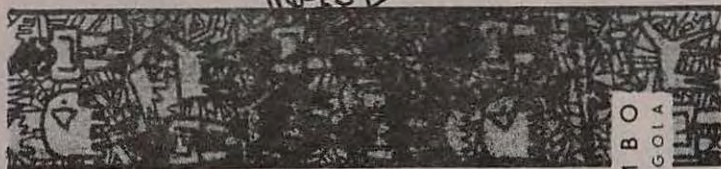


NOVA LISBOA, 26 SET 74
RÁDIO GLOBE DO HUAMBO



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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February 1976

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P.O. Box 13
Liberty IN 47353

North American SW Association

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 Hardesty, 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, but latest word now is that it will not be off the press until about February 20th, and advance copies air freighted to be in Park Ridge the following week. Perry assures us that he is doing everything he can to fill advance orders as quickly as possible.

Mac
M. R. Leonhardt - Executive Editor

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 $5\frac{1}{2} \times 3 \times 2\frac{1}{8}$ " (Heeger LMB136)
- 2 Recessed AC sockets (Cinch 54A12844)
- 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, take 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 $\frac{3}{8}$ " 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 $\frac{3}{4}$ " from the top, or open, edges. Measure out along these horizontal lines exactly $\frac{3}{16}$ " 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 $\frac{11}{16}$ " 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 $\frac{3}{8}$ " 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 $\frac{3}{8}$ " x $\frac{3}{4}$ ". 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 $\frac{9}{64}$ " 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 $\frac{11}{64}$ " 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 $\frac{3}{8}$ " 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 $\frac{3}{4}$ " 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 $\frac{7}{8}$ ". This is done by bending coil leads at the required angles about $\frac{1}{8}$ " from the final half-turn, thereby making offsets to permit leads to meet solder ears. When proper offsets have been determined by the $\frac{7}{8}$ " 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.

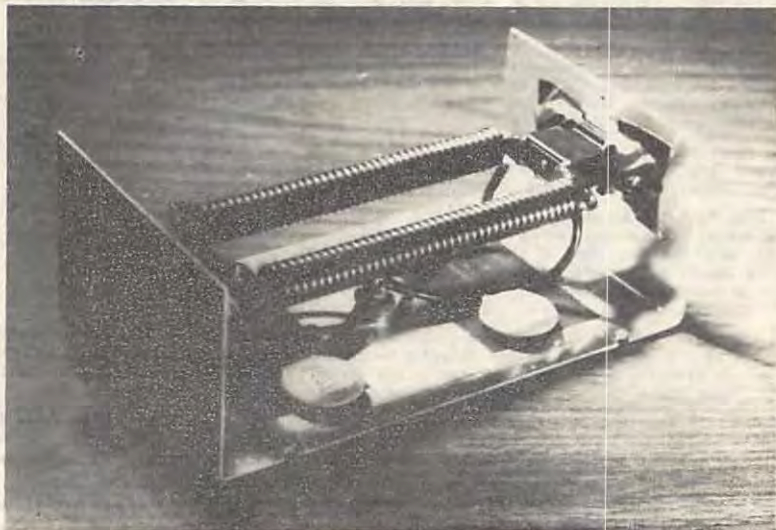
Remove AC plugs from sockets, gently push all capacitors down until they rest just above the tape patches, install the chassis cover and your filter is ready for use. To connect it for operation, you need a two-wire power cord of proper length for your requirements with an AC plug on each end. Don't 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.

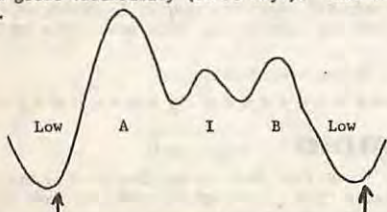
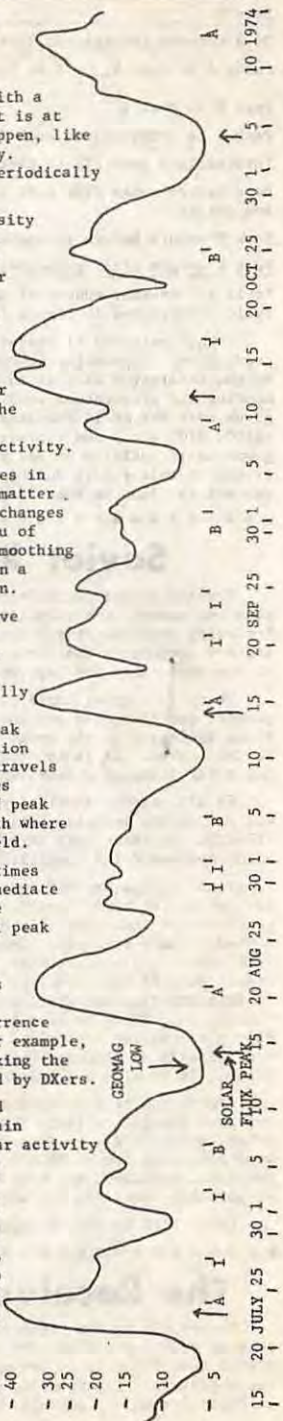


Figure 2: An ideal monthly geomagnetic cycle from a period of low solar activity. Arrows indicate position of solar flux peaks 26 days apart.

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: integral 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 FRENDX 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 RGI-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 SINFO. It is apparent that reports not expressed in SINFO 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 SINFO 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 list with 48. In South America Argentina produced 1,848 reports and Brazil over 1000 reports in spite 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 list 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 BDCX 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, SGDX 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 IDing 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/GM at 2330-0430. R. Moscow programs on 5915 (Spanish) and 7115 (English) were interchanged one night so the 7115 xmt, 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 Hionegro, 0500*

FRANCE RFI is noted on another out-of-band frequency in addition to still-heard 6205; New 9790 in French 2000-2100 // 9740. (Richard E. Wood, Garden City LINV) 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 1945 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 11959 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) 1300-1930 Chinese still on 7256 and 7234, 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 49mb 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. Guaraní 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 Gaffin, 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. pgs at 2000-2200 on new 9635 (Richard E. Wood, Garden City LINV) 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. (BEC MS 12/18)

SOMALIA R. Hargeisa 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 us 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	4775 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 (BEC MS)

The Situation BURMA BES 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 Phsay Smleng Kampuchea Prachiatipday) 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, SPEEDX Jan)

INDONESIA RRI Jayapura has been noted on new 11732 at 0500-0800 (Mike Willis, Australia)

RRI Ujung-Pandang on 2510 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 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 109/190°; Japan/Indonesia-Malaysia 320/212°; China/Australia 3350/115° (Margaret Cheng, Audience Relations Officer, 12/16 letter to Jeff Bell, Riverdale, 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 SBAntation 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 RSPSR, still active, now on 7520 at various unpredictable times (Ugusa via Magne) Never seen a report of MA Dkers logging fake R. Peking; have you? (Larry Magne, NU 1/3) On 4810 Russian pirate "Rasmusov" 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 Invalo, 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. Carolines/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, Bridgport CT) OK, from the report I couldn't tell whether you were aware of Malta (gh)

AFROBURAMERICA R. Eusekadi, "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)

(Buzkadi, 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. Buzkadi 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 xman in progress on 13220a. At 1934 a severe carrier hum began. At 1940, in addition to the RE pga, an extraneous female voice could be heard on RE's carrier. At 1941 RE, the hum, the second voice and the xtr 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 xman but without the carrier hum or c-m effects was monitored on 13220a at 2094-2057. 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 xman 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. (C. M. Stanbury II, Ont, SWNS)

La Voz de la Resistencia Chilena from Algiers, heard 11/8 *2330 with drums, ID on 15325u (W. Martijn, Leiden, Holland, BDX)

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

USA I heard a pirate station on 12/28 IDing as "WOPR, 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, the 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 a/cr 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 NRGers 1/18 (gh)

On 12/10 I heard a clandestine station somewhere on EDNA, IDing as WSP 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 WSP 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 WSP 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 IDEXI 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 nonmal 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 SGDX 1/20 via gh)

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

SWEDEN (oops) Changes as of 1/16 1400 to SAs 11970 ex-11735; 2300 to Nam 6120 ex-6035 (SGDX)

ROMANIA R. Bucharest D75 (presumably valid another month) of LN-6 for BEC'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 (cf Jan LN and Feb DYB...) Evening pga 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 HERRIDES 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 9285 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 (Glb Junqua, Ibaraki-shi, Japan, 1/8)

KOREA SOUTH R. Korea 3-hr ppgs 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 CA)

JAPAN Visited NSB/Tokyo 12/14, located on 6th floor of modern office bldg in the chic Akasaka district; xmas 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 SWEC freqs. A first on SWEC? (Gregg Galkin, Tokyo, NU 12/20)

IRAQ Since 1/1 R. Baghdad's German ppgs are at 2030-2130 on 9745 (several reporters to SCDX 1/13) This may affect the preceding English ppg 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 (BEC MS 12/18) Why bother at all? (gh)

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

ECUADOR Should you have any problem receiving HCJB on SW, it's moving into American PM. 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 3-hr English ppg 2130-2200 every Tuesday for teachers in the Congo and consists of new book reviews, language lessons, afro music, on 15190 (John White, FL, SPEEXD 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 aired Bucharest (Richard E. Wood, Garden City LNY) I was watching "Monty Python's Flying Circus" on my local CBS-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 aunts. The ad was quite slickly produced with scenes of people lying in the sun and listening to Barlow Wadley XGR 30 radios! (Michael A. Bolitho, Toronto, Ont.) Very interesting. Could you imagine VOA 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, Bilthoven, 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 ARDXC member John Hayne on 7250 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** Rdf. Municipal, Quito will activate a shortwave transmitter as soon as a frequency has been allocated, per the newspaper 'El Comercio' (BEC 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 xmas 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)

MONTSERRAT 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 ppgs on MW with an output of 200 kW (Alliance des Clubs de Reception 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 program. 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 AFP400 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 xmas 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. (BEC 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 pgn on 5900 kHz with NO jamming at all!!!! What is so amazing is this: The Russian pgn from Israel is normally at 2100-2155 and is always heavily jammed until 2155*. On Xmas Eve the regular Russ. pgn ended at 2147, followed less than 15 seconds later by the pgn 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 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 "Goodbye". (Steven J. Handler, Deerfield IL)

UKOGBANI BEGWS 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 xasn 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 RCJ on the possibility of having an xnr 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 N/ISWA 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 RGSW 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, S99 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 Cushman'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/ (Cushman, 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 APS (BEC MS 1/3)

NETHERLANDS ANTILLES Though RN's Engineering sked shows the 2130-2250 broadcast to the Caribbean as in Dutch, BEC MS lists it as in Papimento, 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' sta, 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. (Grogg 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 was to resume 1/1 on low-power-MW or VHF (BEC 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 (BEC MS 1/3)

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

The Seattion **PHILIPPINES** Radyo Pilipinas up to 958a from 9580 at 1106 1/10 setting NKK; R. Veritas up to 11876 from 11832, 1301 (Robt. Yeo, Vic., NU 1/25)

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

Clandestine Cranny **VENEZUELA** In a "Voice of the Free Canary Islands" broadcast from R. Algiers 12/22 a special MPALAC (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; BEC MS 1/3)

ALGERIA Since 1/1 the "Voice of Palestine" pgs are 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 (BEC MS 1/8)

Broadcasts in English **BULGARIA** 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 (BECMS Dec)

NETHERLANDS ANTILLES The RN shows the Mon-Fri Eng/Dutch to Nam 1642-1651 on 11820, BECMS 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:

	0530-0540	SAs	(21590 17830 17665	1100-1115	WEu	17665 15110
0230-0245	FE	21590 17830	0700-0715	ME	(15520 15325	1145-1415* Bang 7290 6190
0340-0345	Est	17830 15325	0803-0806	Af	(15115 11885	1630-1645 ME 11885 9462
0430-0445		11885	0930-0935	SAs	15325 11885	1815-1820 EU 7085 6235

Fifteen-mimute pgs are at slow speed ex. 0700. *Also in 2100-2145 UK** 7085 6235 Bengali/Urdu. **cf Don't you believe.... (BEC MS 12/75) 0000-0010 SEAs 11885 9460 7080

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

ROMANIA (cf LN-3) BECMS agrees with the sked elsewhere, except: 0645, 11830 instead of 15380; 1300, 7195 instead of 15250; add 6155 at 0130, 0400 (BEC 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. (BEC MS 1/3) No freqs given, BECMS 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 Hargelsa in connexion with plans for a new transmitter for R. Hargelsa. (BEC 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 (BECMS 1/3)

Program News **MOZAMBIQUE** R. Mozambique, Lourenço Marques, reports on a conference which Frelimo's Department of Information (DIP) held in Macomia, 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. (BEC 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. (BEC MS 1/3)

Miscelánea Radial DON'T YOU BELIEVE... ..the report appearing in SGDX 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. Swden 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 SGDX as an "operational" schedule is merely the tentative freq. assignments registered with the IFBB late in July 1975, and certainly are not meant to represent active, on-air frequencies! Also, contrary to the same SGDX 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 SGDX 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-ld in SKIT-choo-it", hi. (gh) Re AKR/TWR/DW sites: isn't it true that NASWA gives papal dispensation for counting countries whose txers 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 txer 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 HCBJ'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 SWBC stations besides their own. (Adam Gaffin, Brooklyn NY) ...that NAA listeners can now hear "As It Happens" on shortwave in the 49 millimeter band as proclaimed by Alan Maitland, or that during 1976 Barbara Frua will be the first person ever to interview a rape victim "As It Happens" (Bob Bedell, 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 Gilder 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 1½-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 DUDXS, 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 ECC 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, Kinio Masunoto. 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 BBC external broadcasts not being covered. 5 IRCs by air, 3 IRCs by surface from Masunoto. 890-30, Kamigo, Totaka, Yokohama, Japan. (via Mac Leonhardt)

Wood & Nelson Monograph #11 (see previous discussion) I ordered same, check cleared, still nothing. Hmm. (Mike Harderter, 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 EDMS, Box 190, Arlington VA 22210. (Dave Walcott, Carbondale IL)

THE NIGHT 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 WASIX. On 10/26 at 0740 he found signals on 21560, 21710; 10/27 at 0615 on 21480; 11/1 at 0840 on 21480, 21560-French, 21560, 21600, 21690, 21710-BROWS: We hope for more reports. (gh)

IN MY OPINION Arthur J. Watson, Burnaby BC: "I don't have anything against religious broadcast, but I do agree that they should be criticized if justified. However, there is one station that I do not like. That is WINE: This one just masquerades as a religious broadcaster while making the most reactionary political statements I have ever heard. Hitler would have liked that one. I have heard broadcasts from WINE 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 WINE. Secondly, about privately owned SWBCers 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 SW: University radio stations. 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 starting 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."

Jeffy Slaff, Brooklyn NY: "I agree with Harry Helms' opinion about the 49 mb being full of Top 40 DJ's. My suggestion is a regional domestic station, meaning that each region of the country would 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 broadcasts would alternate between New England, the Mid West, South, New York City (I'm an NYC chauvinist) and the West Coast. The broadcasts would include regional music, humor, news, etc. The only Amer I'd like to see on SWBC is WWVA, Wheeling WV. There aren't any decent C&W stations in NYC!"

Bob Underdown, Siloam Springs AR: "I've been reading a lot lately on hobby pirates in Europe. I understand and sympathize with young would be ham ops in Eastern Block countries who turn clandestine to be able to experiment with homemade transmitting equipment. Still I'm relieved that the problem isn't as widespread here as it is in Europe. I think we're very lucky there's only sporadic activity here in the states. 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 3579.5 kHz crystal, could be found in almost every defunct 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 Walcutt, Carbondale 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 fully 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 "T". 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 Andrew Elliott, Minneapolis MN: "The classified ads in the latest Communications World (a magazine for SWLs and other radio hobbyists) include the following: "1000 lonely ladies fotos," "Japanese Girls Make Wonderful Wives," "Beautiful Mexican Girls Wanting American Boy-Friends (sic)," "X-Films -- Lovelace, others." What kind of people do they think SWLs are?" gh: "Young males sublimating their sexual desires by knob-flipping?"

Richard 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 aeroxgrams. 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 'extra' services of this nature, rather than on the shoulders of the DXer."

Glenn Hauser: "You should buy your IRCs in Canada, hi. It strikes me as absurd that SWBC definers 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 harmonic on a higher, more truly shortwave frequency."

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

			17500-18000
3900-4060*#	5750-6200	9400-9900	13600-14000
4450-4650*	7300-7700#	11500-12000	15050-15700
			21450-21850
			25600-26100

*to be international broadcast bands, distinct from domestic tropical broadcasting in that same vicinity of frequencies. #suggested that amateur be shifted to 3400-3900 and 6800-7300 (western hemisphere); 6900-7100 rest of world. Completely new bands underlined. The group will take action on channel spacing and power limitations at later meetings. Comments on the technical future of SWBC from NASWA members would be appreciated. Send them to Kim Andrew Elliott, 1231 8th St SE, Minneapolis MN 55414. (Elliott) And comments on present usage may be sent to gh. (gh) I hope that we can make a contribution to the bureaucrats view of the situation. One way that the club or ANARC could help would be to have surveys of selected broadcasts especially when two stations are 5 kHz apart and one is at 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 SG)

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, perhaps in the previous issue you have not seen when mailing your report. Please enclose an SASE if you'd like material returned and be patient for a personal reply. 73, Glenn

QSL

Report



•Editor: William E. Oliver

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 rpt 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. (Sarrasin); via Khabarovsk, 11690, via Blagoveschensk 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. Belize, 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. (Sarrasin); 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. (Heinke).

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).

DODECANESE 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 and 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 stanaya Rodina and requested txmr CTH. 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. (Heinke). 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. (Heinke). 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. (Heinke).

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 Nahuala-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).

LRI

Buenos Aires-ARGENTINA



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

Radio EL MUNDO



1070

KCS.
100 KW.

LRU - 15290 kc. 5 kw.
LR - 11755 " 7 "
LRI - 6120 " 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, wlder 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. Budapest, 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

rp. (Cohen); full data map card, emblem and sked in 29 days for EE rpt. No rp. (Ware).

ISRAEL: IBA, 5900, full data card in 37 days for EE rpt and 1 IRC. (Smith): 7462, "Western Wall" card in 3 weeks. (Padula): 7412, "Old Painting" card in 4 weeks, air. (Padula): 7395, full data "Knesseth Building" card, sked, Israel booklet and rpt form in 44 days, air, for EE rpt. (Gercken): 7395/7412, full data "Shrine" card, sked, emblem and "Facts About Israel" in 40 days for EE rpt. No rp. (Ware): 11642, full data "Western Wall" card in 7 weeks, air, for EE rpt and 2 IRC's. (Filka): 11960, "Knesseth" card, sked and booklet in 30 days for 2 IRC's. (Brindle): 9815, full data "Shrine of the Book" card, sked and info on station in 36 days. No rp. (Brown).

IVORY COAST: R. Abidjan, 11920, full data QSL letter in 28 days, air, for EE rpt. (Gercken); handwritten verie letter in 26 days for EE rpt and 2 IRC's. My second try. (Carr).

JAPAN: R. Japan, 15105, card, sked and postcard in 17 days for EE rpt on rpt form. No rp. (McCarthy): 15300, "Tachibina Dolls" card w/o time, postcard of Mt. Fuji, sked, rpt form and pamphlet in 22 days. No rp. (Campbell); card w/o time, sked and station info in 13 days. No rp. (Noonan); "Dolls" card, sked and rpt form in 21 days, air. No rp. (Heimke); "Dolls" card, sked, Mt. Fuji postcard, etc. in 16 days, air. No rp. (Trigilio): 15105, card w/o time in 13 days, air, for EE aerogram rpt. No rp. (Watson): 15105/11705, "Dolls" card w/o time in 18 days, sked, postcard, etc. for NHK rpt form. No rp. (Cohen): 9585, full data "Dolls" card, sked, rpt form, info on station in 19 days. No rp. (Brown).

Far East Network, 3910, full data card in 18 days, surface, for EE rpt and mint stamps. (Hardester).

KAZAKH SSR: R. Moscow via Alma Ata, 15210 (S/SEA Svc), card in 30 days. (Legge).

KENYA: VOK, 4915, air letter w/all data in 21 days for EE rpt and 1 IRC. (M. Smith); station QSL-aerogramme in 6 weeks for EE rpt and 1 IRC. (Cosier).

KOREA (N): R. Pyongyang, 9420, full data color picture card, two color postcards and EE program sked in 16 weeks for registered rpt. No rp. My second try. (Wala).

KUWAIT: R. Kuwait, 11940, full data folder card in 40 days, air, for EE rpt. No rp. (Conover); folder card and sked in 29 days, air, for 1 IRC. (Heimke)

LIBERIA: VOA-Monrovia, 7280, full data Capitol card in 6 days. No rp. V/s Lauri Fitz. (Ware); "Kennedy Center" card w/all data in 3 days. No rp. V/s Monica Vall. (Brown).

SOMALI BROADCASTING DEPARTMENT
Radio Mogadishu

"Q. S. L." LETTER (Provisional)

Ref.No.WIS/23/75

Mogadishu

Date: 12/10/75

To:
Mr. Albert A. Miller, Jr.,
2362 Selma Ave
Youngstown, Ohio 44504
(U.S.A.)

This confirms your receipt of the Broadcast from the Somali Broadcasting Service, Radio Mogadishu on:

Kes at: 9585 GMT on 2045 - 2101 13/9/75

With Gratitude.

S.B.S.
Radio Mogadishu

Remarks: _____

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

المينة العامة للاذاعة الثورة الشعبية

« ربنا افتتح بيننا وبين قوصنا
بالحق وأنت خير القاتحين
سداقة العظم

الموافق / / ١٩٧٦

الرقم الاشاري :

التاريخ / / ١٩٧٦

Dated: 21st Dec., 1975

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 CSL 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/txm 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. (Sarrasin); 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, AFRTS CSL 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 CSL cards. Also sent station info and postcard. Received in 8 weeks, air, for PP rpt. V/s Ava Maria. (Cosier).

RÁDIO 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 12.295 Kc/s xxxx Call Sign ----- Transmitter power 100 Kw Remarks: RÁDIO CLUBE Waterproofed 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. McKenzie. (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 mag in 14 days, air, for EE rpt and used U.S. stamps. (Sarrasin): 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 3½ 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. (Sarrasin): 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. (Sarrasin); 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. (Sarrasin) 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. (Sarrasin): 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. (Sarrasin).

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. (Sarrasin).

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

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. (Sarrasin): 15000, full data folder in 20 days. No rp. (Watson).

KGEI, 5980, card w/scenes of San Francisco in 54 days. (Sarrasin); 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. (Sarrasin): 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 CSL: Here's an upper side band CSL which normally doesn't fit in "CSL 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. CSL cards were offered for only about 5 hours for Navy Bicentennial Celebration. I know this is not a NASWA-type CSL 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 CSL 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 CSL.

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.

Bill

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

Television Stations

2000-3100 kc.
 WKDR—Long Island City, N.Y.
 WKAN—Jackson, Mich.
 W2BK—Iowa City, Ia.
 W2KX—Manhattan, Kansas.
 W2KAG—Chicago, Ill.
 W2KAM—Bakersfield, Calif.

2750-2850 kc.
 WKAK—Portland
 W2KAP—Chicago, Ill.

W2KBS—Holliston, N.Y.
 W2KS—Los Angeles, Calif.
 W2KAL—Kansas City, Mo.
 W2KK—W. Lafayette, Ind.
 W2KAB—New York, N.Y.

42000-50000, 50000-60000 kc.
 W2KAX—New York, N.Y.
 W2KAY—Los Angeles, Calif.
 W2KXD—Milwaukee, Wis.
 W2KXT—Portland
 W2KX—New York, N.Y.

W2KE—Philadelphia, Pa.
 W2KAD—Camden, N. J.
 W2KXK—Portable & Mobile (Vicinity of Camden)
 W2KXD—Long Island City, N.Y.
 W2KAN—Jackson, Mich.
 W2KE—Chicago, Ill.
 W2KAT—Portland
 W2KX—New York, N.Y.
 W2KAG—Portland
 W2KX—Boston, Mass.

Police Radio Alarm Stations

CGZ Vancouver, B.C. 2452 kc.
 CJW St. Johns, N.B. 2416 kc.
 CJZ Verdun, Que. 2402 kc.
 CHGQ Las Vegas, Nev. 2474 kc.
 CHHK Palo Alto, Cal. 1674 kc.
 CHHM Reno, Nev. 2474 kc.
 CHGO Des Moines, Iowa 1682 kc.
 CHHX Santa Ana, Cal. 2430 kc.
 CHHY Whittier, Cal. 1712 kc.
 CHIZ Little Rock, Ark. 2406 kc.
 CHJX Pasadena, Cal. 1412 kc.
 CHLN Albuquerque, N.M. 2418 kc.
 CGOZ Cedar Rapids, Iowa 2468 kc.
 KCPA Seattle, Wash. 2474 kc.
 KCPK St. Louis, Mo. 1708 kc.
 KCPD San Francisco, Cal. 1674 kc.
 KCPPE Kansas City, Mo. 2422 kc.
 KCGG Yalaja, Ariz. 2422 kc.
 KCPH Oklahoma City, Okla. 2450 kc.
 KCPJ Omaha, Neb. 2406 kc.
 KCPK Roumoult, Que. 1712 kc.
 KCPK Sioux City, Iowa 2456 kc.
 KCPK Los Angeles, Cal. 1712 kc.
 KCPM San Jose, Cal. 1674 kc.
 KCPN Davenport, Iowa 2468 kc.
 KCPQ Topeka, Okla. 2450 kc.
 KCPF Portland, Ore. 2442 kc.
 KCPQ Honolulu, T.H. 2430 kc.
 KCPH Minneapolis, Minn. 2430 kc.
 KCPB Bakersfield, Cal. 2414 kc.
 KCPW Salt Lake City, Utah 2408 kc.
 KCPK Denver, Colo. 2442 kc.
 KCPY Bates, Mo. 1674 kc.
 KCPZ Wichita, Kans. 2450 kc.
 KCEA Fresno, Calif. 2414 kc.
 KCEB Houston, Tex. 2414 kc.
 KCEC Topeka, Kans. 2428 kc.
 KCEB San Diego, Cal. 2408 kc.
 KCEB San Antonio, Tex. 2482 kc.
 KCEP Chanute, Kans. 2480 kc.
 KCEB Des Moines, Iowa 2468 kc.
 KCEB Klamath Falls, Ore. 2482 kc.
 KCEI Wichita Falls, Tex. 2456 kc.
 KCEJ Phoenix, Ariz. 2430 kc.
 KCEZ Shreveport, La. 1712 kc.
 KCEH El Paso, Tex. 2414 kc.
 KCEW Tacoma, Wash. 2414 kc.
 KCEO Santa Barbara, Cal. 2414 kc.
 KCEP Coffeyville, Kans. 2450 kc.
 KCEZ Waco, Tex. 1712 kc.

KGZR Salem, Ore. 2442 kc.
 KGZS McAlester, Okla. 2450 kc.
 KGET Santa Cruz, Cal. 1674 kc.
 KGEU Lincoln, Neb. 2490 kc.
 KGSW Lubbock, Tex. 2450 kc.
 KGZK Albuquerque, N.Mex. 2414 kc.
 KSW Berkeley, Cal. 1658 kc.
 KVP Dallas, Tex. 1712 kc.
 KWRG Mexico, Can. 2414 kc.
 YVW Winipeg, Man. 2410 kc.
 WCK Belle Island, Mich. 2414 kc.
 WPCG Boston, Mass. 1708 kc.
 WNDT Detroit, Mich. 1658 kc.
 WBDU Cincinnati, Ohio 1708 kc.
 WMDZ Indianapolis, Ind. 2442 kc.
 WMJ Buffalo, N.Y. 2422 kc.
 WMO Highland Park, Mich. 2414 kc.
 WMC Zanesville, Ohio 1660 kc.
 WPA Tulsa, Cal. 2414 kc.
 WPBB Chicago, Ill. 1712 kc.
 WPDC Chicago, Ill. 1712 kc.
 WPD Chicago, Ill. 1712 kc.
 WPD Louisville, Ky. 2442 kc.
 WPD Flint, Mich., Ind. 2406 kc.
 WPD Youngstown, Ohio 2456 kc.
 WPD Richmond, Ind. 2430 kc.
 WPD Columbus, Ohio 2450 kc.
 WPD Dayton, Ohio 2442 kc.
 WPD Auburn, N.Y. 2382 kc.
 WPD Akron, Ohio 2458 kc.
 WPD Lancaster, Pa. 2474 kc.
 WPD Rochester, N.Y. 2382 kc.
 WPD St. Paul, Minn. 2428 kc.
 WPD Kokomo, Ind. 2400 kc.
 WPD Pittsburgh, Pa. 2412 kc.
 WPD New York, N.C. 2482 kc.
 WPD Washington, D.C. 2412 kc.
 WPD Detroit, Mich. 2424 kc.
 WPD Atlanta, Ga. 2414 kc.
 WPD Fort Wayne Ind. 2400 kc.
 WPEA Syracuse, N.Y. 2450 kc.
 WPEB Grand Rapids, Mich. 2442 kc.
 WPEC Memphis, Tenn. 2484 kc.
 WPEB Arlington, Mass. 1718 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. 2430 kc.
 WPEL W. Bridgewater, Mass. 1658 kc.
 WPEM Woonsocket, R.I. 2406 kc.
 WPEP Arlington, Mass. 1712 kc.
 WPEB Saginaw, Mich. 2442 kc.
 WPET Lexington, Ky. 1708 kc.
 WPEW Northampton, Mass. 1666 kc.
 WPEX Newton, Mass. 1712 kc.
 WPFK Muskegon, Mich. 2442 kc.
 WPFH Reading, Pa. 2414 kc.
 WPGC Baltimore, Pa. 2442 kc.
 WPHI Baltimore, Md. 2414 kc.
 WPHI Baltimore, Md. 2414 kc.
 WPHI Baltimore, Md. 2414 kc.
 WPFK Hackensack, N.J. 2430 kc.
 WPFH Gary, Ind. 1712 kc.
 WPFH Birmingham, Ala. 2428 kc.
 WPFN Fairhaven, Mass. 2470 kc.
 WPFQ Knoxville, Tenn. 2474 kc.
 WPFZ Charleston, W. Va. 2430 kc.
 WPFQ Swanton, Pa. 2474 kc.
 WPFJ Johnson City, Tenn. 2470 kc.
 WPFJ Asheville, N.C. 2474 kc.
 WPFU Portland, Me. 2422 kc.
 WPFY Patuxent, R.I. 2480 kc.
 WPFZ Palm Beach, Fla. 2414 kc.
 WPFZ Miami, Fla. 2442 kc.
 WPGA Bay City, Mich. 2460 kc.
 WPGC Port Huron, Mich. 2468 kc.
 WPGC S. Rhineclay, N.Y. 2458 kc.
 WPGD Rockford, Ill. 2456 kc.
 WPGF Providence, R.I. 1712 kc.
 WPGH Findlay, Ohio 1658 kc.
 WPGH Albany, N.Y. 2414 kc.
 WPGI Portsmouth, Ohio 2430 kc.
 WPGJ Utica, N.Y. 2414 kc.
 WPGK Cranston, R.I. 2466 kc.
 WPGM Birmingham, N.Y. 2442 kc.
 WPGN South Bend, Ind. 2490 kc.
 WPGO Huntington, N.Y. 2490 kc.
 WPGS Minnola, N.Y. 2490 kc.
 WPGU Boston, Mass. 1712 kc.
 WPGW Mobile, Ala. 2328 kc.
 WPRH Cleveland, Ohio 2428 kc.
 WRDQ Toledo, Ohio 2474 kc.
 WRDR Charlesville, Mich. 2414 kc.
 WRDS E. Lansing, Mich. 1666 kc.

When to Listen In

By M. Harvey Gernsback

Davenport

• The Davenport schedule for December is as follows: Trans. 1, 1.5 a.m. on GSD and either GSB or GSF. (After Dec. 16, 3:30-5:30 a.m.) Trans. 2, 6-7:30 a.m. (except Sunday) on GSF and either GSB or GSE; 7:30-9 a.m. daily on GSB and either GSF or GSE. Trans. 3, 9:15-10:45 on GSB and GSC; 10:45 am-12:15 p.m. on GSB and GSA; 12:15-12:45 p.m. on GSD and GSA. Trans. 4, 1-3 p.m. on GSD and GSB; 3-5:45 p.m. on GSB and GSA. Trans. 5, 6-8 p.m. on GSB and GSA.

Rome

• RHO, 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 20.87 meters. Other wave lengths available are 45.7, 45.98 and their old wave of 22.4 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 65.7 kc. (467 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, 1.5 a.m. and 5-11 a.m.
 December 9th the program will be dedicated to Canada; between 3:15 and 3:30 a.m. and also from 6:30 to 7:30 a.m.

PRRS

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

Holland

Our old friend FJG at Eindhoven, Holland, which has been silent for nearly three years is definitely back on the air again. It operates (regularly on two ways (Continued on page 575))

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	9912, 7235, 6120, 1130
0005-0015	NEWS Asia	
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	17705, 15140
0335-0345	NEWS Africa	
0345-0400	Persian - Iran	17387, 15080
0350-0359	NEWS	
0400-0430	Arabic - Arab World	17387, 15080
0410-0420	NEWS	
0415-0430	Gujarati - General Service -	17705, 15140
0415-0430	NEWS East Africa	

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kHz

kHz

0001-0045	Tamil - General Service - Southeast	9912, 7235, 6120, 1130
0005-0015	NEWS Asia	
0045-0115	Burmese - Asia	7235, 6120, 1130
0045-0055	NEWS	
0130-0215	Nepalese - Asia	7225, 6105, 590
0200-0210	NEWS	
0400-0430	URDU - Bangladesh & Pakistan	6160, 1070, 710

1130-1230	Tamil - General Service - Southeast Asia	15335
1130-1200	Thai - Asia 1134-1140 NEWS	21660, 17705
1200-1300	Sindhi - Bangladesh & Pakistan 1205-1215 NEWS	7260, 1070
1215-1250	Cantonese - Asia 1215-1222 NEWS	11620, 9625, 7105, 1130
1230-1315	Tibetan - Asia 1245-1255 NEWS	9705, 7285
1245-1315	Sinhalese - Asia 1250-1258 NEWS	17860, 15430
1250-1315	Standard Chinese - Asia 1300-1306 NEWS	11620, 9625, 7105, 1130
1300-1330	Daluchi - Pakistan 1305-1310 NEWS	6145, 1070
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1330-1430	Punjabi - Bangladesh & Pakistan 1333-1335 News Summary	710
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1400-1440	Nepalese - Asia 1430-1440 NEWS	1130
1430-1830	Urdu - Bangladesh & Pakistan 1430-1435 NEWS 1630-1640 NEWS 1730-1735 NEWS	3295, 710
1430-1545	Pushtu - Afghanistan 1435-1445 NEWS 1540-1544 News summary	3905, 1070
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W.I.

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2300-2400	Hindi - General Service - Southeast 2305-2315 NEWS	9912, 7235, 6120, 1130 Asia

**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 dual ratio alignment dial with the 12-1 ratio band-spread pointer.

You may now use this receiver for your daily communication work and long your stations 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.

Please note with speaker cabinet which are mounted on metal panels for easy accessibility. Complete rebuilding of all stages to eliminate

P.F. and audio feedback. A highly sensitive regenerative circuit using a tuned R.F. stage with a newly perfected system for squelching both stages, makes this an ideal short wave receiver for both ham and short wave fan.

Labels completed and the newly developed 4.5 volt type 404, 407, 36, C2 and C3. Set is mounted on a black finished heavy steel chassis. Chassis wired and tested with coils.

Cabinet for above \$ 1.75
Flow Schedule and tested tubes \$ 1.50
8" short wave dynamic speaker \$ 2.00
Short wave lamp from power supply \$ 4.75
Complete kit of parts for set and power supply \$ 14.75



MODEL 5100

\$11.75

SUPERTONE PRODUCTS CORP.

35 Hooper Street.

Dept. E-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 lanr, 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 GHANA GBC; 2130-2305* EE/vern, tlks, nx, cmntry, hymns and ID. (Lineback 12/28, Conover 1/3, Ware) 0535-0602 EE/lanr, M&W 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 IP, 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 band mx, ID. (Jones 1/11)
- 4924 MANCHURIA Harbin; 2210-2225 CC, tlk by W, typical mx. (Wayer 1/2)
- 4926 EQ. GUINEA R. Bata; 2115-2138 lanr, Afr and LA type mx, annmnts by M in unid lanr, VF 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 IP, 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 annmnts, 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 PR. GUYANA ORTP; 0950-1000 FF, tlk until 0956, then mx number, W annrc at 1000 but could not set def ID. (Earhart 12/26)
- 4980 GHANA GBC-Ejura; 0632-0715 EE, world nx, cntry 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 annrc 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 annmnt, 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) 2M6 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 Anolan). 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 annmnts, 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 GUENADA 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, annmnts 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 annrc. No question about being IF lang & Brazilian but not sure of ID. (Earhart 12/26) // (Fadula/Hanner)
- 5025 PERU R. Quillibamba; 1025 SS, Peruvian vocals, annmnts.
- 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. Contintene; *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. (Garr 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. RNG; 2020-2100 FF, nx and Afr mx. (McNeil 1/9)
- 5039 SUDAN R. Omdurman; 2020-2125 AA, mx, vocals, annmnts. (Padula 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 tlc 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, IA mx. (Tuchscherer 12/16)
- 5047 TOGO RT; 1940-2300* FF, nx, Afr mx, ID. (Padula, Conover, Schwartz) 0610 FF, 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, annmnts. (Padula/Hanner)
- 5052 SINGAPORE R. Singapore; 1440-1500 EE, ol mx, birthday greetings to listener's, vocals. (Thompson 1/3) (Mayer 1/9)
- 5053 MONGOLIA RUB; 1230-1240 RR(?), M with tlc, poor mod, Asian mx.
- 5055 BRAZIL unid; 0200 FF, DJ yak, EL mx, Christmas eve pfm, ads, no ID past 0220. Both Brazilians supposedly off. (McNeil 12/24) (son)
- 5057 ALBANIA Gjirokasta; 0510, nx at s/on, "Ju Plet Tirana" ID. (Hender)
- 5060 ANGOLA A Voz do Revoluciono or RC do Huambo; 0517 with FF and EE vocals...last 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 RF; 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. Pfm is Afr safari and not sure whether Greenville or Bethany. Reporting since not on VOA pfm and only other (6030) has another pfm on. (Earhart 12/28)
- 5875 HONDURAS LV de Honduras; 0012-0020 SS, ID and vocals. (Moritz)
- 5900 ISRAEL IBA; *2000-2030 EE, nx and tlc, "letterbox", Jerusalem cllg pfm // 7395,9815. (Moritz 1/3, Schwartz 12/28, Slaff 12/20) *0500-0515* EE, nx and cmntry. (Hoffman, Willis)
- 5915 USSR RF&P; 0427-0435 SS, tallend of tlc in SS plus ID and IS, then another SS pfm started with reg RR 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 w50. (Moritz 1/1, Padula 12/23) 0800-0828* Swed. pfm on Sun only. Did not cont at 0830 as per WRTH. (Behr 12/21)
- 5949 PAKISTAN RF; 1235-1245* lang, tlc 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 CBS; 1043 EE, rock mx, "Monday morn show". (Jones 12/29)
- 5950 MANCHURIA Harbin; 1305-1320 CC, tlks by M&W, opera. (Schwarz 12/15)
- 2150-2203 CC, tlc by W. (Tuchscherer 1/2)
- 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 pfms, 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 pfm. (Hoffman 12/16) (Moritz)
- 5965 SPAIN RNE; 0250-0300* SS to South Am, tlc, ID and closing anns.
- 5970 PERU R. El Sol; 1020-1059 SS, Andean mx, TC's, ID's. Fine until ROI 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, tlc. (Jones, Alder)
- 5985.5 ARGENTINA R. Splendid; 0230 SS sports & own ID, 0330 ID as "LRA R. Nacional". (Behr 12/21)
- 5987 SULAWESI RRI Menado; 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 JJ/EE ID, pfm 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 pfm. (Pitts 12/29) 1340 EE (Alder 12/7)
- 5995 MALI R. Mali; 2150-2400* FF, Afr mx, ID and anthem at s/off. (Pitts Gaffin 12/27,28) (Lausevich)
- 5995 ECUADOR Voz del Triunfo; 0010-0035 SS, mx and cmntry with much QRM
- 6000 HONDURAS R. Swan; 0445-0630 SS, IA mx, ID's, TC's, said 24 hrs. (Hill 12/13,15, Lausevich 12/6, Carr 12/18) 1130-1141 SS, many ID's marimba mx. Move from 6185. (Zilmer 12/15, Yajko 12/21) 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, Pearson)
- 6005 W. GERMANY RIAS-Munich; 2230-0230 GG, orch mx before 0030 and rock mx afterward, and nx on the half hr. 1d 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 UK brdcst... then W in lang. (Earhart 12/27) 0900-0930 CC, NF ex 6145. (Padula 12/21)
- 6010 ITALY RAI; *0100 EE, IS, ID, nx, mx. (Pearson 12/9)
- 6012t ANTARCTICA McIurdo; 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 then, but rather a spur. They do not // 6030 and when psm 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 Fernambuco; 2200-2230 PP, ads, pop mx, nx and annmnts. (Schwarz 12/18)
- 6020 MALAGASY RM Talata; 1730 DD, mx, QRM Kiev //6025 Lopik. (Behr)
- 6020 UKRAINE R. Kiev; 1730 IS and Ukraine psm, 1830 Moscow FS. (Behr)
- 6025 PARAGUAY R. Nacional; 0945-1000 SS, ID, LA mx. (Yajko, Follard)
- 6025 PORTUGAL R. Portugal; 0230 EE, nx and mx. (Hoffman 12/16)
- 6025 NIGERIA NBC-Enugu; 2247-2306* EE, mx psm, 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 Suddeutscher 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)
- 6040nf E. GERMANY RBI; 0130 SS, ID, sked, psm details, nx. (Schwarz)
- 6045nf 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. Mediterraneo; 2020-2115*, AWR, Malta and AWR segments. World DX Club did a neat bit on BCE 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) (1) 1330-1342 Afr mx, 1342 M in lang, 1345 AA mx. Weak. (Shinler 1/8)
- 6055 JAPAN NSB; 1404 JJ, educ psm, 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-Ens, 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) 0128 EE, ID's, cmntry. (Schwarz) *0300 EE, IS, ID, nx headlines, mx and nx in detail. (Pearson 12/9)
- 6065 SWEDEN R. Sweden; 1605-1619 EE, comment, ID and piano selection. Most strange rept. (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 SS ID. (Zilmer 12/16) 0333-0351 SS ID's, EE2SS pops. (Moritz 12/16)
- 6075 ECUADOR HCJB; 1120-1135 SS/JJ, seems to have left 6065 and gone back here for this SS/JJ 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 then nx. (Ware)
- 6080 BELGIUM RTB; 0038-0056 EE, comments on Industry. (Alder 12/21)
- 6080 CANADA CKPX Vancouver; 2008 EE, nx, wx, relay of CKWX. (Fitts)
- 6085t ZATRE Kisanji; 2050-2052 Afr chants, 2052 M in lang. (Shinler 1/6)
- 6090 LUXEMBOURG R. Luxembourg; 2100 GG, US rock mx. (Whitacre 12/11) 0000 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 psm, nx. (Thompson, Wockner)

- 6095 SP. SAHARA R. Sahara; 2041-2056 AA, 1cl mx, instru and vocal, ♀ in AA and nx by ♀ maybe at 2046. (Schwarz 12/15) Are you sure this was not Bahdhad? KCC. (Schwarz 12/9)
- 6100 YUGOSLOVIA R. Belgrade; 2200-2215* EE, nx by ♀, cmtry, 9 note 15.
- 6100 NIGERIA NBC-Waiduguri; 2200-2215 Hausa, 1cl chanting and mx, mixing with other stations. (Schwarz 12/22)
- 6100nf MOROCCO RTM; 2347 AA chants mixing with (but mostly under) DW. East 0010 dual 6170, with mostly mx and some AA anncmnts. (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 12/28)
- 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, M 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 Carinos 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. (Wayer 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 M, 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 FP, much tlk, some Christmas mx, mixing with ORF. (Caffin 12/25)
- 6155 JAFAI FEN; 1400 EE, pop mx, TC, ID and nx. (Jones 1/2)
- 6156 HAITI R. Citadelle; 1120-1202 FF, church pfm, ID by M, 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, cntry, nx and ID's as "Radio Emissora..." (Lausevich 12/20) 0808-0950 SS, SS vocals, ID, LA mx. (Moritz 12/7, Ware)
- 6165 BRAZIL R. Cultura de Sao Paulo; 2315 FP, 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 FL), 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, ♀ divine 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, guitars, nx in Somali EE ID at 0400. (M. Smith 12/15)
- 6185t LIBYA FRB; 2140-2155 AA, chanting by W, M&W tlk. (M. Smith 1/3) 0357-0421 AA, vocal by W with instru accomp, OC until 0400 when NA and anncmt by M. 0405 1cl 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 panp! 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 FRIENDX 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 PF, continuous pop mx, Good 12/15 (Zilmer)
- 6205 FRANCE RPI; 1830 PF, France-Inter. pgm, Poor//9740 (D. Walcutt). 2000-2100; FF, mx, tlk, Id's//7085 (Mayer). 0400-0500 PF, IS, ID, TC, Xx (Shaw). So RPI 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).
- 6250+ SINGAPORE GUINEA R. Malabo; 2228 SG, W anncr., H sings 'Rousina Song'. (Miller)
- 6251v KOREA-NORTH KGBS; 0440 KK exhortations and choruses. Despite WPTVH, I'm pretty sure this is a HS outlet, not PG! 12/15 (Hill). Do not confuse with R. Malabo!
- 6260 UNID. Pirate?; 1045 mx (Jackie Blue, Don't Say Why, etc.), no audible anncr. but good Mod. level (Henderson). 1013 w/cont. pop mx & no ann. 12/22 (Keeney)
- 6320 CHINA R. Peking; 1215 CC, tlk. Pbir. (Yajko).
- 6348 KOREA-SOUTH Echo of Hope; 1145-1200* KK, tlk by YL, oriental mx (Schwarz).
- 6430v VIETNAM. Hanoi, lang. lessons//10010, 7470, 4995. 14:00. (Willis-Australia).
- 6900 TURKEY Turkish Met. Sta.; 0530-0601 FT, mx, no ann. UPE 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, cmtry (Cooper)
- 7081 VIETNAM Hanoi; VV px//7375, 10060. 1100-1500 (Willis-Australia). Hoffman).
- 7085 FRANCE RPI; 2000-2100 FF, mx, tlk, Id's//6206 (Mayer).
- 7105 SPAIN RNE; 1215-1230 SS, mx, xylophone solo, tango, etc.//11920 (Earhart).
- 7110 JAV A RTU-Yogyakarta; 1132 EE, nx and cmtry (Keeney).
- 7110 USSR R. Moscow; 0630-0700 EE, nx, cmtry (McKrell).
- 7110 MALI R. Mali; *0800 on Sundays in Vernac & a little FF (Willis-Australia)
- 7120 ALBANIA R. Peking Relay; 0100-0130 EE, nx, cmtry on USA economy (Hoffman).
- 7121.6 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 ISRAEL IBA; 1800 RR, 1900 RR to 1955*. Strong but jammed. (Behr).
- 7125 POLAND R. Warsaw; 1500 CG, 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 7129 (Hill).
- 7135 USSR (Asian?); 1130-1145 RR, Mayak IS, nx, mx (Earhart).
- 7140v GREECE EIRT; *0800 Greek & other lang. Excel. (Willis-Australia).
- 7143.2 PALGERIA 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, cmtry & mx prg. (Hoffman).
- 7155 HUNGARY R. Budapest; 1225-1230* EE, xmas mx cmtry (Earhart).
- 7165 YUKU IS. VOA; 1200 EE, Nx, cmtry (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, Cress).
- 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). *.0720-0940 AA, no nx 0800 per WPTVH 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 & P*, 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 MOROCCO VOA Relay; 0415 Hungarian (?) w/EE ID & IS (Aston).
- 7220 AUSTRALIA ABC-Sydney; 1101 EE, nx about Timor (Dunn).
- 7220 UNID; 0145-0158 AA, mx, YL singing, 0200 nx. Fair but bad Qul 1/8 (Shingler).
- 7220 HUNGARY R. BUDAPEST; 0410 EE, DX prg. All freq. announced except this one (Dunn).
- 7225 PHILISTIA RTW; 2235-2330* AA, tlk, lcl mx, chanting (Schwarz).
- 7225 PHILIPPINES FBRO; 1145 JJ (?), IS, ID, rel. prg. (Pitte).
- 7225 RWANDA DW-Relay; 0415-0450 Swahili & EE, tlk, nx, mx (Thompson, Miller).
- 7235 MONGOLIA Ulan Bator R.; 1620 sharp strike or gong and flute mx, (M voice, then YL (probably sta. ID), 5 min of nx, 10 min mx. ABC GRM. Nothing on 7260 (Shaw).
- 7239+ SWAZILAND TMR; 1542 PP relig pgs. Off at 1600. Again 1652 tune-in past 1730 in vernacular, several African-style hymns & xmas mx. May be 4th new xmt. (Hill).
- 7245 USSR R. Kiev; 0325-0345 EE, gave frequencies & times, IS into Lang. prg. (Aston).
- 7245 ALGERIA RTA; 0700-0850 FF ID as 'Voici la Radio-television Algerienne' (Pollard).
- 7250 UNID. 0307 Koran, 0333 AA anet, lcl vocal. AA nx at 0402. 12/12 only. Might be Sanna, which is known to cruise the 4mb without lighting on a channel very long.
- 7252a GUINEA La. V. de la Rev; 0401-0436 FF Speech by M (Hitchell) (Hill).
- 7270 SOUTH AFRICA RSA; 0345-0410 EE 'Good Morning Africa' prg, pop mx (Ball, Schwarz).
- 7275 *0430; in Lozi. (Willis-Australia). 2050; IS - only SWSC signal on whole band (Hill)
- 7275 TUNISIA RTV; 0640 AA, Chant, CM w/Id (Mayer).
- 7275 ALBANIA R. Tirana; 1530 signing on in unid. lang. (Willis-Australia).
- 7282 GREECE BIRT (Athens or Salonika?); 1930 Grk pgs past 2000 (Behr).
- 7290 USSR (Asian) UNID.; 1320-1332 ER, H & P anncr, piano mx. Hayak IS at 1329 (Earhart)
- 7300 YEMEN R. Sanaa; 2133-2158* AA lcl chants, announcements & nx (Schwarz). 0630; AA, mx & cmtry (Leffler).
- 7305 CHINA-CLAUDESTINE V. of Malayan Rev; 2300 CC, 2320 Tamil mx//1759? (Behr, Hill).
- 7330 USSR (Asian?) Unid.; 1315-1325 ER, mx and female anncr. (Earhart).
- 7335 CHINA R. Peking; 1307 CC, IS at 1330. CHU & ?? Russian QRI (McCoy).
- 7345 CZECHOSLOVAKIA R. Prague; 1900 EE, Czech folk mx (Ball). *0100-0121 EE, TS, ID, nx, cmtry on CIA, mx, etc. (Wockner, McKrell).
- 7370 USSR (SAR EAST) R. Moscow; 1310 HS//7350 (Willis-Australia).
- 7375 CHINA R. Peking; *2329 CC, IS, ID LIA, tlk. Not// HS 11330 nor BSIT 10260 nor Amyo FG (9945), and no other CC xmas scheduled this time per TGC. (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 fq. on air from Laos (6130, 7143, 4235) (Willis-Australia)
- 7395 ISRAEL IBA; 0500-0515 EE, nx & cmtry. 0515 FF. (Hoffman).
7412. ISRAEL IBA; *0500 in EE//7395 (Willis-Australia).
- 7440 USSR R. Moscow EE; 1450-1600//7420, 7410, 7390 (Willis-Australia).
7462. ISRAEL IBA; 1900 Hebrew EE 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. (Halvey, Slaff, Ware).
- 9400 ISRAEL IBA; 2250-2305 Hebrew EE, tlk, mx, etc. (Zilmer).
- 9450 USSR Unid.; 2005-2030 RR w/operatic selections (Zuchserer).
- 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 QMI (D. Walcutt).
- 9485 FRANCE RFI; 2025 FF, RTTY QMI 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 CM. Turkey doesn't think of themselves as Arabic & nowhere in their rkd is a review of AA press listed (Slaff).
- 9510n KOREA-NORTH R. Pyongyang; //9420 in EE at 1343 cmtry about 'Great Leader'. Off 1350 after usual anthem; back 1400 in FF while 9420 switched to RR. (Hill).
- 9510 TAIWAN VOPC; 2130-2230* JJ pgs//9575, 11825 (Behr).
- 9510 VERZUELA R. Barquisimeto International; SS 2210-2230, Id's, nx (Thompson) 1225-1255; SS mx with frequent ID's (Lausevich).
- 9515 TURKEY VOT; EE nx, cmtry, 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, nx then Greek prg. (Whitacre, Tuchscherer). *0200-0230 EE, ID, IS, tlk by W, 0215 mx. Net. Jammer (maybe for R. Liberty?) (Hitchell).
- 9520 NEW ZEALAND RNZ; 0504 EE, Nx to Pacific Islands (Carr). 0950 EE, Pop mx, nx (Yajko, 9525 INDIA AIR; 1950 EE cmtry, pop mx (Miller). 2200-2230* EE nx, cmtry // Moritz) on life in India, "Mainly for Tourists" pgs. (D. Walcutt, Zilmer, Conover).
- 9535 ARGOLA Emissora 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 & cmtry (Conover).
- 9545 BYELORUSSIA SSR R. Moscow; 1432-1450, CM & 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; 1615t/in class mx in Afrikaans, IS (Dove call) per ROI 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 (OAKAR); 1100 SS tlk & Peruvian style mx (Zilmer).
- 9565 CHILE Voice of Chile; 0150 EE cntry, frequencies/schedule, IS (W. Smith).
- 9570 QATAR Qatar Bc. Serj; 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 in 9600, nothing there (Merklin)
- 9575* NIGERIA RTV Kaduna; 2200 Hausa, ex 9569//6090, tlk & chorus (Behr, Hill).
- 9580 ZAMBIA R. Zambia; 1550 Bird Call, march mx, annets in vernac and EE (Willis-Australia). 2031; EE nx, Afro. choral mx, cntry, ID's & TC's (McCoy).
- 9580 ZAMBIA-CLANDESTINE "KWACHA-ANGOLA"; *2000-2050 EE tlk by UNITA rep. about Angola, very anti-UPA pro FRLA but surprisingly conciliatory. 2046 ID and Zambian nx. //6060, 7235, 6185. (Mayer, Pollard).
- 9580 SOUTH AFRICA RSA; 0355 EE, tlk, mx, ID's. (Aston).
- 9580 AUSTRALIA R. Australia; *1115-1215 EE, IS, ID to USA (Gercken, Hoffman).
- 9580 PHILIPPINES Voice of Philippines; 1410-1555 EE, Nx, 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).
- 9585mf NEW ZEALAND RNZ; *0545 ex 9540//11780 Nx, Mx, shipping nx, sport news, Id's, etc. Bird IS at 0545. (Ball, D. Walcutt, Mayer, Willis-Australia).
- 9585mf SOUTH AFRICA RSA; *2230-2320 EE nx, cntry, "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).
- 9593,5 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. (Merklin). (I believe should be 9585).
- 9600 TAIWAN RCC; 1145-1150 w/3CC chimes on this cluttered freq, with what seemed CC ann. between playings of the IS but difficult to be sure because Australia, Korea, Uruchi and Tashkent all use 9600. Post transmission? (12/10) (Hill).
- 9600mf SPAIN RNE; 1730 AA, 1200 SS, 18:30 AA, 1900 SS//7195 QEE. (Behr).
- 9605m VATICAN CITY Vatican R.; 0110 EE nx, ID (Schwarz).
- 9605 SWEDEN R. Sweden; 1322 Swedish tlk & ID (Conover) 2315-2328* EE cntry 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 WRTVH); fair level but QEM from DW on 9610. (Hill). Ernie Behr; I believe this is the Unid. you heard 1600-1904*.
- 9615 MOORCOCC 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 QEM. (D. Walcutt).
- 9635 BRAZIL R. Aparecida; 0920 PP, light mx, some QEM from ROI-9625 (Ball).
- 9635 SINGAPORE R. Singapore; 0100-0400+ w/EE 0200-0210 (Padula-Australia).
- 9640 SPAIN RNE; 2154 SS, IS, mx, TC, Id, mx (Merklin).
- 9640 KOREA-SOUTH R. Korea; 1110-1130 EE nx, cntry & 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, Tuetscherer).
- 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 annors, 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?
- 9660 VENEZUELA R. Rumbos; 0100 SS ID's & tlk (Yajko). 0452 SS ID's (Alder). (Hill)
- 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 RFI; 2230-2245 PP unlisted in RFI sked. (Padula-Australia).
- 9670 PORTUGAL; IIRA 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 RAE; 0330-0358 EE, mx, rpt. on welfare in Argentina. EE into SS at 0358. (Jones, Pearson). 0730-0800 SS w/ER pop mx (Padula-Australia).

- 9695 SWEDEN R. Sweden; 0240-0300 EE, Panorana & Stamp Forum (Mitchell).
- 9695 AUSTRALIA ABC (Shepparton); 0820-0835 Indonesian, pop mx, Id, nx. (Earhart).
- 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 & QI, many short segments of classical mx (Schwarz). 1755 mx, Id. 1758 IS, 1800 mx. (MacCoy).
- 9710 SOUTH AFRICA SABC; 0545 EE cigarette ads, subdued rock, OM & YL annrs. (Helms). 0620-0638 EE, mx & adds till R. Nederland QM at 0626 (Earhart). 1458 EE//11955 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. Nederland; 0526 EE w/DX Juke Box (Conover). 0835-0845 EE to Australia with interviews with a Baron & a marble champion (Earhart).
- 9715 PHILIPPINES PEBB; 1516-1555 CC, tlk, relig. mx. (Mitchell).
- 9715 KUWAIT R. Kuwait; 1640-1650 AA mx and tlk by man (Horitz).
- 9715 ECUADOR HCJB; 1201-1210* Japanese. Tlk & xmas mx. (Earhart).
- 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) (Horitz, Singler, Ware). 1907-2000EE, mx, tk, Tp, Id's (Mitchell).
- 9725 SWITZERLAND SBC; 0145 EE, Id's, TC, 'Dabelino' px (Slaff).
- 9729 BURMA BBS; 0440-0600 in Burmese, mx ex 9725. (Willis & Padula-Australia).
- 9730 UGANDA UBC; 2030-2100* EE, Id, cuntry, 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 DR; 0400 (?) lang. Id, IS and nx. (Aston).
- 9740 MALAYSIA BRC Relay; 1300-1346 EE, world nx & World Radio Club (Gaff'in). 1400 EE 'Radio Newsworld' (Ball).
- 9740 UNITED AA 1345, anct at 1400 seemed Id for Saudi Arabia dominating Tebrau at that time. 12/17 (Hill).
- 9740 GREECE-VOA Relay (Naxos); 0220 in Urdu. Excellent signals. (Padula-Australia).
- 9745 AUSTRIA ORF; 1558-1606 CC, IS, ID, nx (Mitchell).
- 9745 IRAN 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 (Gaff'in).
- 9750 MEXICO UNID; 2040-2100 SS, x-mas mx, gave QM in Mexico "Respondo-Mexico-Uno-Mexico" (Lausevich).
- 9750 SWEDEN R. Sweden; 1400 EE 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 BECMS but unheard until now (Padula-Australia).
- 9755 POLAND Warsaw RS; 0835-0930 with APRIS QM (Padula-Australia).
- 9758 IRAN R. Baghdad; ex 9745 w/EE 2015. GG at 2030 & RF 2110 (Behr, Padula-Australia).
- 9757 SUNID; AA at 1815. Could this be Baghdad? (Hill).
- 9760 JAPAN NSB; 0206 in Jap. Different to 9595. (Padula-Australia).
- 9770 AUSTRALIA R. Australia; 1245 EE. Believe this is High power tx (Padula-Australia)
- 9770 HATTI 4VM; 1200-1230 EE, nx, marine weather, ID's. Heavy QM (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, Moyer). 0500-1600 AA (tentative) (Willis-Australia).
- 9780 USSR R. Kiev; *0300-0315 EE s/on into nx (Hardenter).
- 9815 ISRAEL IBA; EE 2015 with news and cuntry. (Schwarz).
- 9805 EGYPT R. Cairo; 2250-2254 EE (Alder) -sorry, out of order-
- 9838 USA BRC via VOA (Delano); 0405-0415* SS. BRC s/of then VOA s/off (Hardenter).
- 9840 AZERBAIJAN SSR R. Baku; 1610 Turkish. OM w/news, Mid-East mx. (Wayer).
- 9912 INDIA AIR; 2044 EE Program notes (Yajko).
- 9940 CHINA R. Peking; 0000 s/on IS, ID for RA service and information on Chinese medicine, mx. (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 MM. S-off w/NA. P-G (Cress).
- 11535 KOREA-NORTH R. Pyongyang; 2303 EE tlk by YL. Happy New Year wi-hes, mx. Polar Flutter (Helms, Schwarz).
- 11645 ISRAEL IBA; 2045 EE 'Jerusalem Calling' (Zilmer).
- 11647 SOHALLA R. Hargeisa; 1530-1600 in Somali w/ ID, ex 11663. *1400. (Willis-Australia). Is anyone else hearing this? Nice catch!
- 11655 ISRAEL IBA; 1215 EE, program on politics (Zilmer).
- 11695 BULGARIA-CLAUDESTINE PSYK-E-IRAN (DESPERY 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); continuous testing with taped local Id's in English at 0745, into normal RA programming 0800 when takes relay of Indonesian service. R. Moscow QRM.
- 9620 VIETNAM Liberation R. (Saigon); 0200 peaking 0230 VV tlks, Strong at times. and this item just received from the FRIENDX "DX HOTLINE":
- 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 "WRTM" 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

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Report

- 11705 FRANCE RFI; 1745-1800 EE, Paris Calling Africa, into FF at 1800 (Pitts)
- 11705 SWEDEN RS; 2358 ID, IS, SS pgm to IA, 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 Guaba; 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 Aioun, *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 ELTF; 1944-2030* EE nx, rel mx request show, rel. pgm, ID and sked (Slaff 12/20, Conover 12/31)
- 11830 CLANDESTINE V Malayian Revolution; 0500, presume Malay, unusual daytime reception (Willis-AUST)
- 11830 USA VOA-Dixon; 0030 EE nx to IA (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'camp)

- 11845 USSR RSP&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
 annmnts 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 ELTF; 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, annced freq as
 11977, Fair w/ fading (Detfelsen 12/30) //(Brown)
 11895 NORWAY NR; 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 ELTF; 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 PP, nx, poss ID, mx, f/o at 2230
 (Slaflf 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 NETE ANTILLES TWR; *0030 ID, pgm to Far East, Good (Overcamp)
 11935 SOUTH AFRICA SABC-Springbok; 1458, ID, //9710 (Willis-AUST)
 11935 BRAZIL R Cl Paranaense; 0115-0130 PP, rapid tlks, ID, P (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 EA; 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 Parsi, 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, annod // 15195, 9585 (Cohen)
 15110 FINLAND RF; 1400-1413 EE, nx, ltrbox, cmntry, 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, t/k, 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 cmtry 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, cmtry, 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, cmtry, 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; 0330 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 (Gatlin 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)
 17770NF SWEDEN RS; *1329-1345, IS, EE ID, FF pgm, GG pgm at 1345 (Conover 1/1)
 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 FRENDEX
 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, cmtry 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 t/k (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 Puesto 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, cmtry 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 FRENDEX 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: WCFR, the New York City pirate still going strong as of late Jan. weekend and seem to have stabilised on vy 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

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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 WCFR 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 WCFR 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! Tnx./Ed.

SOMALIA - 7121+, Radio 7, a reprieve, gentst Recheck of s/on at 1500 after VOA/Kav s/off showed stringed instrument IS, ID as R. Hargeisa? or Mogadishu? but no mistakes of R. Somali 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 sked for Hargeisa, not Mogadishu, and that Ginbey hears this dual 1645v, 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 1/25&26 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 xmtr for Hargeisa. (BEC MS) Promises.../Ed

LAOS - 7145, Vientiane, noted with fragmentary reception the EE xman at 1335 check, poor 141. (Don Jensen, Wis.) 7145 w/national mx at 1325. (Dan Jamison, Oh., NU) 714h past 1500 w/FF soap opera. (Ed Shaw, Cal., NU) 7145 at 1304, FF mx OM&L, 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 WCFR. 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. (Dens Lynsburg, NZDX Times) The this impossible shot due fq/time, encouraging as previously rpted totally inactive./Ed.

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

SEYCHELLES - Agreement reached w/UK for independence at midnight 6/28. Special xman? (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 buzzer snd effects and musica romantica; "Born in the Bayeau" instl version there; super sig 1/22. (Ed.)

TURKS ISLANDS - 4788, R. VSI, Grand Turk, hrd NASWA pgm 1/16 at SIO/322 lvl, bad fade and Combeins QRN; 0059 t/i 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 pgm in EE of mx 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-Shiraz 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 mx, barely audible after 1535. (Williams)

3375, AIR-Guhati, 1520-1545 on 1/24, tlk by OM in lang, anmts 1527; pips at 1529+ and then mx 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. Xmsns commence daily at 1100, sometimes as late at 1115; but the R. Andorra outlet on MW 701 kc. does not announce SW outlet. (SCDX) ~~XXXXXXXXXX~~/Ed.

CLANDESTINE - 7165, "Rusky" black clandestine to 1028 s/off w/Internationale, and then *1030-1043* signing on and off again with same. Pgm 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 BH's unid. in Jan. FRENIX. 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 mtms 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 mx 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)

SF. 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. Crowding of roosters at 2000, then ID and amnt the Angola pgm 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 DIH) is Islamabad, 1500-1810 in IS. Is in the Balti Svc to 1245 s/off, no QTH specified by implication is this is also Islamabad, not Rawalpindi. (Larry Magee, 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 AKR among other pgms. My guess is 'pindi stn will go as soon as new hi-pwred Islamabad MW xmttr is operational later this yr. (Gregg Calkin, via NU)

Dicetera - 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, gid, 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.

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* * * * *

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 FE, EI, CQ, 73, HR, and QST from 1921. No cost/charge. Write Donald Erickson, 6059 Essex St., Riverside, CA 92504

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SUNDAY

<u>GMT</u>	<u>MET</u>	
1500	0800	UN Scope
1545	0815	World News
1530	0830	English Music
1600	0900	PRG Programme
1630	0930	USSR Programme
1700	1000	English Music
1730	1030	National Anthem & Close Down

MONDAY

1500	0800	Voice of Victory
1515	0815	World News
1530	0830	Oral Roberts
1600	0900	English Music
1700	0930	G.D.R. Programme
1730	1030	National Anthem & Close Down

TUESDAY

1500	0800	Voice of Victory
1515	0815	World News
1530	0830	Frank and Ernest
1545	0845	English Music
1630	0930	Italian Programme
1700	1000	English Music
1730	1030	National Anthem & Close Down.

WEDNESDAY

1500	0800	Voice of Victory
1515	0815	World News
1530	0830	Korean Programme
1600	0900	Jack Van Impe Crusades
1630	0930	English Music
1730	1030	National Anthem & Close Down.

THURSDAY

1500	0800	Voice of Victory
1515	0815	World News
1530	0830	Czechoslovakia Programme
1600	0900	English Music
1730	1030	National Anthem & Close Down

FRIDAY

1500	0800	Voice of Victory
1515	0815	World News
1530	0830	English Music
1600	0900	English Music
1730	1030	National Anthem & Close Down

SATURDAY

1500	0800	UN Scope
1515	0815	World News
1530	0830	Hour of Decision
1600	0930	An Introductory programme on the Republic of Maldives
1630	0930	Church of the Lord Jesus Christ of the Apostolic Faith.
1730	1030	National Anthem & Close Down.

NASWA

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

Publishing **FRENEX** Monthly

Unity and Friendship

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NASWA'S DX HOTLINE is compiled twice a month, giving the DXer the very latest DX news while it is hot. The DX HOTLINE is edited by veteran DXer Ralph Perry. All reports for the DX HOTLINE go directly to Ralph at 201 E. Cook Street Apt 416, Libertyville, Illinois 60048 USA. One issue of DX HOTLINE is incorporated in each issue of FRENEX, the other issue, the Mid-Month DX HOTLINE is available in a separate mailing to NASWA members for \$ 3.00 per year in North America. It is airmailed overseas for \$ 5.00 per year. These fees are, of course, in addition to the annual membership dues.

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