuracy and timeliness.

I thank all who contributed - especially Mike Willis and Bob Padula who shared many good items from their summer, "Down Under," QTH. Reports to Greg Ravenhorst, Rural Route, Hollandale, MN 56045.

73.
Tom

Topline tip. . . SOME POWERHOUSE PIRATE INFO from Bob "Foxy" Foxworth, NYC: WPCR, the New York City pirate still going strong as of late Jan. weekend and seem to have stabilised on vly nearly exactly 1620 kc. Varied in late Dec. to 1615.9 for a night and announced as such (and verified here) but since have been on 1620. Once up to 1623 kc. I have tried to hear them with a pocket transistor radio from midtown NYC streets and have had no luck. This, and the fact that most of their call-ins come from Brooklyn, and very good reception by a Rosedale, NYC, (cont'd below)

DX

Next deadlines:

2/12 and 2/26

(312) 362-3092



Hotline

•Editor: Ralph W. Perry

201 E.Cook, Apt. 416, Libertyville, IL. 60048

PIRATE - (continued from above) ..leads me to believe they are actually in Brooklyn. Also, see postmark on their letter. But the final factor is the phone no's they give out. Their working number is in an exchange (354) that is almost exclusively located in the west 39th, 40th streets and 1400 Broadway area of Manhattan. They have also announced another number in the (333) exchange which serves a major office building area in Manhattan's midtown area...Now in many exchanges, the numbers in the 9900 and higher series, as are the WPCR numbers, are internal usage loops for telephone company purposes and are unassigned to subscribers which leads to the supposition there is an inside job being done here. What I think is that one of the "conspirators" is a frame-man for Telco and is going up into the frames and either clipping across this pair onto another phone line which reaches the radio station, or is otherwise arranging for a transfer of call onto an otherwise unidentified line. It is interesting to note that, when the number is called during the week, NOTHING happens (not even a ring) and, when it is called while they are broadcasting, it still does not ring; one just dials, and then they click onto the line and you are connected and talking. There are several persons involved with the on-air aspect of WPCR which makes this without doubt one of the most ambitious pirate broadcasters ever heard here. Despite all this they do not seem to have any political ax to grind, but are merely interested in providing a free-form radio format... Estimates of power vary from 55 to 100 watts, though I'd previously been guessing 200 to 500 watts. That seems high. One person has apparently reported them on the air as a pirate, but the FCC is seemingly slow to move.(Thank goodness/Ed.) Schedule: seems to be moving toward being on the air midnight to 0330 EST Sat. and Sun. AM's (0500-0830 GMT). Their modulation is quite good for a pirate, as viewed on the spectrum analyzer. They are on the air at the right time for a shot into Europe. (Robert Foxworth, NYC) Spectacular showing, Foxy! Txn./Ed.

SOMALIA - 7121+, Radio 7, a reprieve, gentel Recheck of s/on at 1500 after VOA/Kav s/off showed stringed instrument IS, ID as R. Hargeisa? or Mogadishu? but no mistake of R. Somalia IDs. Into AA type vocals at 1506; further R. Somalia ID at 1528. (Craig Tyson, Australia, via NU) To which I can only add *1500-1630* fits known/listed s/d for Hargeisa, not Mogadishu, and that Ginzey hears this dual 11645v, known as Hargeisa. (Bob Hill, Cal, NU) 7121v, R. Somalia noted here since Nov. but could never nail positive ID. Hrd 1545-1700 and noted 1/25426 at 1615 // 9585+, which is Mogadishu. There is a station on 7120 with African mx and drums hrd in FF and a Russian here and VOA. (Dave Williams, Ore.) Seeing as this is hrd // to known fqs of both Hargeisa and Mogadishu, I'd say we're back at square one./Ed. R. Somalia again planning to buy new xmr for Hargeisa.(BEC MS) Promises.../M

LAOS - 7145, Vientiane, noted with fragmentary reception the EE xmsn at 1335 check, poor lvl. (Don Jensen, Wis.) 7145 w/national mx at 1325. (Dan Jamison, Oh., NU) 7144 past 1500 w/FF soap opera. (Ed Shaw, Cal., NU) 7145 at 1304, FF mx OMAZL, no sign Kuching 1/14...but not unusual on other days to hear Kuching and no Vientiane. Weird situation. (Bob Hill, Cal.)

Propagational picks. . . Thus far, at least, LF reception from Asia has been mediocre this season, though some excellent African reception has been noted, particularly on WCNA. There's little in the picture indicating early Feb will be much different from Jan. The geomag activity pattern should continue: brief quiet periods interrupted by days of unsettled condx. Nothing terrific on the horizon, but it may be worth watching for isolated good openings to Indonesia during latter part of second week in February.

COOK ISLANDS - 11760, Raratonga good in EE and Maori 2230-0200 during antenna tests hrd Dec. 10-12. Now back on old antenna, w/rather poor reception. (Dene Lynneburg, NZDX Times) Tho this impossible shot due fq/time, encouraging as previously rpytd totally inactive./Ed.

MALDIVES - 3522, Male still on this fq 1300-1500 with old pgn format of first half EE mx, and second half Hindi pgning. (Victor Goonetilleke, Sri Lanka, via NU)

SEYCHELLES - Agreement reached w/UK for independence at midnight 6/28. Special xmas? (AP)

ECUADOR - 3390, R. Zaracay noted nightly now at fine lvl, attributable to new equipment just installed per ltr from Jefe. (Ed.)
3260, R. Carrisal, IDing as such, no "Rio" in name, telephone busser snd effects and musica romantica; "Born in the Bayeau" instl version theme; super sig 1/22. (Ed.)

TURKS ISLANDS - 4788, R. VSI, Grand Turk, hrd NASWA pgn 1/16 at SIO/322 lvl, had fade and Combeima QRM; 0059 t/1 to 0200 fade; read ltrs from listeners in Canada and Dominican Rep. Discussion between Mr. Grant and Lt. Isen of NASWA at 0108. (Jack Jones, Miss.)

PERU - Radio del Pacifico, Lima, has been observed at 0200 with a one-hour pgn in EE of nx and mx broadcast from Monday to Friday. (BEC MS) Prob. 4970, as noted in past./Ed.

ZANZIBAR - Tanzanian budget may allow upgrading of RTZ. Discussions have taken place between president of Afro-Shiras Party and the Min. of Inf., BC & TV concerning "plans to purchase new radio transmitters to improve the audibility of Radio Tanzania's (Ed: presumably Zanzibar) broadcasts." (BEC MS) N.B. - Editorial note is BEC MS's./Ed.

INDIA - 3255, AIR-Delhi, 1530-1545 on 1/18; AIR EE ID 1530 and then into home nx, barely audible after 1535. (Williams)
3375, AIR-Gauhati, 1520-1545 on 1/24, tlk by OM in lang, anmts 1527; pipe at 1529+ and then nx by a man in EE until 1545. (Williams)

ANDORRA - 5995, R. Andorra has reactivated the SW outlet, hrd for first time 12/16 with not very good reception. Ansns commenced daily at 1100, sometimes as late at 1115; but the R. Andorra outlet on MW 701 kc. does not announce SW outlet. (SCDX) Hmnnnnnnn./Ed.

CLANDESTINE - 7165, "Rusky" black clandestine to 1028 s/off w/Internationale, and then *1030-1043* signing on and off again with same. Pgn consists of shouting, wailing and screaming by man in Chinese (you might call it emphatic). Heavily jammed. (Kev Scot, Cal.)

BRAZIL - 4943, Em. Vos de Sao Francisco, 0129-0303 s/off w/PP anmts, IDs, echo chamber anmts, theme song of Glenn Miller's "Moonlight Serenade". Off w/full ID, fqs, choral, etc. This is EH's unid. in Jan. PRENDX. 12/28. (Scot)

NIGERIA - 3205, NEC-Ibadan, hrd 2255-2306 s/off with Afro mx, poss EE at 2300 and NA at closedown, poor lvl on 24 Jan. (Jerry Lineback, Ill.)

LP AFRICANS - 4865, tentative Mozambique 1/25 from 1642 to 1701 t/o, tlk by OM in Afr lang. Singing by man and woman every few mins, many mtns of Angola. Chime or gong at 1658 and then what seemed PP anmts. Poor via long path, but best I've hrd it. (Williams)
4845, tent. Botswana, 1706-1718 f/o same day; BEC nx in EE, f/by pop mx at 1715. Tuned too late for rpt. Super weak on LP. Should have been listening to this instead of Mozambique! (Williams)

SP. SAHARA - 6095, tent. R. Sahara, el Aaiun. I haven't hrd anyone tlk about 6095 recently but even though I presumed it didn't exist any longer, I did hear stn f/i on this fq at 2024 w/OM in AA-type vocals to 2050 w/f-poor signals. Could this be R. Sahara? (Scott Newman, Ill.) A chance, but highly remote. Howsabout Baghdad? Anybody help here?/Ed.

ZAMBIA - 9580, 1947-2030 noted here at fair lvl w/EE and vern tlk. Crowing of roosters at 2000, then ID and anmt the Angola pgn for UNITA would follow. Sure enough, in FF to 2015, EE to 2030 and into PP. Good enough to copy, but het. (John Morits, Ohio)

PAKISTAN - Per Pak engineering staff, 5950 (Cf. previous DXH) is Islamabad, 1500-1810 in ES. Is in the Balti Svc to 1245 s/off, no QTH specified by implication is this is also Islamabad, not Rawalpindi. (Larry Magno, Pa., via NU) Both Rawalpindi and Islamabad sites are operating to best of my knowledge, but believe it is RP's intent to phase out 'pindi stn, now used for AER among other pgnms. My guess is 'pindi stn will go as soon as new hi-pwrd Islamabad MW xmttr is operational later this yr. (Gregg Calkin, via NU)

DKostera - SRTH publisher has confirmed the '76 WRTH will not be off the press til vy late in Feb., possibly 1st wk in March. This contrary to info from Frost and/or publisher in early Oct. As far as Gilfer is concerned, they've done it this time. (Perry Ferrell, NU)

MONGOLIA - 4947, Ulan Bator Radio from 1300 to 1500 s/off, CC at 1300 and 1400, Mongolian at 1330 and 1430. Each hf-hr segment intro'd by IS and ID in respective lang. (Gib Junqua, Japan, via Bob Bodell, NU)

...Good showing! Nice to see gh, sh, gld, jh and dnj at recent confab. 73s, y'all. (rwp)

One final reminder that ALL items for Log Report are to be sent to the new distributing editor, Greg Ravenhorst, Rural Route, Hollandale, MN 56045, and not to the individual section editors. 96 reporters contributing to Log Report and QSL Report.

William ALDER, San Antonio, TX (SPR4/SX133)...Don ASTON, Rocky River, OH (SPR4)...David BALL, Downsview, Ont., Canada (DX-150A)...Sam BARTO, Water-town, CT...Robert BEAUDOIN, Bridgeport, CT (R-388)...Ernie BEHR, Kenora, Ont., Canada (SPR4/XCR30)...Ed BRINDLE, Latrobe, PA (DX-160)...Albert BROMLEY, Toronto, Ont., Canada (SPR4)...W. Noel BROWN, Ann Arbor, MI (SB313) Bill CAMPBELL, Jr., Plantsville, CT (DX-150B)...Rick CARR, Bloomington, IL (DX-160)...Jon COHEN, Willingboro, NJ (SW-717)...Jack CONOVER, Pitts-burgh, PA (SPR4)...Ronnie COOPER, Middle Point, OH...Geoff COSIER, Bur-wood, Victoria, Australia...Royce C. CRAMTOM, Maywood, IL...Hadley GRESS, Harrisonburg, VA (R4C/SX190)...William DAVENPORT, Nashville, TN (DX-160)...Chris DAVIS, Crown Point, IN...Tom DETLEFSEN, Deerfield, IL (GR-78)...Tony DUBRICK, Urbana, IL (GR-78)...Ken DUKE, Columbus, OH...Guy DUNN, Paramus, NJ (SPR4)...Kenneth EARTHART, Allentown, PA (SX-190/DX-150)...Marlin A. FIELD, Hillsdale, MI (SX-100)...Dennis FILKA, Parma Heights, OH (DX-160)...Adam GAFFIN, Brooklyn, NY (Globetraverer Pro)...Editor Tom GAVARAS, Wayzata, MN (HQ-180)...Myron GERCKEN, Watseka, IL (DX-160)...Peter GRANT, Webster, NC...Robert HANNER, Melbourne, Victoria, Australia (Trio 9R59DS)...Mike HARDESTER, San Diego, CA (SPR4)...Dave HEIMKE, Hub-bel, MI (DX-160)...Harry HELMS, Fort Mill, SC (SX-190/Hq180C)...Dan HENDERSON, Laurel, MD (SPR4)...Robert HILL, Berkeley, CA (R390A/R390)...Charles HOFFMAN, Manheim, PA (DX-160)...Joe IHNAT, Jr., Coraopolis, PA...Jack JONES, Jackson, MS (DX-150)...Robert KEENEY, Lawrence, KS (HQ-180)...David KERNICK, Merseyside, England...Arnold LAUSEVICH, Milwaukee, WI (DX-150B)...Irving LEFFLER, Brooklyn, NY (DX-160)...Roger LEGGE, McLean, VA Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...Dan MCARTHUR, Terre Haute, IN (DX-160)...Bob McCOY, Lincoln, NE (DX-150B)...Pat McKRELL, Rohnert Park, CA (DX-160)...Pitt McNEILL, Washington, DC...Publisher Alan MAYER, Park Forest, IL (SPR4)...Greg MERKLIN, Manhattan, KS (Globetraveler III) Albert A. MILLER, Youngstown, OH (HRO-500)...Richard MITCHELL, Cupertino, CA (DX-160)...Mark MOHRMANN, Syracuse, NY...John MORITZ, Jr., Youngstown, OH (DX-160)...Timothy NOONAN, Milwaukee, WI (SW-4A)...Frank ORCUTT, Buffalo, NY...Editor Tom OVERCAMP, Seneca, SC (SP-600)...Carroll R. PAT-TERSON, Decatur, GA (SX-99)...Bob PADULA, Surrey Hills, Victoria, Australia (Marconi CR100)...W. J. PEARSON, Avonmore, PA (DX-160)...Stephen PITTS, Salem, OR (SW-4A)...Dave POLLARD, Winnipeg, Manitoba, Canada (XCR30)...Editor Greg RAVENHORST, Hollandale, MN...Henry ROCKWOOD, St. Clairsville, OH...David SARRAZIN, Denver, CO...Peter SCHIEPELLITI, Burlington, MA...George SCHNABEL, Rochester, NY...Neil SCHULMAN, Brooklyn, NY...Richard SCHWARTZ, Dover, DE (SX-190/S108)...Karl SCHWARZ, Ft. Wayne, IN (SW-4A)...Edward C. SHAW, San Diego, CA (SP600/R390A)...Dan SHINGLER, St. Clair Shores, MI (DX-160)...Jerry SLAFF, Brooklyn, NY...Glenn SMITH, Deming, NM...Myron SMITH, Spencerport, NY (SX-190/SB-310)...Todd SMITH, Wilton, CT...Wade SMITH, Westport, MA (SX-190)...Charles A. TAYLOR, Indianapolis, IN...Glenn L. THOMPSON, Deming, NM (HQ-145)...Dan TRIGILLO, Mountain Home AFB, ID...John TUCHSCHERER, Neenah, WI (Hq180/Hq100A)...Philip M. WALA, East Lansing, MI...David WALCUTT, Carbondale, IL (XCR30)...Steve WALLACE, Lewistown, PA (R4B)...Ms. Lauren WARE, Fairfax, VA...Arthur J. WATSON, Burnby, B.C., Canada...John WEGNER, Godfrey, IL (DX-150A)...Bill WHITACRE, Lansing, MI...Bob WILES, Wheeling, WV (XCR30)...Mike WILLIS, Hampton, Victoria, Australia (Trio 9R59DE)...Rex WOCKNER, Watseka, IL (SX-28)...Robert YAJKO, Leechburg, PA (SPR4)...Jim ZABRANSKY, Bordentown, NJ...Robert ZILMER, Milwaukee, WI (SPR4)

* * * * *

BARF MEETING: Bay Area Radio Freaks (BARF) invites all DXers to their "All Bands DX Get-Together" in San Francisco on March 27-28, 1976 at the Hotel Raphael, 386 Geary Street, San Francisco, CA, 10:00 AM Saturday to 6:00 PM Sunday. For information, write Rick Heald, 534 Weldon Avenue, Oakland, CA 94610 or Charles A. Wolff, 4911 Procter Road, Castro Valley, CA 94546.

ARRL CONVENTION: The American Radio Relay League (ARRL) will hold it's national convention on July 16-18, 1976 at the Denver Hilton Hotel. For information, write KØATZ, 2450 South Quitman Street, Denver, CO 80219

HELPING HAND: Wanted: NASWA bulletins pre-offset, particularly 1961-62, 1966-67, 1969-70 to complete collection. Will pay reasonable price or will swap for any of thousands of DX bulletins, radio magazines, books, etc. Contact Donald E. Erickson, 6059 Essex St., Riverside, CA 92504.

HELPING HAND: Free radio receiver service data on most every receiver built prior to 1955. Schematics and alignment data from Riders 22 volumes. Also, photocopies of articles of PE, EI, CQ, 73, HR, and QST from 1921. No cost/charge. Write Donald Erickson, 6059 Essex St., Riverside, CA 92504

OVERSEAS SERVICES (4740 kHz 61m)

DEPARTMENT OF INFORMATION
RADIO MALDIVES, MALDIVES/MALE,
REPUBLIC OF MALDIVES.

SUNDAY

<u>MT</u>	<u>MST</u>	
500	0800	UN Scope
515	0815	World News
530	0830	English Music
600	0900	FRG Programme
630	0930	USSR Programme
700	1000	English Music
730	1030	National Anthem & Close Down

MONDAY

500	0800	Voice of Victory
515	0815	World News
530	0830	Oral Roberts
600	0900	English Music
700	0930	G.D.R. Programme
730	1030	National Anthem & Close Down

TUESDAY

500	0800	Voice of Victory
515	0815	World News
530	0830	Frank and Earnest
545	0845	English Music
630	0930	Italian Programme
700	1000	English Music
730	1030	National Anthem & Close Down.

WEDNESDAY

500	0800	Voice of Victory
515	0815	World News
530	0830	Korean Programme
600	0900	Jack Van Impe Crusades
630	0930	English Music
730	1030	National Anthem & Close Down.

THURSDAY

500	0800	Voice of Victory
515	0815	World News
530	0830	Czechoslovakia Programme
600	0900	English Music
730	1030	National Anthem & Close Down

FRIDAY

500	0800	Voice of Victory
515	0815	World News
530	0830	English Music
600	0900	English Music
730	1030	National Anthem & Close Down

SATURDAY

500	0800	UN Scope
515	0815	World News
530	0830	Hour of Decision
600	0930	An Introductory programme on the Republic of Maldives
630	0930	Church of the Lord Jesus Christ of the Apostolic Faith.
730	1030	National Anthem & Close Down.

NASWA

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

Publishing **FRENDX** Monthly

Unity and Friendship

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