

His Majesty's Government  
Department of Broadcasting  
**RADIO NEPAL**



Singha Durbar  
Kathmandu,  
Nepal.

3rd sept 1975

Dear Sir,

Many thanks for your reception report.  
I am pleased to confirm that your report was correct.

Date of reception *18.10.1973*  
Frequency *5.600 kHz*  
Time *12.40 to 12.55 G.M.T.*

Yours sincerely

(K. B. Khatri, C. Eng.)  
*Acting* Deputy Director-General

NOVEMBER 1975

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**N<sup>AS</sup>  
W A**

P.O. Box 13  
Liberty IN 47353

North American SW Association

**X D N E R F**

# Loudenboomer



## report

DXers frequently complain these days about the poor equipment situation. Dire predictions of hobby doom due to lack of equipment are heard at every turn.

So, I decided to check into things and can happily report that the picture is not nearly as dark as some would have you believe. Here's a look at some of the items soon to be on the market.

The Altruistic AWP (All Wave Portable) is a 12 transistor unit operating off two dozen penlight cells. The cabinet is of genuine imitation maple and cowhide. All dial scales and push-button band selector buttons are color-coded. The receiver covers 50 to 500 kHz, 522 to 1611 kHz, 2 to 4 MHz, 5 to 8.5 MHz, 10 to 12 and 19 to 20 MHz, as well as the 30 to 50 MHz band. A pocket at the back of the receiver holds a 48 x 60 inch color map of the world. And there is a spring action longwire antenna rolled up inside. Press a button and a self-propelled, 10 inch arrow shoots out at a 76 degree angle, trailing 130 feet of wire. A 0-10 log scale makes it a simple matter to relocate a station. Economically priced at just \$249, it makes a great second receiver or basic unit for the beginner.

In the intermediate price range you should consider the new Hammerhead DX King at \$649.50, plus speaker and AC line cord. An ingenious tuning system moves a dial pointer across a special dial scale as you select the band of frequencies you desire. The receiver is one of the crystal based type with provisions for 114, 100 kHz bands. (4.5 to 5.0 MHz not recommended). The main tuning scale runs from 0 to 100 and you must, of course, add whatever number the main tuning is set at to the figure shown on the band selector pointer dial, subtracting or adding 5kHz per hour of use for drift compensation and a factor of 0.398 when the shack temperature rises above 85. In checking this one out I found sensitivity to be excellent with HCJB easily heard over BED60 on 9743. Other features include a built-in 200kHz crystal calibrator, tone control and embossed warranty card.

For the discriminating listener, I recommend the Roder-Schwartz Ultimo One Thousand. This has got to be the last word in receivers and I can't begin to completely describe it here. Coverage is from 1kHz to 100MHz in either 100 or 1,000 kHz bands depending upon how you set the controls. A choice of 25 different selectivity settings is available. The unit has a built-in visual band display. Motorized tuning, aligns itself automatically for whatever frequency is tuned--and does it so fast that by the time you finish adjusting the main tuning to the desired frequency, the receiver has peaked itself. An "audio expander" takes the audio from a station needing heavy filtering and provides the effect of expanding it back to near normal audio by re-inserting the higher frequencies. A special switch controls a slide-back panel at the top of the receiver which exposes a hotplate for keeping your coffee ready on those all night sessions. Suffice it to say that if you want this one you'll probably have to sell your Rolls!

An interesting piece of associated gear is the MC101 monitoring console manufactured by Ripoff DX Products at \$219.95. The unit contains a pre-selector, audio filter, noise blander, digital clock, cassette recorder, airmail stamp dispenser, antenna switching unit, crystal calibrator and a 4 x 6 area covered by clear plastic under which you can insert cards (available at slight additional cost) with important data you wish to keep close by, such as the latest Maldives schedule, club expiration dates or whatever.

I hope the above will serve to dispel any doubts you might have had about the so-called "sorry state of equipment" because, as you can see, quite to the contrary, things are very rosy indeed!

# NASWA

A REPORT FROM  
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.  
NOVEMBER, 1975

**"DXING ACCORDING TO NASWA"** We call to attention, the center fold page which announces that Ed Shaw's book is now available. We have reproduced the table of contents in order to give an idea of the subjects covered. The price is \$2.50 plus .50¢ postage and handling mailed anywhere in North America. The mailing cost is an additional \$1.00 for airmail outside North America. We expect a lot of orders at the beginning, so give some extra time to get your copy mailed.

**MEMBERSHIP DUES TO INCREASE:** In anticipation of the new postal rates which are scheduled to go in effect at the end of December, we have no choice but to increase membership dues accordingly. From the mailing cover, you will note the cost of membership is increased \$1.00 per year. Overseas airmail charges are likewise increased since the cost of sending printed matter by airmail will increase substantial. The cost of "DX Hotline" (formerly FlashSheet) is increased to \$3.00 per year. Part of this increase is because we have found that publishing costs are higher in Park Forest than they were when Dan Ferguson was publishing this on the club's printing machine in Charleston. These increases are effective immediately, however those checks that are now in the mail at the old rates will be honored through November only.

We are sorry to have to increase the cost of membership, and if we sent just a few bulletins each month the increase might not be necessary, but in mailing over 10,000 copies of FRENDX in a years time, even a slight increase in postal rates is substantial in total.

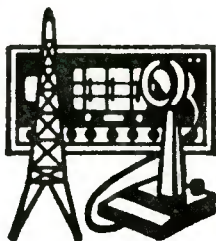
**PEOPLE AND PLACES:** An awful lot of you people out there are moving around on us and not letting us know about it. A June FRENDX was mailed to a member at his listed California address was returned to marked "Addressee Unknown - No forwarding Address". A couple of weeks ago we received a letter from South Carolina saying "I don't know where you are mailing my FRENDX's, but I haven't gotten one since May". If we don't know where you are, we can't send them to you. Now that the Postal Service has increased their "Address Correction Requested" fee from .10¢ to .25¢, we will no longer ask for this service, so it'll be up to anyone on the move to tell us about it.

**BITS AND PIECES:** LARRY MAGNE will be representing NASWA's interests at the ITU World Administration Radio Conference chaired by the FCC in Washington, D.C. on October 21, 1975.....PERRY FERRELL of Gilfer Associates writes to say that he will be having a shipment of 1976 WRTH air freighted to Park Ridge to fill advance orders for WRTH-76 which has been promised him by January 15, 1976 which would mean that Gilfer should have advance orders shipped by January 26 at the latest.....EDWARD J. PYATT calls attention to a DX supply house in Finland that offers a few products that may be of some interest. Space does not permit a full list, so if anyone is interested, write direct to DX-Service, SF-10650 Vantaa 65, Finland. (A couple of IRC's might be in order).....JIM HAGEN reports that Mr. Sam Consalvo, 4905 Roanne Drive, Washington, DC 20021 can furnish operation manuals for Government surplus equipment such as the R-390A, etc.....DENIS BEAUREGARD 2425 St. Antoine, Lachine, P.Q., Canada tells us about their DX Club "Club Ondes Courtes Candiac" which publishes a fourteen page bulletin "L'onde" for French speaking North American DXers. The club has 31 members and is a year old.....WALT SHARP, 1301 Morgan Avenue, Cinnaminson, NJ 08077 says that The South Jersey SWC is looking for DXers to help organize the club. Potential members must be from New Jersey.....CIRO GUARDUCCI, P.O. Box 173, Cassiar, B.C., Canada asks if anyone can advise him the name of a dealer who might be able to furnish the Yaesu FR-101 receiver as mentioned in the Nov. 1974 issue of FRENDX.....TED POLING, Director for HAP Program calls attention to the HAP year end fund drive. This year's fund drive will operate as in the past. Donors should send their contributions along with their club affiliation to HAP HDQ, P.O. Box 163, Mt. Sterling, IL 62353. Each club will receive a list of individual donors, and the total donated by each club in time for the January bulletins. This drive will allow each club member to help HAP in a direct individual way. Continued help can make it possible for HAP to continue it's work for the handicapped..... Thanks to DIANE LEVESQUE for the new masthead for the Scoreboard section which will appear with the December Scoreboard listing. Editor Neal Perdue also asks that requests for the NASWA country list be directed to Headquarters rather than to him.....DON JENSEN says he hopes to have a new country list ready to publish by early December.

M. R. Leonhardt, Executive Editor

# Shortwave

# Center



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

NOVEMBER 1975

Timely material should be in my hands by the 10th of the month. If you wish a reply or return of material, please include a SASE. Thanks to all of our many contributors.

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## SUMMER RECEPTION IN EUROPE

by Richard E. Wood - Garden City NY

This summer I returned to my native Scotland and also traveled to Holland. In both countries I had access to shortwave receivers - in Scotland, a small portable, the Japanese Decca PR-209, and in Holland, a very good Philips domestic receiver. The experience, covering the months of July and August, was sufficient to refamiliarize myself with typical summer reception in the northwest coastal region of Europe, the area where I began DXing in 1957, and to compare it with conditions on ECNA using simple receivers.

My main observation was the general dominance of transmissions from the Eurasian landmass and Mediterranean basin during the daylight and early evening hours. However a few Latin American stations were heard, particularly in the international bands. The best and most consistent was something of a surprise - R Nacional de Brasilia, 15245. Its European service in English at 2100, followed by A Voz do Brasil at 2200, provided excellent listening. Second best was Trans-world Radio, Bonaire, with European service (French 2200-2215) on 15275. HCJB was the first SWBC which I verified from England in 1957. It was on 15115 then, just as it is now and just as good. The Swedish service was also heard on 15305. However, Quito was not heard nightly, in contrast to the more easterly stations, RNB and TWR/B. Havana's European services, being mostly in the early evening, were not good, but by 2200 Havana was becoming dominant on several 19 mb channels in Spanish. Radio Nederland Bonaire was heard on 19 and 25 meters. Finally, RAE Buenos Aires was reasonably heard in its European service around 2200 on 11710, but had splash from Sweden 11705 and others. The 60 mb opened up to Brazil around 2200 and to Venezuela, etc., about 2300. Latin American DX-ing in Europe is definitely a midnight to dawn pursuit.

RGI was the most consistent signal from North America. 15325 generally faded in around 1800 or 1900 and rose to be the loudest signal on the band on good nights by late evening. 11865 was less consistent but often good. The Northern Service, though Europe is surely not on the beam, was very good on 11720 and 9625 around 2300. VoA Greenville was often good by min-evening on various 16, 19, and 25 mb channels. AFRTS Greenville 15430 and 11790 were fair to good. WYFR, KGEI, and WINB were not heard at all. No west coast VoA outlets were heard. The impression gathered was that eight time zones west, over the pole, is a much more challenging path than eight time zones east.

The Eurasian landmass provided the basic stock of stations heard at high level every day. Radio Peking to Europe is a very similar situation to Radio Moscow in Eastern North America. Compare the two azimuths - ECNA to European Russia is a span of eight time zones, a sub-polar path. Likewise, western Europe to Peking is a stretch of eight time zones in a similar direction. During the summer in Europe, Peking was therefore audible evenings on roughly the same gamut of frequencies as might be expected for European Soviet stations in North America. 19 m was marginal and only heard in the early evening; 25 and 31 m were strong; 41 m fair; and weak or absent signals on 49 m. The only times when Peking is inaudible are between dawn in China (say 0100) and around dawn in Western Europe (say 0700).

At that time those familiar channels of 15060, 15095, etc., begin to fade in again, to peak around 0930. There is another period of poor Peking reception when daylight absorption is at its highest, at local noon (1200 GMT). The main period of Peking audibility begins as early as 1300 with the Russian service, often jammed with a distorted Mayak signal. Reception from the Far East and Australia peaked around 1400-1600. Typical of reception at this time were good signals from VoA Philippines on 11965 and the gradual build-up of potent signals from Radio Australia, beamed to Asia on 9770 and 11825. Many Soviet Far East stations were heard, mostly with Radio Moscow's Chinese service.

By 6 p.m. local (1700 GMT) Radio Peking was beginning services beamed to Europe and Africa on the fringes of the 41, 31, 25, and (in early evening) 19 meter bands. Even taking it for granted that some of these come from transmitters in western China, reception was remarkable on a multitude of frequencies and in many languages. It is interesting to note, for example, that Peking transmits direct to Albania although Albania's own internal broadcasting reflects the Chinese line. Reception of Peking's Quechua broadcast at 2230-2255 was so local in quality that I wondered whether it could have been shipped on tape for broadcast in Tirana.

One item I particularly wanted to check on, but where I met with disappointment, were Peking's daytime broadcasts to Europe listed in the WRTH, e.g. Italian (on freqs. as low as 5250) at 1100-1200 and French at 1130-1200. Although the frequencies listed are typical Peking choices, most of them seem unsuitable for reaching southern Europe in broad daylight. Hence, I thought it possible that they might be Tirana relays, although Tirana has never yet been identified as relaying Peking shortwave transmissions to Europe. Disappointingly, the noontime transmissions were inaudible, but that inaudibility in itself is significant since Tirana would be heard at that time.

Turning to the rest of Asia, All India Radio was a station which found me listening regularly. The European service at 1745-2230 on 7215, 9525, and 11620, and from 1945 additionally on 9912, was superbly received. Political events in India at the time were of unprecedented interest and AIR is not generally as good on ECNA, so it was a pleasure to listen to it at local strength. Other services of AIR were also heard, including the recently introduced Russian service. Best frequencies from Radio Pakistan were 15115 at 1100-1115 for the inimitable dictation-speed news, 15520 in the afternoons for interesting news on the Bangladesh revolution, and in the evening 9485 with the Turkish service at 1800-1900, and the European service later on 9465. The European service of Radio Pyongyang was heard on 9415 right next to one of the BBC's main frequencies. Hanoi, too, was heard at various times on 10040 and 12035; the best reception being in the 1600-1800 time segment.

When I was DXing in Britain from 1957-1963, I was a regular listener to the morning European service of Radio Australia which, then, enjoyed a popularity and consistency of reception equivalent to that of the corresponding ABC morning broadcast to North America. But this summer, due to the combined factors of low sunspot activity and high European QRM, reception was poor to nil in the 31 and 19 mbs. I did experience mid-evening reception of RA, though quite inconsistently, at Australian dawn, around 1900-2000 GMT, when the Pacific service was on 11840. The afternoon (GMT) opening to Australia remained the main one.

Japan to Scotland is a polar azimuth and it is not surprising that NHK is by no means as regularly heard as Peking. The only reception time was around 9 a.m. local (0800 GMT) when the European service was loudly heard in English on 15430 and the General service more weakly on 15195. On mornings of disturbed propagation both were inaudible. I would, however, say that the signal on good mornings was better than I have heard from NHK on ECNA. There was no flutter, which is seldom absent from the NHK signal in New York. The evening European service, listed for the 41 and 31 mbs at peak evening listening time (1800-1930) was a washout, swamped by European stations. Peking wisely operates outside the bands. Japan, though propagationally far less well located than Peking, is too law-abiding to do so.

African stations were not as evident as is the case in the Americas. The reason is that they are located due south and do not enjoy the valuable advantages of darkness into daylight transmission which brings Moscow, AIR, Peking, etc., in at such strength to Western Europe. During the summer months, at least, the high-frequency bands were never observed to be open only to the deep south. Rather, 19 meters generally provided potent signals from Iran 15084, Ankara 15165, the RFE outlets in Portugal, Radio Liberty in Spain, and at different times a variety of short-skip stations from almost any part of Europe. Hence, Radio RSA's European services, though heard, were not generally interference-free. Best frequencies for R RSA were 15155 and 11900. By the beginning of the North American service at 2225, the MUF had dropped drastically so that only 5985 was heard. The only black African station heard was Mali on 5995. Numerous North African stations were heard all day, e.g. Algiers 9685, Morocco 11735, Cairo 11630. The entire Middle East was very dominant; Peyk-e-Iran still going strong in Farsi, Azerbaijanian and Kurdish, Iran itself always blaring on 15084 and in darkness on 9022. Israel was heard not only on many foreign service frequencies, but also with the home service relay all day on 15345 and 11645 and nights on 9495. Kuwait was heard on 11940 over or under Bucharest. Africa though was good on 60 and 90 meters from dusk to dawn.

The closest continental country to Scotland is Norway, so it is no surprise that Scandinavia was dominant on most bands. Daytimes, for example, Norway 6185, when on the

air, was the loudest on the band. Likewise, Finland 9550 was consistently louder, in daylight, than adjacent DW 9545 or SBC 9535. Finland 11755, 15 kw, which I have yet to hear in the U.S., was equally good. 6120 was sometimes noted. Of two stations with good noontime English broadcasts on 31 m, Sweden 9630 was much louder than SBC 9535. By comparison, southern Europe was not as dominant as it is in the U.S. Spain was heard mostly on 7105 for Spaniards abroad. Portugal's EN was quite inconsistent, depending on evening skip distance for irregular reception on 15295, 15315 or 15340, so that for coverage of current events in Portugal I had to rely mainly on late-evening reception of a MW station there. Adventest World Radio via Sines, 9670, was however booming. The daytime lineup of the bands in Scotland was as follows. 49m; Norway 6185 and France-Inter Issoudun 6175 loudest, DW 6075 and other germans plus RNW 6045 next, weak signals from Prague 6055 and others. 41 m; Budapest 7220 was notably loud, plus other Central Europeans. 31 m; mainly northern and central Europe, Scandinavia, Germany, Prague, Budapest, Moscow's British noontime service on 9450 not quite at strain-free level, Algiers 9685 surprisingly good, RBI's long Arabic broadcast at 1100-1400 on 9730. 25 m; All Europe and Middle East, a very crowded band at all times. Although on numerous parallel channels, Radio Moscow's 1130-1230 British service did not provide interference-free reception on a single frequency. The shotgun technique, if all shots are misplaced, does not work. RBI in Arabic on 11700 was as outstanding as 9730. 19 m; this band, which might, had it been clearer, have provided reception of stateside VoA outlets and other distant daylight to daylight stations, was dominated by numerous Radio France channels, plus Radio Liberty and its jammers. Athens' Balkan-language service 1600-1715 was good on 15345. Northern Europe was more variable from day to day, though Finland 15185 was always good.

I would conclude by saying that, on the whole, East Coast North America seems to be a better location for listening in the international broadcast bands, rather than Europe. Europe and adjacent developed parts of Asia contain so many powerful stations that one is dominated by them. One feels quite remote from the Americas. The U.S. West Coast, eight time zones away, seems infinitely more difficult to receive than Peking, eight time zones east. Europe would be a good location for a DXer interested in Far Eastern stations, that tend to be difficult on ECNA. But the U.S. DXer has at least as good a shot at Africa, a better one, on the whole, at Latin America and the Pacific Islands (especially Tahiti). Evening short skip tends to be an annoying phenomenon, bringing unwanted stations from a few hundred to one or two thousand miles in on bands which ought more productively to be dominated by transoceanic stations. The locations which can provide short skip for the U.S. are mercifully few, mostly Greenville and Havana, whereas short skip evenings in Western Europe on 19 and 25 meters will show, at any given date and time, a booming DW, or Sweden, or Bucharest, or perhaps Brussels. Combine several of these and many good DX chances are lost. A fairly rational test of the quality of a DX location would be to take the mean of the distance of all SWBC stations audible at a given moment. At local noon in New York, it might be 3000 miles. In Perth, Scotland, it might hardly exceed 1000 miles. So, American DXers should count their blessings.

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THE REALISTIC **DX-160**

reviewed by Brian Levy, Atlanta GA and Daniel McCarthy, Terre Haute, IN

The Realistic DX-160 is a totally solid state communications receiver covering 150-400 kHz longwave and 535 kHz to 30 mhz in five bands. The receiver operates from any 120 volt AC source or a 12 volt DC negative ground supply. Front panel controls include a variable BFO, AF gain, antenna trimmer, band selector, RF gain, a slide switch operated automatic noise limiter, AM-SSB/CW mode switch, fast-slow automatic volume control, and a stand-by switch. The receiver is equipped with an S-meter (very generous to weak stations) and a headphone jack is located conveniently on the front panel, well away from controls with which it could interfere. An external speaker is needed however.

Tuning is split up in five bands, A is longwave, B is standard broadcast, C covers



Realistic® DX-160 HAM/SWL SSB/CB Receiver

1.55 to 4.5 mHz, D covers 4.5-13 mHz, and E covers 13-30 mHz. Tuning for SWBC stations is accomplished through three stages. First, one sets the main tuning knob (located at the extreme right of the front panel) to any of several white dots on the main tuning dial. Each white dot represents the location of a particular international broadcasting band. After having set the main tuning, the operator rotates the bandspread knob (on the extreme left of the front panel) until he reaches the signal which he wants to identify or listen to. Having the station tuned in, he looks at the log scale of the bandspread calibration dial. The log scale is then matched with the shortwave frequency conversion data in the owners manual. Depending on your accuracy in reading the conversion data, you can normally read the frequency within about 5 kHz.

You have by now recognized the major downfall of the DX-160. The bandspread is calibrated for the ham bands, therefore it is necessary to resort to using the log scale and shortwave conversion data in the manual or graphs of your own making. This is time consuming and limits accuracy in frequency determination. It is difficult to line up the main dial pointer accurately and the receiver does not have a crystal calibrator that could serve to calibrate the main pointer a little better.

You can construct your own graphs and use frequency marker stations (WWV, CHU) for alignment of the main tuning dial. Dan McCarthy reports the following accuracies.

- down from WWV 10000 to 9200           +5 KHz
- down from WWV 5000 to 4865           +2 KHz
- up from WWV 15000 to 15445           +10 KHz
- up from WWV 5000 to 5041 &
- 5065 to 5095\*                       +2 KHz
- up and down from CHU 7330           +5 KHz
- up and down from CHU 3330           +7.5 KHz

On other frequencies, using a chart, I can usually get within 5 to 10 kHz, except 11600-12100 and 17000 KHz region when I can only get within ± 25 KHz.

\* from 5041-5065 there is an internal spur with stations from 5940-5980.

Brian Levy reports that he is a part time salesman for Radio Shack and has sold several DX-160s, none of them to hams. He hopes that they will modify the bandspread to calibrate the shortwave broadcast bands and include a crystal calibrator. Apart from the problem of tuning the radio, it is a fine receiver. Brian has owned his for a year and has had no trouble with it. He has logged 55 countries and Dan has logged 95. Some owners have logged well over 100. The Sensitivity for the AM band is 100 microvolts for 10 dB, but gets much better on the SWBC bands (3-4 microvolts for 10 dB S+N/N ratio). Selectivity is 4 kHz at -6 dB and 18 kHz at -40 dB. The receiver includes FET's in all critical stages.

The receiver is ideal as a relatively low priced, good communications rig, priced at \$159.95. It is widely used by beginning DXers and SWLs. It is a much better buy than portables that cost almost as much and offer a lot less, and it is a darn sight cheaper than a Drake SSR-1 or a Barlow Wadley. The tuning problem is all that keeps it from being a good tool for serious DX. Conclusion, for \$160 you can enjoy yourself and hear over 100 countries

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IMPROVING YOUR HEATHKIT **SW-717** by Bob Underdown, Siloam Springs AR

I recently read in a receiver survey in the June edition of HCJB's Index magazine that the Heathkit SW-717 was rated fourth among the membership of Index International (after the DX-150 A&B, both first, the DX-160 second, and the SX-190 third). Since Heath probably sells hundreds of their SW-717s in kit form, I thought I might be able to reach some of these fellow SW-717 owners with a hint to improve their receivers.

First, as any owner can tell you, the original bandspread of the SW-717 is thoroughly inadequate for serious DXing, since it doesn't allow the listener to calculate the frequency accurately. There is practically no way to add a number dial knob so you can use graphs for frequency interpolation with any kind of accuracy because of the 3 to 1 turning ratio of the tuner capacitor used in the bandspread itself. The only thing I can suggest is to replace the tuner capacitor with a similar size capacitor with a regular type 1 to 1 turning ratio shaft. This new tuner should have the same value or slightly higher (the higher the value the wider the range the bandspread will cover. I've had excellent results with a single gang 0-12 pf (mmfd) though Heathkit used a 0-5.9 pf capacitor).

Removing the old tuner capacitor was easy as putting it in was, referring back to page 18 of the manual, I removed the two 3/8th inch screws holding the capacitor's body and the single 3/8th screw holding the ground solder lug. After desoldering the yellow wire leading from the bandswitch and loosening the setscrew on the "string" tuning system's pulley, I slid the old capacitor out and replaced it with the new straight shaft capacitor. After you have changed the old tuner, you should now add a vernier dial to be used with graphs for frequency interpolation. The shaft of the new tuning capacitor should be shortened, if necessary, to allow the vernier dial to be installed. A good vernier is the 8 to 1 ratio precision vernier dial, Lafayette 99-F-60311, shown on page 137 of the 1975 Lafayette catalog. This dial has markings of 0-100 which is perfect for frequency interpolation

graphs. With a crystal calibrator and carefully made graphs you can get accuracy of  $\pm 5$  kHz on some bands. The major problem with graphs is that the SW-717 tends to drift slightly and this can throw your graphs off as much as 15 kHz at times. This can be overcome by using Ken Duke's formula featured in the June FRENDX article Frequency Interpolation without Graphs. Using his formula you can get as close as 1 kHz! Not bad for a \$60 short-wave radio.

A word of warning in closing. Heath takes a dim view of modifying your kit and it will probably void any guarantee. I can't see how this modification would harm your receiver. With the 0-12 pf tuner capacitor, tuning SSB signals on the highest band is more difficult than before, so if you are interested in Ham listening on the 20, 15 and 10 meter bands, I would suggest further experimenting with a capacitor with a range of less than 0-12 pf. For normal SWBC use the 0-12 pf capacitor is perfect.

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## Paz y Bien

by John Moritz, Jr., Youngstown OH

The studios and transmitters of Radio Paz y Bien are located about 80 miles south of Quito in the city of Ambato, Ecuador. This low-powered Ecuadorian, whose transmitter and simple dipole antenna radiate 2000 wats of power, broadcasts on shortwave on 4820 kHz. All programming is in Spanish, with the exception of two 15 minute broadcasts in Quechua each week. Weekdays the program schedule is from 0930 to 1400 and again from 2300 to 0300 GMT. On Sundays the schedule runs from 1100 to 1400 and 2300-0400 GMT. This schedule is quite flexible, however, as any special event, that may be of interest to their listeners, incurs an extension of program time.

Radio Paz y Bien uses two studios, one for broadcasting and one for recording. The first houses a Grommes mixer, a Sony tape recorder and two turntables. The second and larger studio contains two AKAI monaural and one Sony stereo recorder. Other equipment includes two 8-track cartridge recorders and a Hammarlund HQ-100A receiver. The Hammarlund is used for monitoring and pick-up for retransmission. Future plans include the building of a new and more modern unit to house both studios and offices. The directors are also considering opening up an FM outlet to go with the shortwave outlet and their medium wave transmissions on 1345 kHz. The medium wave transmitter puts out 5000 wats and is operated from 0930 to 0300 weekdays and 1100 to 0400 on Sundays.

Radio Paz y Bien welcomes reception reports. They ask that the reports be sent in Spanish and that return postage be included. Unused Ecuadorian stamps seem to work best as they have trouble with IRC's. Verification is by letter or QSL card. They have no pennants. If you log this colorful little station, try sending your report to Radio Paz y Bien, Casilla 94, Ambato, Ecuador. This feature was edited and rearranged from the September issue of HCJB's Index International by John Moritz, Jr.

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THE VANCOUVER SUN: FRI, AUG. 1, 1975

By JON ZIOMEK

For eight years, the defector from Poland had been working for Radio Free Europe in West Germany, eventually working his way up to becoming an on-the-air commentator. Then he went back to Poland and became a prominent Polish television personality, broadcasting about the terrible life in the West.

The man, it turned out, had been a spy all along — a plant by the Polish secret service.

That sounds like a story from the Cold War days of the 1960s, but it isn't, said Sig Mickelson. It happened recently.

Mickelson is the new president of the recently merged Radio Free Europe and Radio Liberty. The United States funds these two news-dispensing organizations at a cost of \$50 million a year.

Radio Liberty broadcasts exclusively into the Soviet Union. Radio Free Europe sends its signals into the other Eastern European Communist countries. Each sends out about 20 hours of programming a day, mostly news and information.

Isn't Radio Free Europe, born at the height of the Cold War in 1950, something of an anachronism?

Not with Cold War-like incidents such as that of the Polish defector still going on, answered Mickelson, who is on leave from Northwestern University's Medill School of

## RFE still spreading the word

Journalism. He assumed his new position this month.

However, he conceded with a dry smile, "The service was originally conceived as one that would keep the liberalist fires burning" in the Communist countries. "But now, this is simply a straightforward, objective, factual, unemotional presentation of news into those countries." The organizations have the same news standards as American wire services like Associated Press and United Press International, he said.

But in these days of détente, don't the Soviets and their allies object to our broad casts? "Detente works better when both sides are well informed," he answered.

But how is it possible to be totally objective in news reporting when a major power, the United States, is footing the bill?

The funding is filtered through a Board for International Broadcasting, set up last year to take some of the controversy out of the operation, Mickelson explained. The CIA used to be the funding agent for the two operations.

via Jeff Bowlsby  
Vancouver BC  
via Brandon Lovett  
Dayton Daily News 13 Sept.

## Egypt Ends Radio Attacks

CAIRO — (UPI) — Egypt has stopped all radio propaganda broadcasts against Israel in a move apparently connected with the new peace accord between the two countries, a highly placed official source in Tel Aviv said today.

Egypt's three main radio stations, Voice of the Arabs, Cairo Radio and Middle East Radio reportedly stopped broadcasting the propaganda last month.

The source said "it was a gradual process ending within the past two to three weeks before the signing" of the interim peace pact in Geneva on Sept. 4.



POWER FOR THE

**R392/URR**

by Joseph F. Stephany, Sodus NY

The high performance military surplus receiver, the R392/URR has already been reviewed in the May 1975 FRENEX by Morrie Goldman. Little can be added to describe its excellent sensitivity, selectivity, and stability. It is mechanically as solid as a receiver can be and is designed to be operated totally submerged in water as well as air dropped. The R392 is the field version of the R390 (Reviewed in October FRENEX) which by many is considered the best receiver ever made.

The power required for the operation of the R392/URR is 24 to 30 volts DC at about 3 amps. With a conventional power supply with no regulation several difficulties arise: 1. The best signal to noise ratio occurs with the highest allowed voltage on the plates. However, since the same voltage is applied to the filament the filaments run too close to the high side of their recommended rating of 26.5 volts. 2. The oven for the calibrator crystal caused the applied voltage to fluctuate up and down by several volts as the thermostat opened and closed. This causes the BFO filament to heat up and cool off slightly causing a small variation in cathode to filament capacity. This in turn caused the BFO to shift up and down in frequency by a few hundred Hertz because the cathode to filament capacity is in parallel with the BFO coil. This effect resulted in a loss of calibration accuracy and the inability to copy SSB. 3. A small but noticeable AC power hum was present.

It was decided that regulation was necessary. With the availability of low-cost semiconductor and integrated circuits this is not a difficult nor expensive task. The schematic diagram (on page 7) shows the final configuration. A parts list is included at the end of the instructions. The bridge rectifier CR1 and power transistor Q1 are well over-rated so that the fuse will blow before they will in case of a short. The two paralleled power transformers must be properly phased so that their output voltage is 29 volts across each secondary: If 19 volts AC is measured across both secondaries, reverse the two green leads on the 5 volt secondaries. Capacitor C1 is to suppress transients that radiate from the rectifier and should not be left out. Due to the large power delivered by this supply (90 watts) a cooling fan was found to be desirable but not entirely necessary. The flow of air was directed between T1 and T2 and over Q1, which are the hottest components. IC1 and IC2 should be kept well away from T1, T2, and Q1 to avoid heating them. A resistor was placed in series with the cooling fan to reduce audible noise since only a very small flow of air was found to be necessary. If the cooling fan is not used, Q1 should be mounted in a heat sink instead of against the chassis. R5 may be raised to 500 ohms if an extremely low noise level is desired. If the separate plate and filament regulators are not desired, CR2, C3, IC2, R3, and R4 may be left out and A must be jumpered to D. This will cause about a 10dB loss in signal strength and a loss in audio punch. The entire supply was placed in a 7 by 13 inch aluminum chassis with plenty of room left for an audio amplifier for a speaker and preselector (like any receiver of this type, a loss of gain on the higher frequencies is noticeable due to lack of proper match with the antenna). As a final note be sure to ground the chassis to a good ground for safety's sake as well as improved performance and also insulate IC1, IC2, and Q1 from the chassis with proper hardware. Also the ground on the receiver, pin E of J 103, should be directly connected to the ground pin on the phone jack to reduce hum to absolute minimum.

R2 should be set so that 26.5 volts are applied to pin D with the receiver on and R4 adjusted so that 30 volts are applied to pin A. This, I have found results in the best operation. With the regulated supply, the receiver is dead stable enabling exact frequency measurements (to 100 Hertz). It is a pleasure to tune to SSB using the BFO, and it is now possible to use exalted carrier reception on rapidly fading stations with ease.

## PARTS LIST

CR1: 25 amp 200 VPI Bridge Rectifier. CR2: 1N4002 or any 1 amp diode. C1: .05 uFd 200 Volts. C2 and C3: 2000 uFd 50 volts electrolytics. IC1 and IC2: LM340K-24 is best but LM340T-24 costs a little less. Q1: RCA SK3012 or any similar high current PNP transistor. R1: 1K 2 watts. R2, R4: 200 ohm trimmers. R3: 680 ohms, 2 watts. T1, T2: Fair Radio FA-6705 transformers wired for 29 volts or similar transformer rated for not more than 33 volts and at least 6 amps resistive load. Fan and motor: B and F HIF-002 or similar phono motor type fan. R5: 250 ohms 10 watts. The total cost of parts is about \$25, not including chassis and hardware. SEE PAGE 7 FOR DIAGRAM.

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A 10 MINUTE CHALLENGE From Al Sizer, New Haven CT

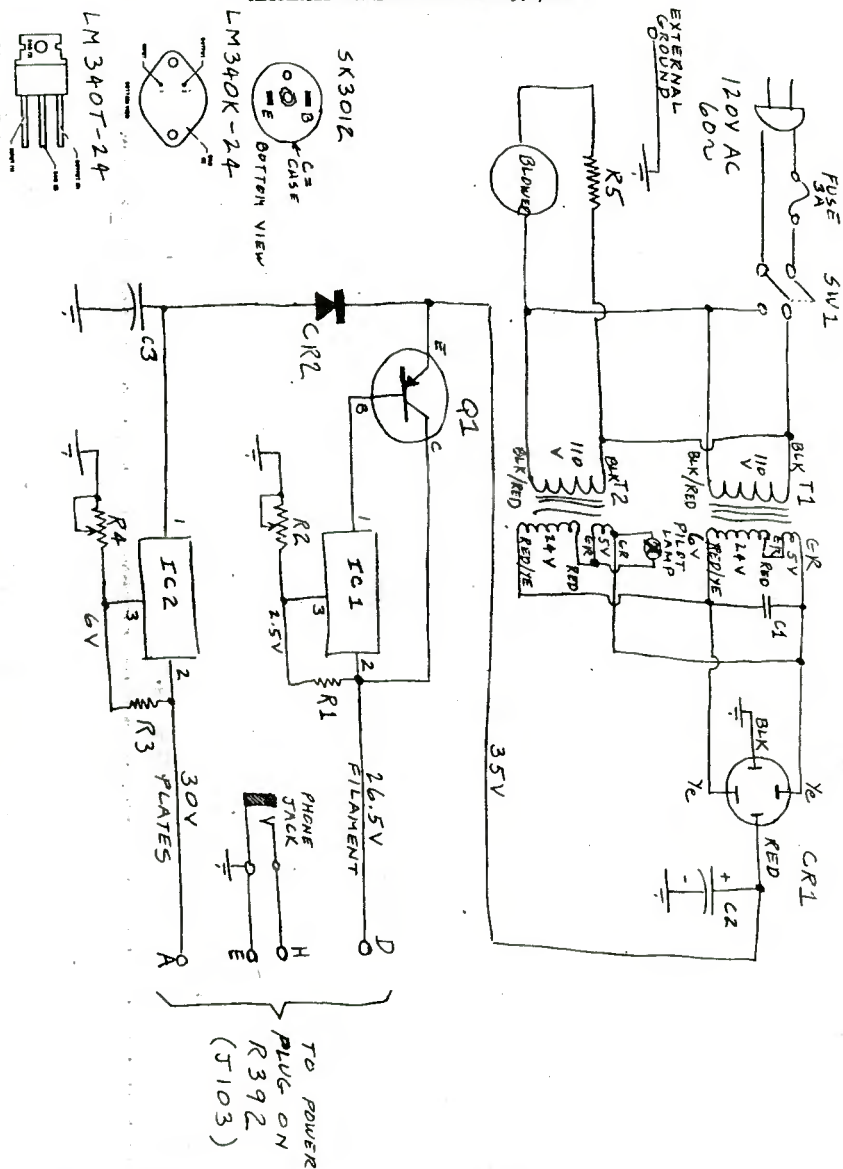
OK fellow DXers, how about taking part in a friendly competition?

Take 10 consecutive minutes, any time of day, and any frequencies you want, and see how many countries you can log

in that time. Remember - - the minutes must be consecutive! You are on your honor on this since you obviously can't wait to ID stations. You go on past experience and current loggings of yourself and fellow DXers. For a starter, see if you can beat us. On Saturday 13 September, from 2223 to 2233 GMT we logged 22 countries as follows, from 5047

**Mailbag**

REGULATED POWER SUPPLY FOR R392/URR



A1 Sizer 10 Minute Challenge cont.: . . . to 4755 KHz. 5047 Togc; 5042 Guinea-Bissau; 5030 Venezuela; 5020 Niger; 4985 Brazil; 4972 Camerouns; 4940 Ivory Coast; 4930 Dominican Republic; 4915 Ghana; 4910 Guinea-Conakry; 4904 Chad; 4890 Senegal; 4875 South Africa; 4870 Dahomey; 4865 Azores; 4860 Angola, 4850 Mauritania; 4820 Gambia, 4815 Upper Volta; 4783 Mali; 4777 Gabon; 4770 Liberia.

Richard Schwartz of Dover DE reports he recently attempted to purchase a R-390 from a radio sales company in Lima, OH (name available on request). The receiver was packed in excelsior and linty rags. The radio was generally defective and mis-aligned in spite of a check-out tag applied. See the September SWC for more discussion of the problems of surplus equipment. Richard apparently got the company to take back the dog though.

# Portugal

The following appeared in the 8 October issue of THE GUARDIAN a left wing newspaper and was written by D. C. Knight from Lisbon and was entitled "Fight for Media in Lisbon". Submitted by Mark Mohrmann, Syracuse.

Portugese military units were ordered to occupy all radio and TV stations in Lisbon on the morning of Sept. 29 in an effort to suppress leftist criticism of the government of Premier Jose Azevedo. But opposition was swiftly mobilized against the move and in several cases the soldiers sent to occupy the stations were won over by the leftist broadcast staffs. . . . Opposition was mobilized by the Front of Revolutionary Unity (FUR), a coalition of several leftist groups. They issued leaflets calling for a general strike and militant demonstrations. . . . A demonstration of about 200 FUR members assembled outside Radio Clube de Portugal by 11 AM and chanted slogans.

Meanwhile, inside one station, the radio workers talked with the soldiers and prevailed on them to announce that they were returning the station to the control of its workers. By 1 PM about 1000 people has assembled in the Rossio Plaza in downtown Lisbon to protest the government action and they marched to Radio Renascença, the station which leftist workers seized last spring. By the time they had marched the  $\frac{1}{4}$  mile to the station, their ranks has swelled to 2000. Within an hour, the soldiers who were occupying the station had also met among themselves and decided to return control of the station to its workers.

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**WHAT IS A MUF?** by Jerry A. Lineback

MUF stands for Maximum Useable Frequency, a term important to point to point broadcasters and sometimes heard referring to shortwave broadcasting. There are several ways in which the MUF can be defined or measured. It can be measured at any point by transmitting a signal vertically. Depending on the ionization density at each ionospheric layer, there is a critical or highest frequency at which the layer will reflect the wave. Radio-waves with frequencies higher than this frequency will pass through the layer.

At oblique incidence, the usual case in SWBC, the MUF is approximately equal to the critical frequency at the reflection point multiplied by the secant of the angle of incidence of the wave with the reflecting layer. This simple relationship must be further corrected for the distances involved and the vertical distribution of ionization.

The critical frequency varies at any point with local time of day, season, latitude, and solar cycle. Abnormal ionization will also affect the MUF. Ionospheric losses in signal strength are at a minimum near the MUF and increase rapidly for lower frequencies during daylight.

The operational MUF for any multi-hop path is dependent on the lowest MUF at any reflection point along the signal path. This can be very difficult to predict for complex multi-hop transmissions. There is also a MUF or Lowest Useable Frequency. During daylight this is important because lower frequency signals are absorbed by the ionosphere.

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## Ionospheric Conditions

 by Jerry A. Lineback

Conditions during the latter part of September and the first part of October were generally quiet except for 6-10 October when they were moderately disturbed. This was the most significant disturbance of the geomagnetic field and the ionosphere since April 1975. The A index reached 35 on the 9th. Solar activity remained low and the cyclic peak on 2 October was only 78. Solar activity may peak again about 29-31 October and 25-27 November. Moderately disturbed conditions are expected about 3-6 November and 27-30 November. Minor disturbances may occur around 22 October and 17 November.

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## In The News

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Rabat, Morocco—King Hassan II of Morocco called yesterday for 350,000 volunteers to follow him in a "peaceful march" to "recover" the disputed Spanish Sahara territory. He challenged Spain to fire on the marchers.

## Court Rules Sahara Tied to 2 Countries

The Hague, The Netherlands (AP)—The International Court of Justice ruled today that both Morocco and Mauritania had legal ties to the western Sahara at the time Spain colonized the territory almost a century ago.

The court's advisory ruling was sought by the United Nations and has no binding effect on the future of the 102,703-square-mile West African territory and its 90,000 people.



# Morocco Calls for Volunteers For March to 'Recover' Sahara

# QSL



# Report

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

A deluge! Forty-seven contributors with 104 countries. No room for anything but QSL'S. No illustrations or "Odds & Ends". Here we go....

- ALBANIA:** R. Tirana, 9790, card and sked in 2 months after f/up on second rpt for 4 IRC's. (Wiles): 7300, revolutionary card in 70 days. (Lausevich): 6200, card w/all data, meter band, in 2 months. No rp. (Noonan).  
R. Peking relay, 9780, card in 1 month. (Barker): 7120, card, sked, and postcards in 10 days, air. (Padula).
- ALGERIA:** RTVA, 17790, full data blue/white AA card, sked in 10 weeks, sea, for EE rpt. No rp. (Newman): 17745, full data card in 140 days, sea, after first f/up on RTVA form. (Rockwood).
- ARGENTINA:** R. El Mundo, 6120, EE/SS card w/wrong freq in 43 days for SS rpt and 1 IRC. (Caffin).
- ARMENIAN SSR:** R. Yerevan, 15130, card from Yerevan studios via registered airmail in 6 weeks. (Padula).
- ASCENSION IS:** BBC relay, 9510, no-data "Thames" card w/"Atlantic Relay" typed on as requested in 72 days, surface mail. No rp. (Washburn).
- ASIATIC RSFSR:** R. Moscow via Khabarevsk, 15110/15100/12050 (Wala, Barker): via Vladivostok, 11960 (Barker): via Petropavlovsk-Kamchatsky, 12020/15180/17720/15210/11770 (Barto, McNeil): via Komsomolsk-en-Amur, 17900 (Barto): via Nikolaevsk-en-Amur, 15245 (McNeil, Barto). Cards in 1 month. No rp.
- AUSTRALIA:** R. Australia, 15320, full data card in 11 days. 3 IRC's (Filka): 3995/6005 Lyndhurst 10 kw, full data cards in 1 month for 1 IRC. (Keller): 9580/5995, full data card, bumper sticker, in 1 month for 1 IRC. (Keller): 9580/5995, full data card & letter from P.B. Koch mentioning New York address, 15 days for 2 IRC's. (Wala): 9610, card, letter in 5 1/2 months for 1 IRC. V/s Noel Miles. (McNeil): 9770, card in 2 months. (Barto).  
VLM4-Brisbane, 4920, card w/all data in 3 weeks for mint stamps. (Lineback).  
VLR6-Melbourne, 6150, full data map card in 72 days, sea, for EE rpt and 2 IRC's. (Ewing).  
VLQ9-Brisbane, 9660, full data card in 43 days, air, for 2 IRC's. (Wala); card in 2 months for 1 IRC. (Barker).  
VLH9-Melbourne, 9680, full data blue/black Australian map card in 55 days, air, for 2 IRC's. (Wala).  
VLW9-Perth, 9610, card in 1 month for 1 IRC. (Barker).  
VLW15-Perth, 15425, card in 1 month for 1 IRC. (Barker).
- AUSTRIA:** ORF, 9770, full data card in 72 days. No rp. (Noonan); full data card in 41 days, air, for EE rpt. No rp. (Conover): 6155, card w/mountain scene, rpt forms, sked, in 1 1/2 months. No rp. (McNeil).
- BELGIUM:** ORU, 9755, card and sked, pennant in 77 days, air. No rp. (Slaff); 6080, card in 2 months. No rp. (Scheenfeld): 11855, full data card in 30 days. No rp. (Conover): 11850, card in 5 months, air. (Padula).
- BELIZE:** R. Belize, 3300, large map card w/all data except time in 41 days, air, for 2 IRC's. V/s A. Cheong. (Wala).
- BOLIVIA:** R. Cruz del Sur, 4875, full data "Inca Ruins" card, pennant, and cancelled stamps for SS rpt and 2 IRC's in 62 days, air. (Schwartz).
- BRAZIL:** R. Nacional de Brasilia, 11780, full data card in 32 days for 3 IRC's. (Washburn): 15245, full data card, note saying "No pennants this year" in 28 days for mint stamps. (Wala); full data card in 23 days. No rp. (Conover); full data card in 1 month for 2 IRC's. (Barker).  
R. Clube Paranaense, Curitiba, 11935, letter in EE from Ubiratan Lustola, Director, EE travel folders in 18 months, sea for PP rpt. One of my best 25 mb Brazilians - rarely heard here. (Padula).  
R. Brasil Central, Goiania, 4985, EE letter in 3 weeks for PP rpt. (Barto).  
R. Dif. Taubate, 4925, card in 6 weeks. (Barto).

**BRUNEI:** R. Brunei, 7215, green/yellow map card w/Mosque, full data except time in 26 days, air, for 2 IRC's. (Mayer).

**BULGARIA:** R. Sofia, 9700, card in 5 months. No rp. (Quinn); full data card in 102 days, surface. No rp. (Ewing); card, stickers and rpt forms in 2 months for 1 IRC. (Heimke): 9580, card from African Section in 7½ months. (Padula): 15310/17825, card and sked in 2½ weeks. (Barto).

**CANADA:** CBC Northern Svc, 5960, full data card in 35 days. (Ravenhorst). CFRX (Toronto), 6070, full data card in 14 days. No rp. (Noonan); card w/o time in 1 month, 2 IRC's. V/s Eastwood. (Filka); card in 15 days. No rp. (Heimke); card in 2 weeks after f/up. No rp. (Newman).  
CHNX (Halifax), 6130, plain card w/freq only in 10 days for mint stamps. V/s Mrs. Judy Carruthers. (Wala).  
CKZN (St. John's), 6160, full data CBC card, sked for CBN-AM-FM in 8 days for 16¢ Canadian stamp. (Gaffin); blue CBC card w/o time in 21 days for mint stamps. V/s F.H. Holm. (Wala); full data card in 10 days for 1 IRC. (Morits); full data card in 11 days. (M. Smith).  
CHU, 7335, card in 23 days. No rp. (Heimke).

**CELEBES:** YDQAB, 4719, Ujung Pandang, registered letter in EE and a photo QSL card in 2½ months for EE rpt and franked stamps. (Barto).

**CHAD:** R. Dif. Tchadienne, 490A.5, full data card w/picture of native woman in 20 days for NASWA FF rpt and mint stamps. (Driscoll).

**CHINA:** R. Peking, 15060, card w/wrong freq in 21 days. (Cohen); card w/only date and freq, sked and letter saying mags would be sent in the future, in 17 days for EE rpt and 3 IRC's. (Filka): 11845, card and sked in 3 weeks for 2 IRC's. (Heimke): 11685, card, button in 2 weeks. No rp. (McNeil).

**CLANDESTINE:** R. Liberation, 10010, paper QSL received from Voice of Vietnam with time and date correct but freq listed as 10040. Report was sent to N.L.F. via Hanoi. (M. Smith).

**COLUMBIA:** La Voz de los Centauros, 5990, letter from Dir-General Carlos Barrera Martinez, pennant in 48 days for SS rpt, 1 IRC, and a set of U.S. "Revolutionary Uniforms" stamps. (Gaffin).  
R. Super, 6065, card and letter, both signed by Maria Margarita Castro, Dpto de Programacion, in 47 days for S<sup>o</sup> rpt and 1 IRC. (Gaffin).  
R. Sutatenza, 5095, EE/SS folder card w/all data for SS rpt in 2½ months. (Morits).  
La Voz de la Selva, Florencia, 6170, letter in 7 weeks for SS rpt. V/s Jairo Sandoval C. Director de Programas. (Barto).

**COSTA RICA:** R. Capital, 4832, letter verie in 1 month for 1 IRC. V/s Lilia de Boettger. (Mohrmann); SS letter in 22 days for SS rpt, mint stamps (Wala) TIPC, 9645, full data card, pennant, sked in 27 days for 1 IRC. (Noonan); card, pennant, relig info in 16 days, air, for 1 IRC. (Heimke).

**CUBA:** RHC, 11760, full data "Mosaic" card in 90 days with a SS letter and EE letter. (Ravenhorst): 11725, card and EE letter in 6 weeks. (Padula): 17885, QSL'ed RHC's "Voice of Vietnam" program and VOV card was received 6 months later w/full data. (C. Smith).

**CYPRUS:** BBC relay, 7250, no-data "Thames" card w/site typed in for EE rpt in 3 weeks. No rp. (Agner).

**CZECHOSLOVAKIA:** R. Prague, 9540, full data card and publications on life in Czechoslovakia in 2 months. No rp. (Quinn): 7345, full data "Old Town Square" card in 1 month, air, for EE rpt and 3 IRC's. (Filka): 5930, full data card and sked in 33 days, air, for E<sup>o</sup> rpt and 1 IRC. (Deutsch).

**DAHOMY:** R. Dahomey, 4870, card w/time and date plus sked in 3 weeks for FF rpt and mint stamps after several tries over the years. (Zabransky).

**ECUADOR:** HGJE, 9560/11910, "Woodcarving" cards #1.2. and 3 in 2 to 3 weeks for 40¢ in U.S. stamps per rpt. (Schipelliti): 9560, full data card in 19 days, air, for EE rpt and 2 IRC's. (Filka): 11910, full data card in 35 days, air, for EE rpt and 40¢ in U.S. stamps. V/s Sam Rowley. (Conover).

**EGYPT:** R. Cairo, 9475, card, 2 postcards in 10 days for 1 IRC. (Keller).

**ENGLAND:** BBC, 6050, card and sked in 18 days. No rp. (Horwath).  
VOA-Woofferton, 7200, Capitol card w/o date and skeds in 8 days. (Rojewski): 7190, usual full data card from Washington in 6 days. (Barker): 7230, Capitol card w/o date in 5 days. No rp. V/s Monica Vall. (Overcamp).

**ETHIOPIA:** ETLF, 11830, card, pennant and sked for f/up rpt in 188 days, 2nd class air. No rp. V/s Elaine Mbodwam. (Slaff): 15250, card and pennant in 69 days. No rp. (Schoenfeld): 7165, card, sked and pennant in 7 weeks. (Barto); card, pennant in 8½ months. (Hywarren).

**EUROPEAN RSFSR:** R. Moscow, 9710, full data Flags card in 50 days, air, for EE rpt. (Rojewski): 7100/9530/9600/9685, full data cards in 32 days. (Wala): 12035, no-site card w/wrong freq, 2 photos, 4 postcards and letter from Inna Lazerva, Asian Svc, 32 days. 12055, full data card in 25 days from African Svc. (Mayer). Transmitter site cards as follow...R. Moscow via Nikolayev, 9710; via Sverdlovsk, 7100 (Barto): via Moscow, 9530/9520/9600/9680/9650 (Barto, McNeil): via Kenga, 11720/17720/11970/9520 (Barto): via Voronezh, 12060 (Legge): via Tula, 1200/7250 (Barto, Legge). All these txr site cards were received in 1 to 2 months. No rp sent. (ed.)

Radiostanaya Rodino, 15150/15260/15445, gold card in 3 months. Verie message in EE and RR. (Legge).

R. Station Peace and Progress, 7180, card w/freq listed as 41 mb, otherwise full data, in 6 months for EE rpt. No rp. (Newman).

FINLAND: R. Finland, 15185, card and pennant in 12 days for EE rpt. No rp. (Schoenfeld); full data card in 17 days, air, for EE rpt. No rp. (Conover).

FRANCE: R. France, 15200, card in 13 days for EE rpt and 2 IRC's. (Filka); card in 40 days, air, for EE rpt. No rp. (Conover): 15210, card in 3 months after f/up. No rp. (Barker): 11940, four-color RFI card w/full data in 60 days, air. No rp. (Trautschold).

GERMANY (w): VOA-Munich, 3980, Capitol card in 4 days. No rp. (Mohrmann).

DW-Julich, 3995, card in 7 months, air. My first 75 mb DW

QSLI (Padula).

GHANA: GBC, 11850, full data card in 30 days for 2 IRC's. (Talbot).

GREECE: VOA-Rhodes, 6015, full data Capitol card in 4 days. No rp. V/s W.E. Dulin. (Gaffin): 5985, Capitol card in 6 days, signed by the proverbial Monica Vall. (Moritz).

VOA-Kavala, 7270, card w/o date in 6 days. No rp. V/s Debbie Showalter. (Ewing); card w/o date in 5 days. No rp. V/s Monica Vall. (Agner); full data card from Washington in 4 days. No rp. (Trautschold).

GREENLAND: Gronlands Radio, 9575, full data folder card in 5 months, air, for EE rpt. No rp. (Hywarren).

GUATEMALA: R. Cultural, 3300, card, letter, brochure and relig pamphlet in 28 days for EE rpt and 1 IRC. V/s Wayne Berger. (Mohrmann); card w/date and freq, travel folder, form letter and relig tracts in 14 days, air, for EE rpt and mint stamps. Requested pennant, not received. (Wala).

R. Mam, 4825, SS letter and pennant in 6 weeks for SS rpt and franked stamps. V/s H. Teresa Herrera, Secretaria. (Barto).

GUYANA: GBS, 3290, two full data form letters, 1st in 22 days, exact copy 2 days later for 2 IRC's and postcards. V/s D. Leandro. (Mohrmann).

HAITI: 4VEH, 9770, complete data card in 6 weeks. V/s Mrs. Edna Beachy.

Two IRC's. (Barker)

HAWAII: WWVH, 10000, folder card in 13 days. No rp. (Horwath).

HONDURAS: HRVC, 4820, card w/all data in 19 days, air, for EE rpt and 2 IRC's. (Paschke); card w/no time in 14 weeks for 2 IRC's. (Brunner).

R. Swan, 6185, typed letter w/blue and white "Honorary Reporter" card in 47 days. Card is the station's press card with name and "Reportero Honorario" filled in. V/s R. Nordarse. (Mohrmann); no-data letter from Ralph H. Nordarse in 42 days, air, for SS rpt and mint stamps. (Paschke); EE letter, SS press card in 47 days for SS rpt and 2 IRC's. (Gaffin); Prensa Swan card w/o date for SS rpt and 1 IRC. This may be Swan Island but not definite yet. (Trautschold).

INDIA: AIR, 11620, full data card in 347 days, air. (Ravenhorst): 11880, color "Barge of Love" card in 9 months, air. 15280, same card in 5 months, air. 6085, "Taj Mahal" card in 7 months, air. 11770, color "Wall Paintings" card in 7 months, air. (Padula): 9912/11775, card in 2 months. (Barto).

IRAN: V. of Iran, 9022, card in 30 days. EE rpt. No rp. (Washburn).

V. of Iraqi Kurdistan, 10055, full data V. of Iran card for rpt on tx of Dec. 1, 1974. This station is supposedly based in Iran and transmits to Iraq. (Barto).

IRAQ: R. Baghdad, 9745, full data map card, emblem, and postcard of statue in 1 month, air, for 1 IRC. V/s Salwa Tarrah. (Keller); full data map card and decal in 3 weeks for EE rpt and 1 IRC. (Agner).

ISRAEL: IBA, 15485, full data Menorah card in 95 days, air. (Ravenhorst); full data card in 18 days, air, for EE rpt and 1 IRC. (Deutsch): 15485, full data card in 37 days for EE rpt. No rp. (Conover): 12025, card in 60 days for 1 IRC. (Heimke): 17815, card in 8 weeks, air. (Padula).

ITALY: RAI, 6010, full data card in 35 days. No rp. (Quinn).

IVORY COAST: R. Abidjan, 11920, standard Abidjan card received in 18 days, air, for EE rpt and 1 IRC. (Trautschold).

JAPAN: NHK, 15195, full data "Tachibina Dolls" card in 12 days, air, for EE rpt and 3 IRC's. (Filka): 15105, card, sked, postcard, rpt forms, R. Japan News in 8 days. No rp. (McNeil): 15420, card in 3 weeks. (Barto).

FEN, 3910, card w/all data in 2 weeks. (Lineback).

JORDAN: R. Jordan, 7155, full data "Theatre of Jerash" card in 21 days, air, for EE rpt, used stamps, and 2 IRC's. Also sent sked and said they do not have pennants, in reply to my inquiry. V/s Jolus (?). (Moritz); full data card in 18 days, air, for 1 IRC. (Rockwood).

KENYA: VOK, 4885, card in 7 weeks. (Barto).

KOREA (N): Pyongyang, 11535, "Dwarf Trees" card w/wrong date in 66 days, 2 circus postcards, and a University brochure. (Mohrmann).

KUWAIT: R. Kuwait, 11940, QSL folder w/all data, sked in 73 days, air, for EE rpt. No rp. (Ewing); card in 46 days for EE rpt. No rp. (Schoenfeld); 2 full data folder cards for the same rpt in 3 months for 2 IRC's. (Barker): 9555, folder card and sked in 18 weeks, air. (Padula).

**LESOTHO:** LNBS, 4800, full data Flag card in 2 weeks for EE rpt. No rp. (Hywarren).

**LIBERIA:** VOA-Monrovia, 7195, card w/no date in 9 days for EE rpt. No rp. V/s Monica Vall. (Ewing).

**ELWA,** 11950, card and sked in 6 months, air, for 3 IRC's. (Wiles); card and sked in 7 1/2 months for 3 IRC's. (Noonan); card, sked in 7 months. (Barker): 15170, "Drummer" card in 136 days for EE rpt. No rp. (Schoenfeld); card in 8 months for EE rpt and 1 IRC. (Hywarren).

**LITHUANIAN SSR:** R. Vilnius, 9685, full data card with symbolic tree in national colors in 52 days, air. No rp. (Schwartz): 7355, full data card in 69 days, air, for EE rpt. No rp. (Washburn).

**R. Moscow via Kaunas, 11870,** full data "Kremlin" card with site in 32 days, air. No rp. (Wala); card w/Kaunas tx site listed in 1 month. No rp. (McNeil); card in about 1 month from Mrs. Stepanova. (Barker); card in 1 month. (Barto).

**LUXEMBOURG:** R. Luxembourg, 6090, card in 4 months after f/up on second rpt for 4 IRC's. (Wiles); antenna/coat-of-arms card in 18 days. (Mohrmann); full data card in 48 days, surface, for EE rpt. No rp. (Ewing); full data antenna card in 9 weeks, surface, for EE rpt. (Newman); full data card in 3 months for EE rpt and 2 IRC's. (Barker); card in 1 month for EE rpt. No rp. (Hoyt); full data card in 135 days for 2 IRC's. (Talbot).

**MALAGASY:** R-TV Malagasy, 17730, studio GSL card w/all data in 6 weeks for EE rpt and 1 IRC. (Zabransky); card of broadcasting building w/all data in 39 days, surface, for FF rpt. No rp. (Ewing); full data card in 2 months for EE rpt. No rp. I requested specific info be placed on card. (Barker).

**R. Nederland rely, 9585/15165,** card in 2 weeks. (Padula).

**MALAWI:** MBC, 3380, letter and sked in 18 days, air, for 2 IRC's. (Wiles).

**MALAYSIA:** BBC relay, 7180, card with "BBC Far Eastern Relay Station" typed in received in 1 month. (McNeil).

**MALTA:** R. Malta, 9755, full data letter in 2 weeks for EE rpt and 1 IRC. V/s Victor Aquilina. (Agner); full data letter in 30 days. (Cohen); full data form letter w/wrong freq, tourist info in 15 days. No rp. (Mayer)

**DW relay, 6100,** full data color card w/site indicated in 14 weeks for EE rpt. No rp. (Driscoll); full data card in 18 days, air, for EE rpt No rp. (Washburn); full data card in 3 months, air, for 1 IRC. (Rockwood): 6025, card w/site in 18 weeks, air. 7275, card w/site in 7 weeks. (Padula).

**MAURITIUS:** MBC, 9710, full data card w/national colors in 298 days, air, after letter to embassy in Washington and letter to MBC. (Schwartz).

**MEXICO:** R. Mexico, 9705, two letters, sked and map in 7 months for 2 IRC's. (Wiles): 15125, SS letter, folder, data sheet on station and info about Mexico in 6 months, registered airmail, for SS rpt and 3 IRC's. (Padula).

**MONACO:** TWR, 7105, full data card showing Monte Carlo skyline, skeds, for Monte Carlo and Bonaire in 29 days for 1 IRC. (Gaffin).

**MOROCCO:** VOA-Tangier, 15205, Capitol card w/o date, and sked in 8 days. V/s Monica Vall. (Rojewski); card in 10 days. (Barker): 9760, card w/o date in 8 days. No rp. V/s Debbie Showalter. (Ewing); card in 10 days. (Heinke): 7115, "Space Center" card w/o date in 5 days for EE rpt. No rp. (Agner).

**NEPAL:** R. Nepal, 5000, full data black/white card, sked and rpt form in 632 days, air, for 2 IRC's. V/s K.B. Khary. (Mayer).

**NETHERLANDS:** R. Nederland, 9715, full data "Mint Tower" card marking the 7th centenary of Amsterdam, in 20 days, air. No rp. (Horwath).

**NETHERLANDS ANTILLES:** R. Nederland relay, 6165, full data card and sked in 40 days for EE rpt. No rp. (Deutsch); card in 16 days. (Filka).

**TWR, 11815,** full data folder GSL, sked and pennant in 16 days, air, for 1 IRC. (Deutsch); folder card in 32 days for 2 IRC's. (Cohen); full data card, sked and pennant in 15 days for 1 IRC. (Noonan).

**NEW BRITIAN:** RENB, R. baul, 3385, map card w/all data in 14 days, air, for EE rpt, used stamps and 2 IRC's. V/s R. Papat, station manager. This is definitely one of my best! (Morits).

**NEW GUINEA:** R. Yomba, Madang, 3260, NBC folder in 2 weeks, air, for mint stamps. V/s Leonas Sambure, Acting Manager. (Padula).

**NEW IRELAND:** RNI, 2428, full data letter from I. Tseka, sked in 33 days, air. Letter mentioned other DXers' letters including one from Libertyville, Illinois. (Mayer).

**NEW ZEALAND:** NZBC, 15110, Mountain card, NZ stamps and sked in 1 month for 1 IRC and used U.S. stamps. (McNeil).

**NIGER:** R. Niger, 5020, card in 21 days for 1 IRC. (Wiles); card w/all data except freq in 132 days, air, for FF rpt and tape rpt. (Washburn).

**NIGERIA:** VON, 7275, card w/picture of Logos in 13 days for EE rpt. No rp. Card was folded inside envelope! Big crease down the middle! (Schoenfeld); card and sked in 3 weeks, air, for 1 IRC. (Rockwood).

**NORWAY:** R. Norway, 15170, full data Mountain and Lake card in 8 days, air, for EE rpt and 2 IRC's. V/s Thokle. (Filka): 11860, Dock card w/all data, sked and flag pennant in 42 days, air. No rp. (Slaff): 17795, card in 45 days, surface mail, for EE rpt. No rp. (Conover).

**PAKISTAN:** R. Pakistan, 15205, EE letter in 10 weeks. V/s Imad-Ud-Din, Controller, Planning and Research. (Padula).

**PAFUA:** R. Southern Highlands, Mendi, 3275, EE letter in 4 weeks, air, for mint stamps. V/s Aloysius Sahoto, Manager. (Padula).

R. Milne Bay, 3360, EE letter in 2 weeks, air, for mint stamps. V/s Trevor Webumo. (Padula).

**NBC National Network, Port Moresby, P2T4, 4890,** letter in EE from Carolus Ketsimur, Program Director, in 18 months apologizing for delay. Rpt sent during first weeks of NBC administration. (Padula); letter w/all data in 533 days due to re-organization delays for mint stamps. (Overcamp): P2T9, 9520, letter in 15 months, air. (Padula).

**NBC District Network, Port Moresby, 9575,** EE letter and sked in 6 months, air. V/s C. Ketsimur. (Padula).

**PARAGUAY:** R. National, 6025, letter in 47 days. V/s Carlos Montaner, Chief Engineer. (Lausevich); verie letter by registered mail in 1 month for SS rpt. No rp. (Zabransky); registered letter in 2 months for SS rpt. (Barto).

**PHILIPPINE IS:** VOA relay, 15290, card w/o date in 5 days. No rp. (Ewing).

**PBS-Manila, Overseas Svc,** Letter in EE from v/s Ronnie Nathanielz, Special Asst. for R-TV, in 3 weeks, air. Believed to be one of the first QSL's received for this newly established Overseas Svc of PBS. (Padula). (Sorry. No freq given on this. ed.) (6170 is the freq.)

**FEBC, 11855,** full data card and sked in 24 days, air, for 2 IRC's. 6120, full data card in 7 1/2 months, air, for 3 IRC's. (Rockwood).

**POLAND:** Polish Radio, 11815, card, sked, antenna help, questionnaire, no rpt. Forms, personal letter and several Polish Magazines in 4 months, air. No rp. V/s Lech Stanislawski. (McNeil); full data card in 7 weeks, air, for 1 IRC. This is first in new series of cards. (Rockwood): 11815/11840, full data card w/"punched tape" pattern in 45 days, air, for 2 IRC's. (Talbot).

**PORTUGAL:** Emissora Nacional Portugal, 6025, full data "Sailing Ship" card in 14 days, air, for EE rpt and 2 IRC's. (Rojewski); full data Ship card in 13 days, air, for EE rpt and 3 IRC's. (Filka).

**Radio Free Europe, 7190,** full data blue/white card, skeds in 25 days for rpt to Munich. No rp. (Gaffin).

**Adventist World Radio, (via RTE), 9670,** card and "Voice of Prophecy" Radio Station Log in 20 days, air, for EE rpt on special broadcast of AMR Congress held in Vienna. No rp. (Greenidge).

**RHODESIA:** RBC, 3306, full data "Gazelles" card in 10 weeks for EE rpt and 2 IRC's. (Dristoll).

**RWANDA:** DW-Kigali, 9735, DW multicolor card w/all date from Cologne in 4 months, air. (Keller): 15410, full data card in 2 1/2 months, air, fir 1 IRC after first f/up. (Rockwood).

**RYUKYU IS:** VOA-Okinawa, 7165, card w/o date in 7 days. No rp. V/s Monica Vall. (Ewing); card in 3 days. (McNeil); card in 6 days. (Barker).

**SAUDI ARABIA:** BSKSA, 11950, card, letter in 3 months, for 1 IRC. (Wiles). 9720, card w/all data except time, sked in 2 1/2 months, registered air, for 1 IRC. (Rockwood): 15205, "Crossed Swords" card and sked in 10 weeks via registered airmail. (Padula).

**SEYCHELLES:** FEBA, 15325, full data orange/blue map card, sked in 19 days for EE rpt and 3 IRC's. V/s Mary Bemy. (Rojewski).

**SIERRA LEONE:** SLBC, 3316, full data verie letter s/specific quotes from my program details verified in the letter in 1 month for EE rpt and mint stamps. Unusual care shown in verification. (Driscoll).

**SINGAPORE:** R. Singapore, A full data verie card showing Singapore skyline at night came in just 3 weeks for 2 IRC's. V/s is T. Maffe, Director of Broadcasting. Address is G.P.O. Box 1902, Republic of Singapore. (Barker). (No freq on the above item. ed.)

**SOLOMON IS:** SIBS, 5020, card w/initials in 3 weeks for 3 IRC's. (Lineback). card in 7 days, air, (!) for EE rpt, used stamps and 2 IRC's. Verie is signed but I cannot make out signature. Looks like "Bluk". (Morits) (Is that the proverbial "Bluk", John? ed.); card w/all data in 17 days for EE rpt and 2 IRC's. (M. Smith).

**SOUTH AFRICA:** RSA, 5980, card in 19 days. Special Gerry Wood QSL card in 34 days for same rpt. (Cohen); full data card, sked, booklets and stamps in 14 days, air, for EE rpt. No rp. (Deutsch): 11900, full data card in 11 days, air, for EE rpt and 3 IRC's. V/s T. Greyling. (Filka): 5980/7270, full data card and sked in 15 days, air, for EE rpt. No rp. (Schipelliti): 9525/7270/9580, card w/all data in 12 days, for EE rpt. No rp. (Conover): 3230, "Flamingo" card in 3 weeks, air. (Padula).

**Springbok Radio, 3980,** colorful card w/all data, sked in 49 days, air, for EE rpt and 2 IRC's. (Ewing); full data "Montage of Industry and Transportation" card in 15 days, air, for 2 IRC's. (Talbot).

**SABC (Domestic EE Svc), 3965,** full data card and sked in 14 days, air, for 2 IRC's. (Ewing).

**SPAIN:** RNE, 6065, antenna card, aked and note saying they were out of pennants, 50 days, sea, for 1 IRC. (Heimke): 11925, card w/color photo



of tx tower, sked and red/yellow pennant in 58 days. Two days later got color flyer on Spanish regions and 6 cancelled stamps in exchange for U.S. stamps I sent. No rp. (Ullmer): 6075, card in 13 weeks, sea. 11880, card in 7 weeks, air. 6100, card in 13 weeks, sea. (Padula).

SWAZILAND: TWR-Manzini, 9590, card and sked in 3½ weeks for 1 IRC. One of my better long path HF Africans - reception is somewhat difficult and rare here due to weak level and tight "window" on period when reception is possible. (Padula).

SWEDEN: R. Sweden, 9605, full data map card in 55 days. (Cohen); full data map card, sked and mags (requested) in 42 days. No rp. (Horwath): 15310, 50th Anniversary card in 20 days. No rp. (Quinn): 11705, full data map card, pennant and sked in 69 days, air. No rp. (Schwartz); card, pennant and sked in 48 days, air, for 1 IRC. (Heimke); card in 1 month. (Barto).

TAHITI: R. Tahiti, 11825, full data card, sked in 2½ months. No rp. (Gaffin): 15170, card w/sk'd in FF in 47 days. No rp. (Conover).

TANZANIA: R. Tanzania, 15435, "Tom-tom" card w/freq and date in 37 days for EE rpt and 1 IRC. (M. Smith).

THAILAND: R. Thailand, 9655, full data "Grand Palace" card in 6 months, surface mail, for EE rpt. No rp. (Hywarren).

TUNISIA: R. Tunisia, RTT, 11970, full data verie letter in FF for AA rpt and 2 IRC's in 29 days. V/s Khoudaja. (Schwartz); "Dolls" card in 1½ months, air, for 1 IRC. (Rockwood); full data "Dolls" card in 3 weeks for EE rpt. No rp. (Hywarren).

TURKEY: V. of Turkey, 9515, full data card of Turkish humorist, sked in 31 days, air, for EE rpt. No rp. (Deutsch); full data card and travel info in 22 days. No rp. (Quinn); "Karagoz & Hacivat" card w/o date in 27 days, air, No rp. (Ewing); card, pennant and tourist info in 26 days, air, for 1 IRC. (Heimke): 11880/15165, card and sked in 1 month for 2 IRC's. (Barker): 15165, "Turkish Shadow Play" card in 4 weeks, air. (Padula).

TURKS AND CAICOS: VSI, 4788, letter w/no data in 2 weeks for 2 IRC's. V/s William G. Grant. (Zabransky); mimeo no-data letter in 10 months for EE rpt and 1 IRC. (M. Smith).

UKRAINIAN SSR: R. Kiev, 12050, full data card, sked and promise of mags in 2 months, air, for 2 IRC's. (Keller).  
R. Moscow via Ivano-Frankovsk, 9665; via Lvov, 11750, full data cards in 32 days, air. No rp. (Wala). R. Moscow via Ivano-Frankovsk, 9660; via Lvov, 11750; via Kiev, 11770, cards in 1 month for rpts on these NA Svcs. (Barto). R. Moscow via Kharkov, 11950; via Lvov, 11900, card in 40 days for Cuban Svc rpt. (Legge). R. Moscow via Ivano-Frankovsk, 9665, via Vinnitsa, 11850, card in 30 days. (Legge).

UNITED STATES: WYFR, 5985, gray/red mike card in 18 days. No rp. (Mohrmann).  
KGEI, 5980, full data card and bumper sticker in 1 month for 10¢ stamp. (Keller): 11905/15280, card in 1½ months. (Barto).  
VOA-Greenville, 9725, card in 9 days. (Heimke).  
VOA-Delano, 15400, Capitol card w/o date in 5 days. V/s Debbie Showalter. (Overcamp).  
WYFR, 15440, full data mike card in 13 days, surface, for EE rpt. No rp. (Trautschold).  
WWV, 5000/10000/15000, "Prairie" card in 23 days. (Heimke).

UZBEK SSR: R. Tashkent, 9600, full data "Chime Tower" card, sked, crafts postcard in 3 months for 1 IRC. (Keller).

VATICAN: Vatican Radio, 15120, full data card in 15 days. (Cohen): 11845, studio building card and sked in 81 days, air. No rp. (Slaff): 11700, full data card in 18 days for EE rpt and 2 IRC's. (Filka): 9605/11845, full data card in 10 days, air. No rp. (Barker).

VENEZUELA: R. Juventud, 4900, card w/o time in 19 days, air, for EE rpt and 1 IRC. (Ewing).  
R. Rumbos, 4970, "Colonia Tower" 25th Anniversary card w/all data in 118 days, sea, although mint stamps were sent with SS rpt. (Dean).

YEMEN: R. Sanaa, 9575, full data verie letter in 2½ months for FF rpt and 3 IRC's. Letter was in EE with SINPO noted. (Driscoll).

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D.E. Rojewski writes that he had a letter to R. Peking returned by the U.S. Postal Service because of "incomplete address". If your letter isn't addressed to "People's Republic of China" there is a good chance that you will get it back. Full notice stamped on the returned letter reads: "Postal Authorities of continental China indicate that unless mail is addressed to People's Republic of China, it will be detained and confiscated according to the laws of that country. Return To Sender". I checked R. Peking's "Mailbag" program on this and they are still giving their address as Peking, China!

There! That's it! 73's, lots of luck, and don't forget Polskie Radio. John Moritz, Jr. wants me to mention Polish Pathfinders but I won't. Bob Wiles says Malawi uses "74's" to end their letters. Well that puts them one up on everybody else.

# Listener's

•Editor: Glenn Hauser

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# Notebook



**NOTE:** Sometimes in reading the mail, it's hard to tell whether the writer intended certain comments for publication--or does not want them published. Unless you specify, I'll have to exercise my own (mis)judgement! Many thanks to all who have sent in material!

**PROPER CREDIT** Other clubs or broadcasters desiring to use material from LN may do so provided due credit is given to the original reporter and NASWA. BBC Monitoring Service material is copyright, used by permission, and not authorized for further dissemination. Tnx.

**YEMEN NORTH** Sana'a reactivated 7300, heard at 1300 // 5804 (Mike Willis, Hampton, Victoria) Can be well heard on new 7300 at 1630-1700 (David Kernick, Prescott, Merseyside, England)

**VENEZUELA** R. Nacional is on reactivated 15400, heard at the propagationally unusual time of 1100-1800; BEC QRM. Mainly classical mx, educational features. (Kernick) Seems to have

**Arabic**, Mon-Fri? 1300-1400, OPEGLY fraternal? WRTH says xatr Campo Carabobo, 50 kw (gh)

**USSR** I would like to think the heavily distorted Mayak signal on 6560 at 1940, 1410 checks, is the tenth harmonic of Verkhoyansk-656, but it is more likely a jammer for Peking's Russian service (BEC MS sked to use 6560 at 1100, 1300). Could be both... (gh)

**USA** KGEI has a **German** program, noted on 9615 ending 1349 Sun 10/19 and other times--produced in Winnipeg and giving an Asunción address. It may have been Mennonite, and the dialect Swiss, whence they came. Richard? (gh) Tired of hearing the same old states on SWBC?

**Montana** is active on 2680; KPRK heard on 2 x 1340 at 1315 9/30, ads, wx, for Livingston. (Bob Bodell, Portland OR) and **Alabama** on 2600, WEZQ Winfield, 2 x 1300, 1130 10/10 (gh)

**URUGUAY** R. Sarandí-6010 and R. Ariel-6075 are irregularly active, mainly for sports events; schedules variable. (Tony Jones, nr Asunción, Paraguay) SODRE has classical mx 1100-0300 on 9620-CXA6, and pop/folk mx, sports on 15275-3XA14, both only 500 w output. (Molsés Primo, Montevideo, SCDX 9/16) Believe not right on 15275 (gh)

**SWEDEN** R. Sweden has been having some difficulties recently. It all began 8/22 when the rotating mechanism on one of the log-periodic antennas at Hörby broke down leaving it in the 240° position. We had to drop a number of transmissions and to use the remaining old 100 kw transmitter with curtain antennas or an omni-directional for other transmissions. (SCDX 9/16) As of 10/21, 15305 at 1230, 1400 still much weaker than it should be; however, the **Swedish** program at 1300 on 17770 pounds in loudly; might have reaked English! (gh)

**SUDAN** (Cf Oct LN-2) Nominal 4994 is actually on 5032, of course. (ADXX)

**SA'UDI ARABIA** (Cf Oct LN-2) Riyadh Radio's frequency usage as observed between 0600-2200: 15335 0750-1530 11865 1530-1900 9615 0750-1600 7220 0600-2200 5960 1600-2200 11950 0600-2200 9685 1900-2200 7280 1545-2200 5985 0600-2200 5390 0600-2200 SSB 11870 0750-1545 (BECMS 9/25) I assume Riyadh still on at 0300, but BEC didn't check! (gh)

**SAHARA SPANISH**(?) On 9/29 Aitún moved from 11805 to 11925 at 0700, but returned later, to 2015. (BEC WRC 10/1 via gh)

**RFSR** Murmansk-5930 has local programs at 0420-0430, 0515-0545, 0830-? Sat; Mon-Fri at 1000-1100 (including "Radiostantsiya Atlantika" season pgs 1010-1100 Tue/Fri), and Mon-Fri at 1500-1940. Relays Moscow-I at other times. Arkhangelsk-5015 has local programs at 0420-0430, 0520-0545, Tue/Thu 1500-1600, Mon/Wed/Fri 1620-?; Moscow-I elsewhere. (BECMS 7/75)

**QATAR** QBS is sked on 9570, 100 kW, Fri 0300-2100; other days 0300-0700, 1000-2100 (Kernick)

**PORTUGAL** On 9/26, Emissora Nacional was heard relaying Radio Clube Português at 0800-1100 on 11925; full sked on freq is 0700-2300 (BEC WRC 10/1 via gh)

**PAPUA NEW GUINEA** Admiralty Islands take you by surprise? Another new station is planned, 2 kw on 3205, Radio West Sepik at Vanimo. Then there's Radio Enga, Wabag, 2 kw on a frequency not chosen yet. (From a 4/75 NEC station list via Tom Overcamp, Seneca SC)

**PAKISTAN** R. Pakistan's S1975 sked shows a new xmen "National Programme for Burma" 0045-0200 on 11672--mostly music but some spoken Burmese (BECMS 9/18) The Afghan-Persian service, 1615-1900 on 5020, 4020 is entirely in Dari--"Friendly Voice" (BECMS 8/28)

**OMAN** Oman BC, Arabic talk and chorus, at 1652 9/27, 10/4 on drifting freq 4961v; not observed on Sundays. (Albert Kosnoffel, Bshmenkirch, W. Germany, via Tropical DX Newsletter) As Sib, near Muscat, is due to operate on 6175, 50 kW 1400-2000; and 11890, 50 kW, 0200-1400. Target area is the South of Oman. (Helmar Fieger, Mannheim, W. Germany, SCDX 9/9)

**NICARAGUA** Two harmonics showing again this fall are 2200, YNQ 2 x 1100, around 0330 10/11 with Nicaraguan promos; and on 2920, 10/8 0405\*, tent. Ecos de las Brumas. (gh)

**NEPAL** On several days last week, R. Nepal was heard at \*1425-1720\* on 10010. Possibly 2 x 5000 scheduled channel, but test transmissions were to have been carried out earlier this month. UK QSP was F-G; Nepalese except Eng. 1450-1520. Not hrd since 9/19 (BECMS 9/25) Letter from RN says it tested 9/9-10 on 5590; 9/11-12 on 11970, at 0600, 1030, 1730--one hour each. (Istvan Kiss, Balassagyarmat, Hungary, via SCDX 9/23) more...

**NEPAL** (more) R. Nepal started in 1951 in a former private school building with a modest 250 watt SW xmtx and improvised studios and control rooms. RN now has 2 xmtx bldgs housing a total of 6 xmtxs, 250w to 100kw. In studio bldg, 6 studios, 5 control cubicles, equipped with fairly modern equipment. Present staff stands at about 245. A National Communications Plan was introduced in 1971, leading to an increase from 56 to 85 hr/week. RN has always remained effortful\* to contribute in its own way to the task of national development and thereby help build a happy and prosperous nation--a vision cherished by His Majesty King Birendra. Realizing the importance of international program exchange, RN has put aside 15 minutes every week for programs received from other broadcasting organizations. A commercial service runs daily at 0920-1020, 1520-1720. Complete sked is 0020-0350 (an extra hour on Sats), 0720-1020, 1150-1720, all on 5.0 and 3.4 Mhz. (9/74 pgs sked via Dan Jamison, Columbus OH) \*I believe Bill Biddings may have been reincarnated..hi (gh)

**MOZAMBIQUE** The Ministry of Education took over all radio stations, including LM Radio and the Beira stn today; so proclaimed Samora Machel (RFI nx item 9/24 via gh) RGM, R Pax, and Aero Clube de Beira nationalised 9/23 and now known as R. Mozambique. New Managing Director is Mr. Salomão Mutemba. Uncertain future of LM Radio run by SABC via taped programs from Johannesburg. (Gerry E. Wood, SABC, via Mac Leonhardt) LM Radio has been renamed "Radio Five" as of 10/13 0300. Will use same ECB freqs as LM Radio did. (Denzil V. Baker, Durban, South Africa, in IRCA DX Monitor 10/18)

**MONGOLIA** The ch. I reported last month, 7300, has returned to old 7238 after only a few days of tests on 7300. Hrd 1300-1430. 7262, however, has not been hrd for a while during that period, altho still used at 0900. Obviously RUB is making fq. changes of an uncertain nature. Of the HS freqs 4762 is now on 4763 at 1500\*, Medan is off the channel. (Willis)

**MEXICO** XBC Tijuana is heard every evening around 0300, some days around 1300, on 2620, 2 x 1310; still there 10/8 at 0442, strong. (Kevin M. Szot, Vacaville CA)

**MAURITANIA** 4698 is a new freq, replacing 4850, noted at 1900 (RCI French DX 9/20 via gh, who didn't catch the name of the reporter, and who has reservations about this item)

**MALAGASY REP.** R. Nederland noted as early as 10/14 on new 21685 ex-17855 (where there was RFI) for 1530-1650 Arabic, 1700-1820 Dutch. In latter, often much clearer than four times closer Bonaire // 21635. Do not confuse with Kuwait, also Arabic, last year on 21685v; RN's DL 975 maintains this only at 1530; at 1700, replaces with 15185. Rest unchanged. (gh)

**LEBANON** ITU THFBS for S 1975 shows Beirut 11830 1830-2030 to Bu ex-11795; 15440 2230-0100 to Sam ex-15120. (ADNX 9/75) Who knows where they really were/are? Change too often. (gh)

**KASHMIR (PAKISTANI)** Azad Kashmir Radio sked now runs 3914 at 0045-0430, 1415-1811; and 6070 at 0600-0933, 1200-1400. Fq measured. (Geoff Cosier, Burwood, Vic.) of LR-A for window (gh)

**ITALY** RAI is on new 21510 for "Domenica Sport" Sun 10/19 1455 tune in to 1650\*, the current sked shows 21560 and 21695; neither heard. May be result of my advice to them a year ago to get off 21560 which was conflicting with VOA-Monrovia; however, VOA soon left instead. (gh)

**ISRAEL** Bet you missed it! Probably the only use of the 25 MHz band this year was 9/24 at 0740-0930 when IBA ran antenna tests on 25600 (actually, it's band-edge, to avoid all the QRM in-band, hi.) You would also have heard IBA's tone alternate dekaminutes 2300-0310 9/25 on otherwise unused 6230. (gh)

**IRAQ** New Baghdad outlet 6292.5 very strong evenings past 2240 in Arabic (Mike Barraclough, Letchworth, England) Is ex-6168 (BBC WRC 10/15 via gh)

**IRAN** An undated VOI ES sked received 10/11 checks with the 1975 WRTH on SW except: 15084 runs to 0230, not 2130, in Persian (via Dave Walcutt, Carbondale IL) Seldom changes. (gh)

**GUATEMALA** R. 1210 heard at 1150 on 2420, 2x; not heard at 0435 check (Kevin Szot, Vacaville CA) At 0405 10/11 found some mx, tightly squeezed by utes (gh)

**GREECE** EIRT is heard in a new xmtx at 2000-2100 on 17760 in Albanian, S-C, Romanian, Bulgarian, announced as Balkan Service #2; #1 being 1600-1700, now also on 17760 (BBC MS 9/25)

**ETHIOPIA** Addis Ababa Radio was heard, very strong on 9590 at 0800 (Luis Díez Alonzo, Spain, via Belgium DX 9/23 via gh)

**EGYPT** Acc. to an Israeli HS amat, Egypt stopped its deliberate QRM with Israeli Arabic pgs in mid-August. It had started on the 2nd day of the Six Day War in 1967, was designed to prevent Egyptian listeners from receiving Israel, particularly powerful 737 kHz. Syria continues to interfere with Israeli broadcasts in Arabic. (BBC MS 9/25)

**ECUADOR** HCJB will add extra Spanish transmissions during November only from some event in Managua, Nicaragua; 2 xmtxs to N/C/SAm on 11960, extended to 0300\*; and on 9745 to Carib, N Venez, ENAm, also to 0300\* (HCJB Programa DX 10/16 via gh)

**COLOMBIA** On 9/30, the Colombian govt released a decree #2085 which classifies stations into 4 groups (informative, recreative, educative and docente); sets limits on the number of stations in a city (3 categories: high-powered, 1 station per 250,000 people; medium-, 1 per 100,000; low-, 1 per 30,000); and places restrictions on everything from coughdrop ads to saying anything which might interfere with judicial or police investigations. In the event of an emergency, private stations are to be merged with R. Nacional to provide official info. It also compels stations to give complete ID: name, call, address, freqs, at s/on, s/off, and allows Ministry of Comms. to shut down a stn if it is QRMing another and keep it shut until the stn can prove there is no longer any QRM problem. The lengthy 104-article decree also restricts programming (no foreign radionovelas on AM, no novelas on FM). (El Tiempo de Bogotá and 2 other papers, summarized by Adam Gaffin, Brooklyn NY) R. Cordobesa is back: On 2440, 2 x 1220, 0445-0459, fair 10/8. (Kevin Szot, Vacaville CA) Fantastic signal here nightly, almost as strong as WWV, far exceeding any 120m fundamental; has "Radio-Sucesos" news from RCN 0500-0520 relayed from Ea. Nueva Granada, 10/18. No QRM either, N.E.: (gh)

**BRAZIL** Further refinements to the new tropical frequency arrangement given in August LN and updated in Sept. LN, come from an exhaustive survey of activity, ending 8/31, by Tony Jones, Paraguay, unless otherwise specified, via NU.

2460 R. Cultura... 3 x 820  
 2500 R. Paranaival 2 x 1250  
 3200 R. Cornélio Procópio 2 x 1600  
 3255v RD Uberlândia varies to 3252, \*0900v while Cariri-3255 tent \*0800  
 3275v Bauru R Clube, nom. 3285, v to 3289, 0800-0400  
 3285v R. Olinda, v to 3289; tent\*0800 or earlier -0430\* or later  
 3335 RCL Conquista: Alvorada dominant; sometimes audible Sats -0330 plus  
 3345 RCU Sergipe ex-3295; \*0730-?  
 3355 unID-R. Industrial Juiz de Fora?  
 3385 unID, not Congonhas, \*0730 irreg. while Congonhas \*0855-0100\* daily  
 3403 REd Xapuri is not harmonic; is 1 kw // 1280(?), 1000-0400 (Sun 0300)  
 (Jones, direct, 9/29) no accent: Acre  
 4755 REd Rural, \*0900(Sun \*1000)-sometimes to 2400\*, or -0200\*; RD Maranhão \*0800(Sun \*0900)-0300?

4785 R. Ribamar is still here, 0245 (BBC 10/15)  
 R. Brasil Campinas \*0800-0400\*, once to 0430; R. Caiari ?-0330\*v  
 4815 RD Paraná\*0800-0300\*, Sun \*1000-0200\*v; also unID poss. Sun. only \*0800 or \*0830  
 4915 RD Macapá \*0800, Sun \*0900; R. Anhangueira\*0900(Sun \*1000)-0400\*  
 4935 R. Capixaba \*0800-?; Sun \*0800/0900-1000\*; also unID, \*0900-?  
 4946 Em. Rural same as Voz do São Francisco:  
 4975 R. Timbira, definitely, \*0800v-0300\*v  
 5015 R. Cultura Cuiabá normally 24h; Mon \*0800, Sat/Sun irr.; Copacabana \*0730-0500\* (Sun 0430\*) (Not GMT days, gh)  
 5055 R. Ed. Sobral tent. ID 0027 10/7 (John Tuchscherer, Neenah WI, via NU)  
 9770 R. MEC has been reactivated (Jones 9/29)  
 11885 R. Mauá also reactivated (Jones 9/29)  
 11875 R. Soc. Bahia \*1700-?  
 Tony's complete tropical list w/observed skeds I will copy for SASE and 20s (gh)

**BOLIVIA** R. San José, 5580 noted daily late Sept., 1130-1600, 1900v-0200 plus; back after 4-month absence. Also back after more than a year is R. Piraf, 9607, daily from before 1100. R. Santa Cruz has again moved from 6140 to 6222, hrd daily 1000v-0400. (Tony Jones, 9/29)  
 No sign of Rda. Trópico 4744 as reported last time even when other Bolivians mod.(Jones, NU)

**BELOUSSIA** Minsk operates at \*0200-2200\* on 12005, 11995, 9795, 9545, mixing Moscow-I relays with some local pgs, such as Minsk News at 1520-1535 (BBCMS 8/75)

**AUSTRIA** I note from ORF's annual report that it received 7 reports for reception of Aldrans 6000 kHz from the US during 1974. That seems unrealistically high to me. Have never heard it here. (Richard E. Wood, Garden City, LINY)

**AUSTRALIA** The THFBS for D1975 (starting 11/2) shows these reservations for R. Australia's new relay base at Carnarvon, WA: (Look out for tests before the 12/20 target date: gh)

6015	100	1100-1500	7260	100	1500-1730	9730	100	0800-1100	11935	250	0830-1030
6075	250	2045-2230	9560	100	2230-0030	11770	250	0030-0300	15190	250	0300-0830
6170	250	1430-1730	9570	250	1030-1430	11810	100	0030-0300	15415	250	0300-0800
7240	100	2030-2230	9700	250	2230-0030						

Middle column is kilowatt power (BBCMS 9/25)

"An enormous increase in the amount of mail received in the last financial year has caused a back log of reports to be actioned for both Listeners Club and non-club reports. We realise that Radio Canada has closed their Club and hope that we will not have to do this. We trust that our listeners will bear with us until such time as we can bring the verifications and the Club up-to-date." (P. B. Koch, R. Australia's Acting Dir. of Overseas Service)

**ANGOLA** A Voz de Angola 9660 noted // Emissora Oficial 9535 at 0500-0600 with MPLA-dominated pgs. The two stations have apparently been unified (Richard Wood, NY) Emissora Oficial says a committee of workers of the Luanda-based R. Ecléssia, owned by the Catholic church, took over control of the station on 9/16; "The radio was taken over following a general meeting of the workers at which it was also decided to reshape all the radio's programs to serve the revolutionary interests of the more exploited ranks of the people." LM Radio says the Angolan Minister of Information announced that the "People's Radio & TV of Angola" will come into being on 11/11, Angola's independence day. (BBCMS 9/25) A date to monitor: (gh)

**ALGERIA** In typical jumpy fashion, RTA Arabic service was noted 10/15 only on 21530 instead of the usual 21565, 1550-1643, // 17790 (gh) RTA Kabyl service \*0600 on new 6158.5. The Arabic service signs on at the same time on usual 6145 (Richard E. Wood, Garden City LINY)

### THE S E A T U A T I O N

**BURMA** Burmese press reports say indigenous lang. services of Voice of Burma (Myanmar Athang) are, all on 4725, 1100 Kachin, 1130 Kayah, 1200 Sgaw Karen, 1230 Pwo Karen, 1300 Chin, 1330 news in Burmese, 1345-1415 Shan. During 1930-1945 5040 is // (Isao Ugusa, Kobe, Japan, 10/10)

**CAMBODIA** La Voix du Cambodge Libérée belongs to FRANK-Front Republican d'Action Nationale Khmère, headed by Lon Nol minister Son Ngoc Than. Broadcasts daily on SW in Khmère. (Bernard Chenal, Mulhouse, France, via SCDX 9/30) Sure would be nice to have the frequency. gh

**KOREA NORTH** V. Revolutionary Party for Reunification carries a pgm in Korean Thums. 1230-1250 addressed to NK, or to "our compatriots in the US", 4552, 4115, 1135 kHz (BBCMS 8/28)

**KOREA SOUTH** A new 500-kw xmr will use 9600 at 0000-0200, 0900-1200, 1330-1400, 1900-2200 and 2300-2400; operates from Kimjae, a southern city. (Helmar Flieger, Mannheim, WG, SCDX)

**LAOS** UnID stn on 7384 \*1100-1400\* carries R. Pathet Lao pgm 1100-1130 // 6213. Sked given as 2300-0200, 0500-0800, 1100-1400. No anthem at s/off. I'm sure it no longer uses the Voice of Peaceful Laos name (Sathani Withayu Sieng Lao Santisouk). New name is S.W. Kachai Sieng plus two words. R. Pathet Lao net in Lao to 1430\* ex 1500\*. It has been long since I hrd their foreign lang net on 4660v, e.g. 1330 French, 1345 Cambodian, 1400-1415\* Viet.(Ugusa)

**VIETNAM NORTH** VOV Mountain lang pgs on 7512, 9840 at 1100-1400 are dropped. Now carries 1100 Cambodian, 1130 Cyoed, 1200 Malay, 1230 Indonesian, 1300 Thai, 1330 Cambodian. Viet Bac stn extended to 1430\*, ex 1400\*s still opens 1125; hrd on 6855v (Ugusa 10/10) more...

**VIETNAM** (more) Tent. Hanoi noted 1540 past 1610 on 4927.5; s/off time unk. (Barracrough)  
**VIETNAM SOUTH** Saigon runs sporadic xmas on 1100-1500 on 4877 and 9622, both irregular and occur at any time during this period. (Mike Willis, Hampton, Vic.) Liberated Radio Saigon used to be heard on 9620 around 1100-1200, 1300-1400, but not sure if they are still on the air. Was hrd till mid-Sept, untraced since. Id in Viet: "Day la dai Phat-thanh Saigon Giai-phong, tieng noi cua Nhan-dan Saigon-Gia-Dinh, phat-thanh tu Saigon". (Ugusa, 10/10)

### C L A N D E S T I N E C R A N N Y

**EUROPEAN PIRATES** The 'winter' season started well 10/5: 6202, Britain's Better Music Station, 1100-1400; 6210, R. Revelation, 1034-1105; 6210, West Side R. "International", 1130-1215; 6215, later changing to 6220, R. Valentine opening 1100 with usual first-Sunday-of-month boat; 6243, Skyport R., opens 1100; 6251, ABC Europe, 0900-1400. Present power of last is 200w, which may lead to close down by authorities. R. Revelation is new, with American accents, fake interviews with Dr. Strangelove-like psychiatrist, etc. Much better than mere pops. Gives address in Perpignan, France. R. Valentine's DX pgs says R. Kal-aidoscope is in fact running its own SW xmt on 6225 // MW: maybe mistake for 6255 where I've hrd it. (John Campbell, NU) R. Amorey International hrd 8/17 1008-1039\* on 6242 (Pinn Krone, Denmark, via DSWCI 9/75) Note: most operate daytime Suns only!

**EUROPE** Per press sources via Chenal, 2 cland. stns operating, one leased to Northern Portugal, one to southern; one since late March, other should be on by now. 9/15 press item days one or both operated by "Friends of Gen. Spínola" and indicates that Port. govt. traced QTH to Spain. (Larry Magne, Philadelphia PA, in NU 9/75) File on so-called journalists who neglect to publish frequencies: (gh) Per the Port. journal República of 9/4, a cland. sta appeals for fight against communism. It broadcasts in Port. every eve on a fq. also used by BBC Port. pgs. Supports Spínola, per French weekly "Le Point" (Chenal, SCDX 9/23) The station Frente de Libertação dos Açores, or Radio FLA, broadcasts every 2nd day or 3 times weekly, on SW

from Terceira island, per French paper Figaro. However, the FLA HQ is in Canaries (Chenal) **MIDEAST** Several radio and agency reports say an unofficial station calling itself "Voice of Lebanon" operated by the Lebanese Phalangist Party has been broadcasting during the recent disturbances there. One report said it was between 970 and 980 kHz. (BCMS 9/25) Plays Lebanese marches, etc. (Magne, 9/20) No SW operations from any sides in the fighting as far as I know. (John Campbell, England, via NU 10/11) Per French papers, "La Voix du Liban" resumed 9/20 after more than 15 years silence. Uses Arabic, French, English on 1170, a.k.a. "La Voix du Movement National Libanais" (Bernard Chenal, France, SCDX 9/30) The PLO's Voice of Palestine has been transferred to Libya, per a rept in the London Sunday Telegraph (Mike Barracrough, Letchworth, England, 10/8) after being expelled from Cairo, see last month (gh) Radio Cairo filled the vacated time with its own Palestine Service, 1800-1930 on 9755. R. Algiers said 9/12 that the VOP would resume within the next few days from an independent stn owned by the PLO. (BCMS 9/18) This was heard since 9/21 on 1515 kHz at 0300-0400, 1200-1500 and 1700-2000 (BCMS 9/25) "Voice of the Omani Revolution" from Aden Radio, South Yemen was extended 15 min during Ramadan to 1600-1700 on 1170 (BCMS 9/18) **AFRICA** A Spanish speaking anti-Spanish stn was heard at 2205 on approx 359m (836 kHz -gh) calling itself "La Voz del Sahara" in a program, "Noticiero Saharani" (Alfredo López Ares, Madrid, Spain, via SCDX 9/23) **AFRO-AMERICA** LV de la Resistencia Chilena, from Algeria, hrd at 2330-2402\*V, fair to good sig, mostly items on tortures, Chilean ex (Pitt McNeil, Washington DC) Measured here on 7143.1; announces a 21 MHz parallel: (gh) "Interference" is a French magazine publicizing black stations and pirates. No. 3 devotes several pages to black stations in USSR, China: B.P. 353-16, F-75768 Paris Cedex 16. (Chenal, SCDX 9/30)

### F U T U R E P L A N S

**CANADA** In 1976, CHNX's MW parent, CHNS will mark its 50th anniversary. C.E. Dick Parker says there are 'plans in hand' to permit DXers and SW fans to assist in the celebrations. He'd like to receive suggestions and comments from as many people as possible. In the past, CHNX has run SW mailbag-type pgs, separate from the usual simulcast. (Adam Gaffin, NY) RCI's future transmitter goal is 10 x 250 kw, making relays unnecessary (Alan W. Brooks, SPEEDX 10/75) **FINLAND** A rotatable wide-band log periodic antenna at Porri will come into use next spring. Our new 250 kw xmt will likely begin testing at the end of next summer. The reconstructed Porri station will be ready for use next Sept. (FBC 4-75 sked) **HONDURAS** will be much in the SW news shortly. Audio Video S.A., the largest communications conglomerate in Honduras is expanding its MW stns onto SW. By early Jan 1976, new SW xmts in Tegucigalpa, San Pedro Sula and La Ceiba will be relaying R. America, R. San Pedro and R. Coiba respectively, becoming active in that order. R. America's old SW freq. was 6050. (Scott Reeves, Laurel MD, via DSWCI 9/75) **LIBYAN** radio reports The Voice of Friendship and Solidarity Radio will broadcast 2hr a day in Maltese from Tripoli, office in Valletta. (BEC MS 8/28) **MAURITIUS** A new 250 kw xmt will operate non-directionally 24h on 7200 (Helmar Fieger, Mannheim, W. Germany, SCDX 9/9) There goes another rarity. (gh) **PARAGUAY** ANTELCO says all non-official licensees must change to SSB before yearend. Should provide a bit more space for Bolivians in the 6200-6350 range (Tony Jones via NU 9/27) **VATICAN** is installing a 500kw xmt; will add 0700-0800 to ANZ (Arthur Cushen, DX Juice Box, 10/3 via gh)

## BROADCASTS IN ENGLISH

Note: D75 is the IGAR period 11/2/75 to 3/6/75, as initially foreseen.

ASCENSION BBC WS to Nam: 17840 1500-1615; 15260 2000-0330; 9580 2300-0330 (gh)

AUSTRALIA As usual, RA is considerate of its British listeners, by listening its morning xmsn to compensate for standard time there since 10/26. Now at 0815-0915 on 9570, but also carrying general service from 0700. Same day, GS for Pac at 1800-2200 was to move from 11840 to 11725. As of 10/19, no plans had been announced to change the timing of the morning service to Nam from a yawny 1115-1245 in most of the country, despite incessant com-(gh) complaints last winter. This year's return to standard time cannot have taken them by surprise.

CANADA BBC relays via Sackville to USA for D75: 5990 1200-1330; 6175 2300-0430; 9510 2300-2430; 15365 1100-1215, 1600-1830 (note extended time!) RCI D75 changes: 1800-1900, 11865 ex-11855; 2100-2200 11895, 9640, 6145, ex-15325, 11855, 9625; 0800-0900 reverts to 0900-1000 still on 5970, 9625. (via Richard N. Allen, Billings OK) What has happened to the Sydney NS 6010 stn, not heard in over a year? (Al Sizer, New Haven CT, via NU 9/27)

CHINA R Peking noted on new 12055 during 0100 xmsn 10/18 (gh) weaker than // 11945

ENGLAND BBC WS D75 beamed to Nam: 5925 2115-0330; 7325 2200-0330; 9580 2115-2300; 15070 1100-1330 (London Calling 11/75; subject to further refinement. In practice many other transmissions are well heard. And see also relays: Ascension, Canada, Malaysia, USA) (gh)

ETHIOPIA RVOG heard in English at 1945-2030 on 11910 in Japan (NHK DX 10/19 via gh)

FINLAND Considerable changes due to construction work at Pori. Complete D75 sked, 100kw\*, to Nam underlined: 0730-0800 6120\*; 1400-1430 1518\* 11755 (and 6120?); 1830-1900 9550\* & 11755; 2030-2100 6120\*; 0300-0330 9220\*. Rest, 15kw; no more 21 MHz 1 kw (via: gh)

GREECE "Voice of Greece" new name, now has English to Nam at 1215-1230 on 9520 (Kernick; BBC WRC 10/1 via Bob Bodell, Portland OR; Alan Anderson, Hopedale MA; gh) An inuspicious start: very poor timing and frequency selection. Really for Nam?? (gh)

GRENADA I note that WRTN continues to carry the R. Grenada freqs of 15105/11975/9550 altho, to the best of my knowledge, nobody ever hears them there (Bob Hill, Berkeley CA) Well, John White in Florida reported them to SPEEXX 7/6 at 1602 on 2550 w/local news (gh)

HUNGARY R. Budapest sked effective 10/5/75 to 4/3/76; Also, the Calling DXers and Radio Amateurs program, 1200-1240 Eur Mon-Fri 17715 15160 11910 9833 9585 7215 7155 1515-1530 Eur Tue/Fri 15415 1430-1500 As Mon-Fri 17785 15160 11910 9585 7215 11910 9585 7200 7150 6110  
2130-2200 Eur 19415 11910 9655 7200 7150 6015 5965 (daily) 6025 1340  
0200-0230 Nam Tue-Sun 6000 6115 9585 9833 11910 15220 17710 0400-0415 Nam Wed/Sat same as  
0300-0330 Nam(daily) 6000 6115 9585 9833 11910 15220 17710 at left /10/25 sked via gh

INDIA I have researched AIR's central news pgs with these findings: 0900 (slow speed) on 15180 15285 15360; 1130 on 11935; 1230 on 11850v, 11734v, 6120, 1427 past 1435 sports on 7190 (or 7195) 7125, new 9950, 10335, 6145. 1530 on 7125 7195 9705 (Mike Willis, Victoria) AIR HS is on new 9952 1335-1630 in English, vernaculars; (BBC MS 9/25) Am hearing news at 1530 on 9952 (David Kernick, Prescott, Merseyside, England)

ISRAEL IBA, tentative D75 sked to Nam: 0500-0515 5900 5950 7395 and for west 7412; 1200-1230 17815 15100 12025; 2000-2055 9815 7412 5900 (Larry Magne, Philadelphia PA) 11642 was adjusted to 11643 circa 10/13 to lessen ute QRM on low side (at 2000) (gh) \*\*\*\*\*

JAPAN NHK complete D75 sked; new freqs underlined. \*\*contradiction NHK DX 10/19 & RJNxl1/75 2015-2045 ME/NM 7250 9700 0800-0830 Eur 15325 15430 1115-1145 11875 9675 S&S 1830-1900 Eur 7195 9605 0930-1030 ANZ 15235 11875 1630-1700 7250 9670 S&S/AF 0130-0230 Nam/Hawaii 17825 17725 15195 15420 2345-2445 Nam 11705; 15270 or 15300\*\* (via gh) General Service (15 min on the hour exc. 30 min 1000, 1400, 2300) to Nam 0400-0915 9505; 1000-1815 5990; 1900-2115 9505; 2200-0315 15105. To other areas, 1000-0515 9585; 0600-0915 15310; 0100-0715 17880; 0800-1115 15195; 1200-2115 11815; 2200-0015 15195 (via gh)

LEBANON Beirut using new 9245 at 0230-0300 to Nam, announced as 9695 (9675? gh) and time as 0130 at the end of the pgm (Bob Bodell, Portland OR) Hard to concentrate over there...(gh)

MALAYSIA BBC WS again beams 11750 our way 1100-1330, D75 (gh)

MALDIVES Booming in 10/5 on 4740, rarely hrd recent years; "World Tomorrow" 1530-1600, then mostly pops to 1730\* (Mike Barracough, Letchworth, England) Gee, I can hear Garner Ted too!

NEPAL R. Nepal's external service is at 1435-1520 with folk and modern songs, interesting facts, folk tales, interviews, listeners' mail, etc. Also nx in HS 0220-0230 (via Jamison)

NETHERLANDS RN's complete D75 sked; new freqs. underlined. B-Bonaire; M-Malaguys. (via gh) 0630-0750 NZ Bl1730 1400-1520 S&S/AF 17810 1830-1950 Af/Eu 15375 2130-2250 Nam 11730 0800-0920 ANZ B9715 15415 15260 M11740 11730 6020 M6020 9715 (not Sun) 0930-1050 Eu 7240 7210 1400-1520 Eu 5955 6045 2000-2120 Wsu M11730 0200-0320 Nam B6165 6045 5955 1646-1651 nNam Bl190 Bl1820 Mon-Fri 0500-0620 WNAm B9715 B6165

NIGERIA NBC National Pgm, Lagos operates 7255 0700-1630; 4990 0430-1000, 1500-2305. English times are: 0430-0703; Sun 0703-0715; 0715-0800, 0815-0903; Sat/Sun 0903-0930; 0930-1345; Sun 1345-1400; 1400-1430; 1430-1450 mix Yoruba exc. Sun; 1450-1545; Sat 1545-1600; 1600-1700; Sat 1700-1715; 1715-1815; 1830-1903; 1903-1923 mix Yoruba; 1923-2305. At other times are news in Edo, Efik, Fulfulde, Hausa, Igbo, Ijaw, Kanuri, Tiv, Yoruba. (BBC MS 9/75 via)

PHILIPPINES DACR-2653 still on, very good strength around 1200. This should make it to OK. (Kevin Snot, Vacaville CA 9/27) It does: Around 1230, Voice of Prophecy, 2 x 1326.5 (gh)

POLAND No changes in Nam freqs for D75, M76, or in times for other English (PR sked via Mac Leonard, Liberty IN, and Ed Insinger, NJ) more... \*\*\*\*\* late word from Larry Magne on IBA EE for D75, addtl freq 0500-0515 to Asia-Pacific 17685, 1200-1230 added freq to NA, 11655, Asia-Pacific-11640, 2000-2055 added to NA 11642, 9009 to Africa

BAHAMA Voice of Malaysia tested on a number of freqs, 0625-0855: 1527: from 0/1: 1527 on 5/27 (Conn Mainland, Wellington NZ) 1525 9/2 (Robert Chester, Adela e SA) (ADN 9/75)

SEYDIK Radio at 0600-0830 has been moved from 1191 to 1180 (Victor Goonetilleke, Sri Lanka, Sri Lanka, and Richard Linby, Vauderhulst, Transvaal, S Africa, via SCA) (15) sure could use a current sked for this one! (gn)

SOUTH AFRICA Radio RSA changes for 175: 1600-1650 on 7270 ex-15220, 11900, 17750, 2100-150 on 7270, 9525, 11900 and 15155 ex-5980; 2230-2320 on 9525, 11900, 11970 ex-9585, 15155 ex-5980 (David Kernick & Mike Barraclough, England) But may stay on 9515 at 2230, 9300 (15)

SPAIN RNE on new 11880 ex-11925 // 6065 at 0100, 0200 10/16, and presumably 0300 (gn)

SRI LANKA SLBC is on 3395 ex-3385 because 2nd harmonic of 3385 was QRMing Ceylon Railways communication freq. 1330-1730 // 4940. For all-night service 4835 replaces 4830 which was used only in Aug. QRM Rawalpindi-4833. I am pressing for its removal to 4845, 4855 or 4880 (Victor Goonetilleke, Sri Lanka, via ADN 9/75) Varies down to 4834 (Mike Barraclough) SLBC's test at 0900-1000 on 15120 is also on 17775 (David Kernick, Merseyside) HS at 1130-1730 has moved to 4940 from 5020; news at 1245, 1330, 1545, 1700 for 10 mins. (BBC MS 9/18)

SWEDEN R. Sweden's optimistic 075 sked: H-Hörby, K-Karlsborg given with azimuth. 1/2 hr pgms. 1100 9630 K-260, 21690 H-180 1830 6065 K-260, 9625 H-180, 11780 H-165 1230 9605 K-60, 21690 H-180, 15305 H-295 2030 6065 K-260, 9635 H-180, 9605 H-145 1400 11735 K-90, 9765 H-110, 15305 H-310 2300 6045 K-310, 6035 H-295, 9605 H-310 1600 6065 K-260, 9665 H-100, 11735 H-115 0230 6045 K-310, 9695 H-310 (via gh)

SYRIA Using 2585 at 2030 one night when looking for Mogadishu, but not on 10/8 (Mike Barraclough, England) Morning pgm retimed to 0600-0630 on 7100; 1930-2100 on MW only, but announcing a 31m channel, not located; 9655 one used. (BBC MS 8/28)

THAILAND BMR non-sked should have read 0000-0330, not 0300-0330 last month (Cushen RN 10/3)

USA BBC WS relay continues on 9510 at 0030-0330, presumed still Greenville (gh)

USSR R. Moscow Nlm sce opens 0130 on 9505, recently new, seems polar-flutterier than 9530. This is of course announced as "9.50". (gh)

VENEZUELA R. Nacional has resumed an English program at 2200 past 2300 on 15400. (gh)

#### B B C N S M E D I U M W A V E N E W S

ANDAMAN ISLANDS AIR institutes a regional nx bulletin in Hindi as from 7/1 daily at 1335-1340 from its Port Blair stn, to inform about important events in the territory. (7/10)

AUSTRALIA The country's first access or community station was inaugurated in Melbourne 5/12. An entirely new concept in Australia where broadcasting had been by commercial enterprises or an independent commission. It provides an outlet for any responsible person or community group with a message of any type of public interest. "3Z" has been set up by the ABC, and will be on the air 5 hr each evening with news, discussions, music. More than 30 organizations have been allotted free time. (5/22) Later this got out of hand, per ADN (gh)

BULGARIA 727 has replaced 827 for the Sofia xmtx in the "Khristo Botev" HS (6/12)

CHINA In order to popularize foreign language education, the Shanghai City Service and two schools are sponsoring sparetime English and Japanese lessons by radio. English began 9/15, on 1300 kHz; new lessons Mon/Wed/Fri, repeated Tue/Thu/Sat at 2200, 0400, 1030, 1300, 1900 each. Recap Sun. 0030-0200, 0930-1100. Japanese begins 10/1 same days as above, on 1420, at 2230, 0430, 1130, 1330 with Sunday recap 0200-0330, 1030-1200. (9/25)

COLOMBIA RCM, Bogotá said 7/3 its affiliates LV de Barranquilla; R. Pacifico, Cali; LV de Medellín; and Emisora Nueva Granada, Bogotá each had increased power to 30 kw. (7/10)

COSTA RICA R. Monumental is networked on Cd. Quesada-1475, Nicoya-1450, San Isidro Pérez Zaledón-1150, San Isidro de Punta Arenas-1050, San José-650 and announced Limón-1375 and Liberia-875; at 1100-0500. R. Universidad-850 runs 1300-0400 including BBC relay 0115-0130, and Tue-Sat 0130-0200. R. Juvenil-925, San José, is 24h. (6/26)

GERMANY Sen. Stobbe of W. Berlin warned the Eastern bloc against "strong-arm acts in broadcasting policy". He said whereas WG and Berlin stns planned only slight increases in the number of their MW freqs, the GDR notifications to the international re-allocation conference to be held in Geneva, envisaged nearly twice the number of freqs and 3x the power output, drastically reducing the effectiveness of WG xmtxs--unacceptable. (9/11)

GREECE EIRT is to get a 1000-kw MW xmtx to replace the 150kw being used for the Program I HS--to be in operation by end of 1976, audible thruout E/NEA during darkness (9/4)

IRAN The regional service from Qaz-e Shirin has been observed on 612 at \*1425-2130\* with programs in Persian, Kurdish, Quchani, Arabic. (9/25)

LIBYA "Voice of the Arab Homeland" pgm has been extended two hours to 1900-0100 from Tripoli on 1448, 1250 and 1124, and from 2200 on 674 (6/19) Megawatt 1124 makes it to NAm (gh)

MALTA A daily Arabic program began 9/1 2130-2245, helping Libyans "know Malta" (9/4) on 1570

PAKISTAN The Bahawalpur stn opened experimentally on 7/1--completed in the record time of 6 months (9/18) Australia is giving Pak 10 small stns to assist in rural BC. The first should be operating in Sind Province by yearend. (9/18)

PANAMA Because of 8 months of silence, LV de Colón's license was revoked 8/14 (8/28)

QATAR New 750kw 952 kHz was tested 9/1 and went into service 9/2, using a 6-tower array. Operated 1500-2230 or later; Xmtx at Al-Qurayh in the northern coastal area. (4 reports)

SAINT LUCIA Marconi have won a contract for a 2nd xmtx of 10kw nr Castries (5/22)

URUGUAY R. Carve says SODRE's CX6, CX26, CX28 will have their powers increased to highest in the country so as to "defend national sovereignty" (9/11) R. Carve says R. Reconquista, CW150 in Rivera began 8/14; relays Carve's nx (8/21) YUGOSLAVIA 1000-1200 kw MW xmtx for R. Zagreb nr Vrnja has been approved. Titograd radio is to be improved, too. (7/31)

## PROGRAMS

The programming section is a very welcome addition. I have been induced to become more of a true SWL and enjoying it immensely. Isn't it odd how many of us fail to note what is being said in our quests for rare DX and QSLs?" (Ed Shaw, San Diego CA)

SAVING TIME Fulfilling one's interest in program content can become quite time-consuming. Also, some programs are bound to conflict with others on SW, local radio or TV, sleep, work, etc. Though it is energy-consuming, the solution is to tape-delay such programs. I use a Micronta timer, which can be set to go on (once per 24h) for as little as 15 minutes. In practice it is often reset; to prevent resetting its clock, the dial must be held down firmly while changing the on/off markers. If you have a real tape recorder like my Akai X-150D, with easily accessible mechanical switching from 60 to 50 Hz power standards, you can play back programs 20% faster than recorded, in 5/6 of the time. Most speakers remain quite comprehensible. Very slow, preferably bassy speakers can stand to be recorded on 50 Hz setting, and played back at the double speed on 60 Hz, i.e., actually less than twice as fast. This always raises the pitch of the voice, which becomes less objectionable with familiarity. A new technique called "speech compression" is foreseen for home-market cassette recorders. This cuts out pauses and extraneous syllables, so when played back the speech is much more rapid, with no loss in comprehensibility or increase in pitch. (Not to be confused with a modulation technique of the same name, which has nothing to do with time.) (gh)

AFRICA is the only continent with several external stations attempting to provide an African radio service. It's analogous to the RFE/R Liberty missions of telling targetees about what is going on in their own countries, but for different reasons: Most ISWBC stations' mission is to tell the rest of the world about their own countries--but several of them become a mirror to Africa. Paris Calling Africa has already been reviewed here. But American SWLs with an interest in Africa can benefit from these services, which are usually more easily received than broadcasts from African countries--and can take a broader view of events than can some more biased nationalists. Radio Canada International's 1800-1857 program has been substantially different from others on weekdays, e.g. Thurs. 1836-1849 African Press Review. But now it looks as if RCI's hour-long programs are being merged into uniformity. VOA this past 6 months had English designed for Africa at 0600-0730, 1600-1800 (Sat/Sun -1730), 1900-2100, and may continue the same. Those in eastern NA too close to Bethany or Greenville can hear these 'off the back' from Monrovia. BBC African Alternatives impress us most. For instance: News of the African World, daily at 0330 on 9580 7105 6005, and at 0509 (Sat/Sun 0515) on 7270 6005; followed Sats 0335, 0520 by This Week & Africa, repeated at 1500 on 17695. As from 11/23, Suns 1500, African Theatre. Mon-Fri at 1515, Focus on Africa, for the latest current-event coverage. At 1630 on 11740 and 1730 on 9695, 11680 try these: Tues., Africa's Money Matters; Wed., Arts & Africa; Thurs., Blueprint Africa; Fri., What the African Papers Say. (All freqs given are Ascension, except 11680 17695) (gh)

CANADA Now RCI is beaming As It Happens to the USA! If NS on 11720/5960 and 9625 doesn't come in well, try 6085, Mon-Fri 2330-0100. The satirical series Inside from the Outside is back for another season, Sats. 0030-0100 on these frequencies. As is Dr. Bundola's Pandemonium Medicine Show, noted Sat. 1530 (now should be 1630) but maybe not a permanent spot due to National Service (a.k.a. World Series) intrusion. Now occupying the former RCSWC spot on Sats. is Weekend Magazine--just what we were all thirsting for... (gh)

ECUADOR The Tuesday program of Passport on HCJB will include technical data of the station, a possible area of interest to some DXers. (Arnold J. Lausevich, Milwaukee WI) That would be Wed. GMT 0130-0230 and 0600-0700. Every Tuesday? (gh)

GREAT BRITAIN Most enjoyable and pleasant on BBCWS is Music from Scotland, Sat. 0100. Host Jimmy MacGregor is a real expert on that music and is a composer himself...a cordial host, complete with authentic Scottish accent, who speaks from the heart rather than from a script. One program featured some beautiful Gaelic songs..(Kim Andrew Elliott, Minneapolis) This month's picks are With a Sword and a Spade, Suns. 2145, Tues. 0145, 0815, Thurs. 1330; on famous roads of the past (who but the BBC would think of doing this?!), 11/2 The Silk Road of ancient China; 11/9, Royal Roads of Persia and Peru; 11/16, Ancient Rome; 11/23 After the Fall of Rome when roads deteriorated; 11/30, Alpine Roads. And, They All Laughed... (at inventors who were ahead of their times), Mons. 0745, 1115; Fris. 1730, 2315; 11/3, The Great Victorian Flying Machines; 11/10, 1700 Years of the Steam Age; 11/17, Telephones, Talking Machines and Stereo; 11/24, TV and Talking Pictures. Dates--first airing. (gh)

HUNGARY Would you believe Radio Budapest is inviting its 'fans' to send in for broadcast, tapes stating their point of view on subjects scheduled up to 12/97 7 1/2 ips wanted. (gh)

USA Almost all the AFRTS items we run do not appear in their outdated 3/75 master sked, sent out unupdated upon request. Everything is now one GMT hour later due to standard time, which AFRTS thinks ends 2/29/76, instead of 4/25. Boo to CBS for revamping its formerly fine weekend features 10/18, with Dallas Townsend's talents turned from 'One View of the Press' to News Profile--another personality cult zero, Suns. 1/05. Earlier, Jerry Dunphy split from CBS-LA, ending Entertainment West, so Mike Wallace is at Large 6 days a week, e.g. Sun. 1724. What's New at the Movies becomes In the Spotlight, Sun. 1713. Mutual's try at meeting the press, Reporters Roundup, runs Tues. 0435, 1035, 1635. Mutual Black Net's Bicentennial entry, Red, White & Blue in Black, shows on alternate week Production Feeds, Sats/Suns 0035, 0635, 1235, 1835, half of them usually preempted. States of the Union this month, Mons. 0500, Sats. 0900 are: Nov. 10/15 OH, 17/22 LA, 24/29 IN, Dec. 1/6 MS. (gh)

USSR Radio Kiev programs include: News Report; Mon., International Commentary; every 2nd Mon., DX Club; Thurs., Ukraine Today; Sat., Mailbag; first and 3rd Mon., Meet the Youth; first, 3rd, 4th Mon., Music from Ukraine. (Bob Padula, Australian DX News, 8/75)



Why isn't there decent programming on SWC?--decent as compared to "S Radio, continually excellent news, a good music playlist (or at least not playing "Jumpin' Jack Flash" against "Rhinstone Cowboy" or such), topicality of features (forget the home nation's fertilizer shortage that affects the walnut crop unless it is news), and general ability to hold my interest as well as local AM/FM. It would seem such would be available...it is but on a very few stations...so here are Coursey's Best and WURST... **Best:** 1. RCI, who despite, cancelling RGSWC, QSL's, Christmas and so forth, have consistently excellent programming...and really good news. The Northern Service is great...better than local radio! 2. Swiss Broadcast-Casting Corp., many will disagree, but their 30 min. "Dateline" is quite well done. 3. AFRTS, for bringing all-news to SWC. Now..if they'll just pick up NBC's News and Info Svc... 4. UN Radio. 5. R. Nederland, good features...better news elsewhere. **WURST** 1. The entire Soviet and Chinese Sphere...poor all around from programming to poor lines. Bright spots: Prague, Yugoslavia. 2. The Bible Thumpers...especially HQJB and WYFR. Bright spots: 4V2H and KCEI. 3. Belgium and Vatican Radios...for the length of time the programs are on they could probably call their listeners (both of them) on the landline for less cost. Shades of Mediocrity: The BEC...I respectfully submit that they're overrated. Now, if they get Monty Python... Hate mail will be personally answered. (David Coursey, 10323 Estate Ln., Dallas, TX 75238, an intern at NNIS affiliate WRR) Some good points, David, but I take issue with a few of them: AFRTS is not and should not be 'all-news'--it is (almost) all-talk. Picking up NNIS would mean dropping almost all its other network sources, and the many news and public affairs features running from 3 to 59 minutes. On the other hand, 15 or 20 minutes a day from Belgium, Vatican, is just about right, when well done, considering all the competition. I, for one, don't care a whit about popular music on SW, and wish stations would quit feeling they have to interrupt the talk every few minutes for musical relief. (gh)

DX PROGRAMS

CANADA You're in luck if you understand non-English languages. Only other being dropped is Portuguese, and it wasn't full-fledged, as most Brazilians preferred to contribute to the Spanish version. Spanish seemed expendable, being preempted at least twice in Oct., but is still sked Suns. 0033 on 1940 9535 6040, and 0333 on 9655 5990. French "Allo DX" (be prepared for a difficult accent) is on Sat. 1940 on 17820 15325 11865, 11830 9685 Daventry; Sun. 2040 on 11895 9640 6145; Mon. 0240 on 9655 6020. It includes a DX report from TELEX club in Belgium. German, Suns. during the 1715-1800 period, 17820 15325, and Daventry 7235 5995. Czech, Sun. 1530-1600 on Daventry only 9555 7225. (gh)

GERMANY WEST Deutsche Welle still has its monthly German DX program, with consecutive English translation, on the second Saturday of the month, and following GMT Sunday, in the German transmission at 0750, 1150, 1550, 1950, 2350 and 0350. And in Spanish during the 2300-0030 xmsn on the third Saturday. (G.G. Thiele, via David Kernick, Merseyside, England).

I used to complain about this not being in the English program, but if it had been, to NAM, we would have lost it anyway last April! However, it would not have been a tragedy, as the Oct. (Eng.) pgm reshaped mostly old material already broadcast elsewhere: Carnavon plans, NZDXL Convention, SLBC's DX pgm, the SCADXC, Zurich smoothed sunspots. Try 11/8; fall freqs not expected to have changed much are: 2350, 3995 6145 9735 11795, and Kigali 9700 15410; 0350, 3995, 6145, 9735; and Malta 6100 11865; Sackville 6085 9605. Spanish used 6075 6160 9545 11810, and Malta 6100 9610 11865. Then, there's Japanese on Tuesday following the German/English version, during 1115-1215 on 9605 11765 15225 11865. (gh)

MALTA Non-Bible-thumping must not pay off; "AWR will have to close down its pgms at the end of the year unless financial means can be found to continue. The General Conference Treasury reports only enough funds in hand for airtime through Dec." (AWR via John Tuchscherer, Neenah WI, via NU 10/4) So, meanwhile, enjoy World DX News, Sats. 2019-2030, hope still on 9755. 10/18 pgm read material from July LN: Walcutt's 'holistic', Ionosphere. (gh)

NETHERLANDS Espacio DXista has been reading Spanish translations of the "All Round DXers Course" (can't wait till No. 23, hi) D1975 sked Fris. 2045-2115 L: 9715 6085 6020; 2215-2245 L: 11950 6085; 2345-0015 Sats. B: 15320, L: 11845 6020; 0115-0145 B 6020; 0245-0315 & 0415-0445 B 9590. L-Loptik; B-Bonaire. (gh)

SOUTH AFRICA Radio RSA apparently feels that East Africans need the current DX Corner for beginners, while Europe and North America are ready for the new Saturday Corner for advanced DXers. In other words, the Wed. pgm will continue only at 1637. Sat. will be only in the 2100 and 2230 programs (2137 and 2307?). It also expands(?) into other language versions: French Coin DX, Thurs. 1200, Sun. 1800 and 2000 pgms; German Kurzwellenreiter, Tues. and Sat. after 1800; Dutch De Puntjes of DX, Tues/Thurs/Sat during 1700 pgm. (info direct from Gerry E. Wood, R. RSA, via Mac Leonhardt)

SPAIN Sad to say, but RNE's Spanish DX program isn't getting anywhere...just keeps on trying to explain the SIO code, etc., etc.: sometimes delayed until 0030, 0230 (Suns.) (gh)

USSR R. Moscow's "Our DX Program" was not to be heard at the expected times 10/16. Was it preempted, canceled, or rescheduled? (gh)

SLOW DOWN! Trouble copying rapid-fire DX pgm announcers? Speed-up technique on Programs page can be reversed for an 8% playback. Helps with foreign languages too!

SOLAR-TERRRESTRIAL CONDITIONS Solar Activity Very Low all dates. Date/Flux/A Index/Field:

23 76	2 Q	27 75	15 A	Oct 1 76	6 Q	5 76	5 Q	9 76	28 A	13 79	7 Q	17 79	6 Q
24 76	2 Q	28 76	10 U	2 78	3 Q	6 75	20 UA*	10 75	21 A	14 80	12 U	18 80	6 Q
25 76	4 Q	29 76	5 Q	3 78	7 Q	7 74	25 A	11 74	6 Q	15 81	5 Q	19 79	2 Q
26 76	8 U	30 76	2 Q	4 76	6 U	8 74	29 A	12 74	13 U	16 79	6 Q	20 78	4 Q

\*Storm began at 0530. Richard Eckman says the Space Environment Services Center in Boulder is again issuing its Preliminary Report & Forecast of Solar Geophysical Data, free? (NRC)

## MISCELÁNEA RADIAL

**DON'T YOU BELIEVE...** ...that Radio México really wants all those reception reports they request: "I am informed by a Mexican witness that there are stacks and stacks of unopened mail there now and the mail is many months old." (John Tuchscherer, YU 9/20) I saw exactly the same thing on a 1972 visit, but if and when they catch up, you may get pennants and record albums. (gh) ...the sunrise/sunset times for Tahiti in SPEEDX's booklet. (Job Bodell, Portland OR) This and the Lord Howe errors resulted from a wrong-hemisphere latitude or longitude, and there may be more... (gh) ...that the DX Stamp "Service" can't afford to buy advertising space rather than "kindly granting permission for its price list to be reprinted". It must be a (legitimately) profit-making business when it charges 35¢ for a Mexican stamp of face value 6.4¢. And return postage for a first-weight airmail letter from most countries is much closer to 26¢ than to 75¢. Stamps can be bought for face value at many national philatelic agencies. (gh) ...that cross modulation between Espanumeros and RHG proves they're at the same site. "What you were hearing may very well be ionospheric cross modulation, a condition in which the ionosphere is the medium of mixing. I used to hear VOA-1140 subimposed on Guangdong-1340 during the latter's Tagalog transmission to the Philippines, a bizarre example. And VOA and R. Peking don't share transmitter sites, at least not the last time I looked in my bathroom." (Charles A. Taylor, Indianapolis IN) I was aware there was such a phenomenon, but these questions arise: isn't it a SW weirdity ("the Luxembourg effect") affecting super-high power transmissions only? Does the 2.7-MHz separation in this case make IOM a less plausible explanation than the 0.2-MHz separation in yours? (gh) ...the single claim of a Radio Swan de Honduras QSL letter stating that it transmits from Swan Island, quoted on HCJB 9/13, using its old facilities--we're still waiting to see a copy of that letter. (gh) The original Radio Swan WAS on Swan Island. I am quite sure it is not now. (Don Jensen, Kenosha WI) In last month's LN... that John Campbell is in Scotland; the wide-ranger's base is in England; ...that Robert Yeo is in Western Australia instead of Victoria; that I would deliberately sprinkle the LN with strikeouts; so powerful was my ribbon that its typos eventually soaked thru chalky correction stuff. ...the high pitch of my voice on the Sept. 18 DX Juke Box; the tape was played back 15% faster than recorded! (gh) ...that "The DX'er has one objective - to receive a QSL card." (an article on Reporting Locals in the 9/75 NZ DX Times) Some of us have better things to do with our time and money than to try to get someone else to 'say the right words', telling us something we already know: that we did receive the station. QSL-collecting is fine as an extra option, and they're nice to look at, but the assertion that they are the only aim of the DX'er is a dangerous and narrow-minded idea. (gh) ...the DX tips on RCI's Spanish DX program. Unfortunately, some DX program producers/announcers are easily misled, not being active DX listeners themselves. On 10/12 a Panamanian contributor revealed that Kol Israel broadcasts in English at 2115 on 9009, 9625. The last time such a sked appeared in the WRTM was 1969. ...that there's a station in South Korea called "RBS" as the BBC World Radio Club perpetuated a typo 10/15 (gh) ...the Russian place-name transliterations like "Achkabad", as it is spelt in French, or "Wolsograd" as it is spelt in German. Russian can and should be transcribed directly into English, without confusion by interfering languages. (gh)

**PUBLICATIONS** A new monograph on the use of SW radio in language teaching has been published by the Center for Applied Linguistics, 1611 North Kent St., Arlington, VA 22209. This monograph No. 11 may be ordered for US\$1.00. It covers equipment choice and installation, operation of SW equipment in the classroom and language lab; language lessons on SW; integration of radio with other educational media; and statistics on use of major languages in international radio. The authors are Drs. Robert J. Nelson, Univ. of Illinois, and Richard E. Wood, Adelphi University. (Wood, Garden City LINY)

International Services Cited As Favorite

"The Regular Shortwave Listener in the U.S.", by James L. Hall and Drew O. McDaniel, in the Summer 1975 Journal of Broadcasting reports on a 1973 survey of the NNRC membership, including gh. One of five surveys asked for the respondent's four favorite ISWECers. It may not be valid to extrapolate from 304 NNRC members to a nationwide SWL audience in the millions. Why a multi-band club rather than an SWBC-only club like NASWA was chosen is not clear, but we do learn that NNRC's secret membership total in 1973 was 675 (gh) I don't think the study sufficiently proved its hypothesis. It also showed that TV usage among SW hobbyists is much below the national average. (Kim Andrew Elliott, Minneapolis MN) This was also spotted by David Mackes, Baltimore MD, who sent this copy. "Shortwave Broadcasts Span the Hemisphere" by Richard E. Wood in the October 1975

Americas magazine is a well-done illustrated survey of SW development throughout the continent, including addresses of some Latin American SWL clubs. (gh)

A number of lessons in the "All Round DXers Course", free from Radio Nederland, have been updated, including No. 23 by gh to cover harmonics from mediumwave.

African Survey 1975 includes a complete frequency list 2000-5900 kHz, listening times in Australia, QSL info; 4 IRCs overseas (6 by air), ARDXC, Box 227, Box Hill, VIC 3128. SPEEDX, Box 2, Elsinore CA 92330 has published a free (for SASE or 2 IRCs) "BIP"--Basic Information Pamphlet, No. 5 on Basic Propagation, by Doug Snyder and Mark Lucas.

Service	Number of Mentions	Percentage of All Listeners
Radio Nederland	152	50.0%
Radio Australia	124	40.8
BBC	115	37.8
Radio Canada International	86	28.3
Radio RSA	61	20.1
SBC	46	15.1
Deutsche Welle	44	14.5
HCJB	33	10.9
Radio Japan	32	10.5
Radio Prague	17	5.6
Conclusion		

The appeal of DXing, or tuning the shortwave bands for distant broadcasting services, was high among these respondents but the desire to acquire news and information from international broadcasting services was ranked significantly higher than previous research would lead us to believe. Thus, the hobbyist listener (the SWL) should not be dismissed as a mere technician.

THE DOGHOUSE Believe I've found a candidate. Rndio RSA vs. Turkey on 9515, 2230-2320, both english to Nam (Brandon Lovett, Coldwater OH). Yes, R.RSA finally caught on that WFR was on 9525 from 2300 so tested 9515 alternate days, and seems to have settled there, Turkey-be-damned. On 10/18, as soon as VOT mentioned "D" at 2216, R. RSA carrier blocked it already. This also put R. RSA a tight 5 kHz from both main BBC channels, 9510 and 9580. R. RSA also on 9515 at 0300. (gh) R. Nederland will be in the doghouse if it activates Lopik-11710 at 2300-0020, as planned for winter season, and RAE-Argentina stays on 11710 as we expect it to. Notice how some stations are victim-prone? Maybe they don't stand up for their 'rights'. Another bad conflict is on 6165 around 0100. R. Nederland had planned to use 6120, but Spain had prior claim there. But Vatican remained on 6165 vs. RN despite its relatively clear channel 9995. On the densely crowded 6 MHz band, no station should use more than one channel per program per target area. (gh)

IN MY OPINION... "There is no question that NASWA is the best SWCB club going. But should we be satisfied with 'best' or should we make efforts at improvement? I'm 100% in favor of the 'new look' instituted in FRENDEX since the new team took over. Two ideas which particularly merit attention are 'forums' for the membership to express their opinions, and contests/coordinated monitoring events." (David R. Ball, 62 Lexfield Ave., Downsview, Ont. M3M 1K5) This is typical of the reaction being received here and at HQ. I believe the old team viewed 'forums' as worm cann, which would degrade the quality of FRENDEX by opening it to general blab. But I for one strongly believe that members with something important to say should have access to FRENDEX. Would other LN contributors like their full address given to encourage more personal contact? (gh) Look at this: I'm going to indent:

"I agree with that statement 'Hearing stations without listening & profiting from the programs seems rather pointless.' I might add my own corollary, that DXing without becoming more aware of geography, languages, radio techniques and technology, and the international brotherhood of man, is time wasted. Unfortunately, I feel that the SW DXers that I have seen, are taking less advantage of their vast opportunities and that MW DXers are taking greater advantage of their relatively minimal opportunities..." (Charles A. Taylor, Indianapolis IN) Too many trees to see the forest... (gh)

This is International Women's Year--a great time for us DXers to ask ourselves why our hobby seems to appeal to so few women. Some women may be turned off by electronics, but DX listening can be enjoyed with no intimate knowledge of receiver innards. And women do at least as well as men in mastering foreign languages. Yet, major DX clubs' member- and contributor lists show a tiny minority of female club-joiners. Perhaps it's time for more affirmative action. Perhaps the ham radio terms "YL" and "XYL" (and OM, for that matter) are objectionably sexist--and agist! Time and again we hear stories of wives whose attitudes toward their husband's DXing hobby range from indifference to hostility. So a marriage between two MW DXers last year was quite a novel happening. Females who are already NASWA members are especially invited to express their thoughts on this matter. (gh)

CLUB NEWS A new SW club has started near Durban, called Westville International Radio Club, and is operated by students at Westville Boys High School. Under the direction of one of the masters, Rod Dougall, this club has in a short while made great strides. All enquiries should be made to Westville International Radio Club, c/o Westville Boys High School, P.O. Westville 2630, South Africa. (Denzil V. Baker, not a member, Durban, RSA, via Charles A. Taylor.) The sexual preference of this club is obvious, but not the racial... (gh)

NON-CLUB NEWS The Colorado Association of DXers, "CADX", is not a club!!! But it is always looking for names and addresses of DXers in that state, to compile a list which will be distributed to all on the list. Get-togethers in the Denver/Boulder/Ft Collins/Colorado Springs area may be arranged. Next list will be published in December. Contact Rob Harrington, 3181 S. York St., Englewood, CO 80110; phone 303-781-1185, 1900-2300 local time.

MEETING NEWS One of the main sessions at the joint meeting of the American Council on the Teaching of Foreign Languages and the Fédération Internationale des Professeurs de Langues Vivantes will be devoted to the use of radio to teach languages--Sat., Nov. 29 at 0900-1030 EST in the Monroe East room of the Washington, D.C. Hilton. Most of the world's major radio stations have provided materials for distribution, and representatives have been invited to address the session. Manufacturers of SW receiving equipment have been invited to display their products. Those with an interest in radio and language instruction are invited to attend. I will be chairman of the meeting. (Professor Dr. Richard E. Wood, NY)

'MOST WANTED' UNWANTED By all but one enthusiastic respondent. Perhaps it's too easy for each DXer to compile his own data from the voluminous information in recent FRENDEX (gh)

VOA SITES Have you heard VOA-Careysburg, or Okuma? Yes, you have. Better-known names are but generalities. Each relay base has an accompanying receiving site (R): Colombo: 2kals, 14 mi N of Colombo; R-Seedawa, 16N. Monrovia: Careysburg, 30 NE; R-Brewerville, 7 NW. Bethany: 26 N Cincinnati on Tylersville Rd; R-16 NW of tx site on Tolbert Rd. Okuma: Okuma, 55 NE of Kadena AFB; R-Onna, 18 NE. Munich: 11 NE at Ismaning; R-Ueberacker, 15 NW. Greenville: "The Edward R. Murrow Transmitting Station" ("a small honor for a great man." to quote a teacher I had back in HS); 2 xmt sites, A & B, and R-C, form an almost equilateral triangle with Greenville almost in the center. (Bob Underdown, Siloam Springs AR) This brings to mind an extensive 4-page article on past VOA sites, based largely on the personal visits of Adrian Peterson, appearing in the 8/75 Australian DX News, and also broadcast over his Sri Lanka DX program (Suns. 0420). Remember VOA-algiers? But Adrian missed WVUS. I'll award a free copy of Adrian's article to anyone who can answer correctly: who, what, where, when and why was WVUS? (gh)

INTRUDER WATCH It seems US military restricts its intrusions to stations which can hide their identity (from the FCC?) with a tactical call sign. Like "Kingspin" on 11945, with BBC as EFO, calling Crayfish 10/19 1445, then slight QSY. Gee, thanks. (gh)



Ian MacFarland, Producer, Weekend Programs, and Deborah Weinstein, Producer, English Section, North American transmissions.

#### CLOSED CIRCUIT

visited Radio Canada International's operations centre at Maison de Radio-Canada in Montreal to get some insight into the job being done by the staff of approximately 200.

Ian MacFarland is Producer of Weekend Programs, including LISTENER'S MAILBAG and SHORTWAVE CLUB. He joined CBC as a Technician in 1959, later served in the CBC's London, England office for three years as a Production Assistant, and then joined RCI as a Producer in 1966. He says shortwave is the cheapest and most enjoyable way of informing people and he feels more public education is required to show people that shortwave listening is a pleasurable hobby. MacFarland says he really learns a lot about Canada when he researches the questions sent in by listeners.

Deborah Weinstein is the Producer of North American transmissions for the English section. Her show goes "live" at 9 o'clock each night.

She spoke of a faithful audience of American listeners who write over 1000 letters a month to RCI. She says, "We Canadians are bombarded by the American media and Americans are not very knowledgeable about Canada. At RCI, we try to make up for that difference by making Canadian news, cultural news and music available to the U.S. Our current programming has no resemblance to previous programming which came out of this section. We now have a magazine show with its own theme and rhythm and the emphasis is on Canadian/U.S. relations. Our program is 100% Canadian content. We give all points of view in the news."

Louise Lajeie, Supervising Producer of RCI's English Service, is the first French-Canadian to have been appointed to that post. She spoke of the excellent co-operation between the different language sections and the good exchange of information which takes place. She hopes the staff newspaper will tell others "who we are, and what we do, and get them to contribute more to our programs." She added, "We are trying to get more contributions from various Canadian centres and we stress that the material be written with RCI's audience in mind and not for someone else. Our audience is entirely different and we cannot take anything for granted in our programming. We try to integrate meaningful events in Canada in broadcasts to other countries."

Gordon Redding has been an Announcer for nine years at CBC, almost exclusively with RCI. Redding works on the English service to Africa and the Middle East. He calls his job challenging because "serving Africa, the second largest continent in the world, is a bit like throwing ping pong balls on a tennis court." He admits the distance from the audience is a bit overwhelming and, unlike radio in Canada, the audience reaction is not immediate. It sometimes takes weeks or months for the reaction to come by mail.

Alan Brown, who was appointed Director of Radio Canada International in January, 1974, credits a task force in 1973 with opening up new possibilities for RCI. The task force, headed by Betty Zim-

merman, Director of International Relations, undertook a six-month study to determine how RCI's efforts compared with broadcasters in other countries including England, The Netherlands, West Germany, Sweden and Yugoslavia.

Mr. Brown called a recent Gallup Poll of shortwave users in the United States "very rewarding". The number of listeners to Radio Canada International in the U.S. has increased 2.8 per cent since 1973. The BBC, as runner-up, had an increase in American listeners of 1.3 per cent in the same period. "We feel that a listening audience of one million people in the United States is a pretty respectable figure, considering we only broadcast three hours a day to that country," he said.

Alan Brown mentioned some goals for the future. He said RCI must increase its trading capacity with other broadcasters and make increasing use of their relays to boost service in Latin America and Africa. He added, "We must improve our service and reception with more facilities and in this regard, we are ready to ask for permission to establish a transmitting station on Canada's west coast. It would be a logical development to have a transmitter in Vancouver so we could talk to the world in both directions... east and west, from there."

## RCI

June 23, 1975

# New Sound For AM Radio

By Josephine Mallo  
Daily News Staff Writer

AM radio has a new sound today at 770 on the dial.

It is KTWG, a "nonprofit, nonpolitical, noncontroversial" interdenominational Christian station which was to begin its first broadcast at 6 this morning.

"We will have good-quality, inspirational Christian gospel programs, good music, classical and semiclassical," said Dr. Paul E. Freed, president and founder of Trans World Radio, an international radio network of which KTWG is a member.

"We are particularly interested in Guam because of its strategic position - because of the Orient. We can reach Mainland China, Southeast Asia, east Russia and Indonesia," Freed said.

The radio station and transmitter of KTWG, located in Nimitz Hill, are the initial steps in establishing a larger transmitter in Merizo for international broadcasting, he said.

The projected Merizo station, KTWG, will have 200,000 watts of broadcasting power and will reach locations bordering and within the Pacific Basin.

The present station in Nimitz Hill has a transmitting power of 10,000 watts and will broadcast to Guam and adjacent islands, it was reported. The studio is only temporary and later will be linked to the Merizo transmitter, Freed said, with the studios and offices later located downtown.

The station will "start with local personnel," he added with the number depending on the rate of expansion.

The station's staff now is several missionaries and their families, supported by Christian churches and individuals in the United States.

The target audience is "all the people - whoever is home, the housewives, children, youth and we may even put on a short Vietnamese program," Freed said.

The station, which was built in three months, will begin with primarily music and later will add a variety of Bible programs. National and international news from Associated Press wires will be broadcast each hour, it was reported.

"We are interested in the people locally and in serving them," Freed said. "When we broadcast we will be talking

about Guam and our asset to Guam will not be in money."

The broadcasts will inform other countries about Guam and will promote the island, he added.

Freed estimated that the station normally would cost about \$2.3 million but "expects less because of the staff, which is not paid for labor, and facilities, which are already owned or given to us."

The studio's tape recorder, speakers, turntables and several other pieces of equipment were donated by the men of the nuclear submarine tender Proteus, Freed said.

Trans World Radio has stations and studios all over the world, he said, including South America, Spain, Lebanon, Holland and France.

Pacific  
Daily  
News,  
Agaña,  
Guam,  
22 Aug  
1975  
via  
Peter  
Campbell  
via  
Charles  
A.  
Taylor  
(IRCA)

# Log Section A

## Report

1605 - 5899



•Editor Sec. A: Robert Hill  
1626 Bonita Ave., Berkeley, CA. 94709

ASSISTANT EDITOR: Kevin Szot

DEADLINE: 15th of month preceding publication

Verily, a goodly month withal: two brand-new SWBC countries joining the ranks ... lots of choice DX items submitted ... and many first-time reporters, to whom a warm welcome!

- 2340 NEW BRITAIN I. RWNB. 1030-1130 C&W/regional mx, various mornings (Field).  
2340 UNIDENTIFIED. Mx 0335 and later chex; likely 2X1170, though fundamental possible. Guatemala, Venezuela, Colombia all ID here previous years (Hauser 10/11).  
2360 GUATEMALA. R. Maya de Barillas. 1055-1130 Indian-lang talk, SS ID, soft & light instrumentals, relig mx; strong -- better than // 3325 (Moritz, Zilmer, Hohnstein).  
2376 NEW GUINEA. R. Chimbu. 1130-1148 fade, mx; 1st time hrd (Field 9/16).  
2385 INDONESIA. UnID. 1400-1450\* long request pgms; x-2412 (Cosier).  
2390 GUATEMALA. V. de Atitlán. 0115-0125 marimba mx, SS talk, ID; F (Mayer 9/25). 1100-1155 ID, ranchera mx, SS & Indian talk; G (Zilmer, Field, Lineback, Shaw 9/25-6).  
2390 MEXICO. R. Huayacocotla. 0320 ID, Mex mx, mariachi; P (Abraham 9/24). # Thought they were inactive -- anyone else hearing them? (BH)  
2415 JAVA. RPD Tingkat II Sumedang, Jawa Barat. ID after Bandung nx 1400 and before Jakarta nx 1359. My 1st self-ID RPD -- no doubt about ID, either! (Cosier).  
2420H GUATEMALA. R. 1210 (assumed/likely). 1150-1201 fade, 1146 TG-- ID (Hauser, Szot).  
2428 NEW IRELAND. RNI. 0900 EE nx relay; wk (Sparks 9/28). Around 1100, jingles, features interspersed with short mx spots, Pidgin talk; good (Szot 9/27).  
2440H COLOMBIA. R. Cordobesa. 0357 RCN plug (Hauser 10/11). 0520 nx, ment RCN (Wegener).  
2460 CHINA. UnID. 1318 CC, revolting mx, usual stuff; G (Szot 10/5). And 1400+ (Hill).  
2468 PAPUA. RND. 0850 native/variety mx, 0858 chimes, W anct, C&W mx (Sparks).  
2503 JAVA. RDK Bandung. (assumed from DUDXC logging). 1125 M talk (Shaw).  
2695 NO. KOREA. Chongjin. 0920 KK // 2775 (Trubee 10/5).  
2775 NO. KOREA. Hamhung. 0915 KK talk by W followed by KK mx // 2695 (Trubee 10/5).  
2815 INDONESIA. R. Siaran PDK Kaliman or Kalawan ID at 1602. Barat TCs and Krawang is only other possibility I can think of; phonetically similar (Tyson 10/7 via NU).  
2830 SUMATRA. RRI, Tanjung Karang. 1110 talks, 1115 pop & soft Is. mx; F (Shaw 10/9).  
2854 (T) BALI & LESSER SUNDAS. RPDK Lombok Timur. Again active, 1339 ballads (Cosier).  
2907 JAVA. RPKDK Tingkat II Gresik, Jawa Timur. 1546 ID during rock pgm (Tyson via NU).  
2924 INDONESIA. UnID. 1320 here and another one on 2920.1 same time; latter might be RPKD Klaten, but no clue on 2924. Both poor (Szot 10/10).  
2960 CHINA. Kirin PBS. 1355 CC drama with mx; P. No // 3310 hrd (Hill 10/8).  
3205 BRAZIL. R. Ribeiro Preto. 2340 sports, ID; G on new freq but heavy QRN (Abraham).  
3205 INDONESIA. RRI, Bandung. This and Indos on many other freqs (e.g. 3342, 3960, 4773, 4805, 4855, 4955, 4985) on late/early around 1910 with Ramadan pgms (Cosier).  
3215 VENEZUELA. Ondas Panamericanas. 0000-0148\* nx, mx request pgm (6 reporters).  
3220 NEW GUINEA. R. Morobe. 1140-1143 lang, mx; ute QRM, P (Lineback 10/2).  
3222 TOGO. RT, Lama-Kara. 2225 FF talk, Af mx; VP-P in het (McNeil).  
3225 VENEZUELA. R. Occidente. Mx pgm to 0030\* (Field 10/6).  
3227 DOM. REP. V. de Libertad. ID, then merengue mx (Mayer 10/6). (0000-0010)  
3230 TAIWAN. BCC. 1215-1225 W CC talk; P (Mayer 9/21). 1345-1400 M&W CC talk, 1400 pips and martial mx followed by ID (Wilson 10/1).  
3235 INDIA. AIR, Gauhati B. 1331 pops w/ Indian flavor, M&W in Hindi, Tamil or similar; F (Szot 10/5). 1400 Hindi-type lang; E (Willis). 1420 M&W lang, poss interview; 1427 seemed hymn(!) past 1430; F-G w/ typical "distant" AIR miking (Hill 10/8).  
3245 CHINA. Szechuan PBS. 1334 CC mx, W anct shouting more like how one would announce a train arrival than the next song; F (Szot 10/5). Also here 1450 on 10/18; weak. Never hrd before and listed "possibly inactive" in Trop Bands Survey (Hill).  
3245 VENEZUELA. R. Lib. 0130-0306 many ads, IDs; SABC/3250 QRM (Perdue, Moritz, Mohr-  
3250 KALIMANTAN. RRI, Banjarmasin. 1130 W hosting soft mx, then seemed /mann, Price). change to pure gamelan mx; F amid roaring ute noise (Shaw).

- 3250 SO. AFRICA. Springbok R. 0040-0325 EE/Afkns, pops, ads, etc. (5 reporters).
- 3255 INDIA. AIR, Delhi. 1428 AIR IS (I love it!); F (Sztot 10/5).
- 3255 VENEZUELA. V. del Tigre. 2320 typical mx, ID; F (Abraham).
- 3260 NEW GUINEA. R. Madang Dist. 1140-1150 lang, local mx; P (Lineback 10/2).
- 3265 GUYANA. R. Demerara. Still there though seldom rptd. 0912 EE, pops (Sizer via NU).
- 3265 MOZAMBIQUE. RM. 0349 C&W/rock, EE TC; // 4923 also hrd but weaker (Wilson 9/18).
- 3277 JAVA. RRI, Jakarta. 1200 nx // several others; really superb level (Shaw 10/9).
- 3280 COLOMBIA. Em. Meridiano 70. 0200-0213 vocals, ment of Colombia; P (Lineback 9/28).
- 3280 ECUADOR. V. del Napo. 0150-0316 EL/LA mx, IDs; 0340 ck gone (Tuch., Price, Laves).
- 3290 GUYANA. GBS. 0205-0222 ID, TC, request mx show for calypso only; F (Mayer, Abraham). \*0755-0904 guitar ditto IS, EE ID, Hindu mx, birthday greetings; QRM from CN and R. Central, PNG (Shaw, Sparks, Schwartz, Ewing, Cosier). 2345-0005+, relig & cultural pep-talk, 2359 ads/ancts, then ute QRM; G till ute (Perdue 10/5).
- 3295 VENEZUELA. R. Trujillo. 0105-0242 LA guitar mx, ID, etc. (Perdue, Laves).
- 3295 UNID. LA 0000-0145+ typical LA fare, SS or PP (Perdue). # And not Trujillo? (BH)
- 3300 GUATEMALA. R. Cultural. 0100 SS, 0230-0430 EE relig pgms (to 0400 Sun.), then EL mx and SS ancts past 0530 (Zilmer, Fields, Pitts, Lausevich, Watson, Davis, Abraham).
- 3305 PAPUA. R/W/D. 1213 Pid(?) relig svc w/ mx; 332 (Laves 9/11).
- 3315 INDIA. AIR, Bhopal. 1410 SEA mx, ancts; F. Also Indo after Jayapura 1400\* (Willis).
- 3315 MARTINIQUE. Fort-de-France. 2340-0300\* FF vocals, play (drama), off w/ "LM." Has severe ute QRM. No longer ORTF -- what's new name? (5 reporters).
- 3316 SIERRA LEONE. SLBS. \*0601 EE relig msg, hymn, ID, pgm notes, local nx, TC, freq, nx in vernac, ads (Mazola, etc.) (Roberts, Driscoll, Gavaras, Hobbs, Price). 2315-2330\* pops/EL, nx, birthday wishes, chants, NA\* (Perdue, Miller, Dunn).
- 3318 UNID. 2308 FF rock, Stevie Wonder song; 2330 EE to 0003\* (Mohrmann 9/23).
- 3322 BOUGAINVILLE I. RB. 1105-1208, Is. mx, Pid talk; 1142 ID, 1200 nx (4 reporters).
- 3325 GUATEMALA. R. Maya. 0205-0315, \*1045-1050 relig pgms in SS/Indian (5 reporters).
- 3329V PAKISTAN. PBC. 1340 past 1402, SC mx/vocals, chants, lang dialog; P-F w/ rapid QSB and some QRM. TBS shows \*1415 but is always on well before that, even after Ramadan long over. Freq varies 3328-3330 (latter nominal) (Hill 9/27, Sztot 10/19).
- 3335 BRAZIL. RC de Conquista. 2315 M&W talk // 3205/3395/5055, at 2330 ID, then mx pgm. Strong compared to other Brazilians here (Field 10/7).
- 3335 BRAZIL. R. Alvorada de Londrina. 2330-2350 PP, mx, ID, mentions of Londrina; G. Logged when WWV sending U5 prop condx (Abraham 10/6). # At the risk of sounding like a nasty person, I have to wonder if the two above aren't the same! (BH).
- 3335 NEW GUINEA. R. East Sepik. 1150 lang (Lineback). # Pse note name change (BH).
- 3336 SENEGAL. RS, Ziguinchor. \*0556 string IS, 0600 FF ID, AA chants (Berg via NU).
- 3340 ECUADOR. Estación de Alegría. 0302-0341\* LA mx, SS IDs, NA\* (Tuchacherer 9/29). 0415 SS, Andean mx, under ute (Mayer 9/22).
- 3340 ECUADOR. R. El Mar. 0415-0510\* nonstop EL mx, 0440 long ID "R. Tropical y R. El Mar" (former being MW outlet); 4-min NA\*. A25/U5 condx. Long unrep'd (Abraham).
- 3340 UNID. R. Viloco, Bolivia? 022-0352\* accordion mx, SS talk, LA mx, Moog-guitar numbers; a few IDs sounded much like R. Viloco; P-F (Perdue 10/12). # Your ever-helpful LR-A Editor suggests that Messrs. Tuchacherer, Mayer, Abraham and Perdue congregate over a short beer or two and resolve this 3340 confusion! (BH).
- 3342 JAVA. RDK Pandeglang, Jawa Barat. 1422 dramatic Indo emoting, as if political oratory; 1450 ID after Indian songs (Hill 9/27, Sztot 10/5, Cosier).
- 3345 HAITI. RS 4VEH. 0005-0145 slow EE relig stories, FF talk & hymns (4 reporters).
- 3350 GHANA. GBCL. 2245 EE nx // 3365; bad het and unable to notch (Dunn 10/8).
- 3355 NEW CALEDONIA. R. Noumes. 1055-1104\* clas mx, FF anct, NA\* // 7170 (Lineback 9/26).
- 3355 VENEZUELA. R. Impacto. 0232 Rumbos net bells, TC, ID only for Impacto (Laves).
- 3360 GUATEMALA. V. de Mahualá. 0212-0226\*, 1115-1145 SS, marimbas (Thompson, Zilmer, 3360 PAPUA. RMB. 1200-1205\* Pid, GSTQ. My last 90M PNG stn (Corson 10/6). /Shaw).
- 3361 INDONESIA. UnID. 1400 after RMB (above) s/off, Indo talk, pops. New; too wk to get anything but seems non-RRI (Willis, Hill 9/27, Cosier).
- 3366 GHANA. GBC2. 2233 EE relig, 2245 local nx, 2303\* (Moritz 9/29, Mohrmann 9/14).
- 3367 1/2 JAVA. R. Angkatan Bersenjata. 1420-1432 soft-voiced W in Indo, pop vocals; another day M ancr. Fair. Only RAB listed around here (Hill 9/27, Sztot 10/5).
- 3375 ANGOLA. Em. Official. 2315-0001\* light/Af/pop mx, also hymn-like chorals, occ ancts in PP; descending songs at s/off (Shingler 9/28, Corson 10/1).
- 3375 INDIA. AIR, Gauhati A. 1344 Assamese talk re Israel, Sinai, Henry K; VG (Sztot).
- 3375 SUMATRA. RRI, Jambi. 1115 Koran, M talk, string mx; wk but alone (Shaw).
- 3377 JAPAN. NHK, Osaka. 0935 JJ HS, W talk; // 7285 but not // 3607 or 3970 (Cosier).
- 3380 ECUADOR. R. Iris. 0045 TC/ID; also hrd 6760 (2nd harm) (Agner). 1120 Andean mx on organ; terrible mod -- must have broken their xtal. Good Ecuador ID (Shaw).
- 3380 GUATEMALA. R. Chortís. 0105-0235 campesino mx pgm, many SS IDs, TCs, M charlando; ute QRM de strong stn on 3377 1/2 (Thompson, Roberts, Lineback, Jones, Sztot).
- 3380 MALAWI. MDC. \*0259 lang talk, drums, native songs, poss ads; 0307 EE nx, more wild native songs; VP-F with much ute QRM (Corson 10/6, Hill 10/2, McNeil 9/26).
- 3381 JAVA. RRI, Malang. 1346 Indo talk; P (Sztot 10/5). 1433 same, then local mx on native instrs (poes wayang kulit accomp); wk (Hill 9/27). ID per Tyson via NU.
- 3385 FR. GUIANA. ORTF, Cayenne. 0030-0117 clas/semi-clas mx, FF (Shingler 10/5). 0345-0350 FF live mx, Ali fight in FF; 0350\* abruptly (Mayer, Dunn 10/1). 0630 w/ some kind of special xen: FF talk, interviews, FF pops, IDs, TCs, "ORTF special" FF anct (Sparks, Driscoll 9/27). \*0902:30 guitar IS, s/on ancts in FF (Jones 10/9).

- 3385 NEW BRITAIN I. RENB. 1045-1211 EE political talk, local mx, ancts, mentions of independence, some crazy yelling; F (Zilmer, Lineback, Moritz, Laves).
- 3385 VENEZUELA. R. Barcelona. \*1000 NA, martial mx, ID, CSs, freqs, LA mx (Jones).
- 3390 ECUADOR. R. Zaracay. 0340-0420 sports, mx (4 reporters). 1037 ID (Moritz).
- 3394 RHODESIA. RBC. \*0400-0422 EE nx, ID, ads, mx; 333 w/ slight het (Roberts, Schwarz).
- 3395 ECUADOR. R. Fed. Sucúa. \*1100-1125 NA, Indian ancts, songs, ads, ID (Sparks, Shaw).
- 3395 INDONESIA. UnID. 1140 W hosting songs, 1200 Love Ambon & nx. Have seen both RRI Fak-Fak and RRI Singaraya listed here or nearby (Shaw 10/9).
- 3395 SRI LANKA. SLBC. 1349 SC vocals, 1359 EE anct, 1400 pips or GW, then more EE; 1401 back to SC vocals (Sztot 10/5). # More likely CW, since SL's hour is on 1/2-hour (BH).
- 3395 VENEZUELA. R. Universidad. 0353\* NA (Laves). 1016 non-typical SS singing (Moritz).
- 3396 NIGERIA. NBC, Kaduna. 2245-2304\* vernac, chants, EE ID, NBC nx (Mayer, Shingler).
- 3400 CHINA. PLA. 1153 W talk in CC; 242 (Jones 10/4).
- 3405 PAKISTAN. PBC, Rawalpindi. \*1315 Urdu, also many other times; G (Cosier).
- 3432½ JAVA. RPKD Kediri (assumed from DUDXC loggings). 1210-1220 long dialog; wk (Shaw).
- 3450 CHINA. CPBSI. Off since April, now back blasting in again; hrd 1353 (Sztot 10/5).
- 3535 CHINA. PLA. Reactivated and hrd 1550 // 3400, etc. (Cosier).
- 3607 JAPAN. NHK, Hiroshima. 1145 M&W discussion in JJ; really super sig (Shaw).
- 3767½ JAVA. RPKD Tuban. 1440 Indo talk by soft-voiced W. Freq 3762.3 (Hill 9/27).
- 3863 CAPE VERDE IS. RCCV. 0710 to 0900 fade; PP, local mx; 252. Yes, the sun was up over there, but they were heard! (Hohnstein 10/8-9-10). # OK, but doesn't jibe with \*0845 listed both WRTH and TBS. Anybody know if RCCV now s/on as early as 0700? If so, might possibly make it to WCNA (BH). 2320-0020 M&W, mx, ID seldom; VG sig with some ham QRM. A-index 2 this day (Abraham). # Would help if you gave date (BH).
- 3904½ ADMIRALTY IS. R. Manus, Lorengau. New country now on! First hrd 9/17 at 1050 with pops, then 1100 OC; on 9/25 at 1030-1120+ w/ continuous pop & native mx, 1118 ID; E level. My 200th C/H in 3 yrs! (Cosier). First noted 9/23 at 0750 past 0930 but below QRK; then 9/29 from 0718 past 1000 w/ segments of rock, C&W, local mx; at least 4 EE ID/ancts of test xmsns; peaked around 0800 and 0930, when equal to Bougainville/Wewak/Rabaul. Next day still going past 1200 (Hill C/H 204). On 9/25 from 0815, same details as above. Daily fare now; sounds like 10KW (Shaw). # Is supposedly just 2KW (BH). On 10/5 from 0940-1100 TO; ancts in local lang except for EE anct 0956; "This is a test xmsn on a freq of 3905 kHz from R. Manus, the NBC of PNG, PO Box 1359, Boroko, NG." Mx varied as noted above; sig fair to weak w/ long slow fades (Sparks). 1145-1200 chorals, 1200 EE ID; poor under ham QRM (Mayer 10/7). # Exact freq is 3904.3; should be QRK anywhere in USA now (BH).
- 3910 JAPAN. FEN. 0840 EE, Top-40 mx; 252 (Hohnstein). 1325 nonstop mx; G (Watson).
- 3910 UNID. Indian-sounding stn 1540 all over FEN; vy strong, so presume not Indo since this was poor Indo night. Continuous Indian mx. AKR on 3913 hetting BBC, so not them either! (Cosier).
- 3915M KASHMIR (PAKISTANI). AKR. 1443-1452 during "window" when BBC Tebrau off briefly; SC vocals, lang ID; poor. Nil when BBC leaves OC on (Hill 9/27, Sztot 10/5).
- 3925 JAPAN. NSB. 0800 JJ; PNG wk in background (Hohnstein). 1305 JJ nx over PNG (Watson).
- 3930 CAPE VERDE IS. R. Barlavento. 2341 PP talk, pops; terrible ham QRM (Miller 9/16).
- 3945 NEW HEBRIDES. R. Vila. 0800-0830 usually decent copy w/ FF talk, mx variety pgm of lilting organ mx & Is. rhythms. NSB co-channel out by 0815 (Shaw).
- 3952 CYPRUS. BBC. 0429 SS talk; excellent level (Fields).
- 3953 JAVA. RRI, Bogor, Jawa Barat. 1505 Jakarta nx; VP. Not hrd few weeks (Cosier).
- 3960 SULAWESI. RRI, Palu. 1356 Indo pops, 1400 ID during Peking quiet period (Cosier).
- 3965 PAKISTAN. PBC. 0045 Urdu ID, then chants; 0100 Urdu/EE ID; F (Rodriguez via TDXN).
- 3970 JAPAN. NHK, Matsuyama. 0915 clas mx // 3607; usually wk but today S9+45 (Cosier).
- 3980 SO. AFRICA. Springsbok R. 0300-0430 EE/afkns, ads, light mx, IDs (Earhart, Talbot).
- 3995 ASIATIC RSFSR. FE site. 1100-1400+ RR pgms; good reception (Willis).
- 3995 SO. AFRICA. R. RSA. 0256-0310 EE; clobbered by Deutsche Welle and hams (Earhart).
- 3995 W. GERMANY. DW. 0215 ballads & harpsichord mx; 0256+ xes w/ DW (Earhart). 2315-2330 GG, ID. X-4050? (Askiné 9/23). # Huh??? (BH).
- 4020 CHINA. R. Peking. 1400 IS, into KK vice EE rptd a few months ago (Willis).
- 4035 TIBET. Lhasa. 1412 W in Tibetan; absolutely bombing in -- super! (Sztot 10/5).
- 4079 MONGOLIA. RUB. From 1317 M&W in lang; after 1330 seemed drama w/ vocals interspersed. Very low-level mod; better audio on // 4761½ but that chnl severely QRMd by USSR wx, Kunming and maybe another stn. UB xmtxs in sad shape! (Hill 10/8).
- 4115V CLANDESTINE. VRPR. 1100-1230 KK talk, mx; G-P (Lineback 9/23, Mayer 9/21).
- 4164 INDONESIA. UnID, prob RPD-type. 1335 light mx (Sztot 10/19). 1420 boring solo chant past 1435; no talk. Indo on 4376 also solo chants then but not // (Hill 10/2).
- 4330 CHINA. PLA. 1107 CC talk by M; fair (Lineback 9/23). # Listed TBS, Jerry (BH).
- 4376 INDONESIA. Not just one but two IDs have been offered for this long-heard mystery: Victor Goentilleke (via UADX) says it's RPD Tingkat II Sepapintara (only 50% sure of last word), using Central Indo Time and QSP Samarinda; Tyson (via NU) has it as RPKD Soppeng, Sulawesi Selatan, w/ ID 1515 after Jakarta nx. Who's right? (BH).
- 4485 ASIATIC RSFSR. Petropavlovsk. 1220 RR talk, songs; fair (Mayer 9/21).
- 4635 TADZHIK SSR. Dushanbe. 1310 M&W RR, 1314 clas mx; barely QRK under huge ute (Sztot).
- 4680 ECUADOR. R. Nac. Espejo. 0145-0648 varied mx, ads, IDs (6 reporters).
- 4700½ NO. KOREA. Korean Coastal & Maritime BC Stn. Now hrd only \*1000-1012\* (seems to have dropped 1200 and 1500 xmsns); long dreary march-anthem to 1005, then W in KK to s/off. Mammoth sig! Not sure yet whether BC or ute, actually (Hill 10/3+).

- 4700 CHINA(?). UnID. 1151 W in CC(?) -- or maybe this is No. Korean as reported by BH in Oct. LR-A (Jones 10/4). # Unlikely, Jack, as you can see from item just before this one. My guess: Indonesian RKIP, a regular on 4699 (BH).
- 4740 MALDIVES. RM. 1520 ID; exc sig! (Willis). # Oh, go bite a kangaroo, Michael! (BH).
- 4750 (T) PAKISTAN. PBC. 1215 SC mx, 1216 lang, 1217 mx, 1225 anct; pwfl (Shingler 10/6).
- 4750 UNID. 1230 gongs, drums, wailing, lang talk; sev SC possibilities (Mayer 10/7).
- 4755 BRAZIL. Rdif Maranhão. 0028-0145 PP, pops, sports, ID (Brooks, McCoy, Whitehead). 0859 ID, Brazilian mx; 333 (Jones).
- 4755 COLOMBIA. Em. Nuevo Mundo. 0212 LA mx, ads, ID (Miller). 0840-0856 fast ancts, fiesta mx w/ wild fanfares -- definitely party mx! (Moritz). # Party? Where?? (KMS).
- 4763V MONGOLIA. RUB. Around 1100 w/ really nice sigs when Medan off for a few days; // 5054 w/ usual mix of Soviet transcriptions, etc. Up from 4762 (Willis).
- 4764 SUMATRA. RRI, Medan. 1115 Koran recital; 1325 IDs, jingles; 1600 Jak nx (Shaw).
- 4765 COLOMBIA. R. Catatumbo. 0105-0148 guitar mx, many ads, talks, TC, IDs (Thompson).
- 4770 LIBERIA. ELWA. 2135-2300\* EE relig pgms, 2200 VOA nx, IDs (5 reporters).
- 4770 VENEZUELA. R. Bolívar. 2300 (after ELWA\*) to 0348\*; typical LA fare (4 reporters).
- 4772 ECUADOR. R. Cenit. 0408-0422\* sportscast, ads, IDs, LA mx (Laves, Tuchscherer).
- 4775 AFGHANISTAN. R. Kabul. 1330 flutes, strings, M talk & vocals; F-wk (Shaw). 1450 EE pgm; fair with QRM from RRI/4773 (Cosier).
- 4775 COLOMBIA. Em. Kennedy. 0300A ID (also as "V. de Maria"); "Marines Hymn" sig tune
- 4775 JAVA. RRI, Jakarta. 1100 nx; 1600 Jak nx (Shaw). 1158-1235 nx relay, pops (Corson).
- 4777 GABON. RTVG. 0445 FF, local mx past 0530; P-F (Anderson). 2120-2309 FF, Af mx, many ments of Libréville; 2300 FF ID, vernac talk (7 reporters).
- 4780 AFARS & ISSAS. Djibouti. 1910 AA mx; VG (Cosier).
- 4780 KARELO-FINNISH ASSR. Petrozavodsk. 0302 M&W alternating items in presumed Moscow nx relay; VP and audible only because Carabobo off. No sign of listed // 5065 (Hill). 0335 RR talk by M&W, orch & RR folk mx to 0355 (Mayer, Tuchscherer).
- 4780 VENEZUELA. V. Carabobo. 0052-0220 Rumbos Net bells, ads, "más música" (3 reporters).
- 4781 HONDURAS. R. Juticapa. 1100-1210 ranchera mx, IDs (Field, Shaw, Laves, Willis).
- 4785 BRAZIL. R. Ribamar. 0110-0225\*, also 1015; LA/US pops, IDs (Tuchscherer, Field).
- 4785V MALI. RM. 2223-2359\* FF/vernac, chants, IDs; varies 4781-86 or so (5 reporters).
- 4787 COLOMBIA. Ecos Combeima. 0325-0745, 0923-1033 ads, IDs, "música súper (5 reporters).
- 4788 TURKS I. VSI8. Now has AM pgm, so possible WCNA! 1130 advice by W on adolescent-child rearing (wonder if she could do anything with Szot?), 1133 relig pgm (Field, Jones 10/4). 2146-2325 (also 2300A\* some days), Top-40 format (5 reporters).
- 4789½ (T) IRIAN JAYA. RRI, Fak-Fak. 1200 C&W mx, Indo pop vocals to 1230, then dead air till carrier off 1233; F but not hrd since (Corson 10/2, Hill 10/2 also!).
- 4790 BANGLADESH. RB. 1322 SC vocals, chants, M ancts; // 4890 clear, no PNG on a Sun. (Szot 10/19). 1420+ chants, M in lang, wkr than 4890 but in the clear (Hill 9/28).
- 4790 ECUADOR. Em. Atalaya. 0545-0557\* ballads & talk; QRM de Combeima and ? (Earhart).
- 4790 PERU. R. Atlántida. 0415-0439 LA mx, many IDs, 0457\*; F-G (Guarducci, Fields).
- 4795 ASIATIC RSFSR. Ulan Ude. 1247-1255 mostly clas mx, one RR song; F (Szot 10/5).
- 4800 ECUADOR. R. Pop. Ind. 0415-0917 usual stuff. Back here from 4807 (5 reporters).
- 4800 LESOTHO. RL. 0454 mx, ad(?), 0500 BBC nx, 0515 local ID, mx (Brooks).
- 4805 JAVA. RRI, Jakarta. 1600 net nx fld by Koran to 1620\* (Shaw 10/3).
- 4805 UNID. Apparently African. 0415-0445 tribal mx, unknown Af lang; always down in mush and unDable (Alleman 9/3, 9/14). # Kenya a tantalizing but unlikely poss (BH).
- 4806 BRAZIL. Rdif Amazonas. 1020 M hosting PP vocals; het against 4805 (Shaw 10/9).
- 4807 DOM. REP. R. Norte. 0910-0920 ID, LA mx; QRM de unknown stn (Earhart, Jones).
- 4810 GALAPAGOS IS. VG. 0420-0455\* Ec pops, prayer, s/off ancts, long anth (Whitehead). \*1212 just popped on, no s/on NA or anything; 1214 W ID, light mx; 242 (Laves).
- 4810 SO. AFRICA. Springbok R. 0355-0445, 2115-2200\* EE/Afiks, usual pgms (9 reporters).
- 4810 VENEZUELA. R. Pop. 2310-0015 Latin group vocals, enthusiastic IDs (Brooks, Yajko).
- 4814 CHINA. RP. \*1000 (new time) RR // 5145 (Cosier). 1200 Mongo (list) nx (Shaw 9/17).
- 4815 (T) BRAZIL. Rdif Parana. 2345 seemed ID included "Parana"; G (Field 10/3). (Laves).
- 4815 PERU. R. Samarén. SS talk to 0450\* with anthem (Alleman).
- 4816 UPPER VOLTA. RTVV. 2115-2400\* FF, Af vocals, vernac (5 reporters). 0628 FF, Af mx
- 4820 ECUADOR. R. Paz y Bien. \*0923 Andean flute, guitar mx, then 0926 NA! 0950 ad, 1000 full ID; 1030 birthday greetings, IDs, mx, cmtry. IDs as "Rdif Paz y Bien" and "Emisora PyB" (Mohrmann, Laves, Schwartz). # Ambato not in Galapagos Is.! (BH).
- 4820 GAMBIA. RG. \*0624-0710 cora IS, EE ID, vernac, chants; 0700 BBC nx (3 reporters).
- 4820 HONDURAS. V. Evangélica. 0145-0503\*, \*1030-1209; EE relig (11 reporters).
- 4820 VENEZUELA. R. Tricolor. 2305-0348, 1015-1030 IDs, nx, LA mx, TCs; QRM (4 reporters).
- 4820 UNID. "R. Satélite." Noted 0520 on 9/23 after HRVC\*; LA pops, cuckoo-clock sound-effects, many IDs, TCs, sports promos till abrupt 0538\*. Also 0500 on 10/6, same format till 0510\*, again abrupt. WRTH lists "R. Satélite" on MW for both Honduras and Guatemala; TCs suggest Central America QTH. This one noted in past by Hood and Behr. Good sig but irregular (Roberts).
- 4825 ASIATIC RSFSR. Vladivostok. 1215 CC talks; good (Lineback 9/27).
- 4825 GUATEMALA. R. Mam. 0135 "El Mundo en Marcha" nx atop Brazilian; another day w/ wild native mx then (Whitehead, Szot). 1030 relig pgm, old Protestant standards such as "Old Rugged Cross" (Field). # Marlin, I assume your freq quote of 4810 was just a slip of the Bic? (BH). 2241 Indian lang talks, ID; 242 (Laves).
- 4825 PERU. V. Selva. 0510 Peru pops, peticiones read by W; good (Whitehead).
- 4825 TANZANIA. RT. 0400-0410 Swahili nx, then talks to 0415 ID (Alleman).



- 4826 ECUADOR. R. Luz y Vida. 0425-0435 ID, clas guitar, 0435\* (McNeil, Agner, Coursey). 1015 US pops ("Tie a Yellow Ribbon," etc.); 444 (Jones).
- 4831 CHINA. Liaoning PBS. 1210 CC W mx/cmtry type thing; F-G (Szot 10/5).
- 4831 THAILAND. RT. 1125 HS in TT // 6070/7115; has resumed daily sked after being irreg for some time (Willis). 1540 TT, bells, chants // 6070; nice (Shaw 10/3).
- 4832 COSTA RICA. R. Capital. 0300 soccer cmntry (Brooks). # Was off for a while (KMS).
- 4835 GUATEMALA. R. Tezulutlan. 0212-0225 SS ID, relig mx, marimbas; poor (Mayer 9/25).
- 4835 SARAWAK. RMS. 1115 M hosting Malay/EE pops; squeal de TIHB/4832 (Shaw 9/14).
- 4835 SO. AFRICA. SABO. EE Svc here x-4945. 0408-0430 (4 reporters). 1600 EE nx (Cosier).
- 4835 SRI LANKA. SLBC All Asia Svc. 1600 BBC nx, 1610 ID. New freq (Cosier).
- 4840 CHINA. PLA. 1130 mx, CC ID, EIR, more CC by W; G (Lineback, Jones).
- 4840 UNID. 0945-0950 CC singing; may have been Harbin or PLA. Also another unID 4841.7 at 0955; operatic W but seemed Western flavor rather than CC (Shaw). # Harbin off 0615 so 4840 surely PLA, which runs 2000\*. 4841.7 a Latin, perhaps? (BH).
- 4840 VENEZUELA. R. Valera. 0015 SS ads by M&W, LA mx; 232 (Miller).
- 4843 CONGO REP. RTVC, Pte. Noire. 0603 FF, light Af mx; 131 (Laves 10/9).
- 4844+ (T) BONURAS. R. San Ysidro. 0100 LA pops, SS ancts; not vy good mod quality and also bad het de 4845; F sig (Szot 9/22).
- 4845 BOTSWANA. RB. 0405-0420 EE/Setswana, Af mx, pops, C&W mx; P-G (Roberts, Price).
- 4845 COLOMBIA. R. Bucaramanga. 2300 LA mx, ID (Perdue).
- 4845 (T) MALAYSIA. RRI. 1125-1135 EE/Lang lessons & vocals of C&W type; F (Lineback 9/30).
- 4845 (T) MALUKU. RRI, Ambon. 1135-1200 Indo(?); vocals, applause; no break 1200 (L'back).
- 4850 DOM. REP. R. Clarin. 0117-0213 SS ballads, ID (Brooks, Miller).
- 4850 MAURITANIA. RNM. 0704-0745 AA ID, talk, instr mx; also 2144-2303\* FF (12 reporters).
- 4850 UZBEK SSR. Tashkent. \*0000 UU/RR "good mornings," IDs; into RR (Sampath via UADX).
- 4850 VENEZUELA. R. Capital. 0353-0600\* w/ ment of "Himno Nac." (Laves, Sparks, McCoy).
- 4853 MAURITIUS. MRC. 1430 EE; before that, Indian langs; het RRI/4855 & USSR/4850. MW // 683 is always easier! (Cosier). #
- 4855 BRAZIL. RC do Para. 0020-0050 futebol (Ecuador vs. Peru); full ID (Agner, Perdue). 0910 PP ancts, TC, bird whistles; thought I hrd Taubaté ment (Mohrman 9/20). # Para now here x-4865; Taubaté has moved to 4925 (BH).
- 4855 MOZAMBIQUE. RM. Lourenço Marques, or whatever it's called this week, with "A" Pgm 0405, PP ID by W, then bouncy PP-style mx (Alleman 9/30).
- 4855 SUMATRA. RRI, Palembang. 1545 local cmntry in Indo, much ment of Palembang (Shaw).
- 4860 ASIATIC RFSFR. Site unk. 1240 Asian mx, lang talk; P (Shingler 10/8). # Chita? (BH).
- 4860 PERU. R. Chinchaycocha. 0410-0500\* Andean mx, many IDs (Price, Alleman, Sparks).
- 4860 VENEZUELA. R. Maracaibo. 0940-0950 ads, ballads w/ trumpets, xylophonea (Earhart).
- 4865 AZORES. ERA. 2308-2315 PP ID, local & piano mx; F (Mayer 9/13). # This one almost impossible WCNA because Brazil fades in lst, unlike ECNA. Super catch here (BH).
- 4865 BRAZIL. R. Bahia. 0110-0130+ jingles, ancts, finally ID; vy difficult copy! (P'due).
- 4865 BRUNET. RB. 0955 Malay pgm; G. Listed \*1100 both WRTH & TBS (Cosier). # Same here, always noticed after 0930 and I suspect that's s/on time (BH).
- 4865 COLOMBIA. V. Cinaruco. 2300-0123 LA mx, IDs (Agner, Perdue, Jones).
- 4870 DAHOMY. V. Rev. \*0511 IS, 0513 NA, FF ID, vernac talk, kora mx, drums and whatnot past 0600; big carrier but vy low mod (as is typical of FF-spkg Afs) (4 reporters). 2145-2257\* FF talk, native vocals, loud cheers; also vernac yak (5 reporters).
- 4870 ECUADOR. R. Rio Amazonas. 0010-0122\* kids' chorus of hymns, flute interlude, talk in Indian. S/off varies 0114-0122 (Perdue, Tuchscherer, Hill).
- 4870 VENEZUELA. R. Tropical. 0130-0502\* usual junk plus IDs as "La Pantera" and "R. RAI" (Tuchscherer, McCoy, Laves, Perdue).
- 4871 IRIAN JAYA. RRI, Sorong. 0930 nx; 1130 ID, Is. mx (Shaw, Alleman C/H 164, Shingler).
- 4875 BOLIVIA. Cruz del Sur. 0224-0234\* SS nx, SS/EE IDs, offered QSLs for rpts (Ball).
- 4875 SO. AFRICA. SABO. 0400 Afkns ID, mx (Schwartz). 1550 piano, 1600 pips/ID (Cosier).
- 4880 VENEZUELA. R. Universo. 0217 chimes, ads, lt mx, ID (Ball). 1027 LA mx (Jones).
- 4882 DOM. REP. R. Comercial. 0235 SS talks, mx, nx, IDs; excellent (Fields).
- 4885 BRAZIL. R. Acreana. 2342 PP bulletins, ID; soon covered by Ondas del Meta (Tuchscherer 10/8). # Another great LA catch, John -- this one has been here right along but practically never reported (BH).
- 4885 COLOMBIA. Ondas del Meta. 0355-0430 songs, jingles, IDs (Thompson, Mohrman, Wat-son).
- 4885 SUMATRA. RRI, Bukittinggi. 1435 Indo talks, Koran chants; 1600 Jakarta nx (Shaw).
- # The other freq listed for this one, 2322, is inactive (BH).
- 4890 PAPUA. NBC, PM. Independence ceremonies 9/15: from 1355 speech on independence, 13-58 Btg Ben full strike for midnight (prerecorded); 1359\* anthem, 1401 one stanza of GSTQ, short msg from dignity, then another GSTQ stanza and into seemingly on-the-spot coverage of festivities (Hauser 9/15). # Nice bit of history -- and congrats to you, GH, for being Glenn-On-The-Spot! Wonder how many others also planned ahead for this one (BH). 0820-1350 talk of indep, cmntry, nx, songs (6 reporters).
- 4890 SENEGAL. RS. A non-report: where is RS? Not hrd 4890 or 7210 or 11895 (Hill).
- 4890 VENEZUELA. Rdif Ven. \*0956 NA, ID, names of staff & their jobs (Jones).
- 4895 CHINA. Nei Mengku PBS. 1235-1245 CC; F under ute (Shingler 10/6, Coursey).
- 4896 MOZAMBIQUE. RM, Beira. \*0400 choral ID, 3 chimes, weird violin-like mx (McNeil, Rob-erts).
- 4900 BURUNDI. R. CORDAC. 0424-0435 hymns, choir, M&W talk; P (Schwarz).
- 4900 SULAWESI. RRI, Gorontalo. 1240-1600\* many IDs (Shaw, Shingler).
- 4904+ CHAD. RNT. 2140-2300\* Af mx, FF/vernac (runs till 2300\* Sat. only) (Price, Line-back, Laves). # Virtually impossible here any time w/ huge 4905 Dixon ute (BH).

- 4905 **BRAZIL**. R. Relógio Fed. 2315 two M in animated discussion; pips each minute. 2355 ID, ads; 2400 one-minute-long tone, ID, mx; fair (Whitehead).
- 4907 **CAMBODIA**. Phnom Penh. 1302 Khmer mx; 1st time hrd thru local ute on 4905½ (Sztot). 1400-1445 fade, long mx selections, occasional mentions of Kampuchea (Wilson).
- 4910 **GUINEA**. V. Rev. After 0400 most nights, FF talks, Af mx; bad ute QRM (Alleman).
- 4910 **VENEZUELA**. R. Carora. \*1025 NA, IDs, ads, some mx; poor with fades (McNeil).
- 4910 **UNID**. 0517-0535 AA chants. Zambia? (Schwartz). # At that hour, likely Guinea (BH).
- 4911 **ECUADOR**. Em. Gran Colombia. 0328 basketball game between "Emeraldas" and another team; sev mentions of TODELAR and RCN -- both Colombian networks! (Sztot 10/19).
- 4911 **ZAMBIA**. RZ. 0405-0515 vernac, local mx, ID; 0500 EE/vernac nx: mentions of Zambia, Portugal, Idi Amin's visit to NY (Mayer, Shaw, Schwartz). 1600 vernac (Coeier).
- 4911 **UNID**. 0215-0235+ W chanting w/ stringed instr, slow melodic guitar instr, more chants. Sounded more Af than LA (Perdue).
- 4915 **CHINA**. Kwangsi PBS, Nanning. 1235 CC singing (Laves). 1500 relay Peking 1 (Willis).
- 4915 **COLOMBIA**. R. Guatapurí. 0115-0458\* LA mx, sev IDs, sports (game between Colombia & Brazil) // Ondas del Meta (Perdue, McNeil, Laves, Dunn).
- 4915 **GHANA**. CBCI. 0555-0615 Af mx, EE nx, IDs; 2120-2300 vernac, local mx (9 reporters).
- 4920 **AUSTRALIA**. ABC, Brisbane. 0440-0450 ABC IDs, DJ show w/ Top-40 mx; vy early, as is usually not audible till after 0800 (Alleman 9/9, 9/22). 0840 EE nx (Hohnstein). 1200 EE, didn't catch an ID; poor/fluttery (Mohrman).
- 4920 **HONDURAS**. R. Progreso. 0152 two M alternating jabber about a listener's letter and asking for more. Bad het (Sztot). 0504\* ID & NA (Hywarren). 0930-0955 Latin mx, SS chatter, repeatedly ID "R. Alegre" between records; finally hrd "Progreso" (Hohn.).
- 4920 **KALIMANTAN**. RRI, Palangka Raya. 1452 Indo talks, 1500 Jak nx. Equal AIR (Willis).
- 4920 **UKRAINIAN SSR**. Kiev. 2017-2028V\* RR-type lang (UU?); no NA or IS at s/off (McNeil).
- 4923 **ECUADOR**. R. Quito. 0132-0340 instrs, bank ads, IDs (Hobbs, Ball, Cranton).
- 4924 **MANCHURIA**. Heilungkiang PBS. 1015-1230+ CC opera, kids' chorus (Laves, Shaw).
- 4926V **RIO MUNI**. Bata. 0347 already on w/ native mx, though sked \*0430; was on 4925½ at first, then gradually drifted up to 4926 (Hill 9/29). 0440-0552 SS talks, weird Af mx (Shaw, Price, Laves). 2216 local mx, SS ID; 2218\* NA. Poor (Mayer 9/26).
- 4927½ **SUMATRA**. RRI, Jambi. 1305-1600 Indo talk, pops, AA mx, Jak nx relay (Sztot, Shaw).
- 4930 **DOM. REP.** R. Mil. 0258-0344 vocals, varied mx (Thompson). 2100-2300A same (McNeil).
- 4930 **ECUADOR**. R. Casa de la Cultura. 0412\* chimes, SS anct; G (McCooy).
- 4930 **UNID**. "Radiodifusora ..." 0045-0115+ LA/cias mx, M&W talk, pos ment Venezuela; had poor mod and not in clear till 0100 (Perdue). # Presumably one of the two above.
- 4932 **JAVA**. RRI, Surakarta. 1240 W talk, organ version of "El Condor Pasa"; 1359 long pause, W anct, Love Ambon, nx (Coursey, Laves). 1600 Jakarta nx relay (Shaw).
- 4939 **ECUADOR**. Rdif Nac. 0030-0401\* IDs, "Serenata Andina," nx; usually over, under or xing with R. Yaracuy (Perdue, Whitehead, Laves, Jones, Trautschold, Wilson).
- 4940 **IVORY COAST**. RTVI. \*0600-0615 NA, FF ID, freq list, brief nx, march mx, Af songs (Wegener, Laves). 2150-2302 chants, FF nx, local mx (Schwartz, Lineback, Moritz).
- 4940 **VENEZUELA**. R. Yaracuy. 0100-0400\* QTH, freqs, goodnight, NA (Ball, Coursey). 1000 ID, "Música de Venezuela" (Field).
- 4945 **COLOMBIA**. R. Colosal. 0058 three notes, ID (Agner). 1040-1100 fade (Leffler).
- 4950 **SARAWAK**. RMS. 1235 lang talk, Asian mx (Coursey). 1355-1430 EE, nx, mx (Pitts).
- 4951 **CHINA**. Nei Mengku PBS, Silinghot. 1400 CC xing time stn & RMS; no Mongolia (Willis).
- 4955 **COLOMBIA**. R. Nac. 2330-0240 SS, some EE; pops, ads, IDs (Askine, Agner, Talbot).
- 4955 **S. AFRICA**. R. RSA. 2115 EE, "Af. Panorama"; P. Is NE (McNeil 10/10).
- 4955 **SUMATRA**. RRI, Banda Aceh. 1420 AA chants, 1430 ID, 1600 Jakarta nx relay (Shaw).
- 4960 **VENEZUELA**. R. Sucre. 0130-0223 pops, farmacia ad, TCs; R. Fed under (W'head, Jones).
- 4962 **ANGOLA**. Both Lobito & Malanje reported here. 2228-2310+ PP, local mx; P (Mayer).
- 4962 **OMAN**. Muscat. Another new country on the air! 1510 EE IDs, address, EE pops, then AA IDs and AA mx. Fair level; 4965 ute QRM. Hrd since 9/7 (Coeier). # Also active on 11890, but not a peep out of either freq ure here yet (BH).
- 4965 **BRAZIL**. R. Poti. 0110-0134 futebol game, ID; het de Santa Fé (Tuchscherer).
- 4965 **COLOMBIA**. R. Santa Fé. 0012 noticias, telephone #s, ID (Agner).
- 4968 **(T) SRI LANKA**. SLBC. 1416 faint mx; bad QRM de 4970 (Sztot 10/5). Watters).
- 4970 **VENEZUELA**. R. Rumbos. 0122-0231 beautiful mx -- FB nighttime pgmning (Trautschold).
- 4972 **CAMEROON**. R. Yaoundé. 0537-0555 EE relig pgm, hymns (Price C/H 116). 2150-2300\* W anct in lang, pop/Af mx, sev IDs; best ever till 2245 Rumbos FI (Perdue).
- 4980 **GHANA**. GBC2. 0604-0612 EE nx by M with wretched accent, extremely hard to comprehend (Moritz). 2230-2240 seemingly recorded relig pgm in EE; 443 (Earhart).
- 4980 **SWAZILAND**. SMR. 0547 EE DJ show, IDs; 333 (Laves). 1520 EE; nice fat stig (Willis).
- 4980 **VENEZUELA**. Ecos del Torbes. 0200-0244 ID, TC, ads, LA mx (Hywarren, Trautschold).
- 4980 **UNID**. That ol' Burmese-type UFO still here; 1328 W in BB or similar, 1329 march, 1330\*. Poor as always (Sztot 10/19).
- 4985 **BRAZIL**. R. Brasil Central. 0115-0830 PP, ads, instrs; G-VG (6 reporters).
- 4985 **COLOMBIA**. UNID. 1020 many refs to Florencia and Caquetá (Field 10/8).
- 4985 **MALAYSIA**. RM. (T) 1120 EE(?), local songs; always het w/ Indo (McNeil). 1300 EE ID by W, Mor mx, interview w/ govt. official (Wilson).
- 4990 **VENEZUELA**. R. Barquisimeto. 0112-0252 ID, nice mx (Watters, Trautschold).
- 4995 **COLOMBIA**. Ondas del Ortegaza. New SW outlet of MW 1410 hrd 0945-1000 fade on 8/8 (Morales via SCDX). # Anybody in North America pull this one in yet? (BH).
- 4995 **NO. VIET NAM**. VOV. 1234-1235 SC-type mx, M in lang, then W; poor (Shingler 10/8).
- 4996 **PERU**. R. Andina. 0417 Andean mx, SS talks, ads, IDs (Price).

- 5000 CHINA. PLA. 1205 CC nx // 1340/3000/4330/4380/5900. Is NF (Tyson via NU). # Will be interesting to see if it can ever be hrd here through MWV/MWVH/JJY! (BH).
- 5005 PERU. R. Jaén. 0535 SS talk, good mod (Shaw). 1020-1030 Andean mx; poor (Shingler).
- 5005 SARAWAK. RMS, Sibú. 1125 nx(?) in Iban; poor with fades (McNeil 9/28). 1er.
- 5007 BOLIVIA. R. Universo. From 1000, sev IDs in mx pgm (Field). (T) 1020, no ID (Mil-)
- 5007 NEPAL. RN. 2125 EE nx, 2132 local nx. Either new sked or extended sked (Tyson via NU). # Odd time for them to be on! Might make it to ECNA at that hour (BH).
- 5010 CAMEROONS. R. Garoua. This is the stn I reported as "5070" in last month's LR-A (Leffler). 0505-0520 Islamic chant, FF ID by W; ute QRM (Roberts, McCoy). 2135-2301\* FF talk, Af mx, drums at s/off; poor (McNeil, Laves 10/77).
- 5010 PERU. R. Eco. 0302-0423 IDs, TCs, LA mx; QRM. 1100 clear (Field, Tuchscherer).
- 5010 SINGAPORE. RS. 1135 EE(?) talk by M&W, instrumental songs; VP (McNeil). (Coursey).
- 5015 ASIATIC RSFSR. Vladivostok. (T) 1115 RR; 222 (Schwartz). 1254 RR // 6035/6080; F-P
- 5015 EUROPEAN RSFSR. Arkhangelsk. 0400-0500 Mayak pgm; S8-9 w/ polar fade (Davis).
- 5016 BRAZIL. R. Pioneira de Teresina. 0130 "Discoteca do Povo" pgm of pop Brazilian mx, incl some US hits, ads, jingle IDs. X-4885, not 4880 as in Aug. LN (Whitehead).
- 5016 (T) RHODESIA. RBC. 0419-0425 apparent EE anc, Muzak, buried in mush (Alleman).
- 5020 NIGER. ORTN. 0534-0600 chants to Af mx, flute & strings, vernac & FF ancts (Laves, Anderson, Sparks, Earhart, Roberts). 2115 soul songs, FF ancts; G (McNeil).
- 5020 SOLOMON IS. SIIBS. 0922-1132\* EE, pops, IDs, BBC & ABC nx relays, light mx; GSTQ at s/off, which used to be 1116 or so (9 reporters).
- 5020 UNID. 0620 OC till \*0630 lang(?); mod too low to tell. Hrd some EE and LA-sounding mx. Hvy RTTY (Fields 9/30, 10/2). # SIIBS \*0630 but almost inaudible here that early. Perhaps you had Niger just before fade? (BH).
- 5025 PERU. R. Quillabamba. 0405-0522\* SS MoR romantic mx, also clas mx; NA at s/off (Coursey, Shaw). 1028-1045 ID, Andean-style mx, SS chatter (Laves, Zilmer).
- 5026 BRAZIL. R. Rdif Aquidauana. 0440-0450 PP, ballads, ads; some YV/5030 QRM (Earhart).
- 5026 ECUADOR. R. Splendit. 0455-0511\* LA mx, SS noticias, IDs, NA\* (Tuchscherer).
- 5030 VENEZUELA. R. Continente. 0415 ID (Ball). 0900-0930 SS, local mx (Iohnstein)
- 5033A ANGOLA. V. Cabinda. 2255-2259\* off; OM in unID lang. Poor (Abraham). # Certainly not much to base an ID upon -- suggest highly tentative! (BH).
- 5035 CENTRAL AFRICAN REP. RNC. Now back on the air, and on nominal freq instead of 5038, after being off for quite some time. 0600 FF, many IDs, mx (Ewing 10/4). 2140 Af mx, FF ancs; poor in het (McNeil).
- 5035 (T) KAZAKH SSR. Alma-Ata. 1120A fade-in, RR talk, clas mx, M&W talk (Shingler 9/27).
- 5039 BURMA. BBS. 1120 VV-type mx w/ vocal ululation & wood percussion; 1130 tentative ID (Schwartz). 1245 two M talking in lang; 232 (Laves). 1502 EE nx, ID, pgm summary, all by W anc. Poor (Wilson 9/12).
- 5040 PERU. R. Libertad de Junfn. 0458-0615, 1030 LA & Andean mx, IDs as "R. Libertad" (Laves, Alleman, Ewing, Zilmer).
- 5041 GUINEA-BISSAU. RB. \*0556-0650 drum IS, anth, PP ID, patriotic shouting & harangue, ment of PAIGC, into group singing (6 reporters). 2300-0003\* Af mx, jazz-type; W ID and NA at s/off (Laves, Gavaras, Davis, Miller, Ewing, Moritz).
- 5046 JAVA. RRI, Yogyakarta. 1125-1145 EE nx to 1144, then Indo (Lineback, McNeil).
- 5047 TOGO. R. Rdif T. \*0515 OC, 0525 mbira IS, choral anth, FF ID & talk (Wegener, Watson, Ewing, Schwartz). 2150-2300\* political talks, ballads, Af mx, FF nx (8 reporters).
- 5049 VENEZUELA. R. Mundial. 2325-0600 LA mx, ads, IDs (Miller, Yajko, McCoy, Sparks).
- 5052 (T) SINGAPORE. RS. 1135-1145 fade, mx, talks in (?) by M&W (Lineback 9/29).
- 5055 BRAZIL. R. Educ. Sobral (1sted). 2245 PP talk, 2300 time-beep, talk on politics by M&W; weak, no chance for ID. Victoria supposedly QSY and this listed TBS (McNeil).
- 5057 ALBANIA. RTA. 0400-0440 Alb talks, exercise pgm, folk mx; xing w/ unID Latin. Hrd as early as 0330 (Alleman, Mayer).
- 5060 ANGOLA. RC do Huambo. 0503-0535 bird-chirp IS, into political rally or something similar; ID (Price 9/21).
- 5075 COLOMBIA. R. Sutatenza. 0231-0300 SS, good mx, ID // 5095 (Trautschold, Hywarren). 1000 mx requests for campesinos having birthdays; loud and clear (Leffler).
- 5095 COLOMBIA. R. Sutatenza. 0322 fast SS talk, IDs (Fields). 2340-2350 SS, mx (C. Smith).
- 5170 CHINA. PLA. 1015 CC talks by M (Trubee).
- 5240 CHINA. RP. \*1000 martial mx, CC ancts by M (Trubee).
- 5250 CHINA. RP. 0950 KK nx by M, 1000 ID (Trubee).
- 5265 CHINA. PLA. 1030 CC mx, W ancts (Trubee). # Not a regional, just PLA (BH).
- 5290 ASIATIC RSFSR. Krasnoyarsk. 1300 RR pgm; G (Willis).
- 5320 CHINA. RP. 0955 CC mx, ancts by M (Trubee).

A nice turnout this month and some high-quality reporting, with lots of s/on and s/off information. Now our usual tiresome reminders for the benefit of new members: please observe our deadline of the 15th; print neatly and legibly, if you must print (we much prefer typewritten reports whenever possible); use only one side of the paper; put your last name at the end of each item; give program detail and reception quality. NASWA report forms are available from Mac Leonhardt at Hq. for an SASE. And, as always, we ask that you report only your best DX.

73 and good DX!

*Bob*

# Log

# Report



## Section B

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

- 5900 CHINA PLA; \*1000 HS in CC, 1117-1137 M & W tllking, orch mx. (M. Smith, Davis)  
5910 USSR Krasnoyarsk; \*1030 HS in RR, pgm 1B (Siberia version). P to F. (Davis)  
5945 UNID. 0550 IS which sounded like forest animals ( crickets, birds, etc.), gone by 0610. P to F. (Fields) Date?  
5950 PERU R. Arequipa; 0108-0131 SS, pgm of light mx. (Tuchscherer 9/19)  
5950 COSTA RICA GBS; 2330-0252\* EE, music, news and a rel speech. (M. Smith 10/10, Zilmer)  
5954 COSTA RICA R. Casino; 0537-0600\* EE, 40's mx, ads, ID as "TIQ". (McCoy 9/25)  
5955 COLOMBIA Vos de Bogota; 0051-0137 SS, gongs, orch mx, drama. (M. Smith 9/27)  
5960mf SAUDI ARABIA BSKSA; AA svc now heard 2100-2130, ex 6130. (Padula 9/11, Cosier )  
5965 BRAZIL R. Guaiaba; 0925-0930 PP, light instru mx, ID, TC. (Laves 9/22)  
5965mf NORWAY RN; \*0700 Norwegian to Europe, ex 6180. Via LP. (Padula)  
5965 SPAIN RNE; 0150-0230 SS with ID of "Radiotelevisione Espanola" as well as "Radio Nacional Espana". (M. Smith)  
5965 DODECANESE IS. VOA Rhodes; \*0400-0405 AA, IS barely audible between CBC NS and HCJB. (Moritz)  
5970 ECUADOR HCJB; 0230-0305 EE, DX Party Line // 9560,11915. (Conover, Thompson)  
5975 ENGLAND BBC Ramphisham or Skelton; 1520 via LP with WS dual 9/10. According to WRTH doesn't open up here till 1600. (Hill 10/8)  
5979mf COLOMBIA R. Nacional; 0330-0458\* SS, orch mx, nx at 0430, anthem at s/off at 0458. Laves 9/11)  
Some QRM and // 4955. (Behr)  
5980 PERU R. Panamericana; 0520-0528 SS, mx, very clear ID's, M with tlks. (Watson 9/18)  
5980 SOUTH AFRICA RSA; \*0400-0427\* EE, mx and tlks, // 7270, 9525. (Conover 9/19)  
5980 MEXICO R. Mexico; 0000-0230 SS, ID, IS, tlk and mx, // 9705, 15385. (Behr, Zilmer)  
5985 GREECE VOA Kavala; \*0158-0204 Urdu, IS, ID and into pgm to SEA. (Moritz)  
5990M ROMANIA R. Bucharest; 2215-2220 GG, disc of academic activities. (Schwartz 9/23)  
0110 EE, tlks, folk mx. (Mohrwm 10/2)  
5990 COLOMBIA La Voz de los Centauros; 1033-1045 SS, many ID's, ads, fiesta type mx. (Zilmer 10/2, Moritz 10/5) 0355-0430 SS mx. (Lausevich 9/11)  
5995 AUSTRALIA R. Australia; 0800-1050 EE, Top Forty pgm, sports mx. (Talbot, Earhart)  
5995 MALI R. Mali; 2147-2205 vernacular, several people tllking, no music and no ID.  
6000mf PORTUGAL DW Sines; 2130-2200 Bulgarian, 2200 Serbo-Croat. (Padula) / (Earhart)  
6000 BRAZIL R. Inconfidenciis; 2258-0028 PP, tlks by M, ID's, cl mx and soccer match. (Miller 9/16, Jones 9/30, Tuchscherer)  
6005 AUSTRALIA R. Australia; 1012-1250 EE, mx and pop mx pgm. (Jones 9/30, Tuchscherer)  
6006 COSTA RICA R. Reloj; 0516-0700 SS, mx and ID's, asking for reports in EE. (Fields, Cranton 9/28) 1039-1048 SS, fiesta mx, ID's, TC's. (Moritz)  
6010 ITALY RAI; 2250 Ital, ID twice, pgm "Invito al Classico". (Miller 9/16) \*0100 to 0120\* EE, mx and cntry. Into FF at 0120. (Schipelliti 10/6)  
6010 UNID. LA station at 0750-0815, vy weak: NOT R. America or R. Los Andes. Quiet SS, reg LA songs, ID as "Radio..." (Cosier)  
6010 W. GERMANY DW; \*0130-0150\* EE, mx, tlks about German elementary schools. Over RAI FF pgm. (Schipelliti 10/6)  
6010 USSR Location unknown; Around 1540, art-songs, sonatas and the like; quite strong but very fluttery; not parallel to the various 49-meter Siberians. 1550 balalaika selections, 1600 pips and Moscow TC for "19 chasov". Kiev and Sverdlovsk listed -- my guess is Kiev because (1) Sverdlovsk would be fairly reg, and I have never hrd this one before; and (2) a number of Euro were coming in LP, which is an infrequent occurrence. (Hill 10/8)

- 6015 BRAZIL R. Clube de Pernambuco; 0123-0155 PF, variety of mx, tlk. (Tuchscherer) 0F25-0F50 PF, tons of ads, slogans, little mx. (Cosier)
- 6025 PARAGUAY R. Nacional; \*0900-1015 SS, mx, typical mx, ID. (M. Smith 10/6, Agner(T) Gaffin 9/8)
- 6025 NIGERIA NBC Emigu; 2258-2305\* EE, mx pgn, ID, rx at 2300 and s/off with anthem. (Gavaras 10/7, Laves 9/13)
- 6025 PORTUGAL R. Portugal; 0252-0300\* EE, Spanish music, ID. (Schipelliti 10/5)
- 6025 ITALY RAI; 0129-0200\* Ital, IS of bells, mx. (Conover 9/18)
- 6030 UGANDA Uganda BC Corp; 1525 tune, Afr singing (M & chorus), rapid drums; 1528 "You have been listening to the (English?) Service of Uganda (unreadable)... We now come to the end of this service (unreadable)... P.O. Box 2038, Kampala, Uganda..." At 1530 seemed to go into PF, but that's only a guess. Bad QRM from USSR and (probably) Philippines on freq, plus splatter from USR/FE on 6035. New 250 KW xmt. LP reception here. (Hill 10/10) Very nice catch, Rob. KCC.
- 6035 USSR Khabarovsk; 1239-1254 RR, W & M anncr, 19th Glenn Miller mx, followed by "Auld Lang Syne". Also theme from "Godfather". // 6080, 5015. What's going on in Siberia these days??? (Jones 10/4, Coursey 10/12)
- 6035 SWEDEN R. Sweden; 0246 FF, cmntry by W & M. (Miller 9/25)
- 6035 BOLIVIA R. Panamericana; 0450-0458 SS, mx, ID and off at 0459. (McCoy, Guarducci)
- 6040 U.A.E. R. Dubai; 1410 AA over BCC jamming, ID at 1415 as "Huna Dubai". (Cosier)
- 6040 E. GERMANY RRI; 0000 SS, tlk and mx to Argentina. (Zilmer 9/30)
- 6045 SWITZERLAND SBC; 0440 EE, tlk abt developing countries. (Ravenhorst 10/4) 0510 Ital, mx, tlk about Spanish politics. (Guarducci) 0530 GO to WNA. (Padula 9/21)
- 60.5 BRAZIL R. Clube Paranaense; 0442 PP, ID, Brazilian pops. (Laves 9/21) (T) 0640 PF or SS ads, very low lvl. Same night as other Brazilians. (Cosier)
- 6045 LIBERIA VOA Monrovia; 2130 EE, ID and freq, the forum pgn. (Coursey)
- 6049.5 (T) NIGERIA WNSI Ibadan; 0432 with rhythmic African-flavor instrumentals segued to 0500, when tlk was hrd. Poor copy through 6050 het, line noise, etc. (Hill 10/2)
- 6050t YEMEN ARAB REP. R. Sanaa; 2206-2214 AA, mx and tlk by M. (Shindler) They are supposed to have left this freq, KCC.
- 6050 ECUADOR HCJB; 1100 SS, rel mx and nx. (Leffler)
- 6055t BRAZIL R. Panamericana; Possible s/on anncmnts at 0900, then much promo material with echoes. (Cosier)
- 6055 SPAIN RNE; 0205 EE, mx and mx. (Conover 9/18)
- 6060 ARGENTINA RAE; 0550-0835 SS, tlk, tempo mx, ID, mx. (Guarducci, Gaffin 10/1)
- 6060 SARAWAK RMS Sibn; 1215-1415 local lang(s), variety of mx: some weird native stuff, some vocals and chorals; all dual 5005 (Sibn) and 4895 (Kuching). Is listed 6050 in WRTH -- but, in the immortal words of NABWA's LN editor, "Don't You Believe It!" (Hill 10/5)
- 6065 SPAIN RNE; 0100-0110 EE, mx, rpt on western Sahara, ID. (Schwartz 9/24) 0300-0345 EE, SS mx pgn, ID. (Hoffman 9/19)
- 6065nf ECUADOR HCJB; 1005-1018 SS, rel tlk, organ number, and more tlk. (Earhart 9/14)
- 6065nf W. GERMANY DW; 1945-2000 Greek, ex 6170. (Padula 9/17)
- 6070 THAILAND R. Thailand; 1340 Thai, Reactivated HS pgn // 7114, 4831. (Willis)
- 6070 VENEZUELA R. San Sebastian; 0100-0120 SS, ID's, ads, mx. (Noonan 10/9, McCoy)
- 6070 VENEZUELA SS, mx, ads for dept store sale. (Gaffin 9/26)
- 6070 BULGARIA R. Sofia; \*2130-2135 EE, IS, ID, rx by W. // 9700. (Moritz)
- 6072 SWAZILAND TWR; 1540-1600\* PF, via LP. F-G. (Hill 10/6)
- 6080 BELGIUM RTB; 2325-0057 EE, IS of xylophone notes at 2325 to s/on 2330. Then pop mx pgn, tlk about airports. (Cress 10/5, Dunn 10/3)
- 6080 NEW ZEALAND RNZ; 0827-0845\* EE, mx, ID at 0838. (Mohrmann 9/20)
- 6080nf FRANCE RFI; 0730 FF. Unlisted in latest sched. (Willis)
- 6080 USSR Komsomolsk (list); 1254 RR, same pgn as Khabarovsk on 6035. P. (Coursey)
- 6085 INDIA AIR; 1302-1315 SC mx, M in lang. (Shindler 10/9)
- 6085nf SPAIN RNE; SS to LA now noted to s/off 0500. Ex 5965; Madrid making numerous changes recently, hard to keep up with! (Padula 9/23)
- 6090 NIGERIA RTV Kaduna; 2300-2312\* Hausa, W entering to 2310, tlk and off with NA at 2312. (Hobbs 10/9, Wegener 10/4) 0159-0540 ER/Hausa, US pops, ads, ER ID's, and lx at 0530. (Gaffin 9/27, Laves 10/11)
- 6090 LUXEMBOURG R. Luxembourg; 0015-0059 EE, Top forty rock, ID's. (Schwartz, Dunn, /Mohrmann)
- 6090 AUSTRALIA ABC Sydney; 0927-1208 EE, tlks and mx. (Earhart, Yajko) /Mohrmann)
- 6095 COLOMBIA LV del Centro; 0624-0633 SS, LA pops, ads for "Refrescante Bretana" and "Lux Cola"; ID at 0633, "En su radio, La Voz de Centro, emisora RCN la radio de Colombia". (Mohrmann 9/15)
- 6095 SPANISH SAHARA R. Sahara; 2211-2215 chants by M, but very poor due to QRM from a couple of unid. stations. (Moritz) Lang? Sure about this John? They are supposed to s/off at 2200. How about Iraq? KCC. /Mohrmann)
- 6100 VENEZUELA Observatorio Cagipal; 0555-0602 with pips, SS anms. (Ravenhorst, Jones)
- 6100t USSR site unknown; 1050 CC, RR mx, W anncr talking in Chinese-like lang. (Jones)
- 6105 NEW ZEALAND RNZ; 0600-0840\* EE, mx pgn, sports mx, pgn notes for following day and freq & times at closing. (Ravenhorst, Yajko, Gaffin, Behr)
- 6105 MEXICO Su Pantera; 2205 SS, US & Mexican mx, ID as XEQM. (Laves 9/21) 0146-0325 with mostly US rock and pop mx. (Zilmer 9/28, McCoy 10/10) 1231 ads, ID's. (Jones)
- 6105 TANZANIA R. Tanzania; 0326 high-pitched test-tone till 0328, when IS as per WRTH; 0329 anthem, 0330 anms in EE and into Afr mx. Rarity on WCNA short-path. (Hill 8/13, 14, 22)

- 6105 BRAZIL Ceara R. Clube; 0208 PP, mx, sports, ref to Fortaleza. Off 0302. (McCoy)  
 6115 COLOMBIA LV del Llano; 0230-0310 SS, tlks, vocals, ads. (Wegener 9/12, Agner 9/29)  
 6115 BRAZIL R. Tupi; 0915 PP, ID and TC for "Tupi", then piano mx. Brazilians reappear here around Sept. equinox in our evening - their morning - on 49mb with prop via short path across Antartica. (Padula 9/24)
- 6120 ARGENTINA R. El Mundo; 0716-0800 SS, Light LA mx, ID at 0800, then mx. (Kohrmann)  
 6120nf SPAIN RNE; 0400-0500\* SS to LA // 6085. (Padula 9/23) (Guarducci)  
 6120nf NETH. ANTILLES RN Bonaire; 0030 Dutch; ex 6000. VG. (Behr)  
 6120 VENEZUELA R. Angostura; \*1000 SS, s/on with NA followed by tlk by M. (Laves 9/21)  
 6130 GHANA R. Ghana; 2145 EE, mx for your enjoyment. (Zilmer 10/8) Did you?  
 6132.5 CHINA RP; 2337-2347 SS, tlk, ID, and local mx. (Tuchscherer) /Yajko 9/19  
 6135 BRAZIL R. TV Gaucha; 0635-0854 PP, LA mx, ID's, PP annmnts. (Cosier, Padula 9/24)  
 6140 EUROPEAN RSFSR Location unknown; After BBC left the air at 0300, heard clock striking 6, Soviet anthem, "dobroe utro, tovarishchi" and all that, then 8-note organ IS and Russian talk by man. Weak, echoes, fluttery. Could very well be listed Voronezh (misspelled Voronosh in WRTH). (Hill 10/2)
- 6145 INDIA AIR; 1545 EE ID by W after mx by M. Weak. (Hill 9/24)  
 6145a NIGERIA NBC Calabar; 2255-2305 EE/unid lang, US pops, pips and ID at 2300, then into mx in EE by M. Off at 2305 with anthem. Bad het from assumed W. (Corson 10/8)
- 6150 COLOMBIA LV del Hilla; 0925-1005 SS, many ID's, ballads by M.W. (Earhart, Guarducci)  
 6155 SINGAPORE R. Singapore; 1010-1110 Malay, with bright mx, mx at 1030 & 1130, ID as "Radio Singapura". (M. Smith 10/8)  
 6155 AUSTRIA ORF; 0215 FF, nx, ID "Ici l'Autriche". (Schwartz 9/24) 0335 EE, cmtry on Spanish executions. (Dunn 10/3)
- 6155t HAITI R. Citadelle; 1051-1107 FF, M.W. anners, possible ID and mention of Cap Haitien. FF ballads. (Jones 10/10)  
 6156 HAITI R. Citadelle; 0220-0240 FF by M, 0224 orch theme from "Jesus Christ Superstar"; lively pop tunes to 0240 tune-out. Checked Guinea on 7252 just to be sure it wasn't them. Remember all those SWBC stations Haiti once had? (Hill 10/9)
- 6155t IRAQ R. Baghdad; 1105-1120 AA, W amncr, one chant-type song then the rest were typical AA numbers. Fits WRTH sched for them. (Earhart 9/13) Never seen reported. KC.  
 6160 CANADA CKZN; 0936-1100 EE, marine wx, sports, mx, TC often. (Moritz, Zilmer, Jones)  
 6160 UNID. 0636 FF, mid-east type mx, pop mx after 0700, possible ID by W. (McCoy 10/12)  
 6160 UNID. 2120-2125 chants by M, 2125 M tlking in lang, wiped out by DW at 2126. AIR?  
 6165 NETH. ANTILLES RN Bonaire; \*0200 EE, IX Jutebox. (Conover, DeLong) /Shingler 9/20  
 6165 BRAZIL Unid. station here 0900-0915, PP annmnts, LA style mx; maybe R. Cultura, Sao Paulo. (Padula 9/24)
- 6170 VENEZUELA R. Nacional; 0910-0920 SS, lcl songs, car ads, dominant over PBS-Manila. (Padula 9/24) \*0958 SS, NA, ID, freq's, all mixed up with LV del Selva. (Jones 9/17)  
 6170 COLOMBIA La Voz de la Selva; 0950-1101 SS, ads, LA mx, annod as in Florencia with ID at 1101. (Gaffin 9/22, Zilmer 9/22, Jones 9/17)
- 6170 MOROCCO RTVM; 2224-2255 AA, chants and W giving annmnts between mx. (Moritz)  
 6175 BRAZIL R. Guarani; 0840-0845 PP, ads, dominant over Kuala Lumpur & Paris. (Padula)  
 6175nf GREECE Athens; \*2100-2150\* Greek to Aust, ex 7215. (Padula 9/14)  
 6175 JAPAN NHK Relay, Hiroshima or Tokyo; From 0740, Japanese sporting event dual Sendai on 6190; from 0755 mixing with Brazil. Both 6175 and 6190 off at 0759. According to WRTH 474, 6175 should be Hiroshima carrying NHK-2, 6190 Sendai with NHK-1. Lack of up-to-date NHK relay info very annoying. (Hill 9/21)
- 6180 COLOMBIA R. Nacional; 1030-1045 SS, Annrc mentioned Colombia several times at 1030. Ads with musical flare and ballads at 1040. (Earhart 9/13)  
 6180 ARGENTINA R. Nacional; 0445-0505\* SS, tlk, ID at 0500 and then marching mx to sign off. (Guarducci)  
 6180 VENEZUELA R. Turismo; 0059 SS, mx, lcl ads. (McCoy 10/10) 0950-1020 SS, many ads and some mx. (Gaffin 9/30)  
 6180 GUATEMALA R. Nacional; 0600-0611\* SS, marimba mx, ID and anthem. (Roberts 9/15) (T) 0340-0357 SS, tlks by M, marimba mx. (Watson)
- 6180 UNID. SS ID at 0932 as "Radio Nacional", into LA songs. Which? (Cosier) Take your choice above. hi. Guatemala rptd at this time in Oct LRB. KCC.
- 6185 BRAZIL R. Bandeirantes; 0840-0845 PP tlks, ads. (Padula 9/24)  
 6185 HONDURAS R. Swan; 0600-1038 SS, variety of mx, tlks & cmtry (anti-Castro), many ID's. (Moritz, Yajko, Talbot, Russell, Ewing, Gavaras, Lausevich)
- 6185 LIBYA PRB; 0357 AA, open carrier till \*0400, then NA? and into tlk by M. 0410 into Koran reading. Bells at 0459 and into singing by W. Knocked out by DW IS at 0526. (Laves 10/11) 0650 AA annmnts when W and R. Swan off. (Willis) (T) 0509 AA, Koran chants, middle-east mx. TC for "midnight" in EE, followed by EE ID "This is Revolution Broadcasting Corp". Audible under DW at 0525-0600, then sometimes in clear to 0730. ID is on tape if anyone can help. (McCoy 9/24-10/1) Based on above reports seems like a good bet. KCC. // (Willis)
- 6190t MOROCCO RTVM; 0522-0601 AA, Koran chants, mid-east mx. (McCoy 10/4) 0700 AA amns.  
 6190 SUMATRA RHI Padang; 1520 Indo, ID. (Willis)(T)(6190.5) Around 1440, very soft, slow Indo tlk by M; typical Indo modulation. Most likely Padang. (Hill 9/12)
- 6195 NIGERIA NBC Sokoto; 0533-0600 EE/Hausa, mx in both lang, local mx. (Ravenhorst 10/4)  
 6195 MALAYSIA BBC Tebrau; 1000 EE, radio theater drama. (Trubee 9/10)  
 6200 CLAUDELINE LV du Pathet Lao; 1135-1145 Laotian, presumed nx and // 6215 was much weaker. (Fayer 9/16)

- 6230 CLANDESTINE R. Pathet Lao; 1230-1245 Laotian, ID "Thi Vi Xi Tatu Kachai/Siang Kai Pathet Lao", Asian mx. (Barber) Hope I got that ID right. KCC.
- 6230 ISRAEL IBA; Tested antennas on this freq. on 9/24-25 only; noted ten minutes on, ten off for switching between 2305 and 0305 with 1000 Hz tone; // 7395, 9615, 12025, and occasionally 11960, 9785. (Hauser)
- 6239 UNID. 2035 Euro lang, pop mx, some classical, Gong at 2100. Hrd to 2215 f/o. Lang sounds Slavic. Any ideas? Not USSR, ehil (Cosier)
- 6250A CHINA RP; 1218 EE, ID, cmtry. (Jones 10/4)
- 6250t NO. KOREA Pyongyang; 0925-0931\* unknown lang, singing by choral group with high pitched voices, 0930 t/k by M but don't think ID, off at 0931. (Earhart 9/28)
- 6270 CHINA RP; 2205-2213 EE, t/k by M with political orientation. (Aston 9/16)
- 6288.3 NO. KOREA Pyongyang; 0930\* KK HS. Often runs late. (Willis) Mayer 9/17
- 6348 SO. KOREA Echo of Hope; 0935-1140 KK, soft oriental mx, W anncr. (Jones 10/7)
- 6405t THAILAND Or Sor; Station reported here in last 2 LRB's as being heard after 1400 is probably not Or Sor as they sign off at 1210 according to Victor G. I hear nothing here. (Hill)
- 6553 JAVA RRI Jakarta(2X); 2nd harmonic of 3276.5 first heard 9/11 but not positively identified till this a.m., when caught with studio mx at 1207 and def parallel to 3276.5. Fair level but distorted. Unusual! (Hill)
- 6595 UNID. RR station hrd here at 1320. Was not a wx station. (Willis)
- 7058t JAVA RRI Jakarta; 1015-1026 Indo(?), occas mx, very muffled voice. (Earhart)
- 7060 CHINA PR; 2300-2305 CC, "East is Red", M t/king, mx. (Shingler 10/2)
- 7065 ALBANIA R. Tirana; 0000-0010 EB mx, ID // 9790. (Askiné 10/5)
- 7075 EGYPT R. Cairo; 2152-2202 AA, singing by M, W anncr between numbers. Anncmnt at 2159 by M, a "musical roll", then more Egyptian style mx. (Earhart 9/10)
- 7085 PAKISTAN RP; 2105-2115 EE, mx and comments with loudspeaker volume. ID at 2110 then orch mx with vocal. (Earhart 9/27)
- 7085 UNID. Station heard after Pakistan s/off at 2145. Carrier caused terrific het at 2142. At 2156 hrd Russian ID sig underneath making ID impossible. (Earhart 9/13)
- 7098nf JAVA RRI Yogyakarta; 1300 Indo, ex 7110. (Willis) Still being rptd 7110.KCC.
- 7100 USSR RM; 2300-0118 EE, mailbag pgm, mx and cmtry. (Yajko, Talbot, Askiné)
- 7102.3 NO. VIETNAM R. Hanoi; 1315 with lang lessons. Drifting from 7107. (Willis)
- 7105 MONACO TWR; 0650-0742 EE, rel pgms, asking for mail from listeners. 40 dB over 59 in California on a super Euro night. (Hill 10/1, Earhart 10/4, Ewing 10/4)
- 7105 ASCENSION I BBC; 0257-0320 EE, s/on and into world mx. (Thompson 10/4) (T) 0436 with FF t/k by M. Almost positive BBC, although not sched per WRTM. (Moritz)
- 7110 JAVA RRI Yogyakarta; \*1000 with NA followed by lots of local music. Reported to have left this freq but big as ever // 5017. (Shaw 9/28)
- 7115 THAILAND R. Thailand; 1035-1204 Thai, native mx, M&W t/king, IS. (M. Smith 9/22)
- 7120 SOMALIA R. Hargeisa; 1602 in Somalia. Big hets, one from another Afr. (Willis)
- 7130 TAIWAN BBC; 1300-1320, ID by IS of 10 notes; mx and cmtry by M&W anncrs. Poor level. (Lausevich 9/18) Unid. and China reported here last month, both Taiwan. (Hill)
- 7135 IRAN R. Iran; 1428 with IS on plucked instru, "Inja Tehran astr" twice at 1429:30 and into Farsi t/k; not dual 9022 and not heard on 9050. 11-note IS is not the same as shown in WRTM. Freq replaces 7064 per UAMK, to which a tip of the hat! Also hrd 1450 to past 1530 on 9/12 but not identified. (Hill 9/28)
- 7135 GABON RTV Gabonaise; 0755-0800\* FF, t/k to 0757, mx interlude, W anncr but not distinguishable ID at s/off. (Earhart 10/4) Not per sched in WRTM. KCC.
- 7139v MALUKU RRI Ambon; 0850-1130 Indo, M&W with local ads, 20 min of provincial mx ending with chorale as usual. // 4815. (Shaw 9/28, Willis)
- 7155 JORDAN R. Jordan; 2148-2215 AA, mx and t/k, also play or drama. (Moritz)
- 7160 SARAWAK R. Malaysia Kuching; 0935 all CC Red Network, with M hosting local Chinese pop mx // 1950 which was weaker. (Shaw 9/28)
- 7165 RYUKYU IS VOA Okinawa; 1442-1202 EE, jazz mx, "Yankee Doodle" at 1200 and into mx pgm. (Earhart 9/23, Ewing 9/25)
- 7170 NEW CALEDONIA R. Noumea; 0530-0822 FF, t/ks, pop mx, ID's. (Watson, Laves 10/4, Schwartz 9/26, Earhart 10/4, Gesell 10/7, Ewing 10/7, Ravenhorst 9/21)
- 7170 GREECE VOA Kavala; 0259 EE ID and into RR pgm. (Mohrmann)
- 7175M SICILY RAI Caltanissetta; 0541 in Italian. (Schwartz 9/26)
- 7185 MALAYSIA Kuala Lumpur; New, unlisted freq first heard from around 0910 on 9/21. From around 0910 when was on 7184.5. 0930 six pips and into pop music pgm // 9710, 9515. After 1005, clobbered by USSR/FE carrier (s/on 1030). On 9/24, noted 1610 with Moslem chants, now exactly on 7185, again dual 9710/9515. Certainly a strange freq to choose with BBC Tebrun 5 KHz lower! (Hill)
- 7185t TAIWAN BBC; 1150-1205 CC, Chinese type t/k & mx to 1156, then what may have been a NA. 1201 more interlude mx and then probable mx by M. (Earhart 9/23) Could be Ken, but I haven't seen reported here lately. How about one of the two above? KCC.
- 7190nf INDIA AIR; 1432 with sports. Ex 7195. Is irregular, and beware Sri Lanka. (Willis)
- 7195 ALGERIA RTVA; \*0600-0740 AA, Kabyl Network pgm, Arabic song with unison and octave accompaniment on native instru, t/k by M, ID. (Hill 10/1, Roberts 10/1, Willis)
- 0040-0100 AA, chants, t/ks. (Shingler 10/1)
- 7195t PHILIPPINES VOA Porc; Unlisted VOA outlet around 1345 in VV dual 7275 is assumed to be one listed on 7215 in WRTM. (Hill 10/2)
- 7195 LIBERIA VOA Monrovia; \*0259-0330 EE, "Safari" pgm. (Jones 9/30, Ewing 9/30)
- 7200 SUDAN R. Omdurman; \*0400 AA, s/on with anthem, Koran reading. (Laves 10/11)

- 7210 SWITZERLAND ICRG; \*2300-0000\* EE and others, tlks, interviews. (Erving, Gaffin 9/20)
- 7210.5 IRIAN JAYA RRI Biak; 111.5 Indo tlk and pop instru; 1202 apparently late for Jakarta mx. 1214-1217 about eight ID's for R.I with much mention of siaran and pertanian. No other Irian Jaya station readable at this time. Have tried for 0800 s/on and 1400 s/off, but USSR/FE is overpowering them. (Hill 9/11 et seq.) (Hill)
- 7211.2 IVORY COAST RRI; 2307 FF with bouncy Afr vocals, "Goodtime" DJ tlk in FF // 11920.
- 7215 GREECE Athens; 1920-1930 EE mx with W annor, ID and flute IS. (Troy 9/27)
- 7225 TUNISIA RTT; This outlet, seemingly very high-powered, is noted daily from as early as 2245 till 0059-0107v close-down with fair to good level. ual 11970 is faintly QK from around 0000 with very severe jammer QK. Pgmng is all AA. Can't understand why I haven't seen this one reported! (Hill 9/27\*) Station reported here as Egypt in Oct LRB is Tunisia. See also Oct LM-2. (Hill) As I type this Fisk just poled one over the wall to keep the Sox alive. I could hear you yelling clear in Iowa, Bob! KCC.
- 7225 PHILIPPINES FEBC; 1330-1350 JJ, rel tlks, orch mx and vocals. (Thompson 9/20)
- 7227A UNID. reported here last month in Baghdad on 7225. (Hill)
- 7235 NIGERIA Emgu; 0521 EE, native mx, tlk by M. (Ravenhorst 9/17)
- 7236v MONGOLIA Ulan Bator; 1300 CC, 1330 ME, now back here from 7300 which it used for a few days of tests. (Willis) // (Hill 10/1)
- 7246t ALGERIA RTA; 0725 FF, what is believed to be the French Network with bouncy instru with guitar dominating; 0732 M read mx. This freq sched only 1800-0000 per WRTM.
- 7260 E. GERMANY RRI; 2143 EE, sports pgm and letter answering. (Dunn 10/1)
- 7264t TOGO Lomé; On 10/7 only, a station with Afr singing and rapid drums was noted from 0612; at 0615 mx in FF (fits WRTM sched), 0625 bouncy instru, then FF pop vocals by W; 0628 "Tci (Lomé?)" and more mx. At the same time, 5047 was not on the air -- but the past two nights, it has been, and 7264 has not. (Hill)
- 7265 W. GERMANY Südwestfunk; 0605 GG mx, ID, TC. (Schwartz 9/26)
- 7265 PAKISTAN RP; 1300 mx in EE. Echoey, super-fluttery and, in general, wretched on 10/2. 1500 ID in lang on 10/6. (Hill)
- 7270 ASCENSION I BBC; 0610 EE, Afr morning pgm, letters, off 0659. (Talbot 9/19)
- 7270 SOUTH AFRICA RSA; 0258-0500 EE, mx, tlks, etc. (Thompson, Locher, Talbot)
- 7275 NIGERIA WON; \*0600-0615 EE, world mx, tlks, discussion of manpower shortage in country, ID. (Schwartz 9/26, Fields, Talbot 9/19)
- 7275 GREECE VOA Kavala; \*0300-0305 EE, "Yankee Doodle" and s/on info. (Erving 9/20)
- 7280nf SAUDI ARABIA BSKSA; 2000-2100 AA, ex 7110. (Padula 9/15)
- 7285 W. GERMANY DW; 0630 GG, opera mx to 0634, IS, ID in GG, more mx. (Talbot 9/19)
- 7285 JAPAN NHK; s/off at 1000, so station reported here Oct LRB someone else. (Hill)
- 7290 USSR R. Kiev; 0045-0100 EE pgm of mx, mentioned this freq. (Lausevich 9/26)
- 7295 MALAYSIA RM Penang; 1135, AEW root-beer ad, 1960-era "moldy oldie" rock records, W in Malay; 1110 EE mx and country on local politics till 1200, when W IDed in Malay. Checked 1985 for what should have been a parallel, but there was only a dead carrier below RRI/1966. No other RM freqs were dual. (Hill 10/2)
- 7300 YEMEN ARAB REP. R. Sanaa; 2100-2249 AA, endless chants. (Arner 9/27, Troy 10/7)
- 7300 ALBANIA R. Tirana; 0130-0140 EE, mx and propaganda. (Locher 10/5) // (Barber 9/9)
- 7310 CLANDESTINE R. Pathet Lao; 1230-1235 Lao, tlk by M, followed by marching mx.
- 7320 ISRAEL IBA; \*2200 FF // 9820. (Cosier)
- 7345 CZECHOSLOVAKIA R. Prague; \*0100-0157\* EE, mx, country, folk mx. (Schipelliti 10/5)
- 7395M ISRAEL IBA; 2005-2055 EE, mx, ID, features, Jerusalem calling. (Schwartz 9/23)
- 0500 EE mx, into FF 0515, new time(ex 0400-0430) via LP. (Padula 9/7)
- 7370 USSR Nikolayevsk; 1900 HS RR - pgm 1A (FE version) now on 1900, runs to s/off at 0700. 1900 Good, 2100 Poor - 0400 to 0700 F to G. Less said about 2100 - 0400 the better! (Davis) OOps, out of order, sorry! KCC.
- 7500 AUSTRALIA VNG; 0711 EE, stndrd freq and time station. One sec beeps and ID by M on the hour and at 15, 30, and 45 min past the hour. (Aston 9/13)
- 8240 CHINA RP; 0845 KK, tlk by M, classical music. (Trubea 9/10)
- 8393 UNID. 1233 MFW in SEA tongue, weird mx on native wind instru, singsong chants and choruses to 1128:30 closed-down. Not parallel to either Pathet Lao network or Voice of Thai People. Don't heard since 10/6. May have been North Viet Nam in mountain lang(s), though didn't occur to me while I was listening. (Hill)
- 9022 IRAN VOI; 1945 FF ID "Tci Tehran La Voix de Iran"; 1956 IS which doesn't sound like one given in WRTM; 2000 s/on with EE pgm. (Mohrman 9/20) (T) 0130-0145 in unknown lang, tlks and mx. Don't think this was Israel. (Askin 10/5)
- 9250 KAZAKHSTAN SSR R. Alma Ata; 0200-0215 RR, mx by M. Fair. (Mayer 9/25)
- 9400 ISRAEL IBA; \*0355-0500 Hebrew HS // 12080 and 12045. (Cosier, Padula) // (Brooks)
- 9420 NO. KOREA R. Pyongyang; 1020-1048\* EE, country, mx, off with anthem. (Moritz, Jones) 1200-1230 EE, mx by W, frequent ID's. Thanks to tip by Bob Zilmer. (Lausevich)
- 9430nf ALBANIA R. Tirana; 2100-2127\* SS pgm to Spain. (Behr)
- 9435 CHINA RP; 1315-1320 CC, tlks by M, discussion of agriculture. (Barber 9/15)
- 9470 USSR RP&P; 0045-0100\* Creole, mx and country. (Carbone 9/28)
- 9470 CHINA RP; 1355-1400\* RR, s/off tlks by W followed by "International". (Barber 9/15)
- 9460 PAKISTAN RP; 1310-1335 EE/Urch, SC mx, EE ID at 1330, contest questions. (Roberts)
- 9475 EGYPT R. Cairo; 0210-0320 EE, mx, tlks by W, "Stamp Collectors Club", mailbag program. (Conover 10/6, DeLong 9/26, Earhart 9/19, Schipelliti 10/7)
- 9482 CLANDESTINE Red Army Station; Tuned in at 1617 and caught strident exhortations in Chinese, then off at 1622 after a brief march. (Hill 10/2)



- 91.90 UNLD. 0215 IS political tlk by 2 M. Idos? (Houser) etc.
- 9500 ALBANIA R. Tirana; 2217-2215\* SS, mx and cntry by M. (Schipelliti)
- 9500 PERU R. Tacna; 0513 SS, tlk by MFW, mx, ID's. (Fields)
- 9505 DOM. REP. RTV Dominicana; \*2100-2200 S/SE, Piano IS, anthem, ID and selection of ballads. (Earhart 10/10, Jones 9/11)
- 9505 JUAN R. Omdurman; 2137-2200\* AA, mx, ID and IA at w/off. (Hayer 10/3)
- 9505 PERU R. America; 0510 SS, mx by jazz band, tlk by L, some LA mx. (Fields)
- 9509.5 GUATEMALA RP; This one, reported as unLD some time ago, turns out to be a R52 channel. Noted 1005 with Chinese instrumental mx on hollow bamboo-type thing, dual 7190. Rather weak and only QRB when Taiwan off 1000-1030. (Hill 9/21)
- 9510 VENEZUELA R. Barquisimeto; 1110-1215 SS, ballads, mx. (Mohrman 9/20, Earhart)
- 9515 TURKEY VOF; 1650-1700 TT, mx, armts, ID, IS. (Schwartz 9/21) 2202-0030 ET, mx, TC, DX mx prm, rock mx. (Noonan, Wegener, Ravenhorst, Diamond, Earhart, Zilmer, Russell)
- 9515 SOUTH AFRICA RSA; Tested on this freq, ex 9505, noted 10/8 only, 2309, announcing 9505 (despite apparent "live" announcers, they couldn't manage to coordinate the correct freq armts!); then rerun of a previous week's WX Corner. A Turkey-be-damned tactic to escape WFR. (Houser) 2230-2256 EE, mx. (Cress 10/9)
- 9520 NEW ZEALAND RNZ; 1015-1030 EE, mx report. (Horwath)
- 9525 CUBA RHC; 0045-0055 SS, arnments with ID at 0050. (C. Smith)
- 9525 INDIA AIR; 2200 EE, mx and cntry. (Ball 9/27)
- 9525 SOUTH AFRICA RSA; Back on nominal 10/10 ex 9515 test; however, very strong here, and missing this date on // 9505, so I hypothesize that this time R5A was trying to counter WFR by running 2x250 Kw xmtrs in // on 9525. (Houser)\*2230-2320\* EE, mx, tlk and mailbag. (Sharp 9/11, Ball 9/27)
- 9535 ANGOLA Emissora Oficial; 1123-1616 PF/vern, political tlks in PF, and then in other Angolan languages; 1118 ID, live coverage of an airport event, still 1535; still in at 1605 with political speech, cheers 1630, carrier still at last 1616 check. Some 20 min later, RFI ran a bulletin that a Luanda radio xmtr had been attacked from the air. (Houser) Very interesting, Glenn. In chasing DX we too often overlook the informational aspects of SWBC, KCC
- 9535 SWITZERLAND SBC; 1100 EE, mx prm. (Zilmer)
- 9540 NEW ZEALAND RNZ; 0601-021 EE, sports mx, pop type ballads. (Caffin, Yajko, Earhart)
- 9540 CZECHOSLOVAKIA R. Prague; 0110-0200\* EE, mailbag prm. (DeLong 9/29)
- 9545nf LEBANON R. Lebanon; 0200-0215 AA, mx, ID "Iza'at El-Loubnan min Beyrouth", and short mx. (Roberts 9/21) \*0730-0300 EE, annod freq of 9675, but NOT one used. Fpm consisted of pop mx. (Conover 9/17, 10/6, Watson 9/19)
- 9545 BRAZIL R. Universo; 1250 PP, mx and ID spree "A Voz do Brazil". (Laves 9/14)
- 9545 W. GERMANY W; 2337-2350 GG/SS, tlk and mx to 2315, then into SS. (Earhart 9/20)
- 9555 MEXICO La Hora Exacta XPOX; 1622 SS tones of about 1 sec on the min. Then trumpet and M talking simultaneously, followed by ads. (Laves 10/11) 1917-2000 with rapid SS ads, time every minute, AC hum on carrier. (Houser 9/15)
- 9555 KUWAIT R. Kuwait; \*1700 pips, EE ID by W and into pop mx. (Watson 9/25)
- 9560 JORDAN R. Jordan; 1600-1630 EE ID, pop mx, W anncr. (Troy 9/21)
- 9562 PERU R. Nacional; 1100-1210 SS, mx, wx, ID. (Zilmer, Tuschscherer) 0110-0115 SS, fiesta mx, fast SS anncs. (Padula 9/25)
- 9570 AUSTRALIA RA; 0602-0815 SE, mx and stock market rpt. (Horwath)
- 9570 SWITZERLAND SBC; 2259 PP, IS, ID, TC and tlk by M. (Miller 9/17)
- 9570 SPAIN RNE; 1115 SS, ID by W, tlks by M. (Miller 9/11)
- 9570 QATAR QBS; 1310 Al-Quran, ID at 1323 "Qatar min-al Deuha" (sounds like a cross between kutter and Gutter). Good level, but doesn't sound 100 Kw. (Cosier)
- 9575 ITALY RAI; \*2025-2015\* EE, mx and easy listening mx. (Aston 9/21) \*0100-0120\* EE, mx and mx. (DeLong 9/28)
- 9580 AUSTRALIA RA; \*1115-1150 EE, world mx, church service, TC, ID and mx. (Horwath, Schwartz 9/18, Sharp 9/18, Schipelliti 10/5, Locher 10/3)
- 9580 PHILIPPINES VOF; 0819 EE, mailbox prm with letters from listeners. (Jones 9/16)
- 9585 SOUTH AFRICA RSA; 2230 EE, mx prm. (Ball 9/27, Padula 9/11)
- 9585 JAPAN R. Japan; 1200 EE mx. (Zilmer 9/28)
- 9585.5 SOMALI REP. R. Moradishu; 1915-2102\* Somali, native mx, mx, ID at 2100 and off with anthem. Generally at Good level. (12 reporters) remember when they were rare!
- 90 CHILE R. Presidente Balmaceda; 1100 SS, rock and pop mx. (Zilmer 9/21)
- 90 W. GERMANY W; 1705 GG, reserve freq, not listed in current W schedule. (Schwartz)
- 90 NORWAY R. Norway; 1755-1300 at very weak level. (Shindler 9/26)
- 95 BRAZIL R. Cultura da Bahia; 0022 PP, arnments by M, ID. (Agner 10/7)
- 90 SO. KOREA KBS; 1200 EE over USSR/RA. Irregular. (Mills)
- 00nf AUSTRALIA ABC Melbourne; 1145-1205 unknown Asian lang, M tking, several 100's as Melbourne. Several songs and a US semi-classical. (Earhart 9/13)
- 05 SWEDEN R. Sweden; 2317 EE, Sweden calling Mers, mx. (Zilmer 9/23, Earhart 9/21)
- 05 FRANCE RFI; 2015 FF, tlks and mx. (Zilmer 10/11) 0602 PP, mx and mx. (Trubee 10/12)
- 05 VATICAN Vatican Radio; 0105 EE, rel prm. (Sharp 9/18)
- 10 AUSTRALIA ABC Perth; 1100-1230 EE, "Swizzlebird Show", mx, ID's. (Schwartz 9/18, Askiné 9/21, Moritz, Cramton 10/1) 0100 EE mx and science prm. (Talbot 9/21)
- 10 USSR R. Kiev; 0310-0330 EE, mailbag prm with W reading, M answering. (Aston 10/1)
- 14 PHILIPPINES Philippine BC Svc; 0850 mx, EE arnments, 0900 mx in EE, with positive mention of Manila at 0901. Knocked out at 0901 by PCEI s/on. I like this one -- listed 250 watts. Definitely // 6170 until eliminated by Colombia at 0153. (Hill 9/23)

- 9615 PHILIPPINES PBCS; 0848-0850, blocked by KGEI s/on 0900. EE pop mx. (Padula 9/24)
- 9615 INDIA AIR; 1255-1301 SC mx, W in lang, then more mx. (Shandler 10/7)
- 9615 MOROCCO RTVM; 2000-2030 AA, tlks with Moroccan mx. (Barber 9/6) 0148 AA tlks, and mx. (Fields 9/30)
- 9615nf SAUDI ARABIA BSKSA; 1345 AA annmnts // 11950. (Willis) /Talbot
- 9620 YUGOSLAVIA R. Belgrade; 2205-2230\* EE, rx and country, IS. (Carbone, Yajko, Aston)
- 9625nf ECUADOR HOJJE; 0350-0405 unknown lang, tlk by W, hymns, ID in EE. (Earhart 10/10)
- 9640 SO. KOREA KBS; 1100-1115 EE, rx, country re Korea. (Dunn 9/24, Hobbs 9/22, Miller)
- 1630 Malay or Indo, 1645 Arabic; no duals heard. (Hill)
- 9640 MOROCCO TWR; 0945-0957 EE, DX special pgm. Poor. (Earhart 9/27)
- 9645 VATICAN Vatican Radio; 1945 Latin, rel pgm, rx. (Noonan 9/27)
- 9645 INDIA AIR; 1430 EE, sports roundup. (Watson 9/21) /Brooks
- 9645 COSTA RICA TIFC; 0355-0404 EE, sermon by M, songs, ID. (Hobbs 9/20) 1134 SS pgm.
- 9648.5 GUINEA Conakry; 0215-0330 FF, tlk and rx, ID, followed by Af mx. (Cress 10/4)
- 9649nf THAILAND R. Thailand; Has moved here from 9654 and now anns 9650. Noted 9/30 from 1053, news in EE by W with heavy SEA accent; 1059 ended rx, ID and began reading reception reports from SEA listeners. Emphasized move to "9650". (Hill)
- 9650nf TUNISIA RTVT; 0600-0701 AA with world rx, mx, ID at 0701 // 11970. Believe new transmitter testing. (Padula 9/22 only, Cosier)
- 9655 HUNGARY R. Budapest; 2148-2155\* EE, DX pgm. (Ravenhorst 9/28)
- 9665t BRAZIL R. Nacional Brazil; 0830-0840 FF, tlk by M, bob type Brazilian mx with orch and vocal, more tlk and perhaps an ad. Mentioned Brazilia. (Earhart 10/4)
- 9670 CHINA RP; 0920 CC opera dual 9745 (HS2). Weak, under strong carrier and also mixing with another station; first time logged here. All Pekings are not created equal -- some are quite difficult to log. (Hill 9/23) /Wegener
- 9675 PERU R. Del Pacifico; 1115 SS, mx and ID, rel mx. (Zilmer) 2225 SS ads, TC, I's.
- 9675 JAPAN R. Japan; 1343 EE, IS, ID and off. (Miller 9/20)
- 9675 BRAZIL R. Diario da Manhã; 0235-0300 FF with EE lang lessons, ID. (Lausevich 9/10) 0919 FF, tlk by M, ID and then mx. (Laves 10/11)
- 9690 ROMANIA R. Bucharest; 2030-2100 FF/EE, rx, country, letterbox. (Carbone, Aston)
- 9690 ARGENTINA RAB; 0555 SS, into EE at 0600 over BBC. Amazing sigs. New tx? (Cosier)
- 9700 BULGARIA R. Sofia; 0130 EE, rx and mx. (Noonan) 0415 EE, DX pgm. (Lausevich 9/6)
- 9705 ALGERIA RTVA; 1633 AA, mx and chanting, tlks by M. (Miller 9/17)
- 9709.9 MAURITIUS Forest Side; 1255 with Indian lang, mx to 1259\*, off in mid-sentence. Much QRM from RRI & Malaysia. (Cosier)
- 9710 GREECE NHH Thessaloniki; 0600-0655 with special Sunday service, Greek Orthodox Church service, via LP. (Padula 9/21)
- 9715nf AUSTRIA ORF; 1900 GG mx & mx. // 15345. (Behr) 2030-2100 FF to Europe. (Padula 9/9)
- 9715 NETH. ANTILLES RN Bonaire; \*0800 EE, mx, DX Juke Box pgm. (Hoffman 9/18)
- 9720 SRI LANKA SLBC; 1900-0200 EE, mx, EE ID's and mx. (Zilmer 10/1, Mayer, Trubee)
- 9735 USSR Petropavlovsk, Kam.; 1700-2030 (9600, 1630-2100) winter replacement for 12010 // 7100, 7160, 9600. (Davis)
- 9735 ANGOLA WJ Kigali; 1523 FF, rx re Angola via LP. (Hauser 10/10)
- 9745 IRAQ R. Baghdad; 2000-2025\* EE, rx and tlk of Sinal. (Bwing 10/2, Watson 9/24)
- 9745 TAIWAN Air Force R.; Station rptd here Oct LRB is not Taiwan but Peking HS2. (Hill)
- 9750t TANZANIA R. Tanzania; 1435 EE, American-accented discussion of Afr politics; 1442 mx, 1456 off abruptly. Sched to 1600 Sat/Sun only. (Hauser 10/11)
- 9750 VENEZUELA R. Occidente; 1130 S3, tlk and LA mx under Chile. (Zilmer 9/20)
- 9755 MALTA AWR; 2015-2030 EE, DX pgm, 1st Sat of the month. Very interesting pgm about LA DKing. (Behr 10/4, Sharp 9/13, Cress 10/11, Hoffman 9/20, Miller 9/13)
- 9755 MALTA IBRA; \*2100-2115\* EE, rel mx. (Watson, Sharp 9/13, Bwing, Cosier, Talbot)
- 9755 BELGIUM RTB; 2215 Dutch, 2236 FF pgm. (Behr, Cosover 10/5) 2255-2315 EE, tlk on ballet. (Ravenhorst 9/29, C. Smith 10/3)
- 9760 MOROCCO VOA Tangier; 2127 EE mx. (Bwing 9/20)
- 9770 HAITI LVEH; 1215-1400 EE rel pgm, ID. (DeLong 9/19, Askine 9/30) /Ravenhorst
- 9770 E. GERMANY RBT; 2213-2230 FF/EE/PP, IS from 2213, then ID and into FF pgm.
- 9805 EGYPT R. Cairo; 2233-2300\* EE, tlks, native mx, mailbag show. (Yajko, Laves 9/19 Schipelliti 10/4)
- 9815 ISRAEL IBA; \*2000-2055\* EE tlk, rx. (Talbot, Sharp, Schwartz, Diamond)
- 9820 ISRAEL IBA; 2200-2259\* FF pgms and mx // 9009, 7395. (Behr, Diamond)
- 9840 AZERBAIDZHAN SSR R. Baku; 0157, six-note IS (do-sol-la-do-la-do) on chimes played twice, then anthem, W ID in local lang and M repeating in RR (or so it seemed -- copy spoiled by utility station with man hollering in S3). Stepanova or no Stepanova, there is no doubt that Al Mblack had this one. (Hill 10/2)
- 9858.4 ENGLAND BBC; 2100 EE WS, 2200 PP; feeder to Ascension; maybe the unid. station in the Sept. LRB. (Behr)
- 9912 INDIA AIR; 2155-2220 EE, pgm review and mx. (Dunn 10/2, Laves 9/19)
- 9950 INDIA AIR; New, unlisted freq has been noted daily since 9/26 on an irregular schedule. AIR news in EE is aired 1530-1545 and 1730-1735, with 1710 closedown every day, but in between 1530 and 1710 there is sometimes programming in SC lang and other times dead carrier or test tone. Once, just before 1730 rx, a completely unfamiliar IS was played. Another time seemed to identify as "Voice of..." following 1530 news. (Hill, Willis)

Swamped with reports this month, some 60 plus. May have to yell Uncle yet. Late reporters were Laves, TX; Sharp, NJ; Brooks, CT; Cress, VA; Schipelliti, MASS. 73's *Leht*

**PUBLISHERS NOTE:** As you can tell by report, Section C did not arrive in time for publication in the November FRIENDA, it will return again next month.

**HELPING HAND:** Member Peter Schipelliti is in need of a manual and schematic for a National NC-18MR. If anyone can help, write Peter at 31 Beaverbrook Road, Burlington, Mass. 01803.

**HELPING HAND:** For Sale: Realistic DX150A. Excellent condition, 1½ years old, recently revamped. Selling because I have recently purchased R390A and have SX190, Send bid to: (terms negotiable) Walter R. Salmaniw, 20 Gladys Road, West Hill, Ontario, M1C 1C6, CANADA.

**MIDWEST AREA DXERS---IT'S NOT TOO LATE** to supplement your membership to NASWA w/a membership in GLDXA (Great Lakes DX Assn) and receive NEWSMEMO for news of local and regional interest. We've had a shaky start but with your help we can make it work. For more info, write: Bill Whitacre, 2609 Devonshire, Lansing, MI 48910 or call: (517) 482-7996

If anyone is interested in Old Time Radio or utility TX informational lists, such as info on the FAA, FBI, FCC etc. contact Steven J. Handler P.O. Box 253, Deerfield, IL 60015. He has utility lists available for a small charge and old time radio recordings. Send an SASE for a list of what is available.

**LATE NEWS FLASH - UGANDA -**

A phone call received by Ralph Perry, DX HOTLINE editor from Winnipeg DXers, Jim Roberts and Ray Barton reports reception on Saturday October 25, 1975 of the Uganda broadcasting Corporation, external service in English on 9730kHz Form 2000-2100\* at super strength, programming consisted of soul mx, hi-life mx, ID and NA at sign off. Announced broadcasts would occur on Sunday, Monday Wednesday and Fridays.

Further checks by your publisher on 10/26 revealed this schedule, s/on in EE at 1830 with relay of IS presumed, mentioning MW and other SW Freqs. EE continued until 1910 then FM til 1940 then AA until 2030 then EE until 2100 s/off. Signal peaked at 2100 s/off. Checks on 10/27 revealed no trace of Uganda.

**New Postal Rates:** These are the International postal rates that are proposed to go into effect after Christmas. Airmail to the Carribean, Venezuela, Colombia, - 25¢ per half ounce until 2 ounces then 21¢ per half ounce; The rest of the world 31¢ per half ounce to 2 ounces then 26¢. Canada, same as USA, Mexico, 17¢ first ounce, 15¢ after that. Aerogrammes - 22¢; International Reply Coupons- 42¢. Registered mail - \$1.90.

**OFFICIAL DOERLE**  
CLOSE-CIRCUITING  
**SHORT-WAVE SETS**

**Economical 2-Volt Operation**  
These world-famous Official Doerle Battery Receivers undoubtedly offer you the best in short-wave equipment at low cost. They incorporate many advanced features such as 2-gang tuning condensers (3 tube sets only), single-dial control, airplane dial, ribbed short-wave plugs in coils and the latest tube.

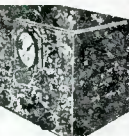
The 2-tube receiver employs one 31-1 A 30 and a 19 factually 2 tubes in one. Local speaker operation is obtainable on most foreign stations with this receiver. Sold complete with 2 sets of foreign 2-inducting plug-in coils. A special antenna loading circuit does away with the usual antenna trimming condenser which had to be adjusted each time the plug-in coils were changed. Furthermore, this new circuit does not in any way affect the tuning of the receiver; stations may be permanently logged on the airplane dial for future reference. Sold complete with metal cabinet. Ship wt. 12 lbs.

The 3-tube receiver uses a type 20 and a type 19 output tube factually 2 tubes in one. The use of this latter tube imparts to this set the same features as those 2-tube sets. MAY BE HAD EITHER WITH HANDPRESSED COILS OR WITH PRE-FLUXED COILS. (Please be sure to specify which you ordering.) Most models will fit in a 20000 Series 2-Tube 2-Volt Battery Receiver Kit with standard tubes, battery and cabinet. Ship wt. 12 lbs.



Front view of 2-tube set

**2-Tube Set**  
KIT  
less tubes and cabinet including coils  
**\$7.70**



**3-Tube Set**  
KIT  
less tubes and batteries including coils and cabinet  
**\$12.40**



**2-Tube Set**  
KIT  
less tubes and batteries including coils and cabinet  
**\$9.25**

**FAMOUS 19-TWINPLEX**  
WORLD-WIDE SHORT WAVE  
**BATTERY RECEIVER**

Brings in regularly European and other foreign stations. The Twinplex receiver incorporates a very sensitive circuit using a single tube which gives the effective performance of 2 individual tubes. The type 19 tube has a double set of elements, one section of which is used in regenerative detector, and the other as a stage of A.P. amplification. On load bleats, this small receiver will even work a loud speaker. Note the unique "anti-oscillation" arrangement of all the parts on the front panel. The entire circuit uses less than ten inches of hook-up wire. The set will receive regular broadcast stations too. Two coils are furnished with the set one covering the 49 meter foreign broadcast band, and the other, the regular American broadcast band. A detailed set of instructions and diagrams shows you how to assemble this set even if you've never built a radio before. Only first class material is employed. Ship wt. 5 lbs. Sold only in kit form.



**\$5.70** less tubes, battery and phone  
**No. 388 Famous 19-Twinplex Receiver Kit** including single handpiece and band, and 20000 Series 2-tube 2-volt battery. **YOUR PRICE**  
**No. 390 Accessories for the Twinplex Kit** including one type 19 tube, 20000 Series 2-tube 2-volt battery, and 20000 Series 2-tube 2-volt battery. **YOUR PRICE**  
Additional plus in kits to cover either the 20, 30 or 100 watt band-pass coils.  
See pages 147, 149 and 193 for our other sets.

**Radio Trading Co., 101-A Hudson St., New York City**

Advertisement from Shortwave Craft Magazine, June, 1935 from Steven Handler

Topline tip. . . They're dropping off like flies! Per DSWCI, quoting WRH's new info, REUNION ISLAND, St. Denis has discontinued shortwave operations, keeping only 602 kc MW....AFNT-Taipei reported off SW, dropping 7215 kc. and 3990 kc. channels....PORTUGUESE TIMOR station "reportedly blown up" during recent excitement over there....GRENADA has dropped 3300 kc., 11925 kc. and 15105 kc. No mtn of 5015 channel -- but this may have departed, also!

# DX

Next deadlines:  
11/13 and 11/27



# Hotline

•Editor: Ralph W. Perry

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

**MOZAMBIQUE** - As of 9/23, R. Cl. Mozambique, Radio Pax and Aero Clube de Beira reported nationalised and now known simply as "Radio Mozambique". New managing director is one Salomao Muteba. Future uncertain of L.M. Radio run by SAEC via taped pgms from Jo'burg. (Gerry Wood, S. Africa)

**CAPE VERDE ISLANDS** - 4721 kc., nom. 4755, R. Cl. Mindelo plans to up power to 5 Kw. Ltr from this rare one dated 8/75 sent to WRH, noting current sked as \*0630-0930\*, \*1400-1600\* and 2000-2200\*. (WRH via DSWCI)

3885 kc., R. Cl. de Cabo Verde, 0031-0102\*, w/PP pops, guit mx, poss. nx and tlks. Off to anthem, S-10\*, very nice when hams not talking. Dug ID out of tape. (Moritz) Praia hrd from 2250-0040\* with special xmsn on their national day. Good reception and clear at times, in spite of hams. Many mtns of Amicar Cabral's name. At close, played NA of Rep. of Guinea-Bissau. (Jaar) 10/19, pop-rock pgms and classical, nx at 0002 and apparent ID at 0008. Three IDs at 0059, NA and off. (Whitacre)

3930 kc., R. Barlavento at surprising lvl 2315-2345 t/o w/mood mx, many orchls and PP ballads, long nx slot at 2330-2344, ID thot hrd in midst of nxcast. (Ed.) Sao Vicente hrd 2200-2300 with different type of pgms than Praia. Considerable QRM. (Jaar) Noting Barlavento from 2325-0000\*, classical mx, lady anncr 2356 and tent. NA at 2358. (Whitacre)

**THAILAND** - Ministry of Education station writes they are inactive on shortwave since January 1974, no current plans. (Ed.)

**UNIDENTIFIED** - Station on the shortwave "twilight zone" between SWBC and ute hrd on 7941 kc. 0100-0130 on USB and again in a.m.'s on 6742.5 kc. from 1135-1235. FF anmts on minute, ancing time which is exactly one hr 5-minutes and 44-seconds ahead of GMT. Even Naval Observatory, to whom I sent tape, is stumped. (Handler)

8850 kc., Asian "musical number" stn, IL in sing-song lang at 1315, fun to hear but an absolute enigma. Gherrn? (Ed.)

**HONDURAS** - Radio El Ceiba allegedly to go SW on 6145 kc. in early January. Owner is Honduran politico Miguel Andoniez Fernandez of the Audio Video Co, which also owns R. Lux among other stns. Plans also include SW ops for R. America and R. San Pedro. All part of constitutionalist candidate campaign. (S. Reeves via DSWCI)

**SOMALIA** - Provisional QSL rcvd from Mogadiscio for 9585 kc. xmsn. Ends any doubt on this one. (Segal) The new hi-pwr xmtrs should open whole new world of pigeons for stamp collector stn honcho M.M. Afran, hi. (Ed.)

**Propagational picks.** . . Solar activity will remain low, though probably not as low as during recent weeks. The most significant geomagnetic disturbance since last April was noted Oct. 7-9 and, in diminished form, this is expected to return. Look for A-indices in the 15-30 range Nov. 2 through 6. The A's for the rest of the period will probably vary on a day-to-day basis from about A-3 to A-12. Best bet -- chances are good for favorable low freq African reception during the first week of November. Bazongal

**SWAN SONG** - Cf. MM-DXH. Source now leans away from CIA operation of Radio Swan due to its being listed in BECMS as "monitored abroad" (ie., FEIS). CIA wing wouldn't blow whistle on its own operation is the traditional logic. But source says one well-known right-wing rlg and apple-pie broadcaster is rumored to have purchased interest in Honduran stn some five years ago. And, this guy is also supposed to have some fallow equipment. (Anon.)

**TURKS ISLAND** - Morning operations indeed a reality, as reported in MM-DXH by Jack Jones. VSI xmtng rlg pgms, usually hrd here from 1100-1130. I usually snare an ID at 1122 as, "You are listening to Turks Islands Broadcasting Service, broadcasting from Grand Turk Island." (Rockwood) No fq quoted but presume usual 4788. (Ed.) 4788, R. VSI w/pops show, Joe Simon's "Kung Fu Bump". ID and vy poor audio at 2243-2301+. (Morits)

**BRAZIL** - Update on Brazilian flux per letter rcvd by Bob Zilmer from Robt. Veltsmiter, of Brazil: 8721, time signal station PPEL active, and in near future to be joined by time signal svc of Observatorio Nacional on 2.5, 5, 10, 15, 20, and 25 MHz from Brasilia.

6025 kc., Em. Piratininia closed down by federal government.  
6065 kc., R. Rural using this fq 0900-1100, 1400-1700 and 2000-2330.  
6095 kc., stn on this fq. now using call R. Tupi de Sao Paulo.  
15105 kc., R. Rural Brasileira now inactive.  
15135 kc., R. Record inactive, as is 15125 Sociedad da Bahia. 15155 Tupi is irreg.  
15145 kc., R. Jornal do Comercio is now testing and wants rpt. (all via Zilmer)

**COLOMBIA** - 5900 kc., R. Nac. de Columbia, noted at 1030 w/strong signal, SS tlk and LA mx, gongs and clear ID. Either a test or transmitter image, not hrd since 10/6. (Zilmer)

**UNIDENTIFIED** - Apparently Jack Jones is again going to make sure we all climb out of the sack at wee hours. First Swan, and now: "What the hell is going on with this fellow on 6255 kc, just north of the dial of Peking?" Continuous US pops on 10/7, 10/10, 10/11 and 10/13. Noted three times one song about Cassius Clay who changed his name to Muhammad Ali. 30 second pause between numbers, segued. (Jones) Might be heavyweight DX, OM. (Ed.) Seriously, though, famous VOA spur here, but doesn't fit. Possible ute melody mirror? (Ed.)

**INDONESIA** - Craig Tyson, our Aussie amigo, sends the latest on the Indo situation:

2260, unid. Indo nx 1305 and 1500, IDs as RRI.  
2830, RRI Tanjung Kerang, ID at 1530. Not Palangkaraya as I first thought.  
3137, R. Sitaran PDK Cikampek, Studio Jawa Barat, s/off 1510.  
3260, RKPDK Sumbawa, s/off 1645.  
3342, RDK Pandeglang, Jawa Barat, ID noted at 1519.  
3360, RDK Lahat, Bali, stn ID at 1435 and then gamelan mx.  
3965, RRI Pontiniak, hrd with Jakarta nx at 1500 and s/off at 1525.  
3925, RRI Bogor, Jakarta nx at 1500. Also uses 3952 ko.  
5882, RRI Pekanbaru, ex-5886, 5845, local Indo singing at 1525.  
4376, RPKD Soppeng, Sulawesi Selatan, stn ID after Jakarta nx at 1515.  
7210, RRI Biak, local nx at 0830 (Tyson, all of above) 7210 RRI-Biak hrd. at exceptional lvl from 1235 regional nx through Tony Bennet album to 1300 national nx relay. Mine lvl, comparable to Ambon 7140. Next day, fq covered by RR stn. Patience will be rewarded, as Russian stn just "disappears" on random days, uncovering Biak at armchair quality. (Ed.)

**LAOS** - 7145 t, RNL-Vientiane has been rpted here by BECMS and noted 10/20 SEA stn here 1208-1235 w/nx and comment in lang, many mtne of Vientiane, Meo, Pathet Lao. (Ed.)

**USSR** - Rcvd ltr from N. American Svc today signed by Mrs. Lucy Larina. What's become of Mrs. S? (Larry Talbot) Gerry Dexter confirms via phone Mrs. S is still there as of this month, so probably an assistant rather than a replacement. (Ed.)

**SARAWAK** - 5005 kc., Sibu, 1125 talk in Iban by YL, poor with fades. (McNeil)

**CHINA** - Peihai Fishery Station tentatively the one here on 8756 1245-1305+ till clobbered on both sides by utes. Animated YL voice w/orchls, smnt on hr by YL, mx resumes. (Ed.)

**YEMEN** - 7300t, R. Sanaa, hrd 10/13 w/AA chants, tlks on Koran 0310-0325. That abandoned all fqs in favor of 5805 kc. (Rockwood) Easy to tune down to 5805 and ck it out (Ed.) 5805, R. Sanaa noted here from 0325 t/1 OM in AA f/by YL with poss. ID. 15 minutes of songs, with possibly titles in between by YL. Noise lvl terrible. (Morits) Skeded //s.

**ODDS 'N' ENDS** - O. Lund Johansen, founder of the WRTH and HTL died at the age of 83 on Sept. 12 (DSWCI) Those wishing to send get-well cards to DX-Ace Al Niblack, former FS editor now under the weather should use this address: A.R. Niblack, 511 W. Hampton Dr., Indianapolis, IND. 46208. Speedy recovery, Al! (Ed.) You've read the book. You've seen the movie -- now, try it for yourself. The famous Gilfer A-20 LF model preselector. Give your rx a kick in the pants. First \$40 check buys mine. (Ed.) What did you miss by not getting the Mid-month DX Hotline (MM-DXH)? Breaking news on Admiralty Islands, New Hebrides, Oman, Swan, Turks and more. Get with it. For a stinkin' \$3, you can't afford to miss it. Write Mac at NASWA hdqtrs today. (Ed.) Until further notice, tread with great caution through Angolan loggings. Great controversy still rages between the Euro Diers and even Africans down there themselves as to who is on 4970, 4962 et al. Info repeated in Sept. DXH from DSWCI being disputed across the pond, so beware. (73 de rwp)

Unfortunately the list of contributors for LR-C have not been received in time to include, however the following 107 reporters furnished material for LR-A, LR-B and QSL Report. If there are some that may have contributed to LR-C only, we will list them in next month's list.

Larry ABRAHAM, Bridgeport, MI (HQ180A)...Mike AGNER, Waldwick, NJ (SX110)  
Tom ALLEMAN, St. Louis, MO (SX190)...Alan ANDERSON, Hopedale, MA (BC348R)  
David ASKINE, Dover, DE (GR54)...Donald ASTON, Rocky River, OH (SPR4)...  
David BALL, Downsview, Ont., Canada (DX150A)...L. BARBER, Winnipeg, Mant.,  
Canada...Bruce R. BARKER, Midland, TX...Sam BARTO, Watertown, CT...  
Ernie BEHR, Ottawa, Ont., Canada (SPR4/XCR30)...Alan BROOKS, Oakdale, CT  
(DX150A)...Charles H. BRUNNER, Jr., Salford, PA (SW4A)...Ralph CARBONE,  
Queen Village, NY (DX160)...Jon COHEN, Willingboro, NJ...Jack CONOVER,  
Pittsburgh, PA (SPR4)...Editor Kent CORSON, Dubuque, IA (HQ200)...Geoff  
COSLER, Burwood, Victoria, Australia (Trio 9R59DS/Sony CRP160)...David  
COURSEY, Dallas, TX (SW4A)...Royce CRAMTON, Maywood, IL (Grundig RF551)  
William DAVENPORT, Nashville, TN (DX160)...Bill DAVIS, Laguna Niguel, CA  
(Homebrew/HRO500)...Dennis DEAN, Dayton, OH (HQ180A)...Ken DeLONG, Topton,  
PA...Sarah DEUTSCH, Great Neck, NY...Marvin DIAMOND, Baltimore, MD  
(Zenith Transoceanic)...Denny DRISCOLL, Asheboro, NC (SPR4)...Guy DUNN,  
Paramus, NJ (SPR4)...Kenneth EARTHART, Allentown, PA (SX190)...Dave EWING,  
Springfield, IL (HQ120)...Marlin FIELD, Hillsdale, MI (SX100)...Tony  
FIELDS, Kalamazoo, MI (DX150A/SX100/GR54)...Dennis FILKA, Parma Heights,  
OH (DX160)...Adam GAPFIN, Brooklyn, NY (Globetraveler Pro)...Tom CAVARAS,  
Wayzata, MN (HQ180)...John GESELL, Tucson, Arizona (SX130)...Niel GREEN-  
EDGE, Bronx, NY (DX160)...Ciro GUARDUCCI, Cassiar, B.C., Canada (SX190)  
Editor Glenn HAUSER, Enid, OK (HQ160)...Dave HEIMKE, Hubbell, MI (S-77A/  
DX160)...Editor Bob HILL, Berkeley, CA (R390/R390A)...Bobby HOBBS, Rocky  
Mount, NC (DX160)...Charles HOFFMAN, Manheim, PA (DX160)...Bill HOHNSTEIN,  
Lincoln, NE (SB300)...Ray HORWATH, Crest Hill, IL (SB313)...Jonathan HOYT,  
Ledyard, CT...Aaron HYWARREN, Winnipeg, Manitoba, Canada (Marconi AR2A/  
Sony 7R33)...Jack JONES, Jackson, MS (DX150A)...Gladys KELLER, Hinsdale,  
NY (DX150)...Arnold LAUSEVICH, Milwaukee, WI (DX150B)...Alan LAVES,  
Austin, TX (DX150A)...Irving LEFFLER, Brooklyn, NY...Roger LEGGE,  
McLean, VA...Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...Brent LOCHER,  
Troy, MI (DX150B)...Bob MCCOY, Lincoln, NE (DX150B)...Pitt MCNEIL, Wash-  
ington, DC (DX160)...Publisher Alan MAYER, Park Forest, IL (SPR4)...Al  
MILLER, Youngstown, OH (HRO500)...Mark MOHRMANN, Syracuse, NY (1936 RCA  
Victor)...John MORITZ, Youngstown, OH (DX160)...Scott NEWMAN, Lincoln-  
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Bob PADULA, Surrey Hills, Victoria, Australia (Marconi CR100)...Bill  
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St. Clairsville, OH (XCR30)...D. E. ROJEWSKI, Tacoma, WA (DX160)...W.  
Keith RUSSELL, Urbana, IL...Peter SCHIPPELLI, Burlington, MA...Bruce  
SCHOENFELD, Stamford, CT (DX160)...Richard SCHWARTZ, Dover, DE (SX190/S108)  
Karl SCHWARZ, Fort Wayne, IN (DX150B)...Walt SHARE, Cinnaminson, NJ, Ed  
SHAW, San Diego, CA (R390A/HRO500/SP600)...Dan SHINGLER, St. Clair Shores,  
MI (DX160)...Jerry SLAFF, Brooklyn, NY...Chet SMITH, Verona, NY (Real-  
istic Astronaut)...Myron SMITH, Spencerport, NY (SB 310)...Bill SPARKS,  
San Francisco, CA (R390A/R4B/HQ180A)...Asst. Editor Kevin SZOT, Vacaville,  
CA (R390)...Larry TALBOT, Menomonee Falls, WI (SB313/SW717)...John  
TRAUFSCHOLD, Menomonee Falls, WI (SP600/SB313)...Jack TROY, Richmond, VA  
(SPR4)...William TRUBEE, Kealakekua, HI (SPR4)...John TUCHSCHERER, Neenah,  
WI (HQ180/HQ100A)...Joe ULLMER, Denver, CO...Richard VAN WYCKHOUSE,  
Horseheads, NY (DX160)...Philip M. WALA, East Lansing, MI (S-118)...Chas.  
F. WASHBURN, Perry, ME (SB310/SX-130)...Arthur WATSON, Burnaby, B.C.,  
Canada (DX150B)...Steve WATTERS, Fort Wayne, IN...John WEGENER, Godfrey,  
IL (DX150A)...Jim WHITEHEAD, Reading, MA...Robert C. WILES, Wheeling, WV  
(XCR30)...Michael WILLIS, Hampton, Victoria, Australia (Trio 9R59DE)...  
Bill WILSON, San Francisco, CA (SPR4)...Robert YAJKO, Leechburg, PA (DX160)  
Jim ZABRANSKY, Bordentown, NJ (SB-310)...Bob ZILMER, Milwaukee, WI (SPR4).

Also credits to: NUMERO UNO (NU), Kenosha, WI...SWEDEN CALLING DX'ERS (SCDX),  
Stockholm, Sweden...TROPICAL DX NEWSLETTER (TDXN), Washington, DC...UNION  
OF ASIAN DX'ERS (UADX), Piliyandala, Sri Lanka.

\* \* \* \* \*

HELPING HAND: Mike Agner, 19 Grove Street, Waldwick, NJ 07463 is looking for two mica trimmer capacitors, one 4-70pf, the other 4-80pf. Needed to replace trimmers on the high ban (16-34MHz) oscillator/mixer on a Halli-crafters SX110. All correspondence will be answered, and please state price.

NASWA ANTENNA/ACCESSORIES SURVEY \*\*\* PART 6

Compiled and edited by: Neal A. Perdue, WDX4NAP  
 Rt.1, Box 92-B  
 Falkville, Ala. 35622

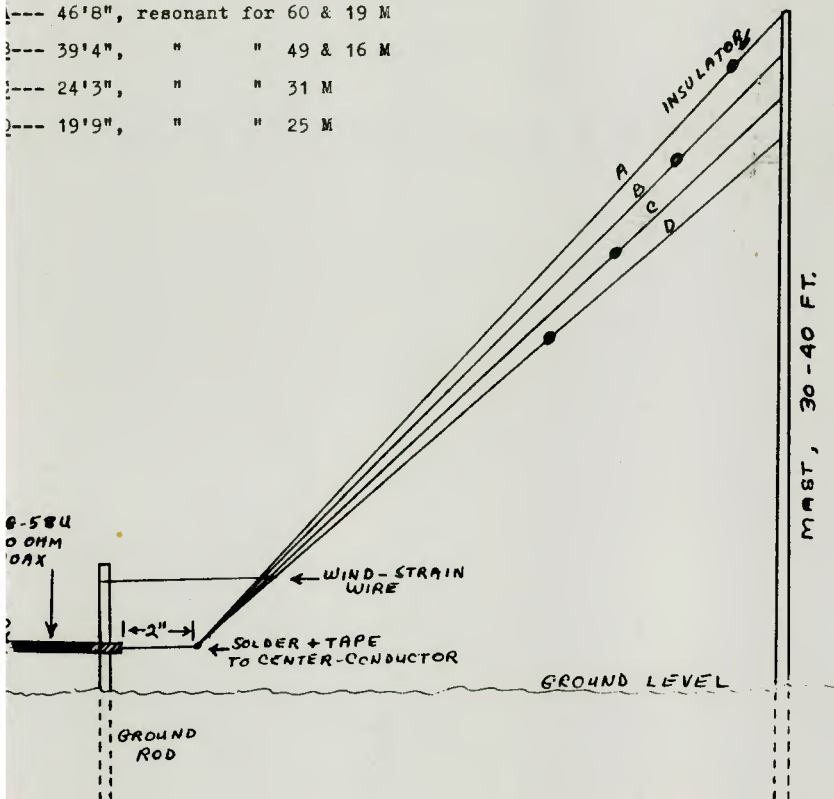
SPECIAL BONUS- A Multiband Wire Antenna

This is a re-run of an article by this editor which appeared in Feb. '73  
 ENDX. On the bands covered, this antenna is comparable with the SWV-7.  
 This is not too surprising, since the latter uses L/C traps and the home  
 brew model described here uses the quarter-wave ground-plane principle  
 which is superior since there are no losses involved. This is a GOOD  
 limited-space antenna for the bands covered, and shouldn't cost more  
 than \$5-6 if you can come up with some used poles or use a tree for the  
 vertical mast. While it is designed for the six bands listed, it is not  
 to be considered useless for other freqs. It does not require a tuner.  
 Additional bands may be covered by adding wires using the formula: 234  
 divided by the mid-band freq in Mhz. Third-harmonic relationships are  
 used to advantage, as in the case of wires A and B. This is the only in-  
 stance in electronics that I know of where you get something for nothing.

Construction notes: the easiest way to connect the bared coax braid to  
 the ground-rod (should be six feet or more down) is to use a hose clamp.  
 Semivertical wires should be enameled, or at least insulated. When trimm-  
 ing coax, be sure to cut off excess braid so that it cannot short against  
 the center-conductor. If two trees are available, a horizontal wire can  
 be strung between them and be used as the support in place of the mast.  
 If most of your listening is on the bands covered, this is a FB antenna.

16 thru 60 Meter Antenna (except 41 Meters)

- 46'8", resonant for 60 & 19 M
- 39'4", " " 49 & 16 M
- 24'3", " " 31 M
- 19'9", " " 25 M



# NASWA

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

NASWA'S dues are \$13 per year for members in North America, and for delivery via First Class Mail. Overseas dues are the same, but airmail is available for an additional fee. The following is the additional fee for overseas airmail: Central America, the Carribbean, South America and Europe \$7; Asia, Africa and the Pacific \$9.

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 St., Apt. 416, Libertyville, Ill. 60048 USA. One issue of the 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 per year in North America. It is airmailed overseas for \$5 per year. These fees are, of course, in addition to the annual membership dues.

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

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

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

## DX HOTLINE

Reports to the individual sections should go directly to the editors listed below:

SHORT WAVE CENTER—*Jerry Lineback, P.O. Box 325, St. Joseph, IL, 61873*  
QSL REPORT—*William E. Oliver, 45 Wildflower Road, Levittown, PA 19057*  
SCOREBOARD—*Neal Perdue, Route No. 1, Box 92-B, Falkville, AL 35622*  
LOG REPORT (A)—*Bob Hill, 1626 Bonita Ave., Berkeley, CA., 94709*  
LOG REPORT (B)—*Kent C. Corson, 2269 Graham Circle, Dubuque, IA 52001*  
LOG REPORT (C)—*Andrew Robins, 2724 Fleetwood Dr., Kalamazoo, MI 49008*  
LISTENERS NOTEBOOK—*Glenn Hauser, 1312 West Oak, Enid, OK 73701*  
AWARDS CHAIRMAN—*Dan Henderson, 317 Brock Bridge Rd., Laurel, MD 20810*  
COUNTRY LIST CHAIRMAN—*Don Jensen, 5204 70th St., Kenosha, WI 53140*  
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