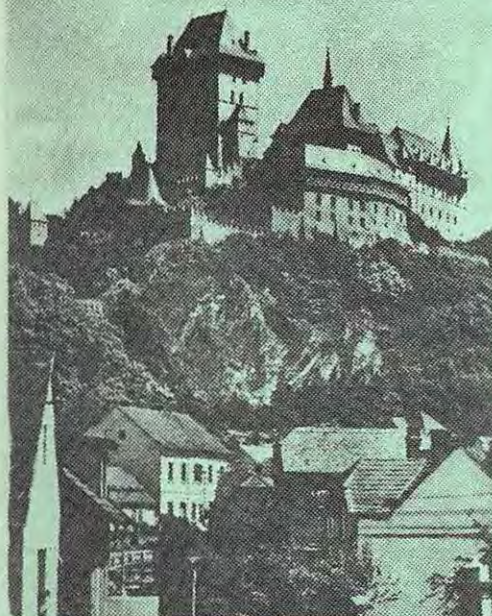


# FRIENDX

## RADIO PRAHA



### RADIO PRAGUE DAILY ENGLISH LANGUAGE BROADCASTS

#### GREAT BRITAIN AND IRELAND

16:30 - 16:57 GMT	19:00 - 19:30 GMT
5.930 mHz 49 mb	5.930 mHz 49 mb
7.345 mHz 41 mb	7.245 mHz 41 mb*
	7.345 mHz 41 mb

\* beamed to eastern Mediterranean area

20:00 - 20:27 GMT	21:30 - 22:00 GMT
5.930 mHz 49 mb	1.286 mHz 233.3 n
7.345 mHz 41 mb	6.055 mHz 49 mb

#### NORTH AMERICAN SERVICE

01:00 - 01:57 GMT	03:00 - 03:57 GMT
5.930 mHz 49 mb	5.930 mHz 49 mb
7.345 mHz 41 mb	7.345 mHz 41 mb
9.540 mHz 31 mb	9.540 mHz 31 mb
9.630 mHz 31 mb	9.630 mHz 31 mb
9.740 mHz 31 mb	9.740 mHz 31 mb
11.990 mHz 25 mb	11.990 mHz 25 mb

To send reception reports, questions and comments and all correspondence, write to:

Radio Prague English Language Broadcasts  
Prague 120 99  
Czechoslovakia



PRAHA  
Hradčany  
The Castle

LETADEM  
PAR AVION

RADIO PRAHA  
PRAGUE 2, CZECHOSLOVAKIA

#### DEAR RADIO FRIEND,

Thank you for your communication reporting reception of our transmission

on Nov. 16, 1974

at 01:00

GMT.

We have checked your data with our log and take pleasure in verifying our programme heard on

7,345

GOOD LISTENING AND 731

PRAHA



RADIO PRAHA



Welcome to 40 new members joining during June. We hope they find their new membership to be helpful.

- |                                       |                                       |
|---------------------------------------|---------------------------------------|
| ALPERT, David, Wheeling, IL **        | LAMPEN, Chet, Wyoming, MI             |
| ANDERSEN, Peter M., Rochester, NY     | LEDFORD, John Wayne, Brigantine, NJ   |
| BACH, William A., Media, PA           | LUKOSAVICH, Mark, Cuyahoga Falls, OH  |
| BAKER, Alan D., Seaford, DE           | MASON, Ken, Jr., Minneapolis, MN      |
| BEU, Michael N., Austin, TX           | MILLS, James, Turks & Caicos Islands  |
| BRESLOW, Morton, Conshohocken, PA     | MOYER, K.A., New Port Richey, FL      |
| COOK, David B., Venice, CA            | O'DONNELL, Jeffrey D., Mineral Pt. PA |
| DEILER, Michael K., Belle Chasse, LA  | PRESCOTT, Grant, Carmel, CA           |
| ERWIN, Woodrow, Houston, TX           | SCHAERRER, W.C., Kansas City, MO      |
| FELDMAN, Douglas, Mahwah, NJ          | SENSIBA, Lawrence, San Antonio, TX    |
| FEUER, Renee B., Philadelphia, PA     | SIMPKINS, William, Yorba Linda, CA    |
| GEMELING, Scott D., Miramar, FL       | SNIDER, John, Goshen, IN              |
| GOBENA, Temesgien, Alexandria, VA     | STAROBIN, Robert J., Great Neck, NY   |
| GOODWIN, David W., N. Vancouver, B.C. | TEMPORALE, Pat, Waterbury, CT         |
| GRAMAROSSA, John M., Chicago, IL      | UGAZ, Oscar G., Tonawanda, NY         |
| JACKS, James S., Elsmere, KY          | UTTER, Blaine B., North Chili, NY     |
| KNORR, Ken, Des Plaines, IL           | WETTACH, Lawrence A., Fair Lawn, NJ   |
| KOLHAGE, Danny L., Key West, FL **    | WHEELER, Frank C., Andover, KS        |
| KONTOS, Sam N., Kent, WA              | WOLFINGER, Harold W., Buena Park, CA  |
| KRETSCHMER, Paul A., Mitchell, SD     | ** Nice to have you back              |
| KUTACH, Tim, Austin, TX **            | as a member of NASWA                  |

\*\*\*\*\*  
DX LIMERICKS  
 \*\*\*\*\*

A DXer whose name you don't know,  
 Thought "This is the end of the show,  
 I've logged shortwave stations,  
 From two hundred nations,  
 And I haven't much further to go".

Of R. Clarin I'm a supporter,  
 I tape them on my tape recorder,  
 And I also dig lingo,  
 From Santo Domingo,  
 Intended for south of the border!

A DXer who lives in Centralia,  
 Considers himself just a falia,  
 For he can't get Jakarta,  
 Though he knows he arta,  
 And it's only S-9 from Australia

A novice DXer named Frost,  
 Has a cheaper receiver than most,  
 When he keeps to one setting,  
 He knows what he's getting,  
 But when QSY's slightly, he's lost!

There once was an erudite fellow,  
 Who knew how to pronounce Deutsche Welle,  
 When someone asked how,  
 He said, "Easy, now;  
 Three beers and your tounge will be mellow!"

Blame all of these on John Lackmann, Lexington, VA

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LAST CALL FOR THE NASWA DIRECTORY: Last month we mentioned that the 1978 NASWA directory was at the printers. The directories have been received and all orders received thus far have been mailed out. As mentioned, we did not have a large supply printed, so we can make this final announcement of it's availability.

This 36 page directory contains the names and complete addresses of the membership (except those persons who did not wish to be listed) as of June 1, 1978. Those who have not ordered and would like to receive the directory should order immediately. Members in the United States should send .50¢ in coins, money order or mint stamps. Members in Canada may send Canadian currency, or money orders in U.S. funds, but stamps are not acceptable. Overseas members may obtain a copy by airmail by sending five (5) International Reply Coupons (IRC's).

NASWA RADIO COUNTRY LIST AND AWARDS PROGRAM: The NASWA Radio Country List pamphlet mentioned last month is at the printers and should be available for distribution soon, so we can now begin to accept orders for it. There will be no charge for it other than for postage.

This twenty page pamphlet contains the revised radio country list, station counting rules, a check list, and a complete outline of the NASWA Awards Program.

Members in the United States may obtain a copy of this pamphlet by sending a minimum of .28¢ in coin or mint U.S. stamps. Canadian members should send a minimum of .30¢ in Canadian coins, but no Canadian stamps. Overseas members should send three (3) IRC's for surface delivery, or six (6) IRC's for airmail.

Country List Chairman Don Jensen asks that we remind everyone that people not write him for copies of the pamphlet since he will not be involved in the distribution, but he will be happy to answer questions about the list itself, providing a SASE is sent with any inquiry.

The NASWA Country List and Awards Program has been very popular with the membership, and we are glad that we have been able to update this and make the new pamphlet available.

DOMESTIC DX POLL: Dan Brame, 4051 Crestwood Drive, Northbrook, IL 60062 would like DXers to send him cards telling him your three favorite domestic SW outlets, that is, any station that specifically beams to national audiences. He will report the results in a later bulletin. Those interested in participating should send their cards to the address given, and marked "DX Poll-G".

SAN DIEGO DXERS CLUB FORMING: Larry Brookwell, 1826 Cypress, San Diego, CA 92154 is recruiting area DXers to form a San Diego DXers Club. There will be no membership fee, and a monthly bulletin will be available for a large SASE. Those area DXers interested should contact Larry at the address given.

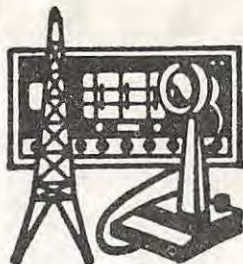
NEW FRENDX EDITORS NAMED: As mentioned last month, David Walcutt is taking over from Greg Ravenhorst as the Log Report distributing editor, but will also continue as LR-D editor through the September issue.

We are pleased to announce that starting with the October issue Robert R. Brown, Sr., Youngstown, Ohio will take over as the LR-D editor. Several others expressed interest in the job, and we appreciate their interest. The July FRENDX featured a new section to be edited by Diane Lévesque, P.O. Box 2573, Carbondale, IL 62901 and will become a regular feature providing support is sufficient to make it a regular feature.

Diane's column will feature a spotlight on women's activities inside and outside the club as related to the hobby. A second feature will be devoted to various music programs and the like as related to the SW scene.

We hope her column will be well supported, and we are glad to have a member of the opposite sex on the FRENDX staff.

# Shortwave Center



JERRY A. LINEBACK, Editor  
P. O. Box 325  
St. Joseph, Illinois 61873

AUGUST 1978

We are happy to have you with us for another fine month of news and loggings. The full heat of summer is with us now and with electrical noise at its peak on the SW bands, your best DX may be the BBC booming from the portable by the pool or in the back yard. But Fall is only a short time away. I have been rearranging my shack and upgrading the antennas this summer. Perhaps you can amuse yourself during the summer doldrums by writing an article for SWC. Keep the material coming.

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## FRG-7000

YAESU FRG-7000

Perry Ferrel, Gilfer Associates  
P. O. Box 239, Park Ridge, NJ 07656

The new Yaesu FRG-7000 is being introduced this summer. Advance information and test results indicate that the 7000 is about equal to a Drake SFR-4 and a little better than a FRG-7 with digital meter added (the Gilfer GAR-7). The receiver is 20 mm wider, 10 mm deeper and 28 mm less in height than the FRG-7. There is no DC operation and no battery pack. A new planetary dial drive for kHz has been used and the main tuning knob has a finger recess rather than a crank.

The main feature of the 7000 model is the built in digital frequency readout to 1 kHz. There are no obvious birdies or spurs and the readout is bobble-free and very steady. The tuning range has been increased by extending it down to 250 kHz. The LF and ECB appear to have better overload characteristics than the FRG-7 in its "A" range. There is a single 10 dB attenuation step and a hi-cut rotating tone control.

The 7000 has a built in LED clock reading down to the second and can be switch selected to read local or GMT, and has a turn-off-turn-on timer capability. The clock operates as long as the receiver is plugged in and returns to zero when the plug is pulled.

Improvements were made to stabilize the BFO and improve the SSB with a 3 kHz filter, little attention was given to AM selectivity which is still 6 kHz at -6 dB and 20 kHz at -60 dB. Gilfer will market only a modified FRG-7000, incorporating their 4 kHz filter.

We hope for additional information later. Meantime, Gilfer is offering advance sales at a price of \$576.00 plus shipping for the modified receiver. Write them for details or call 201-391-7887.

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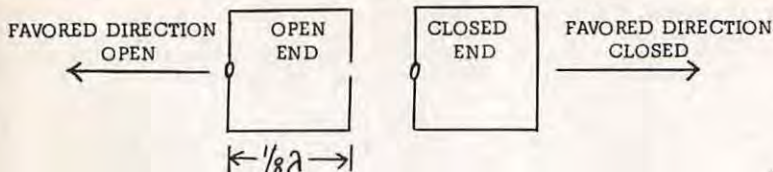
## Antenna

A SMALL ANTENNA FOR 60 METRES

by Ray Steen, Seattle WA

With my 60 metre DX hopes having taken it on the chin by the disappointing results of the SLINKY antenna, I had to cast around for another solution to the problem of a physically small antenna for the lower reaches of the shortwave spectrum. There seems to be a nearly endless supply of ham literature on the shortened vertical antenna, but that type of aerial had to be ruled out because of its reputation, supplimented by my own experience, for noise. Hope dawned anew with the discovery of a short, one page article in the ARRL Antenna Book, page 64, on the  $\frac{1}{2}$ -wave loop.

It is very simple. Just bend an ordinary  $\frac{1}{2}$ -wave dipole into the shape of a square. The field strength is maximum in the plane of the loop, and the favored direction is selectable by opening or closing the loop as indicated by the diagrams. Comparing this antenna to the  $\frac{1}{2}$ -wave dipole from which it is made, the field strength in the optimum direction is down 1 dB, and



the lobe is not so pronounced, so that this antenna is somewhat omnidirectional (when placed horizontally). It is not recommended that the closed configuration be used because then the impedance at feedpoint will be several thousand ohms. If the end is open, the impedance is around 50 ohms, making a nice match for conventional feedlines. Evidently this antenna can be placed vertically, but then it will have nulls at broadside. Also, it can assume the shape of a diamond or a triangle. Very flexible.

All of this sounded very promising. A 96 foot dipole collapsed into a 24 foot square with only a negligible loss in gain is just what the doctor ordered, and I resolved to try it. My apartment is in a big, old, and irregularly contoured house, so that my loop came to be placed horizontally on the roof (my landlord is an agreeable fellow), in the form of an isosceles triangle as determined by the geometry of the roof, using two dormers and the roof peak as the three supporting points. Starting with a total length of about 96 feet, as determined by the formula:  $l = \frac{468}{f}$  I used a Palomar noise bridge to find the right length

for resonance at 4.9 MHz. The final dimensions came out to a 38 foot base and 28 foot legs, or an overall length of 94 feet. The favored direction is from the west. A coax feed is used.

My antenna is certainly too low, is lost in a sea of nearby objects, and with an impedance of 28 ohms at feedpoint, as determined by the noise bridge (the low impedance owes no doubt to the low antenna height), is mismatched to the transmission line. Nevertheless, the results have been most gratifying. For the first time ever I can rely on getting readable signals from Indonesia and Malaysia on the 60 metre band. Good enough to listen regularly to the news in English from Kuching at 4950 kHz. At the same time this antenna has proven adequate for general listening on the other shortwave bands from all directions.

It would appear that this antenna is not very well known, because in my half-dozen antenna books, featuring such well known authors as Orr and Noll, the article mentioned above is the only one I can find on the subject. I think the  $\frac{1}{2}$ -wave loop dipole deserves a better press as a good antenna for a small space.

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## RACAL

RACAL RA-17: THE ULTIMATE or JUST ANOTHER OLD RECEIVER?

by Bill Whitacre, Lansing MI

Ever since I started this crazy hobby, "way back" in 1969, I've always wondered - and still wonder-what the best receiver available is! Well, I've still not found the answer, but I'm getting closer and in my infinite search for the best I've had a chance to use some pretty impressive rigs.

I suppose my yearning for an RA-17 started way back in an old issue of Popular Electronics, where I saw a picture of Gregg Calkin seated in the CBC monitoring post in Ottawa, surrounded by Racals. Gregg looked to be in DXer heaven. I was impressed - with all those knobs and as big as it was, that radio had to be something else. It took quite a while, but through contacts and a diligent search of "Ham Trader" and QST I finally swung a deal. Strange thing was, I didn't even do much work - the fellow that had the radios called me! He not only had one RA-17 for sale, he had two! and made me a price I couldn't refuse. Besides, the gentleman already had two RA-17's working in diversity reception so he didn't need two singles anymore. After a long, nervous wait, I finally called the place here in town that was supposed to be receiving the freight. Sure enough, they were there - and probably had been for who knows how long-setting "out on the dock" in the dead of winter, freezing to death. After my last class at MSU that day I hightailed it over there and after paying a modest \$30 shipping bill, loaded the 150 pound crate into the trunk, roped it down, and whipped on home. Fortunately Mr. X sure knew how to pack things and the receivers were in excellent shape.

Now, after having "worked with" (one does not play with the likes of these receivers, hi) the receivers I thought I would let you all know the results in this nontechnical review. For performance comparisons, I'll base my observations on my experiences with the R-390A, due to its similar mechanical design and appearance and the Drake R-4B, my main and favorite receiver.

**PHYSICAL FEATURES:** The receivers I got were built sometime in the early '60s and originally owned by the U. S. Navy! (that's one bid Collins lost). For that reason they're designed for rack mount and have dust covers on bottom and top. The first thing I noticed about the receivers is the beautiful robin-egg blue front panel and the rather original way the British used to

put on some of the knobs. Right there in front, on the end of the knob, is an allen-wrench hole used to tighten on the knobs - works well too. Upon closer examination one will find that the RA-17 is famous for - the die-cast aluminum chassis. Not even the R-390A can boast that. I'm not sure how easy or hard it makes servicing, but it sure makes for added strength and ruggedness. When you take a look at the back panel, you'll see similar things as you would on the R-390, i.e. a lot of jacks for inputs and outputs. You can get out just about anything you want from the receiver: there are about 6 different audio outputs and all sorts of RF/IF inputs and outputs. This is what jacks the price up some on these classy receivers, not the performance alone (as this is presumed to be excellent) but the flexibility of the receiver, that is what it can do besides receive signals. All in all, this receiver has a lot of design time behind it and it shows. It is much less cluttered, lighter by 15 pounds and the tuning mechanism is not nearly as complicated as that of the R-390.

**SPECIFICATIONS:** Before we get into the novelty of left-handed tuning and the Barlow-Wadley circuit, lets take a look at the receiver's specs. From the picture of the front panel, one can see most of what he would like to know. Down in the lower left of the panel, we have the -6 dB selectivity points of .1, .3, 1.2, 3, 6.5, and 13 kHz - a very impressive arsenal. Considering the fact that all these filters are derived from simple LC type filters, except the .1 and .3 which use crystal lattice techniques, and equally impressive result is the -60 dB points of 1.5, 2, 8, 15, 22, and 35 kHz respectively for the filters above. These are for 18 dB signal to noise ratio and would be even better for the now conventional 20 dB signal to noise ratio used in most modern specs. Frequency of the receiver is 980 kHz to 30 MHz, which will be a disappointment to the BCber. This lack of coverage is partially made up for with the excellent sensitivity this receiver has on BCB. So hot is the BCB that you'll probably have to use some RF attenuation (knob on the lower right of the front panel) and judicious tuning of the "RF Tune" knob (just below the S-meter) which acts like a preselector. The receiver, of course, has a 100 kHz calibrator and excellent intermodulation and cross modulation characteristics too. The effective scale length of each 1 MHz band is 145 feet! This, according to the manual, gives you 6 inches of scale for every 100 kHz! For not having any form of vernier tuning, this receiver has an immensely spread-out scale and accuracy of 1 kHz with interpolated accuracy of .5 kHz. The receiver has a fairly accurately calibrated variable BFO which, once set, is quite adequate for SSB reception and makes suppressed carrier reception almost enjoyable.

**TUNING:** As you know, the RA-17 was the first receiver to use the Barlow-Wadley loop circuit for tuning. I won't go into the details of this principle as it was discussed recently in an article in Shortwave Center. The end result is a very independent kHz and MHz dial. Thus the front panel of the RA-17 looks very much like that of the R-390, but don't be fooled. While you crank on the damnable R-390 MHz dial, thus retuning your IF for each band, on the RA-17 you can just give the MHz dial a spin and turn the "RF Range" knob to the appropriate band. That feature alone is worthwhile to this lazy DXer - I must have gained an inch on my triceps while using the R-390A. Once you get the band tuned you might want to check and make sure your MHz dial is in the signal well for best reception - what this receiver needs is an LED tuning light like the FRG-7, but when this receiver was built they didn't even have LED's so . . . Oh, I almost forgot, the tuning on this beast is indeed backwards; when you turn the dial right the scale goes left! After the initial annoyance this is really no problem.

**OVERALL:** In overall performance, I'd have to rate the R-4B first, the RA-17 a close second and a properly operating R-390A (which I've yet to find) a fairly close third. This is based on a similar law to that of heavyweight boxing - once a "champ" (the R-4B) is established, it'll take a far superior performance by the challenger (the RA-17, et al) to bring him down! Thus this attitude is about halfway between objective and subjective - but seems to work. Anyway, how about some pros and cons comparisons between the receivers:

**AUDIO:** In this category the R-390A has to come in first (Collins has long been noted for excellent audio in all of its products) with the RA-17 a close second and the R-4B a distant third. Fortunately this is one of the only serious faults of the "super B".

**SENSITIVITY:** Here the RA-17 is very close to the R-4B, with the "B" falling off a little at higher frequencies. The R-390A is fairly sensitive and really demands a good antenna, but also falls off a little at the higher frequencies. The R-4B, though is easily the best at separating stations and picking out what you want to hear from the noise and interference on the band (though this sounds like selectivity, it's not really).

**SELECTIVITY:** I was never that thrilled with the mechanical filters of the R-390A. While they do their job well, it seemed that they would allow the audio peaks on strong adjacent signals into their pass band, which is very annoying. For this reason, and thanks to the R-4B's pass-band tuning and notch filter, I'd rate it #1 and the RA-17 tied with the R-390A at #2.

**SPURIOUS RESPONSE/INTERMODULATION:** None of the receivers mentioned had any problems with intermodulation or spurious signals. The RA-17 can through overload on very strong signals on the BCB. For this reason only, I would rate the RA-17 only slightly less than the R-390A and the R-4B on this count.



three numbers into the calculator. The key to the system is to do all the tuning with the bandspread dial using the 80 metre ham band scale found on most good receivers. This may sound strange, but there is a very good reason for it.

We SWLs are accustomed to using the "logging" scales on our receivers for calibration purposes. But though a logging scale is a useful reference with which to set the main tuning dial, using one on a bandspread in order to calibrate a pre-set range of frequencies is of dubious value. The reason is that these scales are arbitrary, bearing no relationship to frequency. A logging scale is evenly spaced, but variable capacitors tune more kHz per given amount of twist at one end of the dial than the other. This is why our calibration graphs are curves and not straight lines. However, a calibrated ham-band scale has its divisions arranged to compensate for this non-linearity. Though the actual calibration of the 80 m scale is valid only on 80 m, each dial division will represent a fairly consistent number of kHz within any band. In other words, the 80 m scale bears a proportional relationship to frequency - one that can be found by simple multiplication or division. That is where the calculator comes in.

To set up your receiver to use my system, you need to make a simple chart listing the frequency and dial setting for each 100 kHz multiple within the SWBC bands, and the number of kHz per dial division within each 100 kHz segment. So warm up your receiver, and while you are waiting, get a piece of paper and draw three columns on it. Now take a look at your bandspread dial. You will notice that the 80 m scale covers all or most of the bandspread's range, and runs from 3.50 to 4.00 MHz. We will use only the numbers to the right of each decimal point, and for our purposes, 3.50=50, 3.60=60, and so forth up to 4.00=100. This establishes an easily readable scale running from 50 to 100, with each .01 MHz dial division representing one unit.

With that understood, and assuming your receiver is warmed up and in good alignment, you are ready to make your chart. To show you how to do it, I will use my own figures for the 49 m band, but the procedure is identical for any band. One hint - for best accuracy, always make your final tuning adjustments to a frequency from the same direction. This minimizes the effect of any play in the dial mechanism.

Set the bandspread dial to 100. Center the BFO in the receiver passband, then turn on the calibrator. Using the main tuning dial only, find the 100 kHz marker at or just above the top of the band. For 49 m it is 6200 kHz. Finding a station of known frequency and then disconnecting the antenna and counting markers as you tune upward can be helpful. Once you find this top marker, zero beat it with the BFO. Note down the setting of the main tuning dial at the top of your chart. From now on, leave the main tuning dial exactly where it is as you are using it as a kind of bandswitch, and will return to this setting each time you tune the 49 m band.

Now, using the bandspread, tune downward until you find another marker. Zerobeat it with the BFO and note down the frequency and dial setting in the first two columns of the chart. Repeat this procedure until you reach the bottom of the band.

The first column of the chart serves a dual purpose. Not only are the figures marker frequencies, they also identify the beginning of a 100 kHz segment within which the corresponding figures will be used. For example, to find any frequency between 6000 and 6099 kHz, we will use the figures next to 6000.

Now you are ready to fill in the third column, which is the number of kHz per dial division within each 100 kHz segment. For brevity, I call it 'k'. To find each k, use the calculator as follows. For each segment, subtract the dial setting of the appropriate marker from that of the marker just above it. This will give you the number of dial divisions in the segment. Then divide 100 by this number, and round the result to two decimal places. Write the result into the k column. Do not, of course, try to find a value of k for 6200, as this is your upper limit, not a segment.

Here are my figures:

For 6100:  $100-82=17.8$ ;  $100 \div 17.8=5.61798$ ; rounded 5.62  
 For 6000:  $82.2-65.5=16.7$ ;  $100 \div 16.7=5.98802$ ; rounded 5.99  
 For 5900:  $65.5-50.0=15.5$ ;  $100 \div 15.5=6.45161$ ; rounded 6.45

The completed chart will look something like this:

49 metres - main tuning dial at 35.5 (log scale or 6200 kHz)

SEGMENT	DIAL MARKER	K
6200	100.0	-
6100	82.2	5.62
6000	65.5	5.99
5900	50.0	6.45

Similar charts should be made for each band.

Now that you have accumulated all those numbers, here is how to use them. Each time

you begin to tune a band, use the calibrator and your BFO to return to the exact setting of the main tuning dial at which you obtained your figures. Make sure the bandspread is set at 100 when you do this. Then tune using the bandspread dial only. Suppose you want to find the Swiss Broadcasting Corporation at 6165 kHz. Since it is in the 6100 kHz segment, use the figures opposite 6100 in the chart. Enter the last two digits of the frequency into the calculator and divide by k. This tells you how many divisions above the 6100 kHz marker the SBC is. Add the dial marker of 6100 kHz, round to the nearest tenth, and that is your bandspread setting. On my receiver, this would work out to  $(65+5.62)+82.2=93.7658$ , rounded to 93.8. So I set my bandspread to 93.8 (3.93 plus 8/10 of a dial division, and the SBC comes rolling in!

Thus to find the dial setting of a specific frequency, the calculator routine is:

LAST 2 DIGITS OF THE FREQUENCY + k + DIAL MARKER =

To find the frequency of an unknown station is equally simple. Let's say I have tuned to a station that is alternating segments of Dvorak's Slavonic Dances with pronouncements about the importance of the February 1948 Revolution. My bandspread is set to 54.7. Since that setting is above 50 but less than 65.5, a glance at the chart will tell me that the frequency is in the 5900 kHz segment, i.e. it is 59???. To fill in those question marks in the last two digits, I enter the dial setting and subtract the setting of the 5900 kHz marker. This gives the number of dial divisions above that marker to which the dial is set. I then multiply by the corresponding k, round off all decimal places, and I have my last two digits. My figures  $(54.7-50) \times 6.45 = 30.315$ , rounded to 30. The frequency of our revolutionary friend is therefore 5930 kHz, and a quick check of Log Report will identify it as Radio Prague.

Thus, to determine the frequency of a dial setting, find the segment it is in by looking at the chart. This gives you the first two digits (three above 10 MHz). For the last two digits, the calculator routine is:

DIAL READING - DIAL MARKER x k =

The accuracy of this method varies with the band in use, being best at lower frequency positions of the bandswitch and main tuning capacitor. I have personally encountered no trouble finding a station of known frequency up to 18 MHz. A little experimental tuning using known stations will quickly tell you how much rocking back and forth of the dial you might expect to do on each band to find a station that isn't right on the mark indicated by the calculator. My receiver is accurate to within 1 kHz on 49 m, and with care, I can determine the correct 5 kHz channel on 25 and 16 m, the least accurate bands I regularly use.

Before trying to calibrate your receiver, it is a good idea to check the accuracy of your 80 metre scale. To do this, set up your receiver for 80 m reception and tune down the band with the calibrator on. At each marker note how much error there is in the bandspread reading, and then adjust both tuning dials so that the dial reads correctly at zero beat (BFO on). If the dial is accurate, or if the error for each segment is consistent to within one dial mark, this method will work. If not, it won't.

The main advantages of my system are that it is fast, and the results are displayed in plain, unambiguous numbers. Don't let the arithmetic throw you - the calculator does it all. The system will also allow you to accurately tune frequencies you don't often use - out of band BC or utility stations, for instance. All you have to do is calibrate for two adjacent 100 kHz points and find k, and you can then determine any frequency between them.

To conclude, though my method is by no means as good as digital readout, it is practical and inexpensive. It has enabled me to continue using a fine receiver of the last decade and still tune with confidence. Perhaps it can do the same for you.

\*\*\*\*\*

## Sony CRF-320

THE SONY CRF-320

by Rita Vermetti, Kwajalein, Marshall Is.

I just had a dream come true. I purchased the Sony CRF-320 32 band "Horizon Master" receiver.

The receiver has 29 shortwave bands plus LW, MW, and FM bands. It has dual conversion on the shortwave bands. The LED display counter allows tuning to within 1 kHz on SW bands. It also has USB, LSB, and CW modes. The noise blanker eliminates noise interference on SW and muting eliminates noise between FM stations. The receiver has a quartz crystal clock that is accurate to  $\pm 10$  seconds per month and turns the radio and tape recorder on and then off after 100 minutes. The clock has zero adjust plus LED one second indication. The receiver also has RF gain control, FM muting, and AFC switches.

There are separate volume, bass, and treble controls. Also an adjustable tuning dial for calibration with LED frequency counter and tuning/battery check meter. There are separate telescoping antennas for SW and FM and a ferrite bar antenna for LW and MW with

inputs for external antennas. I am presently using a 100' longwire antenna. The receiver has inputs for tape recorder playback and monitoring and for external 12 VDC battery power supply.

The receiver has solid state circuitry with 19 ICs, 17 FETs, 80 transistors, 5 crystals (including the clock) and a 5 digit LED display for the SW frequency counter. The ranges covered are FM-87.5 to 108 MHz, 530-1605 kHz MW, 150-400 kHz LW, and SW from 1.6 to 30 MHz.

I must agree with its name, it is the Master of Receivers. (List price is about \$1695)

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PIRATE RADIO - EUROSTYLE

Information via Sam Barto, Watertown CT

# Europirate

Although landbased pirate radio has been around on the shortwaves for a long time, it seems that the "happenings" occurring in the 49 metre band in Europe really got off the ground during 1972. It was at this time, when the only regular pirate station on the air was World Music Radio, that Radio Gemini began. I would like to think that since that time, Radio Gemini has made a fair name for itself and most "pirate" DXers have heard or at least heard of the station.

Radio Gemini began in November 1972 and was then run by only two people. The same is true today although considerable changes have occurred during the past 5 years. Time has shown that even good stations like WMR or ABC Europe find it difficult if not impossible to keep going indefinitely, and each station has different problems associated with its operation. In the case of Radio Gemini, there is no lack of enthusiasm, but the time and effort needed to keep the station going is always getting harder to come by.

At the beginning of 1973, we had two transmitters operating from two different sites and the station was on the air for one hour a week - every sunday between 1000 and 1100 GMT. Each transmitter broadcast one half of the programme - the first from 1000-1030 and the second from 1030 to 1100. By operating this way we managed to keep on the air for just over one year, which is not bad considering that the same two sites were used every week. Because the programmes contained numerous offshore radio extracts - known as "Gems", the station developed a sound that I do not think has yet been duplicated. It seems that people like to be reminded of the old offshore days, and the fact that we had some old offshore recordings made by ourselves during the 1960s, was one of the main reasons for starting the station.

Anyway, 1973 was about to draw to a close, when early in December the dastardly BPO raided one of our sites. The raid and ensuing court case taught us a great deal about how not to operate a landbased radio station, and the 130 Pound fine gave a great incentive to avoid being caught in the future. The loss of our permanent sites meant we could no longer broadcast regular programmes, and since that time, broadcasting has only been possible when a new site is found and the relevant programme recorded. Our shows have always been pre-recorded because this enables the expensive studio equipment to be kept out of harms way while the station is on the air. At the present time, Radio Gemini is only on the air on average about once every 6-7 weeks, and the effort that goes into each operation is considerable. All the transmitting equipment is set up at the chosen site a day or so before the actual programme date, and is automatically switched on and off by electric time clocks. This means that there is normally no one at the site during the broadcast. If the site is raided, the equipment would on course be lost, but no fine would be incurred.

One vital factor influencing the existance of Radio Gemini, is of course the listeners. We have always had an enthusiastic response from our listeners, and without this the station would have stopped a long time ago. Hopefully, Radio Gemini will still be around for some time to come, but only time will tell. In the mean time, I hope that what the station lacks in quantity, it makes up for in quality, we have always believed in keeping the transmitted programme quality as high as the home built equipment will allow. Try tuning our way next Sunday - 6230 - in the 49 metre band. We may not be there, but if we are, I guarantee that the programme will be worth listening to.

(Editors note: R. Gemini is, of course, receivable only in the UK and nearby parts of Europe. Pirate radio broadcasts as described here are illegal in both the UK and US.)

EUROPEAN MUSIC RADIO

BROADCASTING :-  
FROM EUROPE  
TO EUROPE  
ON 48 METERS

ADDRESS :- KENT PLACE  
NORWELL  
NEWARK  
NOTTS  
ENGLAND

320N 41 METRES

Dear Listener,

Thank you for your recent enquiry regarding EMR, we are pleased to have received your letter. Here is some information about ourselves which we hope you will find interesting.

European Music Radio was first heard on the Air during May 1976. These transmissions were on a weekly basis, run by a group of enthusiasts who felt that they could provide a service of music and information to all short wave listeners. After a series of test transmissions, EMR opened with a full schedule service on the 22nd of May 1977. This full service consists of a DX programme, a Mail Box programme, the Free Radio Spot and various musical programmes from other countries.

We think that our recent success on the Air is due only to your response as a Listener. EMR has received many reception reports from a variety of countries which includes Denmark, East and West Germany, Belgium, Holland, Sweden, Norway, Finland, France, Switzerland, Ireland, United Kingdom and many more.

EMR TRANSMITS EVERY 3RD. SUNDAY IN THE MONTH

PROGRAMME SCHEDULE

ALL TIMES IN G.M.T.

WINTER TIME

SUMMER TIME

10.00	FLASH BACK SHOW WITH BARRY STEPHENS (PLUS THE FREE RADIO SPOT)	9.00
10.30	A.J. DX PROGRAMME ON EMR	9.30
11.00	MAIL BOX PROGRAMME WITH ROGER TATE	10.00
11.30	GERMAN POP SHOW WITH RAINER	10.30
11.45	SWEDISH POP SHOW WITH TONY SCOTT	10.45
12.00	ROBERT BOND SWEET MUSIC PROGRAMME AND STEVE LEONARDS MUSIC PROGRAMME CLOSE DOWN	11.00

STUDIO EQUIPMENT

- 1- MULTI CHANNEL MIXER WITH FULL PRE-FADE-LISTEN
- 2- GARRARD DECKS
- 1- PROGRAMME COMPRESSOR UNIT
- 1- MULTI TRACK TAPE DECK
- 1- STUDIO MICROPHONE
- 1- STUDIO MONITOR AMPLIFIER

We hope that you will continue to listen in the future as our Station depends on you.

\*\*\*\*\*

**NEW**

NEW SHORTWAVE RECEIVER FROM LAFAYETTE - BCR-101

by John C. Onken, Roanoke, IL

I happened to visit a local Lafayette Electronics store and was surprised to see a new receiver. Lafayette, to the best of my knowledge, has been in the radio amateur, citizens band, and stereo receiver market for years, but a communications type receiver has not been marketed since the HR series some time ago.

I talked to the manager of the store about the BCR-101 that was on display. She said it was a recent model that Lafayette will be marketing. Furthermore, she mentioned it was somewhat similar to the Yaesu FRG-7. I just shook my head, did not acknowledge the similarity as I own a FRG-7. From the appearance the BCR-101 is similar to the Kenwood R-300 with its drum type tuning dial. I was not able to directly test the receiver but here are the main features from the spec. sheet:

Six band solid state receiver, bands 170-400 kHz, 530-1500 kHz, and 1.4 to 4.0 MHz, all single conversion, double conversion (2.15 MHz and 455 kHz) on shortwave bands 3.5-7.5, 7.5-15 and 15-30 MHz.

Modes: AM, CW, and SSB

Sensitivity: 1 uV or better except for MW band which has 110 uV/M

Image Rejection: 70 to 50 dB depending on band

Selectivity: Wide-8 kHz at -6dB, narrow-3 kHz at -6dB (no other values given)

Drum type dial with separate calibrated bandspread tuning on SW bands (5 kHz calibration)  
50 and 500 kHz crystal calibrator

Adjustable noise blanker

Variable BFO and clarifier

Tracking control to peak RF and Mixer circuits

Oscillator output jack for connection to frequency counter

Front mounted speaker and jacks for recording and playback, front phone jack.

Despite the fact that the ECR-101 may not have all the most wanted features, it still may be a fine receiver. The price quoted is about \$250.00. We hope someone will review the operation of this receiver and submit a report to SWC.

\*\*\*\*\*

## Introducing

SONY'S WORLD CRUISER ICF-6700W

data from Regino Rincon, Denton TX

Sony has come forward with another portable receiver capable of receiving shortwaves. This one has 3 SW bands (1.6-10, 11.5-20, and 20-30 MHz), and the AM and FM bands. Double conversion on SW with a 10.7 MHz first IF (hence the missing coverage). Sensitivity 0.63 uV on SW. Selectivity Wide-10 kHz (-52 dB) and narrow-5 kHz at -52 dB. Jacks for recording, DC input, headphones, timer. Battery operation or AC.

This receiver touts a crystal controlled oscillator for frequency stability, preselector, LED digital readout to 1 kHz on the SW bands, flywheel gear drive on tuning for low backlash, separate bass and treble tone controls, tuning light, world map with time conversion, built in whip and ferrite antennas.

Price is not known and the user review is needed.

\*\*\*\*\*

## This 'n That

Gilfer Associates, P. O. Box 239, Park Ridge, NJ 07656, has recently announced that they are offering the new Mizuho SX-59 preselector, a tunable FET type device. It has three bands covering 3 to 30 MHz and providing 18 to 22 dB gain. Power is line voltage. Write for a fact sheet. Price, \$87.00.

Gilfer also offers two different types of active antennas, the RAK Listener-7 which uses a vertical rod, and the Datong AD-170 which is a flexible wire dipole. Active antennas are small antennas (these are both less than 1.5 m) that makes up for its small exposed area with an amplifier. These antennas may be of interest to those with restricted space. Write to Gilfer for an information sheet.

Radios International, P. O. Box 6053, Richardson, TX 75080, sends a note that they are offering Panasonic 2200, 2800, and 4800 receivers at discount prices. Also available are Sony 5900, CRF-320 and 330K models, the Grundig Satellit 2100 and 3000, and the Nordmende Globetrotter 808. Radios International are now the source for the Barlow Wadley XCR-30 portable. Write for the most recent price list.

McKay Dymek, P. O. Box 5000, Claremont, CA 91711, has available the DR33C general coverage receiver. This is a synthesized PTL type receiver with class D AM detector. It has crystal and mechanical filters and LED frequency display. 50 to 29700 kHz range. Selectivity on narrow AM is 4 kHz at -6 dB and 10 kHz at -60 dB. Sensitivity on SW is about 1 uV. Write for a data sheet and price information.

David Snyder, 1137 E. 12th St., Brooklyn, N. Y. 11230, writes that he is offering solar activity predictions. He offers a sample copy for 75¢. Write for more information.

Did you know that - radiation from solar storms and flares can cause surges of electricity through the power transmission lines that may cause overloading and blackouts. It can also heat the upper atmosphere, causing it to expand and increase drag on low orbiting space craft, like Skylab, causing them to fall prematurely. Solar radiation can also increase exposure of passengers and crews of high-flying aircraft, as well as snuff out shortwave radio propagation.

Doug Snyder (not to be confused with Dave) who lives at 3130 Woodmont Dr., San Jose, CA 95118 writes that he has developed a computer program to provide directional bearings from your location to 200 radio stations around the world. Write for more information.

Your editor recently picked up a program guide to Radio Canada International at the ticket counter of Air Canada at O'Hare. Perhaps other countries should try.

Larry Magne kindly forwarded a flyer for the Grundig Satellit 3000 receiver. This portable covers LW, MW, FM and the International shortwave bands. It features a Quartz clock and a LED digital frequency counter. Price reported to be near 1300 dollars.

D. C. McCarthy, Kissimmee FL reports that a short item on listening to shortwave radio appeared in the News to Use column of Family Circle Magazine, 6/14/78.

## Out of print

Please note that NASWA Special Publications One and Two (Keep it Quiet and Precision Frequency Measurements) and now out of print.

Thus only Special Publication 3, Introduction to Shortwave Propagation (\$0.75) and Special Publication 4, the complete results of the 1976 NASWA Survey (\$1.00) and now available. I will ship both publications in a single envelope for \$1.50. Send orders and payment to: Jerry A. Lineback, P. O. Box 325, St. Joseph, IL 61873.

DO YOU WANT TO BE AN AUTHOR. Articles on shortwave subjects that are too long for regular FRENDX publication will be considered for NASWA Special Publication. Help your organization. Send your ideas or completed MS to Jerry A. Lineback at the above address.

### RFE OFFICIAL COMMENTS ON STATE OF GLOBAL BROADCASTING

Officials at Radio Free Europe and Radio Liberty are looking with optimism toward the future of shortwave broadcasting.

George Jacobs, director of engineering of the U.S. Board for International Broadcasting, the agency which funds and oversees the operations of RFE and RL, told the National Association of Broadcasters that despite advances in satellite technology, shortwave remains the only medium capable of direct, personal, and immediate communication between the peoples of the world.

"The worldwide popularity of SW broadcasting has risen to the point where the bands are severely overcrowded and interference often intolerable," Jacobs said. "It has been estimated that, on the average, between two and three transmitters are competing for the same frequency at the same time." Jacobs says it is hoped that the World Administrative Radio Conference, scheduled for next year, will allocate additional frequencies to shortwave broadcasters, to help alleviate the overcrowding.

Jacobs concluded, "all signs continue to point to the shortwave bands as the World's arena in which international broadcasting will continue to take place, at least for the foreseeable future."

(Item via David Alpert, Wheeling, IL)

## GLEANINGS FROM THE FILES

This is from the NASA bulletin (pre-FRENDX) of January 1963, vol. 2, NASA NEWSROOM, Ron Luyster, Editor. (For the younger or newer members the abbreviation was changed from NASA to NASWA after the National Space Agency was formed).

NEW NETWORK - Australia is drawing up plans for a radio network in Papua-New Guinea as part of an accelerated program to educate the 2,000,000 inhabitants. The network will probably become the national radio system when the territory attains self-government. Only two radio stations operate at present in Papua-New Guinea: The Australian BC Comm., which works from a low-power, medium wave transmitter at Port Moresby (Papua); and a low powered mediumwave station at Rabaul in New Britain, in the New Guinea trust territory, staffed by Australia's Papua-New Guinea administration.

Thanks to those who contributed this month. We appreciate your efforts. Help FRENDX and Shortwave Center to be better, contribute your articles. And remember to consider your longer productions for Special Publications.

73s till next month. *jat*

# listeners NOTEBOOK

AUGUST 1978



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

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**ENGLISH SCHEDULES** ARGENTINA Radio El Mundo broadcasts in English Tue-Sat at 0600-0700 and in French 0700-0800 on 11755 and 6120, especially for the exterior (Mario Jorge Safier, Argentina, 7/7) You didn't say whether this is the same program carried by RAE in English at 0600! But in the past REM frequencies were used to carry RAE. However, I wasn't aware of any RAE French at 0700 (gh)

AUSTRIA ORF made some changes as of 27/6: To Nam at 1230-1300 on 15110 ex-15155 and to Australasia 1230-1300 on 17855 ex-17710, and at 0830-0900 on 9585 ex-9605 (Jaschek, Sender-netzplanung, 21/6) 15110 another loser (gh)

CANADA From the current CBC NS sked I have extracted these times when English is used:  
Mon-Fri 1200-1213 2200-2230 0000-0200 1028-1100 2000-2105 0000-0100 1205-1600 Mon  
1028-1100 1313-1613 2300-2400 0300-0507 11??-1200 2215-2400 0300-0510 1705-1900 0000-0200  
11??-1155 1800-1830 Tue-Sat: Sat: 1310-1705 Sun: 1028-1200 2000-2300 0230-0510  
RCI tentative S78 changes, effective 3/9: 0100-0130 9755 ex-9535, 0200-0230 9755 ex-11940.  
0300-0330 9755 ex-11940. Mon-Fri 0615-0630 & 0645-0700 15265 ex-15440, 11825 ex-17860,  
6065 ex-6150, 11960 ex-11915. 1800-1830 & 1900-1930 17750 ex-17780. 1900-1930 11855 & 7130  
ex-9555, 2000-2030 drop 9555. 2130-2200 15150 ex-15105 9745 ex-9530. 1645-1700 add 11855.  
Mon-Fri 1545-1600 9565 ex-15305 (RCI red & white sked issued in April) CHATHAM; CONGO LN 12

EGYPT R. Cairo's "Voice of Africa" 'Zulu Service' to C&SAF 1600-1645 on 17785 has been broadcasting in English recently rather than in Zulu, including UN anti-apartheid (BBC 29/6)

GREECE VOG 0200-0350 to WNAI incl EG 0215-0230 now on 9655 plus 11730/9760 (BBCMS 2/6)

GUAM (Cf July LN-2) K1WR sked differs considerably: 1000-1100 11780 to Japan; 1100-1130 17855/9530 China. 1430-1500 15135/11900 SEAs. 0000-0100 17855 Japan/Pac. 0030-0100 17830 As (Robert Hanner & Yoshiaki Hayashi, JADX, via R. Australia Japanese DX 9/7)

HUNGARY (Cf May LN-2) No difference is shown in the frequency usage at 0200-0230 (exc Mon) and at 0300-0330 (daily), namely 17710, 15225, 11910, 9833, 9585, 6105, 6080, 6000 (BBC MS 6/78) Sked shows same, minus 6105 (Chris Leithner, TN)

INDIA AIR Domestic Service English News Broadcasts: 00325-0035 7165. 0240-0250 15310 11895 11845 9705 9615 7165 7120 6130 4895. 0630-0632 15235 11935 11850 11735 9630 9590. 0730-0735 15430 15180 11935 11850 11735 9630 9590 7280 7210. 0830-0840 15430 15235 15180 11935 11850 11735 9630 9590 7210 7140 6100. 0850-0915= dictation speed 15430 15235 15180 11935 11850 11735 9630 9590 7210. 1135-1140 15430 11850 11725 9705 9675 9590 7280 6050. 1230-1235 15430 11735 11620 9590 9575 6120 3355 3235. 1430-1435 10335 9950 7412 7280 7195 7135 6145 4860 3925 3255. 1530-1545 10335 9950 7415 7280 7195 7135 6145 4860 3925 3255 3315 3255 3235. 1730-1735 9950 7412 7195 6145 4860 3925 3255 (BBC MS 7/78) ISRAEL LN-12

ITALY RAI tentative S78 sked: 1935-1955 7275 9710 11800. 2025-2045 7235 9575 11800. 2200-2225 5990 9710 11905. 0100-0120 9575 11810. 0350-0410 11905 15330 17795. 0425-0440 5990 7275 (RAI)

KOREA NORTH R. Pyongyang now using 11855 ex-7203 to SEAs 0400 & 1300-1500; and to ME & Af 1500-1900 (Surojit Kumar Dey, India, SCDX 4/7) On 24/6 hrd at 1605 on new 11884 //9977 (Randy Jackson, OR, SPEEDX GRAM)

KOREA SOUTH Here we have yet another contradictory R. Korea sked: 0230-0300 LAm 11850. 0630-0700 Nam 9640. 1000-1030 LAm 9580 9525. 1130-1200 Eur 11965 9650 7150. 1330-1400 Eur 11965. 1600-1630 Nam 9720 9640 7150. 1800-1830 Nam 9720. 1930-2000 Eur 9665. 2300-2330 Eur 9650 9640 (BBC MS 6/78)

MALTA (Cf July LN-2) "Malta Calling" 2045-2115 Sats now on 5980 ex-5990 (BBCMS 13/7)

NEW ZEALAND I noticed on 3/7 that RNZ closed on 15380 at 0428 instead of 0345, and opened on 15130 at 0431 instead of 0400 (Wildier A. Pickard, IL) MONGOLIA LN-12

NIGERIA VON now on 7255 instead of 7275 to WAF plus 11770 for C&SAF. Best on 7255, at 0555-0740, but I heard them to 0805\* 18/6 (Robert Rzepka) Also noted on 7255, 11770, 15120 on 18/7 (Richard M. Utter, NY) I think they always announced and listed 7255, but until recently were actually on 7275 (gh)

NORWAY R. Norway S78: EG to NAM, Sun + GMT Mon only: 1400-1430 17840, 1600-1630 15175 17795, 1800-1830 15175, 2200-2230 9550 11850, 0000-0030 6080 9605, 0200-0230 6180 9550 11860, 0400-0430 6180 9645, 0600-0630 9645 (via Lenny Saaf, IL) Same but 17795 at 1400; and no 11860 at 0200 (Pete Grenier, CA) My copy matches Lenny's (gh)

OMAN R. Oman sked received 26/6 shows EG yearound at 0900-1100 on 11890. News daily at 1030. Address given as P O Box 397, not 600 as in WRTH (Paul Routenburg, ON)

PAKISTAN R. Pakistan's WS to UK incl EG at slow speed 1100-1115 using 15405 ex-15110, in addition to 17665 (BBCMS 29/6)

POLAND (Cf June LN-2) Oops, I meant 15120, not 15135; had Sofia on the mind (Richard Stoiler, NY) R. Warsaw sked: 0200-0400 Polish/English NAM 15120 11815 9525 7270 7145 6135 6095, 0630-0700 Eur 9675 7270 6135, 1200-1230 Eur 7285 6095, 1230-1300 Af 15120 11840 9675 9525, 1600-1630 Eur 9540 6135, 1630-1725 Af 9675 7125, 1630-1700 11840 9525 Af, 1830-1900 Eur 7285 6095, 2000-2030 Af 9675 9525 7145 7125, 2030-2100 Eur 7285 6095, 2230-2300 Eur 7270 7125 6135 5995 (BBCMS 6/78)

ROMANIA (Cf July LN-2) The R. Bucharest 0530-0600 broadcast to Africa is listed on 15340, 11830 and 9685, but all three frequencies are unconfirmed. At 1730 is on 9685, not 17825 (BBCMS 6/78)

SOUTH AFRICA R. RSA tentative S78 sked includes: 0300-0426 9585 \*7270 \*5980 4990 3995, 1600-1650 21535 \*17780 \*11900 7270, 2100-2150 \*17780 15155 \*11900, 2230-2320 15155 \*11900 \*11800 9585. As\*erisked fqs are 500 kW; rest are only 250. Current J78 domestic SW svc sked: English: to SWAF: 0358(Sat 0430, Sun 0500)-0635 & 1520-closing on 3965, 0635-1520 on 11790. To NW Cape: 0358(Sat 0430, Sun 0500)-0620 & 1620-closing on 3215, 0520-1620 on 9680. Springbok Radio (Afrikaans & English): 0300(Sun 0400)-0637 & 1522-2200 on 3980; 0637-1522 on 11935, to SW Af. To NW Cape, 0300(Sun 0400)-0522 & 1622-2200 on 3250; 0522-1622 on 9710 (R. RSA / SABC)

SPAIN Spanish Foreign Radio as of 3/7 rescheduled its NAM svc! Now at 0000-0100, 0100-0200 and 0515-0615, on 11880 and new 9630 ex-6065 (Wildier A. Pickard II, IL) now 350 kW (gh)

SUDAN On the occasion of the OAU meeting in Sudan, Omdurman has been broadcasting a programme in English at 1630-1700 on 6150 and 5038, preceded by 30 mins in French, as observed 11/7 (BBCMS 13/7) So it's a temporary event, this broadcast? (gh)

SWEDEN R. Sweden tentative changes for S78: 0030-0100 9590 ex-11905, 2100-2130 9605 ex-15415 (STA)

TURKEY Per VOT on 5/7, two 250 kW xmtrs would go into service 7/7 at the Cakirli station near Ankara, with completely automatic frequency and antenna switching. The English service at 1200-1300 is now on 15145, and an additional frequency for the 2130-2300 is 9665, along with 9515, 7270 and 7170 (BBCMS 13/7)

UGANDA UBC has been testing to WEU on 9730 at 2000-2100 Tue/Thu/Sat with continuous music and anmts in EG. On other days, UBC has its sked service to Naf 1900-2100 on 9730 (BBCMS 13/7) Heard at 2030-2100 on 17/6 (Robert Rzepka) UBC noted with test to Eur at 0400-0430 on 9730 in EG, fair (John Mainland, NZ, R. Australia DX 9/7) Test xmsn to NAM hrd on 15325 at 1140 18/6, pops and seemingly church mc, EG & FR anmts, weak with presumed Holland dominant. Nowhere near the quality of the 0300 xmsn (Jerry Berg, MA, TDXX)

(UNITED NATIONS) UN Radio EG news sked, Fri +GMT Sat only until General Assembly session resumes: 1830-1835 to CEU, W&CAF: Greenville 21670, 15410, USB-19505; Tangier 17710, 2245-2300 to Caribbean, Greenville 15240, 11955, 0545-0600 Af Greenville 9620 6055, 0707-0715 & 0730-0745 Greenville to Af 6135 6055, 0800-0815 Monrovia 17860 15235, 1000-1005 to As from Philippines 15250, Delano 9565, Dixon 9555. Standby frequencies for broadcasts of meetings (many of them carrying VOA programming when not required by UN); in EG & FR only. All Greenville, 1430-1900 21670 15410 15350, 1430-1500 15120, 1900-2345 21670 15350, 1900-2200 15410, 2200-2400 15415, 2345-0500 11905, 2345-0900 6055, 0000-0600 9620, 0500-1200 9540, 0600-1000 6135, 0900-1200 9620, 1000-1430 15120, 1200-1400 15415, 1200-1430 21670, 1400-1430 15410 (UN Radio via Charley Hoffman, PA)

URUGUAY SODRE reported on 11885 and 9515, heard on former, 0030-0045 with "News of our country", asking for reports from USA, Canada, Africa (Steve Webster, ON, July DX Ontario)

U S A WYFR J78 EG sked: 21525 Scit 1605-2050, 17845 Okeech 1700-1900 & 2000-2300, 15440 Okeech 1700-1900 & 2000-2300, 15110 Scit 1605-1700 & 1800-2000, 11805 Scit 1605-2000. Also, on Sun only Scit 17785 & 15110 1230-1551 (Kendall, WDXC) New 21675 2100 (RBC WRC 19/7)

**U S S R** It seems that R. Moscow is on the way to its own 'world service' in English (gh) At the close of the EG svc to GB & Ireland 2255 20/6, it was announced that broadcasts for 'English speaking listeners' would resume at 0400 on 16, 19, 25, 31m. This is believed to be the first time that R. Moscow has used that expression, and the first time that one English service has made reference to another. The EG opening at 0400 is no longer announced as being for Africa (BBCMS 22/6) On 20/6, R. Moscow introduced what could be termed a 'general service' in English daily at 0400-1100, 1300-1600 and 2100-2300-- a total of 12h per day. None of these half hour programmes carry target announcements. The end of each pgm in the new service carries an anmt linking it to the following one, and the final pgm of each of the blocks tells listeners when the next block begins. So, besides the NAM and PCS services which remain so designated, these are the only remaining EG BCs with target designations: AF 1330-1400 (to Sierra Leone), 1630-1700, 1830-1900, 2000-2100. GB & I: 1900-2000. S&SEAs 1500-1530 & 1600-1630 (BBCMS 29/6)

**VATICAN** VR 578 to NAM, 0100-0115 on 6015, 9605, 11845 (Vatican Radio, 15/6)

**VIETNAM** VOV: 0900-0930 SEAs 12035 10040. 1000-1030 SEAs 12035 10040. 1530-1630 SEAs 12035 10040. 1800-1900 Eur 15012 10040. 2030-2130 Eur 15012 10040. Target areas are assumed, not announced (BBCMS 7/78)

## OTHER SCHEDULES

**ALBANIA** R. Tirana Albanian language broadcasts to the Americas, which most may listen to undistracted by rhetoric:

0000-0100 on 9790, 7300, 6200; 0200-0230 on same. 1030-1100 on 11985, 9500 (BBCMS 6/78)

**ANDORRA** R. Andorra is on the air in French only at 0900-1205 on 6230. There are no English or Dutch broadcasts as reported in WRTH-78 (Roberto Levinstein, Spain, SCDX 13/6)

**AUSTRIA** Mid-season ORF changes: To Eur, out of band 5945 at 1900-2200, with 6155 now closing at 1900. To SAm 2100-2300 on 15385 ex-11895; as of 27/6 (ORF 21/6)

**BOLIVIA** Some monitored schedules for weekdays; Sunday sked usually much shorter:

3280 R. Chaco, Yacuiba 0945-0300	4965 R. Juan XXIII, San Ignacio, 0930-1730,
3340 R. Viloco, again active: *1000	1930-0130
3350 R. 27 de Diciembre ex-3440, 2200-0200v	4990 R. Animas ex-6015, 1030-1800, 2100-0400
(-0300)	5020 R. Dos de Febrero, *1130; 0230*
3380 R. Cumbre, now *1000; s/off 0300v-0400	5020 R. Cuarto Centenario, 12-18, 22-0230
3446 R. San Miguel ex-3465, 1100-0200	6005 R. Progreso, 0825-0600
4640v R. 23 de Marzo (Tupiza), 1130-?, 2200-0300 (split-sked)	6125 R. Stentor, 1200-0400
4740 R. Mamoré (4750 nom.) ex-4725; 1000-?, ?-0300 (split schedule)	6185 R. Batallón Colorados, 1100-1300, 1600-1800, 2300-0300
4760v R. Abaroa, 1030-0400v	6210 R. Lufs de Fuentes, 1100-2130, 2300-0200
4774 R. Riberalta, 1100-0400v	(Tony Jones, Paraguay, 29/6)

R. Animas, Choraya, now BGs 1030-0400 on 4990 ex-4965, probably to avoid QRM from R. Juan XXIII, San Ignacio de Velazco, once again returned to 4965 (BBCMS 29/6)

**BULGARIA** R. Sofia's South American service is also on a newish fq sked: 15310 and 11765 for 2200-2230 PT, 2230-2300 SP, 2300-2330 BG. On 11970 and 11765 at 2330-2430 SF, 0030-01 BG, 0100-0130 PT, 0130-0230 SP, 0230-0300 PT. (BBCMS 6/78)

**CAMBODIA** (Cf July LN-8) Democratic Cambodian Radio untraceable in early June, neither on 4908 nor 11943, so first thought they off the air. Probably was wrong, they still on, but was and still is too weak for clear reception. 4908 audible sporadically with a faint signal. 11952v, moved up slightly from 11943v at least since mid-Jun. somewhat better (Isao Ugusa, FEDXR 29/6) I noticed them on 11920.6 one morning instead of 11942 (David Walcutt, TX) Changed from 11943 to 11953, QRMing Veritas, 1100-1500 //4907, and 0800-0900 (Victor Goonetilleke, Sri Lanka, SCDX 4/7)

**CYPRUS** (Cf July LN-14) CBC moved again, from 9690 to 9695 for the weekend 2215-2230 xmsn, (Tony Buhagiar, ON, 10/7)

**ECUADOR** As of 1/7, HCJB's Spanish service at 0030-0500 moved from 15115 to 15125; and for various languages at 1630-2200, add 21480 (DX Party Line 4/7) 21480 is very good in ENAm, tho intended for Eur, rather than planned 21490 (gh) 15115 probably vacated to avoid jammer; heard past 0530 (Mike Maghakian, NY)

**ETHIOPIA** VORE IS on 9615 and 7165: 1200-1300 Somali, 1300-1400 Afar, 1400-1500 Arabic, 1500-1600 English, 1600-1700 Amharic, 1700-1800 French (BBC MS 6/78)

**FRANCE** J78 skeds, supposed valid until 3/9. Tnx to Pickard for format and typing (gh)

Radio France's s.w. sked for Europe, 7 May 78. FR u.o.s. (RFI via Wilder Pickard, IL)

0500-0600 7280	0600-1300 15290	1400-1700 11790	1900-2000 9715	1. Runs past
0500-0800 9550	0700-1400 11825	1700-1800 6010 <sup>2</sup>	2000-2100 5985 <sup>3</sup>	2000,
0500-0700 11790	0800-1700 11770	1700-1800 6145 <sup>2</sup>	2000-2100 7135 <sup>3</sup>	2. German
0600-2000 6175 <sup>4</sup>	1000-2000 15190	1700-2000 11705	2100-2200 5995 <sup>4</sup>	3. Portugese
0600-1000 15180	1300-2000 15315	1700-2000 11855	2200-2300 6040	4. Spanish

FRANCE RFI FR for Africa 7 May 78. \*Sundays only. (RFI via Pickard, IL) 17850 0700-1600  
 5955 2030-2130 11705 0500-0700 11930 1900-2130 15360 1700-2130 1700-2030  
 5990 0500-0600 2030-2130 11965 1900-2030 15425 1700-2130 17860 1700-1900  
 7135 0500-0700 11730 0400-0600 15135 0400-0600 17720 0700-0900 17865 0600-1600  
 7160 2000-2130 11735 0600-0900 15155 0500-1600 0900-1000\* 21580 1000-1500  
 9510 0400-0500 11780 0400-0500 15200 1800-2030 1000-1500 1500-1600\* 1500-1600\*  
 2030-2130 11845 0600-1600 15210 1800-2030 1500-1600\* 1700-1900  
 9525 0600-0700 1700-2030 15300 0800-1600 1700-2030 21620 0600-1600  
 9660 0600-0800 11860 1900-2030 1700-2130 17800 0500-0800 1700-1800  
 9690 1900-2130 11890 2030-2130 15315 0400-1000 1700-1900 21675 1000-1600

FRANCE RFI FR for Africa 7 May 78. \*Sundays only. (RFI via Pickard, IL) 1800-2030 15210  
 0400-0500 9510 0500-0800 17800 0800-1600 15300 1700-2130 15360 1900-2130 9690  
 0400-0600 11730 0600-0700 9525 0900-1000 17720\* 1700-2130 15425 1900-2030 11860  
 0400-0500 11780 0600-0800 9660 1000-1500 17720 1700-2030 17720 1900-2130 11930  
 0400-0600 15135 0600-0900 11735 1000-1500 21580 1700-1900 17800 1900-2030 11965  
 0400-1000 15315 0600-1600 11845 1000-1600 21675 1700-2030 17850 2000-2130 7160  
 0500-0600 5990 0600-1600 17865 1500-1600 17720\* 1700-1900 17860 2030-2130 5955  
 0500-0700 7135 0600-1600 21620 1500-1600 21580\* 1700-1900 21580 2030-2130 9510  
 0500-0700 11705 0700-0900 17720 1700-2030 11845 1700-1800 21620 2030-2130 11705  
 0500-1600 15155 0700-1600 17850 1700-2130 15300 1800-2030 15200 2030-2130 11890

INDONESIA VOI inaugurated a daily xmsn in German 1/7, at 1530-1600 on 11790 and 7110, also on 107 MHz for German-speaking community in Jakarta (BBCMS 6/7) LEBANON LN-12

LIBYA The 6206 kHz xmtr, believed to be on board the former pirate radio ship 'Mebo-II' has been broadcasting since 2/7, at least, a svc announced as "Radio of the Holy Qur'an, Libya"--readings from the Qur'an plus religious talks and news bulletins, 0600-1800 approximately (BBC MS 6/7)

OMAN R. Oman sked in Arabic 1100-1315 on 11890, 1400-2015 on 6175. From Nov to April, the 0200-0715 xmsn is on 6175; May to October on 11890 (Paul Routenburg, ON, 26/6)

PAPUA NEW GUINEA The Wewak district station is occasionally obs on 6140 at 0700-0800, at variance with WRTH 78, showing 6140 only on weekdays 2200-0700. Peter Bunn heard religious pgms in Pidgin Suns to 0743\* (R. Australia Japanese DX 2/7)

PERU On 3330, Ondas del Hualilaga is back on its nominal fq, after a year on 3300. 4965, R. Sicanu is heard daily at \*0955, 0400\*. on 6010, R. América is 24h, ex-1000-0600 (Tony Jones, Paraguay, 29/6)

SOUTH AFRICA SAUK domestic SW svc sked in Afrikaans: to SWAF 0358(Sat 0427, Sun 0458)-0636 & 1521-closing on 3955. 0636-1521 on 11885. to NW Cape, 0358(Sat 0427, Sun 0458)-0521 & 1621-closing on 3285. 0521-1621 on 9560 (SABC)

THAILAND (Cf July LN-10) R. Thailand added Japanese 1/7 at 1430-1450 on 11905, 9655, as well as on 923 kHz, 95.5 & 97 MHz (BBCMS 13/7)

TURKEY With its additional 250 kW xmtrs in action, VOT ES in Turkish for Turks abroad has been xmitted since 7/7 per this sked: 0357-0600 15145 9515 7270 7170. 0600-1200 15145 11800 9515 7270. 1200-1500 11800 9515 7270. 1500-1700 15145 11800 9515. 1700-2000 9665 9515 7270 7170. 2000-2127 9665 9515 7270 (BBCMS 13/7) This xmsn around 1600 on 11800, was mystifying a monitor at RCI Stittsville, during the ANARCON group's visit 17/7 (gh)

VIETNAM Wonder of wonders! VOV ES has turned up on an in-band frequency!!! if not a very good one--11750. Sked as follows in non-EG langs: 0000-0500, 0530-0630, 0900-1130, 1200-1300, 1400-1700, 2130-2300, 2330-2400 (BBCMS 7/78)

YEMEN SOUTH R. of the PDRY mostly in Arabic DS: 0300-0530(Fri -1100) on 7190 5970 5060. 1100-2030 on 11770 7190 5970 5060. However, 7190 is not used at 1700-1715 and 1845-1900 (BBCMS 6/78)

## MISCELÁNEA RADIAL

ALBANIA Following the final break of relations with China in mid-July, the Tirana relays of R. Peking appear to have ended. A check of the usual frequencies between 2300 21/7 and 0200 22/7 did not show any signs of the transmissions, tho other Tirana frequencies were strong (gh) R. Tirana has been heard twice in the 10m hamband, on 28260, 1830-1900 EG, then Arabic to 1930 (George Steidinger, GFR, SCDX 20/6) This can be 4 x 7065 (Geo. Wood, SCDX ed.) And is (gh)

ARGENTINA R. Belgrano now has a foreign service program Mons at 0000 GMT on 6090 and 11780 in Spanish, called "QSL". I hear their QSL card is very pretty (Mario Jorge Safier, 7/7) The OOB operations of R. Rivadavia, R. Splendid and R. El Mundo are official feeds to their respective networks in the interior of the country, and are via the facilities of ENCOTEL. In the case of special events such as the World Soccer Cup, these feeds are also for stations in other countries (including the US). This was announced several times during the World Cup transmissions, when ENCOTEL frequencies were announced alongside those of the station. AMEN. (Tony Jones, Paraguay, 29/6)

**BOLIVIA** (Cf LN-3) On 3340, 15/6 an excellent deep LA night at 0120, expected to be R. Tropical, but a couple dozen mentions of Viloco in about an hour forced me to conclude it is R. Viloco. Finally ID at 0248. Strong het from an unID Mexican at 0130. Looks like the Mexican will be easily heard but Viloco only on superb deep skip nights. A tipoff for possible Viloco reception would likely be an outstanding Brazilian opening from 0030 to 0100 or so, as was the case 15/6 (Neal A. Perdue, AL, TDXN) That het might be even more interesting, but why do you presume it is a Mexican CCB harmonic? Rather unlikely fundamentals--1670, 1113.3, 835, 668, 556.7 kHz being the possibilities (gh)

**CANADA** 48 countries will be represented in the XI Commonwealth Games, held in Edmonton, Alberta, 3-12 August. As host broadcaster, CBC is responsible for meeting the needs of over 1000 program and technical staff from participating countries. The CBC radio network plans 55 hours of coverage in English, 40 in French; ABC(Australia), 53 hours; BBC 140 h, including domestic and WS, and BCNZ, 30 hours. In addition, radio reporters are expected from India, Bahamas, Mauritius, Kenya, Papua New Guinea, Ghana, Uganda, Nigeria, Guyana, Tanzania, Malawi. Daily games summaries will be carried by: Brunei, Malaysia, Jamaica, Bangladesh, Singapore, Barbados, and Trinidad-Tobago. The nucleus of the production is a specially constructed Broadcast Centre in downtown Edmonton. Much of the 2.3 million dollars worth of equipment was originally used for the 1976 Montreal Olympics, and some will be loaned to the American ABC net for the 1980 Winter Olympics at Lake Placid, NY. RCI will have a total of 12 commentators covering the Games in 10 different languages. For schedule of BBC coverage, see PROGRAM NEWS. (Don Dawson, Sherwood Park, Alta)

On 9173 kHz, CHU time sigs still here, hrd 24/6, 25/6 at 0415, very weak with heavy QRM. Could not hear the anmts, but the format was definitely that of CHU. Still audible past 0700. Also here at 0910 on 29/6. Could be a relay by another station, but why for such a long period? (Randy Jackson, OR, SPEEDX GRAM)

**CHAD** On 11/6, hrd on 4915 from 0430 GMT, later mixing with Ghana. At 1900 the same day they were back on usual 4904.5 kHz (Bryan Clark, NZ, 23/6)

**COLOMBIA** R. Melodía, 6140, back on air after several weeks absence, noted 16/7 at 1041 with frequent IDs; also hrd 17/7 (Jack Jones, MS) R. Mira, Tumaco, audible from \*1127 on 6015; previously opened at 1100 (Peter Bunn, R. Australia Japanese DX 2/7)

**CHILE** R. Nacional is transmitting its domestic service on 9550 ex-9510, and at times it uses in parallel 11760 (Mario Jorge Safier, Argentina, 7/7) DENMARK LN-12

**DOMINICAN REPUBLIC** On the 2/6 broadcast of "This Is Santo Domingo", Rudy Espinal said this: "There's a shadow over the sky, and I'm not very happy today. Some bad news; I hope it's not confirmed, but there is a slight possibility that shortwave will disappear from Radio Clarín." He went on to wonder whether some 5000 listeners could be persuaded to send in \$1 a month to keep R. Clarín on the air--or 100,000 people sending in one cent each. "How many would be willing to invest something? Please write in." See July LN-8 for subsequent developments. 11700 remained off the air into July, so on 6/7 I got Rudy on the phone to find out the situation. He said the SW xmtr was at first taken off the air, because it, or parts of it, were needed to keep the AM xmtr on the air. But because of economic problems, leading to a staff cut of 14 persons, it was decided to keep the SW service off for the time being, as Rudy had his hands full just running the AM station. He hoped that within a week or two, a brief SW transmission could be resumed on 11700, in Spanish at 2200, and English at 2300-2400 GMT. Frequent checks continued to produce nothing but Libya/ Moscow, until in Ottawa 18/7 I found R. Clarín in Spanish at 0330 on 11700, reading a statement from Pres. Balaguer, and continuing past the usual 0400\*. Silence again until 21/7 when again in Spanish at 2300--possibly gearing up for a resumption of English (gh) The 11700 kHz xmtr is still used Sundays for broadcast of the national lottery from around 1645 (SWNS)

**ECUADOR** R. Luz y Vida, Loja, obs on new 4850 ex-4830, fair 1100 past 1200 (Bunn, RADX 2/7) WRTH 78 lists La Voz de Saquisilí, 4900 kHz, in Saquisilí, Cotopaxi province, as a station with no SW outlet. It also lists R. Libertador, 1235 kHz, also in Saquisilí, as a station with no SW outlet. I believe these stations are one and the same. Over the Easter weekend, but not since, the SW outlet was heard with astonishing strength with this ID: "Esta es La Voz de Saquisilí, Radio Libertador. Transmitemos en onda corta y onda larga desde Saquisilí, asiento comercial, político y folklórico de la patria..." (Cedric Marshall, ODXA)

**FRANCE** (Cf July LN-7) I checked the RFI channel of 11735 twice, opening at 0400, and heard no mention of Canada, just the usual program for Africa. Midnight in Québec seems a rather odd time for a North American service, but then the French are not known for their consciousness of times outside Paris. Also, sked on LN-4 shows 11730 (gh) FALKLAND LN-12

**GABON** Rdif. TV Gabonaise now seems to have an international service, monitored 12/7 at 1735 anmt in EG/FR/SP on 15300, giving RFI problems, and mostly under France. They mentioned it was an international svc, and a freq in the 31m band. Times and targets were announced, but did not catch times. One target was West Africa. Programming continued in FR with 1950s and 60s rock music. Faded out around 1807-1815. They gave this address: Edward Tlotn (? -gh), P O Box 270, Franceville (Steve Webster, ON) They were getting some 500 kW xmtrs, so this may be the first of them. Population is only 530,000 (gh)

**GREECE** VOA is using a full-time, transoceanic satellite circuit to carry broadcasts from its Washington studios to its relay transmitters in Kavala and Rhodes. The VOA said the new satellite link is the first in its history; it carries Arabic and other language broadcasts (UPI story, no date, via Dave Walcutt, TX) On tip from Jim Weber of ECDXA, Voice of Greece pgm found on 9865, much weaker than //9760, at 0100 4/7. What is? (Oliver, PA)

**GUYANA** GBS heard on 5950 only--nothing but CW on 3290, at 0845 12/7 with ID as "Action Radio, GBS" (Jack Jones, MS) **GUINEA-BISSAU** LN-12 **GUINEA** LN-12 **GUATEMALA** LN-12

**HAITI** (Cf July LN-7) 4VEH was recently hrd at excellent level on 9770 and 6120 by someone in the Caribbean area (Matthew Brown's NAM DX Report on SLBC Radio Monitors International, 3/7 via Jerry Berg, MA)

**INDIA** AIR Madras, good sigs daily on 15335 from \*1128 (Derek Lowe, AR, 10/7)

**INDONESIA** Power of RRI Fak-Fak 4790 is 500 Watts; of RKPDT2 Banyuwangi 3504 is 200 W, and of RKPDKT2 Bandung 3301 is 250 W (Stig Adolffson, Sweden, via Jan Tunér, via Down Under DX Survey 11/6 via Mike Willis) When was last one heard? We're not hearing it now; is the ID exact? (David Foster, DUDXS ed.) RKPDT2 Dompur, formerly 3143, advises that their xmtr has been off the air since 12/77, and is still being repaired (Foster) On 6530, RRI Bengkulu, hrd 1000 past 1415, 2 x 3265, which is usually obliterated by Gorontalo (Craig Tyson, DUDXS)

#### INTERNATIONAL WATERS/ISRAEL

...**WEDNESDAY, JUNE 28, 1978**

### Buyers burial plot as fast enters 40th day

## Abie closing down 'Peace Ship'

#### Jerusalem Post Reporter

**TEL AVIV.** — Abie Nathan's "Peace Ship" will stop broadcasting today or tomorrow and sail into Ashdod harbour, unless the government declares that there will be no more settlements in the administered territories as long as the door to peace negotiations is still open.

Nathan told *The Jerusalem Post* that he intends to continue his fast — now into its fortieth day — until he dies or until the government changes its policy.

If he should die, Nathan said, his ship will be sold. He said that he already has offers from American, British and Arab buyers. If the government changes its policy, the ship will begin broadcasting once again.

In reply to a letter from Prime Minister Menachem Begin asking him to stop fasting, Nathan said that his life and well-being was dependent upon Begin declaring a change in government policy.

Nathan said that he had lost 25

kilos over the past 39 days, and figured he had about 10 days left to live. He said he had already bought himself a plot in a Tel Aviv cemetery. "I see now that there is really no chance to stop my hunger strike," he said. "They promised me a good location and took \$1,100."

In his letter Begin had said: "The negotiations can be exhausting, but the foundations must be built on which the structure of peace can be erected. The government has made and will make every possible effort to bring about a peace based on a foundation of security and justice."

Nathan said he had decided to close down his ship-borne "Voice of Peace" because he was no longer physically able to manage the station and because his crew was no longer willing to entertain people with music.

He said that if people failed to understand that the purpose of the "Peace Ship" is more than to provide entertainment, then there is no purpose for the ship to continue functioning.

If anyone would like a cassette dub of Abie's shutdown talk, in English, send a C-60 cassette and return postage of 35 Israeli pounds (there are 17.6 per dollar) and I'll be pleased to oblige. They did continue broadcasting an additional 24 hours after Abie's message. (Michael Fine, 7/59 Ramot, Jerusalem) more, LN-12

**KERGUELEN ISLAND** (Cf June LN-4) I inquired with FR3 headquarters in Paris about the alleged FR3 station here. M. Blanc-Sole says there is no station and no plans for one. However, there is a weekly broadcast from France to Kerguelen and other Antarctic islands Mons 0730-0800 on 25620 or 21675 (Derek Lowe, AR, 5/7) Per a letter from the German section of RFI, there is no stn on Kerguelen (Hans-Jürg Riener, GFR, SCDX 27/6) On 14/6 on 3335, French style accordion mx was heard, 0140 ID as "France Region Trois", 0203-0300\* almost entirely accordion mx; excellent sigs (Brian Baumgartner, ON, CANDX) Brian at first thought this was Kerguelen, but is not so sure, now. The "FR3" ID is used in a number of different French overseas territories (gh)

**KUWAIT** DS in AR 12/7 was BC on 21360 instead of 21605 (BBCMS 13/7)

**MAURITIUS** (not "Mauritius" as they say on TWR DX Special -gh) MBC hrd on 9701 24/6 at 1259 with ID, and off by 1301 with a few bars of slow orchestral anthem (Neal Perdue, AL, TDN) I suppose this is a typo for usual 9710 (gh) MBC at last heard for sure on 9710 at 0300, also at 1300\*. Has no EG as far as I can see, but FR and some dialects, 60m channel must be inactive (Mike Willis, W. Australia)

**MEXICO** R. Mexico has a new address: Estudios Churubusco, Foros 20 y 21, Atletas 2, Colonia Country Club, México 21, DF (Ricardo Pérez M., Aconcagua DX Club, Apr-May 78) Bet they still seldom answer mail (gh)

## The Voice of Peace

regrets to announce that today, the 40th day

of

### Abie Nathan's Fast for Peace

the music and message of our station will die.

Listen tonight to Abie's final broadcast on 1540 kHz

6.15 p.m. in Hebrew

7.15 p.m. in English

### Voice of Peace on the air again

Abie Nathan, who ended his 45-day fast for peace after an appeal from the Knesset, reopened "The Voice of Peace," his pirate radio station,

over the weekend.

The station broadcasts pop music mixed with "peace messages" and commercials from a ship off the Mediterranean coast.

Jerusalem Post, 2/1, all via Michael Fine, Israel.

**NETHERLANDS +ANTILLES** RN apparently decided not to wait any longer to begin its 'live' feeds to relay stations. Tom Meijer frequently mentioned during his 24h marathon "Happy Station" broadcasts 2/7 & 3/7 that the feed to Madagascar is via INTELSAT satellite, but to Bonaire via the "Columbus Cable". For a cable feed, it certainly sounds better than the BBC on emerging from Sackville (gh) Improved technology, hah! Well, maybe a half-hah (Roger Reini, TX) The 2130 GMT xmsn from Lopik to North America East was dropped due to lack of staff. It was preceded by a number of Lopik xmsns to Africa, for which we frequently use African-English speakers. The night-shift staff (announcer & translator) come on duty at 0230 (Dutch time) so that for the 2130 GMT NAM xmsn only a translator and announcer would have to come to the studio. For that we simply do not have the people. Another consideration was that reception of the 2130 was rather poor. As for your suggested solution, we had thought of that one too. However, the Dutch PTT won't let us keep Lopik on any later. They too have budgetary and staff problems. (Dick Speakman, R. Nederland)

**NIGERIA** QSL from Kaduna has marked in 250 kW beside the 10 kW power listed for 6090 kHz. Power increase? (Tom Overcamp, SC) **NORWAY** RN on unsked 25665 18/6 1600 (Barraclough, MM)

**PAPUA NEW GUINEA** If you've been eagerly awaiting the activation of that new station, Radio Enga at Wabag, relax. Stn list accompanying sked dated 11/10/77 but mailed 8/3/78, still shows it 'not yet transmitting', but the frequency has been picked--1494 kHz on MW, not SW (via Allan Troster, ON) (Cf July LN-6) NBC used 4760 from 1/6 to 7/5, for morning and evening services, instead of 4890. This was due to crystal failure on the 4890 outlet - 4760 was derived from one half of 9520 until proper operation was achieved. Xmt on 9520 works on dubbing of 4760, and this was used to give temporary coverage on 60m (ADXX) Received QSL showing 4760 for 4/6, and states "The Cristol (sic) Switch was moved half way to Freq. 9520KHZ. This fault was discovered, 5 days later." This does not explain why the 4890 xmt was not hrd at same time; also, the 9520 is usually off air at this time. Five days would seem a rather long period for this problem to remain undetected! Perhaps another listener will get a more detailed explanation than mine (Syd Osterman, ON) Looks like Osterman was almost right. My QSL says "The fault occurred in the cristol switch thus changed or moved half way to Freq. 9520KHZ It was discovered later about 5 days (Tom Overcamp, SC) The signals on 4760 were better than we usually get on 4890; in QSLing, DX-Officer Jack Arifeae says (sic): "We regret that the particular frequencies ie 9520 was on fault. It was obviously almost 5 days later when our techs had discovered. So this same frequency was, it's crystal switch had been changed into half the frequency..." Weren't there any listeners in P-NG to point out the error? (Bryan Clark, NZ) So we have NBC saying it was accidental, while some evidence points to its having been deliberate. (gh) Much stronger signal noted on 9520, and staying on past 0800 to 0832\* New xmt? (Osterman)

**PARAGUAY** R. Nacional, 9735, now inactive, expects to return during August with 50 kW. Tests were satisfactorily completed. 6025 still on the air (Tony Jones, Paraguay, 29/6)

**PORTUGAL** R. Portugal using 17905 ex-17895, 1400-1700 in EG, KK, PT, EG, FR (Ad Koster, Holland, SCDX 4/7) No sign of it on 17905 the day I checked (gh) **RHODESIA** LN-13

**SEYCHELLES** With the new government, FERA's license fee increased from an annual 25 pounds to 60,000 (Bruce Boomer, Sweden)

**SIERRA LEONE** Freetown hrd at new time: 2330-2400 on 5980 in EG. Some days goes on past 0000 with religious programmes. Good level (Mike Willis, W. Australia)

**SOLOMON ISLANDS** SIBS has reverted to 5015, ex-5020 per Bob Padula (R. Australia Japanese DX 2/7) Hrd station, thought was Solomons, 9/7, still on 5020 (Syd Osterman, ON)

**SOMALIA** R. Mogadishu hrd on new 7165, going from FR to AR at 1600 (Tapan Ghose, India, SCDX 20/6) Cf LN-3, same freq as Ethiopia; what a coincidence!; or, a mis-log here? (gh)

**SWEDEN** Since it is the middle of the night in Sweden, R. Sweden finds it necessary to present taped, rather than live newscasts during the evening broadcasts to NAM (Arne Skoog, PQ, and George Wood, Sweden)

**SWITZERLAND** I know 11780 SSB is not SINPO 55555, but it was making it here on 17/6. It needs a clear channel--either out of band or between 9580 and 9630--where there aren't many stations (Roger Reini, TX) Hrd at 0324 in FR. Supposed to be SSB, but seems more like normal double-sideband AM, as easily heard without BFO; xed by Kiev EG 30/5 (Bob Padula, ADXX) Well, just a little carrier from another 11780 station makes the Swiss SSB sound like AM. And most of the time, there is such a carrier available (gh)

**U S A** KGEI now on (sob) 9505 with EG to FE 1000-1100; ex-9580. Was tuning in NHK when they came on over them. I then called KGEI at 1002 8/6 and talked to the host, Dalquist, I think, who said they had changed because of Australian QRM on 9580. He said ITU approved the change and that Japan is going to move off 9505(!), a frequency they have used since who knows when. I wonder how reception is in the FE? Maybe ANARC FRC can work things out. Now I guess I'll have to get up at 0900 for NHK, as this is the only sure way to hear them. (Chris Lobdell, MA) Well, 23/7 at 1100\* EG heard on 9575; and 25/7 at +1200+ noted on 9530 so maybe both Japan & Australia are saved. More on KGEI; WYFR, LN-13 (gh)

U S S R St. John's, Nfld -- A gigantic radio wave from Russia being transmitted to Cuba caused a freak 'boom' on Bell Island last April which blew up a barn and power lines and dug craters into the frozen ground, say a group of Ottawa-based scientists. They say the man-made, extremely low frequency wave interacted with a large iron-ore body on the island. The wave then exploded into highly charged particles. (Toronto Star, 14/6, via Harold Sellers, DX Ontario) A station believed to be R. Tashkent, Uzbek SSR, has been noted on 17900 around 1200-1400 mostly W or C As mx in a native language of this area. ID sounds like "...program...Tashkent Radio" at 1300 (T. Nakanishi, JADX, via FEDXR 29.6)

ZAIRE V. of Education & Development, Bunia, hrd on 3400 at \*0600 French, ID, talk, possible nx, SIO 342 on 21/4 (Joe Howell, CA, SPEEDX) More details pse (B. Butterfield, SPEEDX)

CLANDESTINE CRANNY Voice of the Malayan Revolution, 11831 & 15789 kHz, has begun to repeat programs which, in some cases, are more than a year old. Thus, a recent programme gave details on the Chinese people's hatred of the present leader of Singapore, etc., a programme which was heard in exactly the same tape more than a year ago! EG still hrd at 1520 and 0930 (Down Under DX Survey)

Voice of Zimbabwe, still hrd, always excellent reception, 1800-1845 in EG on 4856, 6005 and 3265. From Rhodesia, A Voz de Africa Livre is now on SW, 4828 at 1800-1900 in PT. Guess it's // to 998 kHz MW. Good level, must be 100 kW (Mike Willis, W. Australia)

Radio Freedom from South Yemen ("Idha'at al-Hurriyah min al-Yaman al-Janubiyah"), an anti-PDR Yemen clandestine, began broadcasting 2/7/78 at 1130-1430 in Arabic on 9960 and 5345. A similarly named station, Radio of the Free Yemeni South ("Idha'at al-Janub al-Yamani al-Hurr), operated from summer 1970 until early 1976 on same frequencies. This station's slogans and appeals are directed at the country's armed forces, urging men and officers to mutiny. A recent Aden radio report said the stn had started 2/7 and in the words of the Minister of Information "the counter revolution supported by imperialist and reactionary circles" was responsible for operating the station. (BBCMS 6/7) V. of Namibia TANZANIA LN-13

Radio of the Patriots ("Radyo-he Mihan Parastan"), last hrd in 2/77, has returned, first noted 18/6 at 1615-1645 on 11700, 9650, 9500 and 6100, used at other times by Libya. Obs show that at apx 1613, Libya's DS is cut off in mid-sentence and followed after a very brief pause by Radio of the Patriots. There is silence 1645-1653, when Libya's external service begins. Libyan radio and Radio of the Patriots have so far made no reference to one another. Radio of the Patriots broadcasts anti-Shah, and anti-Iranian government material. Formerly operated possibly from Iraq 4/74-3/75; and from Libya 3/76-2/77. At that time it was at 0230-0330 on MW only. "...the Voice of Iran's toilers and freedom lovers. Struggling compatriots, revolutionary strugglers..." In Persian (BBCMS 22/6 & 29/6)

Voice of Lebanon, phalangist, stopped broadcasting 2/7 after it was hit by artillery and rocket fire, per an Iraqi news agency report. Several rockets had fallen in the al-Ashrafiyah area of Beirut where the station is located. VOL returned to the air the next morning on 866 kHz only, saying some equipment was damaged. At 1030 3/7, VOL reported its SW xmtr back on the air for the ME, Arab Gulf, Af, Eur, Americas and Australia. It is on 6550 tho 6581 is announced. VOL also suffered from interruptions on 4/7 and 5/7 (BBCMS 6/7) And on 6/7, but practically back to normal 7/7 and 8/7 but on MW only. 6550 kHz came back at 1100 9/7, having been unheard since 4/7 (BBCMS 13/7)

Voice of Arab Lebanon, anti-phalangist, controlled by the Independent Nasirite Movement in Lebanon, obs in AR at varying times on 7/7 and 11/7 on 939 kHz; last obs on 21/3 (BBCMS)

Radio Rastapari, address, Box 278, Zutphen, Netherlands, has ceased pgms of SWAPO, but they hope to have pgms on ZAPU, ZANU and POLISARIO this summer. Pgms recently have been on cultural and social life in Jamaica. Last pgm was on 21/5 on 6260. Next will be on 7395 and possibly 15320 and 6205, 16/7 at 1300. Tapes of JBC Radio One and some domestic US stations will be played (Mike Dawson, WDXC June mid-monther) more on this & others, LN-12/13

Westside Radio, 53 Charleston Rd, Dublin 6, Ireland. One night there was a knock on the door, just after midnight Wed 15/9/76. The Post Office had called to Radio Dublin's studio where Doctor Don was operating. Westside Radio was operated on SW by Don every Sunday morning from 10.30am to 1.00pm. Loads of mail was received from all over Europe. But alas, Westside was dismantled by the PO and only the linear survived. 6210 kHz was empty for over a year when suddenly on Sun 25/9/77, a loud noise was heard. Westside Radio was returning on 6210--it was back with 40 watts and was operated by Prince Terry (ex Radio Dublin). Rock music and Heavy Metal is the format with an Oldie show for one hour. Tune in to Westside Radio on 6280/6317 and Rock On with Prince Terry! Power is now 60 watts approx. We operate from several locations in Dublin and our antennas vary in direction but all are half wave. Our main aim is to provide Free Radio from Dublin and to send out some form of musical entertainment every week. Relays are also used from The Big D 273 MW, FRC Show. On the staff are Prince Terry, a semi-State employee. Paul The Engineer is a student. Paul Jones is a radio enthusiast. R. Westside International fqs are 6280, 6317, 6243.33 (RWI info release via Sam Barto)

**Radio Domino-X**, or R. DX, is a new Swedish pirate on 6228 kHz. A letter from the station says "Our aim is to speak for legal SWBC for DXers and hams in line with the new government proposal for 400 new local FM stations beside the monopoly of Radio Sweden. Our aim is to speak for legal rights of broadcasting on SW for DX clubs and DX organizations." (Geir Stokkeland, Norway, SCDX 13/6) Several motions to be presented to this weekend's Swedish DX Parliament concern possible SW stations run by and for Swedish DXers (George Wood, SCDX Ed.)

**Clandestine Broadcasting Network (CBN)** is on 26785, sked for 1100 on 12/6. Leaflet says: "...take part in a CBN broadcast. Our transmitter is well heard in many parts of Sydney. Why not send us a reception report...and for your copy of our program schedule, write to Radio CBN, 18A Milner Cres, Wolstonecraft." Nothing audible on freq and time given, here in Melbourne. Is in a fixed band. Wolstonecraft is in NSW, Postcode 2065 (Bob Padula, ADXN)

**CFAB** is a clandestine operating from the Niagara peninsula of Ontario on approx. 1620 kHz. Poor to fair at SWNS HQ, better at Hamilton, acc. to ODXA (SWNS, Niagara peninsula)

**Voice of Free America** New cland on 15020 2/7 at 0330. Test xmsn, trying to "work out the problems with the transmitter." Announced as "from somewhere in the Middle West, this is the Voice of Free America." Claimed to use 100 watts, but it's probably more. Believe this one to be a communist sponsored or at least communist operated from somewhere in Wisconsin (used a directional antenna; he was almost due north). Had a commentary on the values of the communist system, then gave his proposed schedule: beginning the last week of July or 1st week of August, with a 24 hour transmission the first day his transmitter becomes fully operational: 0300-0700 on 7500. 0700-1100 on 7100. 1100-1500 on 15020. 1500-1900 on 21800. 1900-2300 on 15020. 2300-0300 on 4200. From then on the sked is: 0400-0430 on 7100. 0500-0530 on 7500. 0600-0630 on 4200. 1200-1230 on 27125(CB). 1730-1745 on 21800. 1800-1830 on 15020 (Ben Radcliff, Ottawa IL) This smells a little fishy; further confirmation needed (gh)

**Radio VOCAD**, on 28625 at 0000 8/6, "the finest in bootleg radio programming", played live music on guitar. Anncr. made comments to engr. named "Chuck" or "Charlie". Also gave time and fq of VOV. 4-note IS (first 4 notes of "blowin' in the Wind"), run 50 W output. Possible Chicago Metro Area location (read out of Chi. npaper). Requested reports be sent to Chris Hansen's SPEEDX column, with full address published, from which they would QSL (Joe Potaczek, Chicago, Chris Hansen's July SPEEDX column)

**Voice of the Voyageur** hrd 11/6 at 0500-0505\*. They wanted to hear from listeners west of the Mississippi; Mike Maghakian wanted them to beam a transmission to the Bronx; however, they said their dipole was beamed north-south. Said they would turn it for 6220 program this winter to Europe. Played the "Glory" song and announced "100 watts of total insanity". Read a poem and signed off at 0505. Please QSL. (Lenny Saaf, 14 Whitford, Godfrey IL 62035) VOV is still heard, but more irregular, on 5850. Some of their personnel has been lost to the army and the workload and expenses are getting a little heavy. They plan on phasing out regular broadcasts by the end of July, tho they do plan on popping up every once in a while. The farthest report so far is from Newcastle, England, heard by Ruddy Edewich. (John Trautschold, SPEEDX GRAM) A call from VOV advises that someone has been sending out fake VOV QSL cards. They bear several colors of ink, and a hand-drawn "Voyageur National Park MN" postmark, and attribute the station to the Univ. of Minnesota. I've received one myself, in addition to the 'real' VOV QSL card. It's kind of neat for an illegal station to be beset with illegal QSLs.... On as usual 0400-0454\* Sun 23/7 on 5850, plugging a later test on 11700. Barely audible, SIO 111 there from \*0527 with IS (gh)

**Numbers Stations** New N. Korean espionage stn observed very irregularly on 5715 kHz around +1340-1350v\*. The same with other Korean spy stns, all are read by YL, but this stn is characterized by 4-digit numbers instead of usual 5-digit. Another peculiarity is that they pronounce "1" not as "il" as others do, but as "hana"! Another type of spy stn is on 4548 kHz at +1350-1405+ with Korean vocals without any annt to 1400, then sending messages in A1 mode (morse) (Isao Ugusa, FEDXR, Japan)

Female reading 5-digit groups of numbers in Spanish, 0819 23/6 on 9464a. AM, SIO 454. "Final, final" and off 0821. German numbers stn w/female ancr 0717 11/6 on USB 14950, ended with tone burst 0720; fair signal (David R. Alpert, IL)

## FUTURE PLANS

**BRAZIL** The new plan for stations on MW, including the more powerful ones, and on VHF/FM, includes the creation of a special broadcasting band for the frontier regions in order to neutralize the intrusion of foreign radios into Brazilian territory. A new stn is now operating in Rondonia trying to combat the reception of foreign radios (BBCMS 6/7) What are they afraid of? (gh)

**CHAD** RNT would soon have new CSF xmtrs allowing a second pgm to begin, including a 100 kW, a 20-kW standby, and a 20 kW for the N'djamena area (La Semaine Africaine, end of April, via BBCMS 29/6)

**COSTA RICA** The Chamber of Deputies of CR plans to establish the "Radio Nacional de CR". So they ask the general public and those interested for suggestions on programmes for this

ANDORRA LN-12

future station. Write to: R. Nacional de Costa Rica, Apt. 10227, San José (June CANDX)

**FRANCE** RFI has contacted the ITU about introducing evening pgms to the Americans. No decision has been made, but the proposed time would be 2300-0004 (Richard Jordan, ON, SCDX 20/6) Is this new info, or a reshuffle of old Apr LN-9 info, 2300-0400? (gh) France-Inter reported 23/6 that the Senate had adopted a Bill, already passed by the National Assembly, providing for sanctions for infringements of the State monopoly of BC. (BBCMS 29/6)

**GHANA** Info from BBC states that owing to the non-availability of essential spare parts, it has as yet not been possible to repair the xmters at Tema to enable R. Ghana to resume its external service broadcasts to Eur & NAM (BBCMS 6/7) (ECUADOR &) HAWAII LN-12

**ISRAEL** Eli Eyal, the new info chief of the Democratic Movement for Change party is amazed to find neglect in a major area of overseas Zionist info, namely Israel Radio's overseas broadcasts, which he charges are 'the stepchildren of the Broadcasting Authority'. His department has been subsidizing these broadcasts to the tune of IL23m, last year, and the IBA is now asking for almost double--IL45m. But, he complains, the World Zionist Organization had little say in their content and effectiveness. The most effective time to reach the Diaspora communities is between 1 a.m. and 6 a.m., Israel time, just when the IBA machinery goes to sleep, he says. He noted the lack of using the newest IBA xmt, which he says was the third strongest in the world. (Eyal did not note that the technicians refuse to work after 1 a.m. without special pay.). It originally cost IL100m, and was at today's prices worth IL250m. Eyal claims it is the latest word in SW radio. Eyal waxed indignant-- "Our Treasury man found that, due to non-use, IBA does not spend all of our allocation on our broadcasts." So they formed a committee to look into it with the enthusiastic support of the WZO and the Jewish Agency chairman Arye Dulzin. They resolved to revive Kol Zion La'-Golah under their aegis, which will broadcast in English, French, Spanish, Yiddish and Russian. Eyal speaks in terms of an independent Zionist and Jewish Information Authority operating this station, and if a change in the IBA law is needed they will lobby the Knesset. He has already heard grumbling from the IBA, but stresses that it would not impinge on their authority, for it concerns only overseas broadcasting (Mark Segal, Jerusalem Post)

**MALAYSIA** Per a VOM amnt 7/7, the stn will start a Burmese language service on 31/8. Efforts are also being made to intro pgms in Viet & Lao, depending on staff availability (BBC)

**NAMIBIA** Per R. RSA, the Administrator-General of Namibia has announced the formation of a multi-racial provisional board to control broadcasting there. It has been established in coop with the SABC and would deal with a number of BC issues including the establishment of a separate radio service after independence (BBCMS 6/7)

**NETHERLANDS** RN plans to begin a weekly 15-min Japanese service. The stn requests suggestions for suitable times and freqs (R. Australia Japanese DX, 25/6, from Yoshiaki Hayashi)

**QUEBEC** A Mr. Thomas of McLeans Magazine in an article "A Grand Design for a New Order" reported the Québec government plans to upgrade a "Radio Québec" (?) to compete with "Radio Canada" among other media moves to get better coverage of Québec (Tom Blossom, OH) In their curious way "Radio-Québec" and "Radio-Canada" refer to TV nets. The R-Q TV net was shut down by a strike/lockout during the ANARC convention (gh) **SPAIN** LN-13

**UKOGBANI** Proposals by the Govt "Think Tank" to impose swingeing cuts in the BBC External Services have been attacked by a Commons committee. In place of cutbacks, the all-party committee urges the gov't to find the money to improve audibility. The committee says it would be 'madness' to impose swingeing cuts at a time when other countries are stepping up their external broadcasting efforts." (BBC staff magazine ARIEL, 19/4, via SWNS) **USA** LN-13

**W A R C 1 9 7 9** A draft proposal issued by the European Broadcasting Union (Document SPB 62) for study by member states results from the EBU's Administrative Council meeting held in Spain 26-29 May 1978. The HF Broadcasting Proposal provides for these assignments: 3900-4060, 4750-4995, 5005-5060 (subject to condition that no interference is caused to existing services operating under the allocation to the broadcasting service in the Tropical Zone); 5740-6200, 7100-7500, 9400-9900, 11500-12025; new 22m band at 13699-14000; 15100-15700, 17500-17900, 21450-21850, 25600-26100. IT IS ALSO PROPOSED THAT THE 25600-26100 band BE USED FOR AN INTERNATIONAL SOUND BROADCASTING SATELLITE SERVICE (Rob Williams, NSW, ADXN)

**DX PROGRAMS** **CANADA** The humorous SW review by our friend Mr. Freygood, has been rescheduled to 1445 approx. on Mondays, via the CBC Northern Service 9625 & 11720 (Louis Goldstein) i.e., toward the end of the second hour of Morning Service, also audible thruout Canada on CBC AM radio. (gh) Mailbag and DX Digest on RCI was heard on a Saturday 10/6 at 1800 on 15260 and 17780! (Lenny Saaf, IL) Another tape mixup, no doubt. However, I have been urging that DX Digest be moved to Sats--or even Fri eve on NAM svc, so DX listeners would have the tips at the beginning, rather than the end of each weekend's listening time. Perhaps some further requests from listeners would persuade RCI to do this. Meanwhile, please keep the tips coming, deadline Fridays 1400 GMT normally. Phone (prepaid) if necessary weekdays at WUOT 615-974-5375; 1200-0400 GMT home 522-4497(gh)

**CANARY ISLANDS** "Canarias-DX", the weekly Sat 2200-2230 Spanish DX program, could rarely be heard well here on 11880, but now Tenerife has moved to 11815 at 1400-2000 & 2145-2400 for Central & North America, so try that. Their only other SW xmsn is Sun only on 15365 at 1400-2000 to 5AM in Spanish (via Ambrosio Wong, PQ)

**HUNGARY** R. Budapest's DX show was encountered Sun 23/7 at 0315 during normal transmission. They asked for comments on carrying it at this hour. I'm for it, as 0400 can be inconveniently late in EDT zone (gh)

**NETHERLANDS ANTILLES** I was horrified to find TWR DX Special already in progress when I tuned in Sat 22/7 at 1207, and it ended at 1213--so it's been retimed to 1200 or so; their clock was fast; or they're cavalier about precision; on 11815. Fortunately, I was still able to garner one dandy "Don't You Believe" item showing they don't know the difference between kHz and MHz (gh)

**SRI LANKA** "Radio Monitors International" now includes a taped "North American DX Report" from Matt Brown of Wisconsin (SPEEDXGRAM) It is hoped to have a taped report from the Australian Radio DX Club once a month in the near future (ADXN July) **TURKEY** LN-13

**UKOGBANI** BEC's Portuguese DX program is on the air every Tuesday at 2235-2245 (Roberto Levinstein, SFR DX 23/7) **URUGUAY** LN-13

**U S S R** It appears that Pavel Kuznetsov has been purged from his R. Moscow DX program (or perhaps he's just on vacation). The 22/7 edition was identified only as "R. Moscow DX Club" and it was presented by another more comprehensible announcer. Kuznetsov has received considerable criticism in the DX press for his lifting of material from SCDX, and for his many flubs revealing lack of familiarity with DXing and geography (gh)

**PROGRAM NEWS** **ARGENTINA** RAE, Ayacucho 1556, 1112 Buenos Aires, is publishing quarterly program schedules again. Send a minimum of 5 self-addressed envelopes, assuring you will receive them for a year (Tom Blossom, OH)

**CANADA** For those seeking easy listening this summer, the pop music series *Summertime Out* is heard Sats at 1534. MC'd by showbiz host Kevin Gillis (of CBC Radio's *The Entertainers*), *Summertime Out* presents recordings by many of the major names in international pop entertainment including Roberta Flack, Rod McKuen, Chicago and Stevie Wonder. Produced in Toronto (CBC Closed Circuit, 4/7) Presumably replacing Yes, You're Wrong on CBC NS (gh)

**CZECHOSLOVAKIA** R. Prague included a 4½-minute UN Radio anti-apartheid feature on its 2/7 "Mailbag Magazine" pgm in the 1730-1830 EG to AF, and promised more of same (BBC MS 6/7)

**UKOGBANI** BBC WS scheduled coverage of the Commonwealth Games at Edmonton: daily games reports Sat 5/8 thru Fri 11/8 at 0145-0200, 0630-0645 and 1330-1345. Sats 5/8 & 12/8 on Saturday Specials 1330-1745. Sat 12/8 games reports at 0145-0200 & 0630-0645. Sun 13/8 at 0145-0200, 0630-0700 and 1330-1400 (Don Dawson, Alta) Some other August BBC highlights--**Europa** invites BBC correspondents in Spain, Austria, Portugal and Sweden to give a broader, more reflective view of the countries, Sats 0815, 1115; Suns 0215, 2015. If you can get decent reception at 1830, enjoy *live Promenade Concert* broadcasts on Aug: 7, 8, 12, 15, 16, 19, 22, 24, 26, 28. *Sounds Latin* is a great introduction to the different musical styles of Latin America, which you can apply to your DXing--Mons 1430, Weds 2130, Thurs 0630, Fri 0830. *Stories by Susan Hill* are read Sats 0220, Mons 1030, Weds 2030, Thurs 1615. *Becket*, the play by Anouilh, will be broadcast 18/8 at 2015, 20/8 at 0030, 1130 (gh)

**U S A** WYFR has two goodies coming up 12/8--on Open Forum, "Did all the people of Israel have to make a sin offering? What did they do with all the blood of the offerings?" at 1610, 1905, 2205, 13/8 0305. And on Conference Echoes, "The Foolishness of the Gospel" at 1800, 2100, 13/8 0200. And on Open Forum, 2/9 same times as above, "How much can we know of Satan's influence in another's life?" (gh, from skeds via Richard Swanson, IA)

**PUBLICATIONS** *Down Under DX Survey* No. 11, dated 11/6 is available by airmail for 3 IRCs or 50c in mint Australian stamps in ANZ; 6 IRCs to rest of world. 12 crammed and sometimes hard to read mimeo pages, including much valuable original research--survey of 4000-5100 kHz As/Pac/US/R stns, 2 pp; Indonesian MW news, stn addr, verie signers, 2 pp; *Clandestine Communiqué*, exc. from "Decent Interval" by Frank Snapp, 1 p; reception in Perth; broadcasting in Laos; Indian subcontinent HS survey; updated list of Indonesian Kabupaten and Kotamadya, etc., etc. Order from 7 Donald Road, Burwood, Victoria, Australia 3125 (gh)

**DXers Listening Service**, Bernd Friedewald, Marianstr. 2, D3588 Homberg, West Germany, offers list of EG BCs to Eur for 5 IRCs; DX pgms for 2 IRCs; programs to N&C&SAm, including 53 stns from 48 countries, 4 pages; 3 IRCs or 4 if by air (Budapest DX pgm 1/7)

**Caroline Newsletter** No. 5 is out, from P O Box 35, Crawley, Sussex. Just 50p (in UK). A1-so has info on models of the Mi Amigo (Patrick Travers, WDXC Mid-Monther)

**R A M A D A N** runs 5/8 to 4/9/78. Don't You Believe 1978 World Almanac for 1979 dates!(gh)

TIME JUMPS

R. Sweden announced 26/6 that Sweden would not introduce summer time in 1979, in line with decisions by Denmark, E & W Germany (BBC MS)

LAST MINUTE ITEMS

ANDORRA BBC Euro service says there will possibly be an Arab-controlled stn here, in addition to the present two commercial stations (Medium-Wave News, via July WDXC Contact)

CHATHAM ISLANDS C.I. Radio has been heard with daily news service at 2015 on 2556 kHz. A 5-min bulletin of wx, amts of local activities, and other notices (Arthur Cushen's DX World, via SCDX 11/7) 700 km E of NZ; don't seem to be listed in WRTVH (Geo. Wood, SCDX Ed) Have been in the past. This in fact is a utility coastal stn; good thing we can't hear it, to avoid squabbles on whether it's SWBC or ute! (gh)

CONGO Brazzaville on new 4845 //4765, \*2030 (Mohammed Lemine Saleh, Mauretania, SCDX 11/7) RTVC hrd with EG on Thurs only for teachers in the Congo. 2200-2256 on 15190 (Mark Lukosavich, OH, SCDX 11/7)

DENMARK As always, DR hopes to get a 500 kW xmtr, but it seems not much further along than the dream stage. Broadcasting in EG is still illegal due to Danish law, but the station saves its letters which still come in asking why there is no English anymore. They now QSL reports from all over the world, since previous non-verifying policy severely cut the flow of mail. Meanwhile, the 4-person staff (2 announcers & 2 secretaries) hopes that Denmark's voice will once again be important in the future (Bruce Boomer, visiting Denmark, July REVIEW OF INTERNATIONAL BROADCASTING)

FALKLAND ISLANDS FIBS on 2370 has increased power (Gavin Short, Falkland Islands, SCDX 11/7) How much? Currently listed as 500 watts (SCDX Ed.)

GUATEMALA DXers interested in becoming monitors for the new Adventist World Radio stn planned to go on the air in Aug or Sept, can write to : Robert Folkenberg, AWR, Apt. 35-C, Guatemala, Guatemala (Edwin Stickle, USA, SCDX 18/7)

GUINEA Conakry hrd on new 9820 in FR at 1300 //15308/9650/7125/6155/4910 (Mohammed Lemine Saleh, Mauritania, SCDX 18/7) Good harmonic catch--it's 2 x 4910 (gh)

GUINEA-BISSAU 7150 kHz no longer used, replaced by 4970, \*1200 //5041 and 1070 (Mohammed Lemine Saleh, Mauritania, SCDX 11/7)

HAWAII We plan to turn over our construxion permit for a SW station on Maui, but not the property, to HCJB Quito, if the Commission approves (Cliff R. Scott, G.M., KAIM Honolulu, 13/7 letter to Dave Walcutt, TX) The call "KCJB" is already established, in Minot ND (gh)

HUNGARY Be sure to tune in 26/8 at 2100, 0200 or 0300; or 27/8 at 1030, 1200, 1430, to hear R. Budapest's answer to the question "What is the Tihany Echo" (Bud. International)

INTERNATIONAL WATERS (Cf LN-6) Voice of Peace's formula for peace in English is "Think good thoughts, eat well, but when you drink, drink only water, just water." This is followed by a jingle "Drink cool refreshing water--there's nothing better for Ya". (Ron Blair, July WDXC Contact)

ISRAEL Israel Radio's tentative S78 EG sked: 0500-0515 on 9833 (or possibly 9815), 11655, 11960. 1200-1230 on 11655, 15405, 15530, 17685, 21495. 2000-2030 on 9815, 11655, 2230-2300 on 9435, 9815, 11655, 15485. Main freqs only, audible in Nam (Larry Magne, PA)

LEBANON R. Lebanon hrd in SP to Nam 0330-0400 on 17760 (Shigenori Aoki, Japan, via Seiichi Hasegawa, SCDX 11/7) R. Lebanon is using 17865, 15440 and 11755 for 1830-2030 BCs (Mohammed Lemine Saleh, Mauritania; David Thickett, England, SCDX 18/7) I thought they only had one transmitter (gh)

MONGOLIA No luck hearing R. Ulan Bator on 12070? Try 12068! (gh) UB hrd on 12068 in EG at \*1220-1250\*: nx, commentary, mx, anthem at s/off; first hrd 21/6 (Ed Kusalfk, Ont, ODXA)

NORWAY Tho R. Norway's BCs are obviously aimed at the massive Norwegian merchant fleet, sailors aren't too fond of writing letters. So their EG half hour is very valuable to them in generating reception reports. They want larger numbers of reports from DXers. SW from Norway is in a very secure situation. They are using a 500 kW xmtr (listed as 250) which for test purposes is cranked up to various different powers. Unannounced, they change power to see the effects. There are no plans to change the programming (Bruce Boomer, visiting Norway, July REVIEW OF INTERNATIONAL BROADCASTING)

PIRATES The broadcast of Capital Radio, London, on 6240 kHz April 1-2, was by Action Radio, on a platform in the North Sea, some miles from the British coast (A. Rietveld, Netherlands, SCDX 11/7) Radio Rastafari International is a Dutch pirate that is semi-political, including items from African liberation movements, and playing only reggae music. It has been relayed by Skyport Radio on 6260, the third Sunday of the month at 1300-1400. They now plan to use a 20 watt xmtr on 11750. (Ian Biggar, Scotland, SCDX 18/7) European Music Radio as from either Aug or Sept, will switch from 6265 to a new freq in the 41m band. Keep an earole out the 3rd Sunday of the month (Patrick Travers, WDXC mid-monther) Earole? (gh)

R. Kermit was hrd 4/6 at 0915 on 6225, announcements spoken by a gruff voice that this was their 3rd test xmsn. Pop & light mx. Addr given was: Kent Place, Norwell, Newark, Nottinghamshire, England. R. Intercontinental also hrd 4/6 at 1025 on 6275; from Holland with broken English. Pop mx. R. Corsair back after a couple months with improved aerial system; tests every Sun morn on 6255; reports wanted to 134 Eastworth Rd., Chertsey, Surrey, England (A. Crookes, WDXC June Mid-Monther)

RHODESIA Two of the first blacks to be appointed to the board of governors of the state-run RBC have resigned after only five days. In a joint letter of resignation this week, Washington Sansole, an attorney, and the Rev. Charles Manyoba said they did not believe they could change the role of Rhodesian radio and TV as pro-Government propaganda outlets. "We honestly believed that we could effect change," they said. "We are advised that our belief is misplaced." (Reuters, 15/7, via NY Times, via R. Stoller, NY)

SPAIN REE has recorded 36 Spanish language lessons for English listeners, and hopes to start airing them this fall (Ambrosio Wong, REE DX Ed., 16/7 at ANARC-Montreal)

TANZANIA R. Tanzania can sometimes be heard on 15435 with Voice of Namibia at 0415 in EG and vernaculars to 0430; includes interval signal, time signal, news, editorial review (Martyn Madeley, IL)

TURKEY VOT continues to send out a heavy quarterly programme-booklet, listing in English, French and German the titles of programs broadcast in Urdu, Persian, Arabic, Rumanian, Greek, Bulgarian, Serbo-Croatian(sic), German and French. Besides English, DX programs in other languages are now in Greek during the 1530-1600 Wed pgm on 7270; in German on Thursdays at 2000-2100 on 7170; and in French on Fris 2100-2130 on 7170. EG is Mon/Thu/Sat at 2235-2255. Some other EG pgms-- Weds 2145-2200 Tales of Turkey, 2200-2230 Oldies But Goodies. Thurs 2145-2200 Album of Turkey; Sats 2145-2200 Lend Us An Ear, 2200-2215 Spotlight on Turkey (gh)

TWR is currently in need of short-term workers who could serve for about a year in one of our overseas locations. Those needed are technicians, engineers, board operators, transmitter operators, studio and production workers. If you are interested write us at: Trans World Radio, 560 Main St., Chatham, NJ 07928 (undated TWR "China" mailer, via Tom Overcamp, SC, July)

URUGUAY Centro de Radio Aficionados Montevideo broadcasts a weekly technical bulletin over stn CX1CCC, Suns 1430 on 7010. CRAM invites contributions from hams and SWLs. The address is CRAM, Casilla 966, Montevideo (Carlos Daubarás, Argentina, SCDX 11/7) This is the part of 40m usually set aside for CW only (George Wood, SCDX Ed.)

USA FEBC received 44,375 letters last year as a direct result of KGEI's Japanese broadcasts. Many of these are from SW enthusiasts, known as DXers. A DXer will write KGEI for what is called a QSL card, which confirms his reception. DXers collect QSL cards from stations all over the World. KGEI welcomes letters from DXers, because they too need Jesus Christ! (Steve L. Overstreet, KGEI Newsletter, July)

By God's mercy Family Radio owns five high powered xmtrs, each of which operates on the average of 14h per day. Each time a xmtr is turned on the Gospel of salvation is beamed to a potential audience of millions of people in a land across the seas. To operate a single xmtr for one hour, including the costs of program production and all engineering and transmission costs, involves an expense of about \$31.00 (WYFR July dun)

VOA expects to close Bethany and Dixon around 1980. The transmitters will be kept in mothballs, as standby. Next April, we plan to go to a double-satellite feed to the Philippines relay; and in 1980 a satellite feed to European and African relays. We are also considering broadcasting in Farsi sometime in the future (Paul Modic, VOA program manager, at ANARC-Montreal, 16/7) VOA-Delano has a new dipole-curtain array type antenna, currently operating on 6 and 9 MHz bands with a 250 kW xmtr. The model 611 TCI antenna has a wide-band design, allowing it to operate on the 7 MHz band as well, should WARC 79 expand the current SWBC bands. It's rated for up to 22 dBi of gain (August Popular Electronics)

There is a big row looming in the USA about the new micro-wave radar stn at Cape Cod which sits in a 100ft high blast-proof pyramid, and beams at an angle of 3° above the horizon two very powerful beams which can track an object the size of a car 3000 miles away in Europe. Due to open in the summer, the stn is to be followed by another in California. Called the Precision Acquisition of Vehicle Entry Phased Array Warning System (PAVE PAWS), the row is about the local effects of such high powered microwave beams (Des Colling, WDXC)

THE PULSER The USSR seemed to have ended its 'experiments' a couple months ago, but The Pulser is again being heard, e.g. 25/7 around 9580 kHz (gh)

UNIDENTIFIED 12080 A mystery. In May while in the Mid-West I was hearing an extremely strong signal from a station in Chinese, with non-communist-type programming. Assumed someone would have IDed and reported it by now (Magne)

COLORADO ASSOCIATION OF DXERS (COADX) will have a DX get-together at Rob Harrington's, 3181 S. York, Englewood, 14/8 (GMT) at 0030-0400 (13/8 local date). Info: 303-781-1185 (COADX)

# naswa AWARDS reports

Dan Henderson  
7921 Anfred Drive  
Laurel, Maryland, 20810

August, 1978

The following report gives all awards issued during the period 1 April 1978 through 30 June 1978. All awards are listed in Chronological order of issue.

## AFRICAN CONTINENTAL DXER

Pitt McNeil  
Paul Routenburg  
Onil Gionet  
Ed Kusalik

## AFRICAN CONTINENTAL DXPERT

Bill Whitacre

## EUROPEAN CONTINENTAL DXER

Daniel J. Prisco  
Michael J. Saley  
Mitchell Taylor  
David W. Carter  
Kenneth I. Frank  
John L. Pepper  
Ewald Bartunek  
Jim Green  
Martin B. Mark  
Robert A. Goss  
Robbie Berezowski  
S. David Klein  
Ben Radcliff  
Wade Moore  
Ed Kusalik  
Thomas Lebyrk

## EUROPEAN CONTINENTAL DXPERT

Jim Huniwell  
Albert E. Cannon, Jr.

## SOUTH AMERICAN CONTINENTAL DXER

Ed Kusalik

## SOUTH AMERICAN CONTINENTAL DXPERT

John J. Moritz

## NORTH AMERICAN CONTINENTAL DXER

Albert E. Cannon  
Mitchell Taylor  
Paul Routenburg  
Ed Kusalik

## DXER DE PACIFICA

Ralph Alm  
Jim Fedor  
Paul Routenburg

## ASIAN CONTINENTAL DXER

Paul Routenburg  
Gerry Bishop  
John J. Moritz  
Ed Kusalik

## WORLD WIDE DXER

Daniel J. Prisco  
Michael J. Saley  
David W. Carter  
John L. Pepper  
Stephen H. Ponder  
Majorie Burns  
Dean Birkhauser  
Morton S. Ronick  
Robbie Berezowski  
David Benner  
Robert J. Vance  
James Smallwood  
Stuart Grossman  
Nick Pappas

## DX CENTURION

Robert Fleck  
J. Huniwell

## SENIOR DX CENTURION

Thomas George Gavaras

## ALL CONTINENT QRP DXER

Neal Weaser--50 KW  
Mitchell Taylor--50 KW  
Jim Fedor--50 KW  
Pitt McNeil--10 KW  
Paul Routenburg--10 KW  
Ewald Bartunek--50 KW  
John J. Moritz--25 KW  
Ed Kusalik--10 KW

## SENIOR NIGERIAN DXER

Jim Fedor  
John J. Moritz

## MASTER NIGERIAN DXER

Gerry Bishop  
Ed Kusalik

## SOVIET SPHERE DXER

John J. Moritz  
Pitt McNeil

## MASTER SOVIET DXER

Albert E. Cannon  
Ed Kusalik  
Onil Gionet

## ORTIF DXER

Ed Kusalik

Ewald Bartunek  
Clarence Wilson  
Greg Danylchenko  
Robert A. Goss  
Dave Twigg  
S. David Klein  
Ben Radcliff  
Wade Moore

## EMISSORA REGIONAL DXER

Ed Kusalik

## ECCLESIASTIC DXER

Albert J. Muick  
Ewald Bartunek  
Paul Routenburg  
James Smallwood  
Robert McIntosh  
Dave Twigg

## MAPLE LEAF DXER

Ed Kusalik

## VOA DXER

Paul Routenburg  
J. Roland Desrosiers  
Ed Kusalik

## SENIOR BRITISH DXER

Tom Overcamp  
Pitt McNeil  
Gerry Bishop

## ARAB WORLD DXER

John J. Moritz  
Albert E. Cannon  
J. Huniwell

## SENIOR ECCLESIASTIC DXER

John D. Tuhscherer  
John J. Moritz  
Edward J. Insinger

## SENIOR PAPUA NEW GUINEA

Albert E. Cannon

## MASTER PAPUA NEW GUINEA

This is the fullest quarter ever. Sorry for the delays in sending certificates. Work and vacation caused QRM. 73, Dan H. Bill Whitacre

# QSL REPORT

Sam Barto, NASWA QSL Editor  
245 Cherry Ave., J-11, Watertown, Conn. USA 06795



**ADMIRALTY ISLANDS:** Radio Manus 3905 f/d "Map" cd. & small paper pennant in 15 ds. for ms. Bumper sticker also rcvd. (Howard). In 3 wks. (Cannon). in 20 ds. for 2 IRCs. v/s Jack M. Arlfeae, DX Officer. (Glazzy)...Very nice gentlemen...Sam.

**ALBANIA:** Radio Tirana 7300 cd. in 60 ds. (Thibodeaux).

**ALGERIA:** Radio of the Democratic Peoples Rep. of Algeria 11740 f/d logo cd. in 3 wks. for a FR rpt. Transmitter site for this freq. is Bouchaoui. SWBC # 600 from Africa. (Barto). 15160 w/ same cd. in 36 ds. for 2 IRCs (Onken). 9685 same f/d cd. in 137 ds. for EG rpt. (Hoffman).

**ARGENTINA:** LOL 10000 plain white folder type cd. in 3 wks. for a SP rpt. and ms. v/s Hector R. Ghio, Cpt. de Corbeta Jefe.

**ARMENIA:** Radio Moscow via Yerevan on 15150 w/ f/d (Lazarus). cd. w/ site in 5 wks. This was for the African transmission. (Lobdell)...See you in Sept!

**ASIATIC RUSSIA:** Radio Moscow via Komsomolsk-on-Amur on 9500 in 46 ds. (Wallace). Khabarovsk on 11720 in 1 mo. for the NA Service. (Barto). Vladivostok on 15130 in 5 wks. for the EG Service to SEA. (Lobdell). Petropavlovsk-Kamchatsky on 15140 in 46 ds. (Wallace).

**AUSTRALIA:** Radio Australia via Shepparton on 17795 w/ "Lorikeets" cd. in 16 ds. for 1 IRC. (Eastman). same cd. for 21525 in 5 wks. (Barto). "Sydney Opera House" cd. for 17795 via Shepparton in 5 wks. (Barto). same cd. for 17870 via Carnarvon in 3 wks. for 2 IRCs. (Lobdell). "Flowering Mallee Gum" cd. for 9580 via Shepparton in 21 ds. for 1 IRC. (Fraser). same site & cd. for 17795 in 92 ds. (Byron). same for 9580 in 4 mo. (Sellers). "Common Fringe Lilly" cd. for 17795 via Shepparton in 81 ds. (Batson). "Kangeroos" cd. for 11900 via Carnarvon in 3 mo. (Lobdell). VLW15 15425 via Wanneroo in 1 mo. (Margritz). VLM4 4920 via Brisbane in 30 ds. for 2 IRCs (Thibodeaux). VNG 7500 via Lyndhurst w/ folder cd. in 42 ds. (Valko). same for 12000 in 21 ds. for 2 IRCs. v/s P. Lenney. (Danylchenko). VLH9 9680 via Lyndhurst in 42 ds. for 2 IRCs. (Thibodeaux). VLW9 9610 via Wanneroo in 18 ds. for 2 IRCs. (Danylchenko) same in 21 ds. for 1 IRC. (Levin)...Very nice mixture from Australia.

**AUSTRIA:** ORF 15320 f/d "Phantasmagorical Landscape" cd. in 34 ds. (Fraser). same cd. in 40 ds. for ms. (Levin). 15320 w/ "Lovers" cd. in 5 wks. (Lobdell). same cd. for 9770 in 26 ds. (George). 9770 w/ f/d cd. in 2 mo. (Dumont)...I've got to check out that 'Phanta' cd...Sam.



**BELGIUM:** BRT 9760 w/ f/d cd. for 1 IRC. w/ pennant. (Bere-zowski). 6080 w/ f/d "Globe" cd. in 74 ds. for 1 IRC. w/ pennant & stickers. (Neff). same in 29 ds. for ms. (Glazzy). same in 41 ds. My rpt. was read on "Listeners Mailbag". (Eastman).

**CEARA Radio Clube**

SUPPORT  
NASWA & FRENCH

**BENIN: La Voix de la Revolution** 4870 "Multi-Scene cd. in 37 ds. for a FR rpt. and 3 IRCs (Prisco). in 52 ds. for 2 IRCs and a FR rpt. (Onken).

**BIAFRA: NBC Enugu** 6025 ltr. in 2 mo. v/s N. Mesigo, Engineer in Charge. (Over camp). in 6 wks. for 2 IRCs. (Lobdell).

**BOLIVIA: Radio Emisoras Bolivia** 4756 very nice personal ltr. in 1 mo. for a SP rpt. v/s Oscar Elias Siles, Director General. Blue pennant was also received. (Barto).

**BONAIRE: TWR** 11925 f/d cd. in 2 mo. for 1 IRC. (Levin). same in 21 ds. for 1 IRC. v/s Mrs. D. Viola Akker. (Eastman).

**BRASIL: (Our host country)**

**Radio Cultura** 17815 f/d ltr. in 62 ds. for an EG rpt. v/s Ana Maria Caldas, Asst. Administrativa. (Howard). **Radio Capixaba** 4935 ltr. w/ post cards in 2 mo. for a PT rpt. v/s Hugo Borges Junior. (Barto). **Radio Bandeirantes** 11925 f/d very friendly EG ltr. in 78 ds. v/s Paulo L. Manfredini, Asst. Technician. (Howard). **Radio Borborema** 5025 post card in 111 ds. for a PT rpt. and ms. v/s Jose Rogerio Donascimento. (Hoffman). same in 5 mo. for a PT rpt. and ms. (Lazarus). **Radio Educadora de Uberlandia** 3345 post card in 3 wks. (Barto).

**BULGARIA: Radio Sofia** 9707 f/d "View of Melnik" cd. in 37 ds. (Fraser). 15310 w/ f/d cd. in 50 ds. (Wallace). 11750 w/ f/d "Bachkovo Monastery and Pamporovo" cds. in 3 wks. (Matthews). 9700 w/ "Sofia University" cd. in 75 ds. (Levin).

**CANADA: CFRX** 6070 "Boat" cd. in 58 ds. (Levin). **CHU** 14670 "Sir Sanford Fleming" cd. in 20 ds. (Margritz). in 16 ds. (Burns). 7335 in 9 ds. for 1 IRC which was returned. (George). 3330 in 12 ds. (Cannon). RCI 5960 w/ fill-in-card in 10 ds. w/ pennant (Byron). in 9 ds. (George).

**CHINA: Radio Peking** 9780 w/ "Train in Forest" cd. in 15 ds. (Levin). 17680 w/ "Logging Camp" cd. in 20 ds. for 1 IRC. (Burns). in 21 ds. w/ "Steel Foundry" cd. (Fraser).

**COLOMBIA: Radio Santa Fe** 4965 no-data "Field Worker" cd w/ sticker and a pennant in 227 ds. for a SP rpt. and ms. v/s Luisa Vda. de Bernal. (Glazzy). **Radio Guatapurí** 4815 personal ltr. in 40 ds. for a SP rpt. Also rcvd. a pennant. v/s Maritza Peralta Campo, Dpto. de Correspondencia. (Ponder). **Radio Bucaramanga** 4845 f/d "Logo" cd. in 14 ds. for a SP rpt. and 1 IRC. Also rcvd. 2 "Bumble Bee" decals. (Cannon). **Radio Sutatenza** 5075 f/d "New Years" cd. in 73 ds. for a SP rpt. and 2 IRCs. (Danylchenko).

**CUBA: Radio Havana** 17750 f/d red and black cd. in 123 ds. for a Gilfer form. (Batson).

**CZECHOSLOVAKIA: Radio Prague** 5930 f/d "Castle of Prague Hradcany" cd. in 55 ds. (Sellers). in 2 mo. w/ f/d "Tatra Mountains" cd. (Levin).

**DOMINICAN REP: Radio Comercial** 4882 personal ltr. in 16 ds. after my 12th follow-up!!! Took 3 years and 9½ mo. to get this one! v/s Ing. Andres Julio Brea G., Director-Administrativo. (Lazarus)...Who else?...Nice QSL Henry. Not reported too often...Sam. **Radio Clarin** 11700 f/d "Map" cd. in 14 mo. for an EG rpt. and 1 IRC. (Tuchscherer).

As the song goes.....See You in September.....Sam.



Building of the Radio JORNAL DO COMMERCIO

We hope you will continue to listen to our programs which are broadcast at the following times:

Simultaneously on four short-wave stations

Daily from 09:00 to 03:00 GMT

ZYK-2

6085 KHz

49m

ZYK-3

9565 KHz

31m

ZYK-33

11825 KHz and

25m

ZYK-32

15145 KHz

15m

The Radio JORNAL DO COMMERCIO thanks you for your interest.

The Radio JORNAL DO COMMERCIO in North Brazil has great pleasure in confirming your letter, and any further reports or comments you may care to send will be most welcome.

The Radio JORNAL DO COMMERCIO is not only a powerful commercial station but an international voice bringing you the friendship of the Brazilian people.



XI Commonwealth Games  
EDMONTON 1978  
XI Jeux du Commonwealth

via Don Dawson

POST CARD

Dear Listener,

Thank you for your Report.

This confirms that you were listening to BC on JUN 1979

at 0955-1000 A.E.T.,  
G.M.T.

This Transmitter is located at  
1, Mossby and operates on  
4760 khz, 60 metres.  
Power 10 Call Sign, P2T4,  
Triadic array aerial system.

REMARKS: The Bristol Switch was moved half way to  
Freq. 9520KHZ. This fault was discovered, 5  
days later.

via  
Tom Overcamp &  
Syd Osterman

ECUADOR: HCJB 9560 "Bread Dough Doll" cd. In 27 ds. (McCants). In 5 mo. w/ same cd. (Jordan). 15300 w/ f/d "Clo-wms" cd. In 2 mo. (Barto). 9560 w/ f/d "Coffee Harvesters" cd. In 24 ds. for ms. (Fraser). 9560 w/ "Fisherman" cd. In 2 mo. (Sellers).



**Rádio Tabajara**

OPÇÃO DE QUALIDADE

EGYPT: Radio Cairo 6230 f/d "Camel and Rider" cd. in 4 mo. w/ schedule. (Eastman).

ENGLAND: BBC no-data cd. in @ 1 mo. (Dumont).

ETHIOPIA: Radio Voice of Revolutionary Ethiopia 4905 personal ltr. w/ a verie statement in 3 mo. for an EG rpt. and IRCs. v/s Yohannes Ruphael, Programme Exchange Co-Ordinator. Ltr. states that QSL cards and schedules are now being printed. (Lazarus)...First time report here Henry...NEDS reports that Berg has just rcvd. a ltr. from this station...Sam.

EUROPEAN RUSSIA: Radio Moscow via Moscow on 12050 w/ f/d cd. in 34 ds. (Leithner). 9530 in @ 1 mo. for the NA Service. (Barto). 9680 in 39 ds. (Ponder). 15460 in 6 wks. for the EG to Africa Service. (Lobdell). 11770 in 41 ds. (Fraser). 17875 via Armavir in 1 mo. for the EG to Africa Service. (Barto). 11885 in 5 wks. for the same service. (Lobdell). 17880 via Tula in 5 wks. for the EG Service to SEA. (Lobdell).

FEDERAL REP. OF GERMANY: RFE/RL 17725 "Map" cd. in 100 ds. for 1 IRC. (Levin). VOA Munich 6195 "Four Seasons" cd. w/ wrong date in 195 ds. Three of my requests for frequency skeds were ignored. What's happening? (Desrosiers)...Don't know...Sam. Deutsche Welle 7210 cd. in 4 mo. w/ blue pennant. (Margritz).

FINLAND: Radio Finland-15265 cd. and pennant in 35 ds. (Vogelman). 15270 f/d cd. in 36 ds. w/ pennant. (Byron). 15105 f/d "Finnish Flag" cd. in 5 wks. (Lobdell). "Spring in Finland" cd. in 2 mo. (Margritz). same in 22 ds. for 1 IRC. (Fraser).

FRANCE: RFI 17720 f/d "Parls Scene" cd. in 71 ds. (Willever). 15200 w/ f/d "Canal" cd. in 81 ds. Also received their program schedule. (Swanson).

GALAPAGOS ISLANDS: La Voz de Galapagos 4810 freq. only cd. in 93 ds. for a SP rpt. and 2 IRCs. v/s Padre Raul Pinto. (Glazzy). in 3 mo. for a SP rpt. (Barto).

## Radio Dragão do Mar

Rua P. Pereira 383  
Fortaleza - Ceará

Fortaleza, April 25, 1978.

To  
Mr. Ronald Howard  
777 Via Hierba  
Santa Barbara -Calif.  
USA.

We are very pleased to receive your reception report of Radio Dragão do Mar on 4.925 KHz in Santa Barbara, California.

We are glad to confirm that the details you submitted of our programs are correct according to our transmission Log of April 8, 1978, at 08.44 /09.00 GMT.

You will be interested to know that our short-wave ZYH-23, operates on 4.925KHz with a power of 5 KW, using a single dipole, 70 feet high, the transmitter is situated on the outskirts of the market city of Fortaleza, on the Atlantic ocean border.

Best regards,

Yours sincerely,

*Reinhold de Souza*

**GALAPAGOS ISLANDS:** La Voz de Galapagos 4810 f/d "Bir of Galapagos" cd. in 60 ds. for a SP rpt. and 1 IRC. (Onken). f/d cd. in 29 ds. for a SP rpt. and 2 IRCs. (Dalum).

**GEORGIAN SSR:** Radio Moscow via Tbilisi on 17805 w/ f/d "Birch Trees" cd. in 46 ds. (Wallace).

**GERMAN DEMOCRATIC REP:** RFI 11890 f/d "Gold Medalist" cd. in 54 ds. for 2 IRCs. (Thibodeaux). 21540 w/ "RFI DX Club" cd. in 2 mo. Ltr. rcvd. from Rudi Friedel. (Lobdell).

**GHANA:** GBC 6130 via Accra w/ f/d cd. in 370 ds. v/s J. Y. Assasie, Director General. (Colacarro). 4915 w/ f/d cd. in 2 mo. (Margritz). in 62 ds. v/s A. Blain. (Pyne). in 46 ds. for 2 IRCs. Addr: The Propagation Engineer, GBC, Monitoring Section, P.O. Box 1633, Accra. (Onken). 4980 in 4 mo. w/ station schedule. (Sellers). ritz).

**GREECE:** Voice of Greece 11730 f/d white cd. in 1 mo. (Margritz).

**GRENADA:** Radio Grenada 15105 f/d dark yellow cd. in 65 ds. for 2 IRCs. (Danylchenko). in 4 mo. for 2 IRCs. (Prisco).

**GUAM:** KTWR TVR 15175 f/d "Map" cd. in 5 mo. for 2 IRCs. (Wiles). same in 2 1/2 mo. v/s S. Roessner. (Bares).

**HAWAII:** WVVH 10000 "Catamaren" cd. in 29 ds. (Levin).

**HUNGARY:** Radio Budapest 15225 f/d cd. in 20 ds. Also rcvd. membership certificate in their DX Club... #W-1423/RB. I will be visiting Hungary later this year. 15225 transmitter site is from Jaszbereny. (Byron). same in 43 ds. w/ pennant. (Leithner). 11910 via Jaszbereny in 15 ds. (Byron). orange cd. w/ green and white pennant in 9 wks. (Sapoznikow). 9585 w/ f/d blue and silver "Globe" cd. in 44 ds. (George).

**ICELAND:** Gufunes Radio 12175 f/d

"Four Scenes" cd. in 76 ds. for IRCs. (Tuchscherer). in 2 wks. (Cannon). **INDIA:** AIR 9912 "Peacock in Motion" cd. in 233 ds. (Valko). 9525 w/ f/d "Central Secretariat Bldg" cd. in 10 1/2 mo. for 2 IRCs. (Onken). 11810 "Auranabad Caves" cd. in 35 ds. v/s L. Bedi. (Levin). same in 274 ds. for ms. (Glazzy).

**IRAN:** Voice of Iran 9022 f/d cd. in 42 ds. (Wallace).

**IRAQ:** Radio Baghdad 11905 f/d "Map" cd. in 3 mo. for 2 IRCs. (Tuchscherer). 9745 w/ f/d "Lion of Babylon Map" cd. in 80 ds. (Levin). same cd. in 4 mo. Also rcvd. station emblem. (Wallace). in 61 ds. (Pyne).

**ISRAEL:** IBA 7412 "Western Wall" cd. in 58 ds. for 2 IRCs. (Levin). 9815 in 56 ds. (Margritz). same in 49 ds. for 2 IRCs. (Vogelman). 9009 and on 9425 in 2 mo. w/ station sticker. (Jordan). 17710 and on 9815 w/ f/d cd. in 6 wks. w/ sticker (Matthews).

**ITALY:** RAI 21690 f/d "Amore e Psiche" cd. in 100 ds. (Levin).

**IVORY COAST:** RTVI 4940 f/d "Map" cd. in 22 ds. for 2 IRCs. (Glazzy). in 50 ds. for a FR rpt and ms. Sent a copy of rpt. to their Embassy in D.C. and rcvd. ltr. from Mathieu Capet, Charge d'Affaires. (Cannon).



## RÁDIO BANDEIRANTES

via Bob Pinchuk

### Prezado Senhor:

Temos a grata satisfação de acusar o recebimento da sua carta detalhando a recepção de nossa emissora.

Ficamos muito felizes com suas notícias e para sua futura referência, informamos as características de nossa estação.

### Dear Sir:

Thank you for your letter reporting the reception of our transmissions.

We became very glad with your news and for your further reference we would like to inform the following characteristics of our stations.

### Sehr geehrte Herren

Wir danken Ihnen fuer Ihren Brief, in dem Sie uns den Empfang unserer Sendungen bestätigen. Wir sind sehr erfreut und stolz über Ihre Mitteilungen. Im folgenden Text geben Wir Ihnen weitere Daten über unsere Sendefrequenzen und Sendezeit.

### RÁDIO BANDEIRANTES

Identificação / Identification / Kennzeichen, Sendefrequenz  
 ZYE-239 - 49m - 6185KHz  
 ZYE-239 - 31m - 9545KHz  
 ZYE-239 - 23m - 11925KHz

Período de Transmissão / Transmision Period / Sendezett  
 02:00 h / 21:00 h GMT  
 02:00 h / 17:00 h GMT  
 02:00 h / 21:00 h GMT

## RÁDIO BANDEIRANTES



rádio mauá

DDIIO  
**RÁDIO BANDEIRANTES SA**  
 11111

SÃO PAULO - BRASIL

**JAPAN:** Radio Japan 17825 f/d "Pagoda and Sarusawa Lake" cd. in 12 ds. (Eastman). same cd. for 17755 In 5 wks. (Barto). 15270 w/ f/d "Noh Mask" cd. in 35 ds. (Levin). JJJ 5000 f/d "Costumes" cd. in 68 ds. (Burns).

**JAVA:** RRI 11790 via Djakarta "Cikar" cd. In 92 ds. (Kusalik).

**KAZAKH SSR:** Radio Moscow via Alma Ata on 17850 w/ f/d cd. in 5 wks. For the xmsn to South Asia. (Lobdell).

**KIRGHIZ SSR:** Radio Moscow via Frunze on 17825 w/ f/d cd. in 5 wks. for the xmsn to South Asia. (Lobdell). same in 1 mo. for the EG to Africa transmission. (Barto).

**KOREA, PEOPLES REP:** Radio Pyongyang 9977 f/d post card in 33 mo. Booklet also rcvd. (Lobdell).

**KOREA, REPUBLIC OF:** Radio Korea 9525 f/d "Rose of Sharon" cd. in 55 ds. for 1 IRC. (Levin). same in 36 ds. for 2 IRCs. (Thibodeaux).

**LATVIA:** Radio Moscow via Riga on 15220 w/ f/d cd. in 2 mo. (Bares).

**LIBERIA:** ELWA 4770 f/d ltr. In 130 ds. for 3 IRCs. (George).

**LITHUANIA:** Radio Vilnius 11790 f/d cd. in 5 mo. (Wallace).

7360 w/ f/d "Castle" cd. in 123 ds. for 1 IRC. w/ pennant (Neff). 7145 w/ f/d cd. in 4 1/2 mo. (Levin). 9530 in 4 mo.

**LUXEMBOURG:** Radio Luxembourg 6090 f/d cd. in 8 wks. for an EG rpt. (Jordan).

**MADAGASCAR:** Radio Nederlands 11730 f/d "DX Personalities" cd. in 50 ds. for 1 IRC. (Onken). in 28 ds. (Thibodeaux).

**MALAYSIA:** Voice of Malaysia 4985 f/d green "Map" cd. in 22 ds. for an EG rpt. and 2 IRCs. (Glazzy).

**MEXICO:** Radio Mexico 15385 form verie ltr. rcvd. via registered mail in 113 ds. for an EG rpt. and 1 IRC. v/s Luis Reyes de la Maza, Director of Radio and TV. Plastic pennant was also received from the station. (Desrosiers).

**MOLUCCAS:** RRI Ternate 3345 ltr. in 33 ds. for an IN rpt. and ms. v/s Maimunah T. A. Rachman. (Howard). RRI Ambon 4845 f/d cd. and ltr. in 100 ds. for an IN rpt. and 1 IRC. v/s J. Nendissa, Director. (Hoffman). same in 4 mo. for IN rpt. and ms. VIC # 184 (Mayer). same in 4 1/2 mo. for 1 IRC. (Johnson). in 162 ds. for an IN rpt. Also rcvd. a ltr. from T. H. van Room. (Kusalik). same in 88 ds. on my second try. (Kusalik).

**MONGOLIA:** Radio Ulan Bator 12070 f/d gold "Logo" cd. in 9 wks. for an EG rpt. and 2 IRCs.

Station also sent me a paper pennant & 3 Japanese IRCs. (Sapoznikow). Very nice!

**NEW BRITAIN:** Radio East New Britain 3385 f/d NBC cd, post card, pennant and bumper (sticker) in 20 ds. for 2 IRCs. v/s Jack Arifeae. (Lobdell). large plain black and white f/d cd. direct from Rabaul not the usual NBC cd. in 2 mo. for 2 IRCs. via air mail. (Lobdell).

**NEW IRELAND:** Radio New Ireland 2428 f/d NBC "Map" cd. in 3 wks. from Boroko (Can-

**NEW ZEALAND:** Radio New Zealand 15130 non) f/d cd. in 24 ds. (Levin). in 2 mo. w/ f/d

"Native Art" cd. w/ Tiki charm (Margritz)

**NIGER:** ORTN (would you believe this!) 3260 a rejection form ltr. for a very detailed rpt. on a 76 reception. Been trying for over 10 years on 5020! At least I got an answer. (Barto)...and...form ltr. rejection for 5020 for a 78 reception. What is going on here? (Desrosiers).

**NIGERIA:** Radio TV Kaduna 6090 f/d green RTK cd. in 10 wks. for 1 IRC. v/s Jimmy K. Hassan. (Overcamp).

**NORWAY:** Radio Norway 9645 f/d "Norwegian Seacoast" cd. in 15 ds. (Leithner). 15345 w/ same f/d cd. in 6 wks. (Jordan).

**PAKISTAN:** Radio Pakistan 17830 and 15325 "Lahore Main Gate" cd. in 1 mo. w/ sked. (Barto). 17830 w/ same cd. in 25 ds. (Onken). 11672 w/ "Minar - 1 - Pakistan at Lahore" cd. in 2 mo. for a taped rpt. (Matt hews). 15115 w/ same cd. in 38 ds. (Wallace).



ESTADO DO MARANHÃO

FUNDAÇÃO CULTURAL DO MARANHÃO  
RÁDIO TIMBIRA DO MARANHÃO



Este cartão confirma a recepção de nossa emissora.

ZYD  
66

OM-940 KHz  
OT-4875 KHz  
FM-99.7 MHz

no dia  
10/2/74  
às  
06:54  
horas

Agradecemos o seu interesse e esperamos que tenha outros momentos de prazer ouvindo a Rádio Jornal do Brasil.

*Antônio Carlos de Sá*  
p/ Rádio Jornal do Brasil

This verifies your reception of our station

ZYD  
66

OM-940 KHz  
OT-4875 KHz  
FM-99.7 MHz

date  
at  
o'clock

We thank you for your interest and hope that you will have many hours of continued good listening to Rádio Jornal do Brasil.

p/ Rádio Jornal do Brasil

**PAKISTAN: Radio Pakistan**  
 17845 "Main Gate" cd. in  
 11 ds. (1) (Pyne). in 60 ds.  
 w/ "Flowers, park and  
 Fountain" cd. (Desrosiers)  
 17845 "Minar" cd. in 6  
 wks. w/ sked. (Overcamp).  
 This station has certain-  
 ly picked up in its QSL  
 policy!...Sam.

**PAPUA NEW GUINEA: Radio Gulf**  
 District 3245 Kerema f/d  
 NBC "Map" cd. From Boroko  
 in 3 wks. (Cannon). **Radio**  
**Southern Highlands 3275**  
**Mendi** f/d NBC "Map" cd.  
 and post card in 17 ds.  
 for ms. (Howard). **Radio**  
**Western Highlands 2450**  
**Mc. Hagen** f/d NBC "Map"  
 cd. in 3 wks. (Cannon).

**Radio Morobe 3220 Lae** f/d NBC "Map" cd. in 3 wks. from Boroko. (Cannon). same in 72 ds. w/  
 a form type ltr. v/s Gabriel Teckwalen, Station Manager, (Kusalik). NBC 4760 Port Moresby  
 f/d yellow "Map" cd. in 1 mo. for 1 IRC. w/ sticker and pennant. (Overcamp). same in 23 ds.  
 for 2 IRCs. w/ sticker and pennant. (Osterman)...Check out the cd. on QSL page # 2...Sam.  
 NBC 4890 Port Moresby f/d yellow "Map" cd. in 109 ds. for 1 IRC. Rcvd. 4 travel brochures,  
 sked., stamps, pennant, sticker, coins. (Desrosiers). in 3 1/2 mo. w/ sticker. (Levin).

**PERU: Radio Victoria 6020** f/d plain white cd. in 236 ds. for a  
 SP rpt. and 1 IRC. (Hoffman)...Not seen too often!...Sam.

**PHILIPPINES: FEBC DZ19 7225** cd. and sked. in 3 mo. (Bares). **VOA**  
 Porot-Tinang 11930 cd. in 204 ds. v/s R. L. Case. Wrong date on  
 cd. (Desrosiers)...VOA must be having their problems...Sam.  
 21760 w/ "Seasons" cd. in 12 ds. (McCants).

**POLAND: Polskie Radio 15120** f/d cd. in 50 ds. for 1 IRC and ms.  
 personal ltr., sked and pin was rcvd. (Levin).

**PORTUGAL: Radio Portugal 15125** f/d "Native Costumes" cd. in 3 wks  
 (Barto). 11935 w/ same cd. in 25 ds. for 1 IRC. (Levin). in 88 ds  
 w/ "Geres" cd. (Ponder). 11925 in 84 ds. for 1 IRC. (R. Miller).  
 same in 70 ds. (R. Miller). **Adventist World Radio 9670 Sines**  
 f/d "Hands and World" cd.  
 in 34 ds. for 1 IRC. Also  
 rcvd. sked. (Neff).

**QATAR: Qatar Broadcasting**  
**Service 9570 Doha** f/d  
 "Map and Emblem" cd. in 6  
 mo. v/s Ebtisame Said,  
 Head of Public Relations.  
 (cannon). in 6 mo. for 1  
 IRC. (Tuchscherer)..Nice.

REFER TO  
 LAST QSL  
 COLUMN  
 AND NEXT  
 PAGE FOR  
 AN UPDATE  
 ON THE  
 NEW ENGLAND AREA  
 DX OUTING  
 PLANNED  
 FOR SEPT.  
 10th IN  
 WATERTOWN.

SEE YOU  
 IN SEPT!



Somos sinceramente gratos pelas suas informações  
 Le somos sinceramente gratos por sus informaciones  
 We sincerely appreciate your information

**rádio brasil central**  
 Fundação Coimbra Buena pela Nova Capital do Brasil.

AVENIDA ANHANGUERA 11 - FUNE 2555 4884 - 30 AND - 50

ZYX-0 - ONDA MEDIA - 17.400 - 100 WATT  
 ZYX-2 - ONDA TR. FAL - 455 K - 100 WATT  
 ZYX-01 - ONDA TR. FAL - 455 K - 100 WATT  
 ZYX-24 - ONDA TR. FAL - 455 K - 100 WATT  
 FREQUÊNCIA MODULADA - 80 WATT - 100 WATT

**SUPER RÁDIO**

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AM 1280 KHz

**RIO DE JANEIRO**  
 Av. Venezuela, 43 - 3ª andar  
 Tel. 223-1647 e 223-5194

**CEARÁ** *Radio Clube*

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**RADIO CULTURA DA BAHIA**

ZYN-20. ONDA MEDIA 1.440 KC  
 ZYN-23. ONDA CURTA 4.895 KC - 61 M.  
 ZYN-29. ONDA CURTA 9.595 KC - 31 M.  
 ZYN-30. ONDA CURTA 15.225 KC - 19 M.

AVENIDA SETE DE SETEMBRO 111  
 SALVADOR - BAHIA - BRASIL



**RÁDIO CLUBE DE RIBEIRÃO PRETO S.A. - PRA 7**

**ZYE 50**

RUA BARÃO DO AMAZONAS, 35  
FONES: 1023 - 1362 - 1960 - 2879  
CAIXA POSTAL, 18 RIBEIRÃO PRETO S.P.

ONDAS CURTAS - 15.415 KCS. 19 METROS - ONDAS MÉDIAS 730 KHZ.

**NEW ENGLAND AREA DXers OUTING:** Update and Status Report  
Since last issue new acceptances have arrived from W.T. Farmer of Mass. He is a member of 6 DX Clubs! SPEEDX Editor Chris Lobdell and Nancy will also arrive from Mass. Roby Desrosiers and his family will also be coming from Mass. as will John Kapinos and his wife. Mike Maghikian former editor in chief of the Herbert H. Leaman College DX Club will arrive with a group from the NYC area....This gives us a total of @ 43 attendees and we are still 6 weeks away from the outing at the time of typing. Just to refresh your memory the following will also be attending: Greg Bares, Syd Klein, Joe DiLeo, Greg Peters, Bill Oliver, Jon Cohen, Nick Pappas, Bob Pinchuk, Dan Robinson, Al Sizer, Hank Michalenska, Al Brooks, Pete Schipelliti, Lex Smith, Steve Porter, Bob Butterfield, Al Plotnick, and many wives, children and friends....If you plan on attending write to me now!

## Traduzindo O Economês



ESTRÉIA DIA 19

**ECONOMIA**  
de segundo a sexta 18 25

**RADIO BANDERANTES**

**ROMANIA:** Radio Bucharest 5990 f/d "Otopuni Airport" cd. in 85 ds. (Levin). 11940 w/ f/d "National Costumes of the Cluj Region" cd. in 4 mo. (Yacono).

**RWANDA:** Deutsche Welle 21600 "Logo" cd. in 69 ds.

for 1 IRC. (Desrosiers). 11965 cd. in 61 ds. (Ponder)

**SARAWAK:** Radio Malaysia-Sarawak 4950 Kuching f/d

"Broadcasting House" cd. in 19 ds. for 2 IRCs. v/s Salleh Askar, for the Director. (Onken).

**SAUDI ARABIA:** BSKSA 11855 "Logo" cd. in 3 mo. via registered mail. (Bares). same in 2½ mo.

(Barto). 15150 via Jeddah in 2 mo. via registered mail. (Klein).

**SIERRA LEONE:** SLBC 3316 f/d aerogramme 1tr. in 119 ds. for 1 IRC. v/s H.A. Lynch. (Desrosiers)

**SOUTH AFRICA:** Springbok Radio 4810 f/d cd. in 25 ds. w/ pennant (Byron). 3215 w/ f/d "Industries" cd. in 25 ds. (Howard). Radio RSA 4990 f/d "Kingfisher" cd. in 5 wks. w/ sked (Barto)

in 5 wks. w/

"Lights of Ris-

sik Street and

Park Station"

(Lobdell). 11900

in @ 1 mo. (Du-

mont). 9585 in 3

wks. (Jordan).

9585 in 18 ds.

w/ f/d "View of Joh-

annesburg" cd. for 1

IRC. w/ pennant. (Mar-

gritz).



SUPPORT NASWA & FRENEX  
- QSL COLUMN -

Rádio Pioneira de Teresina Ltda.

*A Voz da Educação e da Cultura*

ZYA - 51 - ZYG - 26

LIDERANÇA ABSOLUTA

## RÁDIO EDUCADORA DE PARNAIBA S/A Pioneiro do «Radio no Piauí»

Considerada de Utilidade Pública nos termos da lei Municipal n.º 242 de 22 de Junho de 1963

INSC. EST. 19006453-6 - C. G. C. M. F. 06 705.964/001

Cx. POSTAL 136

# RÁDIO GUAÍBA



PORTO ALEGRE

BRASIL

# 58 62 66 70 74 78

### Verification Techniques

A new printing has been received from the printer. This publication is designed to help you obtain some of your most wanted QSLs. I hope it will activate your own abilities and help you to develop your own verification techniques. Copies are available from your QSL Editor for \$2.50.



**SOUTH AFRICA:** Radio RSA 9585 f/d "Kingfisher" cd. in 17 ds. (Burns). 15220 w/ same f/d cd. in 17 ds. (George). 5980 w/ same f/d cd. in 24 ds. for 1 IRC. (Fraser).

**SPAIN:** Radio Exterior de Espana 11880 f/d "Islas Baleares" cd. in 16 ds. (Wheeler). 11880 via Arganda w/ f/d "Mallorca la Calobra" cd. in 40 ds. (Burns). 11945 via Noblejas w/ f/d form ltr. in 91 ds. (Ponder). 6065 w/ "Sailboat" cd. in 48 ds. for 2 IRCs. (Vogelman).

**SRI LANKA:** SLBC 9720 f/d cd. in 3 mo. after 2nd follow-up. (Bares). 11835 f/d color photo of "Native Female in Jewels" in 2 mo. for 2 IRCs. v/s J.A. Herath, Superintendent Engineer. (Lobdell). 15425 and 15120 w/ same f/d cd. in 1 mo. (Barto). Adventist World Radio 11835 f/d special QSL cd. # 176 which stated "First QSL for 11835 kHz in USA" v/s Adrian Peterson. This was for 2 IRCs. (Lobdell).

**SWAZILAND:** Trans World Radio 5055 Manzini usual f/d folder cd. in 7 wks. for 2 IRCs v/s Carol J. Olson. (Lobdell). 4760 w/ same f/d cd. in 56 ds. (Valko). in 62 ds. for 1 IRC. (Burns). 17745 w/ same f/d cd. in 67 ds. for a FR rpt and stamps. (Leithner).

**SWEDEN:** Radio Sweden 9690 f/d cd. in 22 ds. w/ pennant and schedule. *This was my first QSL!!!*..... Absolutely Great... Sam. 15205 w/ f/d cd. in 13 ds. (Woods). 11905 w/ f/d cd. in 17 ds. (George).

**SWITZERLAND:** SBC 9725 f/d cd. in 43 ds. (Eastman).

RÁDIO CAPIXABA LTDA.

MUSICA LISSIMA



Consórcio de Empresas de Radiodifusão e Notícias do Estado

Rua 201 (Esquina c/ 11.ª Avenida) - Fones: 2-4211 - 2-4565 - 2-4454 - 2-4398

Vila Nova - Goiânia - Goiás

**TAIWAN:** Voice of Free China 17890 f/d photo of "Two Horses" cd. in 103 ds. for 3 IRCs. Sked & stamps rcvd. (George). 15425 w/ f/d cd. pin, 2 blue stickers, and a pennant in 3 mo. (Bares).

**TOGO:** Radio Togo 5047 w/ "Map of Togo" cd. in 24 ds. for a FR rpt. and ms. (Dalum). same f/d cd. in 40 ds. for an EG/FR rpt and 1 IRC. (Burns).



BELO HORIZONTE - MG - BRASIL

PRH-6 RADIO GUARANI - BRASIL

BROADCASTING STATION

TO THE UR QSL ES RPT OUR SOCT OF

DIÁRIOS E BISSORAS ASSOCIADOS NETWORK

GTH Lat 19° 56' S - Long 431° 17' W

ORU 2300 - 2200 GMT

QRG 8715 kHz - 1400 kHz - 88.3 MHz - CW 17V

PWR 10 kW / 25 kW / 250 W / 10 kW

ANT 3/2 single dipole 10° NE vertical



**TURKEY:** Voice of Turkey 9515 f/d "Turkish Rug" cd. in 50 ds. (Fraser). f/d "Moslem Mosques" cd. in 2 mo. (Sellers).

**UKRAINIAN SSR:** Radio Kiev 11780 f/d "Park of Glory" cd. in 43 ds. w/ newspaper. (Fraser). 9780 "Lybid Hotel" cd. in 45 ds. (Burns). Radio Moscow via Lvov on 11750 f/d cd. in @ 1 mo. for the NA Service. (Barto). 9700 in 39 ds. (Ponder). 9700 in 40 ds. also 11750 (Salay). 11950 and 11975 via Kharkov in 40 ds. (Salay). via Kiev on 11770 in 1 mo. for the NA Service. (Barto). 17820 and 12070 in 40 ds. (Salay). via Vinnitsa on 15465 and on 11735 in 40 ds. (Salay). via Ivano-Frankovsk on 17785 in 4 wks for the EG Service to South Asia. (Lobdell). via Vinnitsa on 9765 in 6 wks. (Overcamp). 15460 in 1 mo. for the EG to Africa (Barto). 11735 in 1 mo. for the NA Service. (Barto). 11850 in 1 mo. for the same service. (Barto). 17860 in 23 ds. (Kusalk).

**UPPER VOLTA:** Radio Voltaique 4815 f/d form verie ltr. in 81 ds. for an EG rpt. and 1 IRC. (Desrosiers).

**USA:** WV 15000 f/d "Indians" cd. in 42 ds. for ms. v/s John Milton, Engineer in Charge. (Yacono). United Nations Radio 15410 via Greenville blue and white f/d cd. in 102 ds. for a Gilfer rpt. (Batson). WYFR 15160 f/d "Globe" cd. in 4 wks. (Margritz). 15440 cd. in 1 mo. (Dumont). 15110 f/d cd. in 14 ds. for ms. (R. Miller). 5985 same f/d cd. in 10 ds. (Byron). AFRTS 6030 via Bethany w/ f/d cd. in 5 1/2 mo. (Margritz). same cd. in 138 ds. (1) for ms. (R. Miller). 15430 brown f/d cd. in 94 ds. for a Gilfer rpt. (Batson). 6030 in 215 ds. (1) (McCants). 15330 w/ f/d cd. in 162 ds. (Cucura). 6095 w/o site in 134 ds. (Wastradowski). VOA 17870 via Greenville w/ f/d cd. 6 ds. complete w/ schedules. (Levin)...Schedules can be obtained. The VOA sent me their complete set...Sam. 17820 via Dixon in 6 ds. (Levin). 15250 w/o site in 7 ds. (Rascos). 6035 w/o site in 54 ds. (Byron). 19730 relay station in 6 ds. (Pyne).

Voice of the Voyager 5850 (I know your reading this. Hi!) hand lettered cd. in 9 ds. for a phone in rpt. Postmark was from Detroit. (Thibodeaux). same type cd. w/ postmark from MI and mailed c/o the UMDX Club address. (Sapoznikow). same post card in 3 wks. (Barto)... Yeal card in 2 wks. in response to my phone call. Detroit postmark. My first shortwave pirate QSL. (Lobdell). cd. rcvd. in 9 ds. (Bares). SPECIAL... Dave Walcutt informed me that there are a few BOGUS Voice of the Voyager QSLs being circulated. The real one is solid black lettering with a white background, while the fake one is multi-colored and is postmarked Voyageurs National Park, Minnesota and is claimed to be operated by the University of Minnesota. Thank you very much for the information on this one Dave... Sooner or later we may all find out the story behind the Voice of the Voyager. It would sure be interesting... Sam.

**UZBEK SSR:** Radio Tashkent 11730 and on 15460 f/d cd. in 1 mo. (Matthews). 15460 f/d cd. w/ drawing of a Statue in 3 1/2 wks. (Lobdell).

**SUPPORT NASWA & FRENDX**

**rádio rural**

**ZY-31**  
6.065 KC/S ONDA 49.46 M.

**ZY-32**  
15.105 KC/S ONDA 19.66 M.

**RÁDIO EDUCADORA "SÃO JOSÉ" LTDA.**  
C.G.: 33.828.757/0001-27 - Fones: 2891 e 2463  
RUA LEOPOLDO MACHADO, 1018  
Macapá - T.F. do Amapá

BR	PRE-8
SW	980Kcs
PRL-7	PRL-8
30.86 M.	25.60 M.
	16.81 M.

**Rádio Nacional**  
RIO DE JANEIRO - BRASIL

**GOV. JOSE SARNEY**

**RÁDIO TIMBIRA**



VATICAN: Radio Vatican  
17840 f/d "Stato Citta  
del Vaticano" cd. in 3  
mo. (Barto).

VENEZUELA: Radio Yaracuy  
4940 "Network" cd. in  
67 ds. for a SP rpt.  
and ms. (Hoffman).  
Radio Carora 4907 ltr.  
in 1 mo. for a SP rpt.  
v/s Flor de Gonzalez.  
(Barto). Ecós del Torbe  
4980 ltr. in 56 ds. for  
a SP rpt. and 3 IRCs.  
v/s Maria Desirée Gon-  
zalez L., Also rcvd. a  
30th anniversary penn-  
ant and a station decal.  
(Danylchenko).

VIETNAM: Voice of Vietnam  
15009 f/d ltr. in 4 mo.  
(Tuchscherer). 7470 f/d  
plain white "Emblem" cd  
in 150 ds. Also rcvd.  
their pennant. (Cannon).  
10040 f/d paper w/ sta-  
tion stamp, pennant in  
4 1/2 mo. for a Gilfer rpt  
and 1 IRC. (Blossom).

WEST IRIAN: RRI Sorong  
3365 f/d cd. w/ station  
Information in 19 ds.  
for an IN rpt. and ms.  
v/s Soedarsono. QSL was  
received via registered  
mail. (Howard).

YUGOSLAVIA: Radio Yugosla-  
via 9620 f/d cd. in 69  
ds. (Ponder). same in 9  
wks. w/ schedule. (Sap-  
oznikow). in 3 mo. w/  
calendar. (Margritz).  
Received a very nice  
package from Belgrade  
containing a 45 rpm.  
record of folk music.  
(Byron).

LATE REPORTS: Received while  
typing the column.

ARMENIA: Radio Moscow via  
Yerevan on 17700 cd. in  
40 ds. (Salay).

BRASIL: Radio Cultura 17815 personal ltr. in 8 wks. for a tape and ms. Station sticker was  
also rcvd. v/s Eng. Jose Onate Gasull, Div. de Operacoes, Dpto. Eletro Eletronico (Lobdell)

CONGO: La Voix de la Revolution 15190 f/d ltr. in 4 mo. for a FR rpt. v/s Stephy-Richard  
Koua, Chef du Service. (Klein).

COSTA RICA: Radio Casino 5954 an EG/SP cd. in 1 mo. for an EG rpt. Also rcvd. a nice green  
pennant. (Klein)....Station has a light green and a dark green pennant...Sam.

EMBASSY OF LEBANON  
OTTAWA  
AMBASSADE DU LIBAN

No. 151/78

June 12, 1978.

*I've received many letters  
as of late asking how to  
verify Radio Lebanon. This  
may be a method...Sam.*

Mr. Greg Danylchenko,  
827 Indian Road,  
Port Credit, Ontario  
L5H 1R4

Dear Mr. Danylchenko,

I received with great pleasure your letter  
dated June 1, 1978, and the envelope containing,  
among other items, a cassette tape on which you  
have kindly recorded a Lebanese Radio Broadcasted  
programme. I have dispatched it without any delay  
to Beirut.

I would like to take this opportunity to  
thank you very much for your valuable initiative and  
I highly appreciate your attention to the Lebanese  
Radio. Please find herewith a cassette tape of 7  
Lebanese folk songs in English and some pamphlets  
about Lebanon. I hope they will be of interest to  
you.

Thanking you again, I remain,

Yours truly,

Jaoudat Noureddine  
Counsellor



**Rádio Clube**  
DE PERNAMBUCO S.A.

rádio



iverada de Londrina

RUA SENADOR SOUZA NAVES, 9  
ED. JULIO FUGANTI - 9.º ANUAR - FONES 82-0005 e 23-0006  
LONDRINA - ESTADO DO PARANÁ

**DENMARK:** Radio Denmark 15165 f/d "Radiohouse Aerial Tower" cd. in 19 ds. v/s Eileen Voerg(Levin).

**ECUADOR:** HD21QA 3810 Guayaquil very friendly ltr. in 20 ds. for an EG rpt. and 1 IRC. Also rcvd. technical information about the station. v/s Ing. Freddy Villaoq., Jefe del Departamento Ayudas A. (Klein).

**GEORGIAN SSR:** Radio Moscow via Tbilisi 12055 In 40 ds. (Salay).

**GUAM:** KTWR Trans World Radio 15175 f/d "World Map" cd. In 141 ds. for ms. v/s Linda Horton. (Salay).

**GUATEMALA:** Radio Cultura 3300 f/d cd. in 1 mo. for a Gilfer rpt. and 1 IRC. v/s Wayne Berger, Engineer. (Berezowski).

**LIBERIA:** VOA Monrovia 6035 f/d cd. in 20 ds. v/s Anna L. Case. (Klein).

**LUXEMBOURG:** Radio Luxembourg 6090 f/d "Antenna and Tower" cd. in 52 ds. for 1 IRC. (Salay).

**MALAGASY REP:** Radio Nederlands 11740 f/d "Dutch Costumes" cd. In 17 ds. (Salay).

**POLAND:** Polskie Radio 9540 f/d cd. in 5 mo. for 1 IRC. ltr. also rcvd. from the Chief Correspondent. (Berezowski).

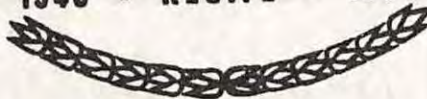
Well thats it for another issue gang. This time we had a total of @ 100 countries with some fine illustrations. Next month we will cross the Atlantic to Africa. We will concentrate the illustrations on the Portuguese speaking countries of Africa, specifically Angola and Mozambique. There will be quite a few surprises like the old Radio Brazzaville folder QSL which puts the Tahiti nudie-cutie card to shame.....Sam.

From Ron Howard

**RÁDIO JORNAL DO COMMERCIO**



**1948 - RECIFE - 1968**



**ESPORTES-MÚSICA-NOTÍCIAS**  
Inauguração dos novos transmissores de 10 Kwts  
1. - 5 - 67

ONDA MEDIA 1.280 Kls  
ONDA TROPICAL 3.315 via 90 Mts.  
F. M. - 106.1 mgcs.  
**ZYL - 21 - ZYL - 26**

via Ron Howard

**GAZETA DE ALAGOAS**  
**RADIO**  
**MACEIO - ALAGOAS**  
Organização  
**ARNON DE MELLO**

**QUESTION BOX**



Can anyone name the official name of the parent company for this Brazilian logo?

See you in one month and make sure to notify me if you are planning to attend the New England Area DXers Outing...Ask some of the others who have come before. It is well worth the trip.

Sincerely,

*Sam*

# Music Page

Diane S. Lévesque

P. O. Box 2573

Carbondale IL

62901

From what I've seen, it has been pretty well generally agreed that one of the most fascinating types of music to wend its way over the air is Middle Eastern music. Even the most hard-core DX'ers have admitted to being side-tracked by the plaintive strains of a muezzin call, as magnetic as a Siren's song.

Whether the music be from Palestine, Egypt, Arabia, Syria, or Turkey, all seem to have a common characteristic that has come to this age from prehistoric times when the music scales were no more than four or five notes to an octave (tetratonic scales—four—and pentatonic—five) and the music was only a medium to express poetry. The tetrachord of A, F $\sharp$ , Eb, and D (the "hejaz") of ancient times, of Arabia and Egypt, seems to have carried over in to today's ME preferences for the minor key in compositions. Still popular are the lute, drum, bells, cymbals, reed flute, organ, tambourine, and oboe which all lend to the distinctive quality that makes the listener feel as if he or she is listening to ageless antiquity.

It is particularly difficult to distinguish music of one ME country from another unless you can understand the lyrics, or read the metre in intonation, as the scales used by each are very similar. Compare: Arabic—D, Eb, F $\sharp$ , G, A, B, C, D; Hebrew (Ahavah Rabbah)—D, Eb, F $\sharp$ , G, A, B, C, D), perhaps borrowed and interincorporated from the various surrounding cultures when invasion was a way of life. These invasions, and Phoenician trade also account for the reason European Greece doesn't sound European, but rather has a hybrid type music in a class all its own, as many of Greece's instruments and basic music modes were adapted or directly borrowed from the Middle East.

Alan Roe of Great Britain recommends "From Anatolia With Love" and "Strolling Through Anatolia" at 2200 GMT on Sundays and Mondays respectively, which are a mixture of traditional Turkish music and Western pops, stressing TRI's being the link between East and West. 9815, 7270, or 7170 kHz.

The Persian station on 15084 has found a fascinated listener in Mike Maghakian who likes it particularly because it broadcasts mostly music, a great variety consisting of chants, dance, and "wild songs" of local vintage.

As for myself, I find Radio Cairo of particular interest for not only do they make their music regular fillers in their EI broadcasts but also go into detail with their programs on the subject, daily: Egyptian Music at 0200, and Egyptian Song 0235. "Musical Life in Egypt" on Tuesdays, at 0235. 9475 and 6230 kHz.

73 73's

*Diane*

# update

August 1978 Number 24

Tom Alleman  
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UPCOMING DEADLINES: 11 August (Mid-August); 21 August (September); 12 September (Mid-Sept)

Reprinting permitted provided due credit is given original reporter and NASWA UPDATE.  
Dates, times and days are GMT; freqs are kHz.

- AUSTRALIA RA, 21680, in EG w/ mx and world nx 0255. (Ruth Vollrath, MO)
- BRAZIL R. Brazil Central, 4985, in PT w/ usual stuff 0620. (Stu Klein, NY) +++ R. Journal do Commercio, 15145, in PT 0640 w/ US and UK pop mx, and ID. (Klein, NY)
- CAMEROONS R. Garoua, 5010, noted at 2045 w/ good sigs amid UTE QRM. Native singing and strange bagpipe like instrumentals. (Bill Whitacre, across the sea in the UK)
- CHAD Ndjamana, 4905, in FR 0507 w/ nx by M. (Klein, NY)
- CHILE VoChile, 11890, in EG 0230 w/ six minutes of native mx and comment for today. Fair sigs. (Bob Zilmer, WI)
- COLOMBIA LV del Llano, 6115, in SP at 0600. Many high pressure ads and beautiful native mx. (Charles George, TEX)
- GERMANY (FED REP.) R. Liberty, 3960, in RS at \*0300 w/ IS and ID by W. Light jamming. (Klein, NY) +++ R. Free Europe, 15215, in Rumanian 2015. DJ px w/ American top 40 mx and M anncr. Gave song titles in EG but rest of talk was in Rumanian. ID at 2100 as "Aici e Radio Europa Libera"; then talk by W. (David Schweikart, VA; 7-11) +++ DW, 21500 // 21600 in EG; 21600 noted at 1045 w/ "It Happened in Germany" px and EG nx. 21500 noted at 1058 w/ same px. 21600 is beamed to East Africa. (Zilmer, WI)
- GHANA GBC, 3350, in EG 0540 // 4915; very good. (Klein, NY) +++ GBC, 3365, in EG at \*0530 w/ IS, ID and religious px. (Klein, NY)
- GREAT BRITAIN BBC, 11750, at 2315 19 July w/ special link-up with RCI for 1978 ANARC convention. Px was originally taped on 16 July and was aired on the World Radio Club. // 6195, 9589, 9590, 15260. (Bob Zilmer, WI) +++ BBC, 21550, noted at 1100 w/ world nx in EG. //21470 and 21710. Freq is unlisted and site unknown. (Zilmer, WI, 7-12)
- GUYANA GBS, 5980, noted at 0900 12 July 1/ morning DJ px. (George, TEX) \*\*\* more details please. tba
- ISRAEL IBA, 15485, in EG 2230 w/ nx. (Vollrath, MO)
- ITALY RAI, 15315, in EG 0100 w/ nx. (Vollrath, MO)
- MAURITANIA Nouakchott, 4845, in AR 0620 w/ Koran chants. (Klein, NY)
- NETHERLANDS ANTILLES TWR, 11925, in EG 0035 w/ DX Special. (Vollrath, MO)
- PAKISTAN R. Pakistan, 15405, in Urdu 1045. From 1100-1115, EG dictation speed nx. This outlet has poor sigs and is // very poor 17665. (Zilmer, WI; 7-20) +++ R. Pakistan, 21590, in EG 0230-0245\* w/ dictation speed nx and ID. (Salay, OH; 7-20)
- PIRATE Radio 49, 6217, with a bit of drifting and some modulation problems but generally fair to good sigs 2054-2126\* abruptly. Mostly pops w/ some anncmts by M. Read two letters from listeners with addresses. Anncr gave his address but I couldn't catch it. Tx to Gordon Darling for call w/ tip on this one. (Whitacre, UK)
- RHODESIA RBC, 3306, in lang 0430; Afr Ser w/ pop mx, M anncr. (Klein, NY) +++ RBC, 3396, in EG 0438-0455 in Gen Ser. M anncr, pop mx and many ads. (Klein, NY)
- SIERRA LEONE SLBS, 5980, in EG 0628. IDed as "This is Freetown". Vern mx, nx and ID. BBC nx 0700. (Klein, NY)
- SOUTH AFRICA SABC, 3220, in EG at \*0400; EG Ser. IS, ID and nx. +++ Springbok R., 3250, in AK/EG 0425; usual mix of mx and ads. +++ SABC, 3285, in EG 0430; severe QRM. +++ SABC, 3955, in AK 0510 w/ pop mx. +++ SABC, 3965, in EG 0515 w/ local nx. +++ Springbok R. 3980, on AK/EG 0500; usual stuff. (all from Klein, NY)
- SWAZILAND TWR, 3240, in lang 0350 w/ religious mx. (Klein, NY)
- SWITZERLAND SBC, 21630 in EG 1100 w/ nx and poor sigs 13 July. (Zilmer, WI)
- TANZANIA R. Tanzania, 15435, in EG 0406-0417 w/ nx and comment. Fair sigs. (Mooney, ONT; 7-11)
- TOGO Lama-Kars, 3222, at 0545 w/ African chants and mx. (Klein, NY) \*\*\* You positive Stu??? Needs more details. tba \*\*\* Lome, 5047, in FR 0605 w/ African drums. (Klein, NY)
- UGANDA UBC, 15325, in EG 0315-0330, during test tx to USA. ID then two songs. Record developed scratch or something as it skipped for about five minutes. Really excellent sigs. (Mooney, ONT) \*\*\* Do they really use EG on this one??? You'd never know to listen to the b'cast many evenings. tba
- USA (PIRATE) VoVoyagers, 5850, in EG 0443-0501\* w/ mx and call-in show, "Nighttime Melodies," many IDs; gave phone number as (212) 626-9906, listed people who called

USA (PIRATE) cont'd: read letter from former anncr, now in Army, gave QSL info, Dave Walcutt's address as QSL "agent". Listed next tx as being 0400 Sat. Also seemed to mention 0530 and possibly and 11 MHz freq, but could not be positive. (Mike Salay, 2685 Montchateau Dr. Cincinnati, OH 45244) +++ VoV also noted 0404-0438; "We are the Champions", gave (212) 626-9906 as phone-in number. Mentioned Montreal and ANARC. Played several pop tunes, including "Baby Hold On" and "Still the Same". Sent regards to several people. Lousy to fair sigs. (Mooney, ONT) \*\*\* both of these reports are for 16 July. tba

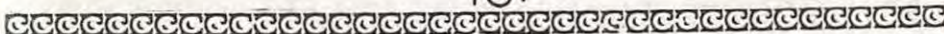
**VIETNAM** V o Vietnam, 15009, in EG at 2000\* w/ s/off anncmts by W and orchestra mx. Huge sigs. (Whitacre, UK)

**MORE ON COUNTERFEIT VOICE OF THE VOYAGERS QSLs:** As reported last time, someone is circulating counterfeit VoV QSLs. The cards are 3" x 5" and lettered in multi-colored felt tip marker and typewriter. Each card gives VoV's QTH as Voyageurs National Park --located in the Minnesota-Manitoba border--and claims that the sta is operated by the University of Minnesota. The address side of the card has a phony Voyageurs National Park postmark, which should thrill any postal inspectors in our audience. My source at the VoV says these cards are definitely fakes. Several are known to be in existence.

**AND FINALLY, FROM THE PROPAGATION DESK:** Roger Reini and Aaron Hywarren sent notes concerning the huge solar flare on 9 July or thereabouts. Roger noted virtually complete attenuation on all SW freqs, and Aaron noted that the flare was reported by the local nx px in California (where he is vacationing). Aaron's report also came on a very classy Disneyland postcard. Tnx guys.

A very short issue this time, possibly reflecting a large number of listeners on vacation. Hope you'll all be back at your rigs in time to contribute to UD 25, which marks the first anniversary of our little newsletter. In the meantime, my best to all,

73, Tom



No. 4 / Winter 1973

Program Schedule

No 4 / Hiver 1973

Programme des émissions

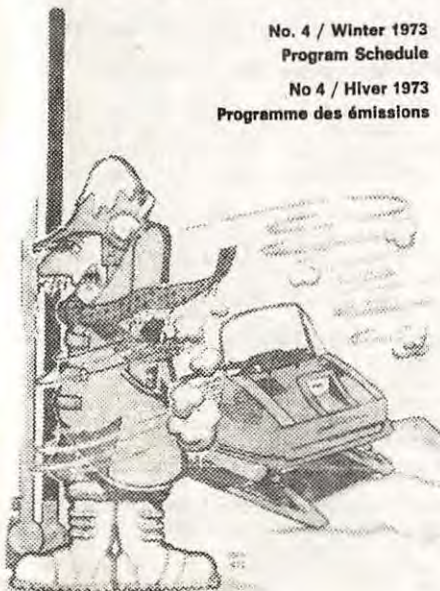
IS IT **HOT** WHERE YOU ARE? MAYBE THIS ILLUSTRATION FROM AN OLD RADIO CANADA INTERNATIONAL SKED WILL COOL YOU OFF.

NO? THEN THINK ABOUT WINTER, SNOW... AND CHRISTMAS.

RADIO MOSCOW, DECEMBER 22, 1977:

Vladimir Pozner, in his daily talk, mentioned that in the Soviet Union Santa Claus is known as "Grandfather Frost". He then interviewed Victor V. Volodin (?) who, he said, was the real Grandfather Frost. The gentleman's title was "Chief of the Department for the Industrial Development of the Toy Production of the Ministry of Light Industry of the Union of Soviet Socialist Republics".

Sort of takes the charm out of it, doesn't it? Maybe it loses something in the translation.



# log report *section*

1600-4899



DAN ROBINSON

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ANARC 1978 is at an end. Here in Washington, it's back to another edition of Log Report A as temperatures rise to 100 degrees and the city transit strike continues to make life difficult. Montreal was probably the most successful

ANARC convention ever and did much to strengthen the ties between many organizations and clubs, covering everything from shortwave and utility to FM and AM. More on the convention elsewhere in FRENEX. . . Generally, summer conditions continue, although there has been some reason for optimism on the lower bands for Latin American stations.....

- 1629 USA PIRATE: "WFAT" noted at 0450 t/in with calls on telco loop (212) 664-9979 and drifting in freq; noted only sporadically (Foxworth 8/6)
- 2200 NICARAGUA La Lider: 0205 SP, mx and occasional tlk, poor to fair (Valko 6/23)
- 2390 MEXICO R Huayacocotla: 0157-0203 SP, mx and fast tlk, QRN (Valko 6/23)
- 2428 NEW IRELAND RNI: 0917 Pidgin, M hosting pgm of EL mx, poss ID 0930 (Bishop)
- 3204 JAVA RRI Bandung: 1315 IN, M in cmty/nx, mx at 1325 (Poppin 8/4)
- 3215 CELEBES RRI Menado: Orchestral mx, organ at 1323 in Indo, M ancr (Poppin)
- 3215 SOUTH AFRICA SABC: EG svc noted 6/21 at 1820 (Goonetilleke)
- 3222 TOGO Lama Kara: Fair in vernaculars 1920; no sign of Swazi stn (Victor G 6/21)
- 3223T SWAZILAND: 0445 EG, tlk pgm on several topics including teaching in So. Africa fairly good sig (Klein 7/6) Does not sound like Swazi programming--beware of ID's in this area with SABC hanging around--DR (see below)
- 3230 SOUTH AFRICA SABC: 0325 EG, light mx, ads, and IDs (Valko 6/9)
- 3240 PERU R. America: 1010 SP, LA and U.S. mx, M ancr (Prath 6/11)
- 3250 SOUTH AFRICA SABC: All night svc //3980 both better than even Indian regional stations at 0100 as we are experiencing Southern winter DX conditions here in the tropics! (Victor G-Sri Lanka) 0450 Springbok Radio EG, pops, tlk & comment w/M arrs (Klein 7/6) 0445 EG, ads, "Our Changing World" pgm, M DJ, pops (Alex-ander)
- 3260 NIGER Niamey: FR ancmts and mx at 1810 on 6/20 (Willis-Australia)
- 3260 PAPUA NEW GUINEA R Madang: 1226 Pidgin, group songs, record requests, some C&W vocals (Poppin 6/10)
- 3265 SUMATRA RRI Bengkulu: 1317 IN, M in cmty to 1322, band mx/chorus and back to Indo tlk by M (Poppin 6/19)
- 3275 PAPUA NEW GUINEA R So Highlands: 1236 Pidgin, group vocals, mentions of PNG, some rock mx (Poppin 6/10)
- 3285 SOUTH AFRICA RSA: 0500 EG/AK mx bdest w/several ancrs; F sigs (Klein 7/6)
- 3285 BRAZIL R Olinda: 0240 PT, "Olinda..." frequently by M ancr, LA mx (Saylor)
- 3290 PAPUA NEW GUINEA R Central: Pidgin 1249 rock vocals; 1300 "Radio Central, National Broadcasting Corporation" followed by chorus singing NA, then s/off (Poppin 6/10)
- 3293 UNID: 1308 in Indo or Malay; 1312 native singers, M ancr;(if Samarinda off due to repairs, perhaps they are back now--DR) (Poppin 6/10)
- 3300 GUATEMALA R Cultura: 0230 SP, LA mx, IDs by M ancr, G (Saylor 6/10) 0420-0430 EG, M w/rel pgm, ID (Klein)
- 3315 BRAZIL R Asuncao: 0020 PT, EL Brazilian mx, ID 0030, 0045; good sigs and new for me here (Bishop 7/6)
- 3322 PAPUA NEW GUINEA R No Solomons: Kieta in Pidgin, 1014 C&W mx, M ancr (Poppin)
- 3325 BRAZIL R Gazeta: 2332 PT, futebol match, ID 2359 (Bishop)
- 3335 PAPUA NEW GUINEA R East Sepik: 1044 Pidgin, mention of "P.O. Box 155, Sydney, Australia" and "Tomorrow, Saturday morning. . ." (Poppin 6/9) George, presume this is typo for 3335--DR 1025 EG/Pidgin M&W ancrs, C&W/local mx, ads (Klein) 1242 EG, M ancr w/pop mx pgm (Bryan 6/29)
- 3342 MOZAMBIQUE RM: PT hrd on this newish freq //737, 3210, etc., good lvl at 1800 (Willis-Aus)
- 3345 T BRAZIL R Cultura de Sergipe: 0151-0156 PT, LA mx, sounded like ADS and tlk (Valko 6/23) Any definite ID on this one? These Brazilians fade in and out from day to day, often making positive IDs difficult--DR
- 3345 MOLUCCAS RRI Ternate: 1316 Indo mx; 1325 chorus w/presumed NA, hrd mention of "Terna-tee" followed by C&W/rock (Poppin 6/10)
- 3350 GHANA GBC: 0600 EG, mx pgm with W //3366; both poor (Klein 7/5)

- 3360 ECUADOR R. Federacion: 1015-1021 w/drum and flute solos, M w/sermon in lcl dialect, ID; very bizarre format (Krueger 7/4)
- 3380 MALAWI MBC: 0310 in vernacular tlk, African mx, weak signal (Young 6/5) (Welcome to IR-A) 0356 s/on w/anther, tlks in lcl lang; signal held until 0430 (Lobdell 6/24)
- 3385 FR GUIANA Cayenne: \*0900 FR, electric guitar IS, march, ID/freqs by M ancr, into jazz/orchestral mx (Saylor 6/10)
- 3385 PAPUA NEW GUINEA R E.New Britain: 1055 EG/Pidgin M ancr, clear ID, light mx (Klein) 1033 Pidgin w/mention of Rabaul, PNG (Poppin 6/29)
- 3385 SARAWAK Miri: 1308 in Malay/vernacular in news; mention of "Miri" 1315 (7/3)
- 3390 ECUADOR R Zaracay: 1030 SP, much tlks by M, some mx (Prath 6/9)
- 3390 AFGHANISTAN RA: Probably in Uzbek svc here at 1445, fair, but splash from Sri Lanka 3390 (Victor G-Sri Lanka)
- 3395 SUMATRA RRI TanjungKarang: 1317 in lang, M in chants and tlk (Poppin 7/3)
- 3396 RHODESIA RBC: 0402-0436 EG, mx, ID, orchestral mx (Vaiko 6/9)
- 3420 USA PIRATE: Jolly Roger Radio noted on one day only, 7/1 with Irish music and seemingly some bluegrass, Location presumed Indianapolis per LN report by Charles Taylor saying station soon to be active. Well, haven't hrd them since at least this freq at 0400-0500 time slot; two clear IDs; watch for this one... (Robinson 7/1) (FRENEX does not support pirate radio activity--DR)
- 3480.6 BOLIVIA R Padilla Vega: Ballads with good signal 0115-0200; I sometimes note brief openings to SA on ECB a bit earlier than this, around 0030; Padilla may have been even better before 0115 t/in here(Foxworth) They peak between 2300 and 0100 Bob--DR
- 3810 ECUADOR HD210A Time Station: 1039 w/pips, SP ann on min(Ethen 7/1) 0700(Klein)
- 3905 ADMIRALTY IS R Manus: 1100-1115 Pidgin, w/3 time pips, ID, tlk by M, US pop mx by group (Onken 6/14) 102b Pidgin, ments of PNG (Poppin 6/22)
- 3910 JAPAN FEN: 1049 w/"Pop Countdown of 1944" (I Got a Gal in Kalamazoo), fair w/ARO QRM(Ethen 7/1) 1257 EG, trumpet jazz mx, M ancr (Bryan)
- 3925 JAPAN NSB: 1030 JP, pop mx, JP/EG ads, the usual NBC QRM(Ethen 7/1)
- 3960 CELEBES RRI Palu: 1338 Indo, rock mx; fade by 1344 (Poppin via Sparks 7/4)
- 3970 CAMEROON R Buea: EG pgn 1815, into EG nx from Yaounde at 1830 when all Cameroun stations carry same nx, F-G (Victor G-Sri Lanka)
- 3980 SOUTH AFRICA SABC: Springbok Radio 0158 EG/AK mx, ads, excellent sigs, very little QRM (Howarth 6/21) 0225 EG/AK SABC All night svc, EG nx 0230(Saaf)
- 3980 GERMANY VOA Munich: 0402 EG, rx on Breakfast Show (Klein)
- 3985 ECUADOR Radiofonica Populares: 1058 SP ID, nx, then into pop mx (Ethen)
- 3990 LIBERIA VOA Monrovia: 0415 EG, nx to W. Africa (Saaf 6/28)
- 4115 KOREA (NORTH) VORP for Reunification: 1304-1330 M in KR //4554.7; Wm Tell Overture at 1310 (Sheedy 7/5) 1300 to 1430 s/off after EG armt/anther(Victor G)
- 4380 CHINA PLA Fuzhou: 1347 CH, per TBS (Poppin 7/4)
- 4690.9 UNID: Fair carrier here, trace of audio 0130; possibly Riberalta down here? (Foxworth) Think Riberalta has NF in 60 meters Bob--DR
- 4691 VIETNAM Can't hear Bhatan on Wednesdays 1220-1330. Either I hear the drifting Vietnamese or a clear channel; other DX'ers in US, Japan, NZ also hear the Viet (Victor G 6/21) I can't hear Bhatan either, Victor, as much as I try--hi--DR
- 4699 UNID: RKIP Surabaya, noted //4719 Ujung Pandang nx 1300-1310; assumed ID at 1300, but well under ute QRM; didn't think RKIP relayed RRI, oh well (Sheedy)
- 4719 CELEBES RRI Ujung Pandang: 1304 Indo, M with nx, 1306 short band mx, 1308 "on location" newx reporter (Poppin 6/19)
- 4724 BURMA Rangoon: On extended sked 6/17 until 1600\* in Burmese langs (Victor G)
- 4752 UNID: INDONESIAN still here 6/19 1244 M vocalist, slow rock mx; 1259 SCI and beeps, into nx by M (Poppin) This shouldn't be a problem to ID since it has a fairly potent signal--have you gotten an ID since this June reception?--DR
- 4755 COLOMBIA Em Nuevo Mundo: 0140 SP, LA mx, tlk (Alexander 7/3)
- 4760 PAPUA NEW GUINEA NBC: I believe this frequency shift has been explained by now as an engineering error and NBC has returned to 4890--DR
- 4770 VENEZUELA R Bolivar: 0120 SP, ad string, ID and jingles (Novello 7/8) 0015 mx and ads (Tannenwald) 0150 LA mx, ID (Alexander) 0345-0400\* (Klein)
- 4775 AFGHANISTAN RA: Urdu 1300-1400, EG 1400-1430, then HS to 1730; bad het due to reactivated but irregular Jakarta on 4774 (Victor G)
- \* 4781v ECUADOR UNID: A station here before R Juticalpa s/on has been hrd 1015-1040 and in the 0430-0500 time slot with ads for "Banco Ecuatoriana"; sigs better in morning; wiped out by Juticalpa s/on (McNeil and Sheedy 7/24)
- 4780v HONDURAS R Juticalpa: 1040-1050 SP, IDs, ranchera vocals, M DJ, long ad strings, excellent sigs (Krueger 7/4)
- 4785 BRAZIL R Ribemar: 0815 PT, Brazilian mx, tlks (Tannenwald)
- 4790 PERU R Atlantida: 0030 SP, local Sp pop mx, ads, fanfare IDs (Hoffman 6/13)
- 4795 ECUADOR LV de los Caras: 0245 pop mx, armts, ID (Young) 0318 SP, ID, thanks to listeners, best ever hrd here (Jones 6/16)

- 4801.2 ECUADOR R Popular: 0530 nearly clear of 4800 ute; sometimes good in 0530 time slot; usual local mx pgms (Foxworth) 0155 SP, tlk, Ecuadorian fare (Alexander) 0515-0600\* SP, EL/pop mx, IDs, NA at s/off (Jordan 6/11)
- 4810 GALAPAGOS (ECUADOR): LWG 0240-0300 SP, several mentions of Galapagos, mx, ID (Jordan 6/11)
- 4810 SOUTH AFRICA SABC: 0152 AK, mx, "Colonel Bogey's March" armts, cigarette ads, theme mx (McCants)
- 4815 COLOMBIA R Guatapurí: 1045 SP, pop mx (Prath)
- 4820 HONDURAS HRVC: Usual rel pgm 0100-0458\* (Klein, Jordan, Prath)
- 4825 GUATEMALA R Mam: 0135 SP, LA mx, ID, tlk (Osterman 6/16)
- 4828 RHODESIA RBC: "A Voz de Africa Livre" programme // 998, not listed for SW; PT with ID 1856, s/off 1900 (Willis-Aus)
- 4832 COSTA RICA R Reloj: 0410 SP, 1cl mx (Alexander) 0529-0605, ID 0600 (Wheeler) Welcome to IR-A, Frank. . . DR
- 4835 GUATEMALA R Tesulutlan: 0200-0207\* SP, s/off armts, closing mx/NA (Alexander) 0115-0157\* full ID before s/off (Klein 6/29) 0146 ID, guitar mx (Jones 6/21)
- 4845 MOLUCCAS RRI AMBON: 1049 IN, SCI 1059 and into mx relay (Poppin 6/29)
- 4845 COLOMBIA R Bucaramanga: 0400 SP, several IDs, ads, closing armts, NA 0407 (Fowler 6/10)
- 4850 SURINAM SRS: 0308 EG/DT pop mx; some LA mx; good 60 meters night (Reini) What? Where are the usual 25 reports for SRS????--DR
- 4850 ECUADOR R Luz y Vida: 1023 SP, ID w/some echo, tlk on agriculture; seems to be NF; hrd same time on 6/26; (Jones 6/23) I haven't monitored this freq lately; wonder if they're still there (Ecuador)--DR
- 4855 BRAZIL RC do Para: 0810 PT, tlks and mx (Tannerwald 6/23)
- 4856 SUMATRA RRI Palembang: 1325 IN, M in comment followed by band mx/ (Poppin)
- 4864 BRUNEI Berakas: 1335 in lang, M and F in tlk followed by orchestral mx; continued in vocals (Poppin 6/26)
- 4870 BENIN LVR: 2345-0000 in FR, nonstop African mx (Radcliffe) (Welcome to IR-A) 0530 FR, 1cl mx, then M in commentary (Klein)
- 4875 BOLIVIA La Cruz del Sur: 0220 t/in EL mx, including El Condor Pasaj; 0225 TC by M and into more EL mx; 0228 M in SP w/echo effect (Hywarren 6/27)
- 4875 IRIAN JAYA RRI Sorong: 1327 IN, W in commentary/tlk, mx (Poppin 6/16)
- 4875 COLOMBIA LV del Norte: 0410 SP, typical LA mx, ads and IDs (Klein)
- 4880 VENEZUELA R Universo: 1030 SP, LA mx, M anc (Prath) 0313 pops, IDs (Fowler) 0215 (Jordan) 0045 (Tannerwald)
- 4885 COLOMBIA Ondas del Meta: \*1022 w/NA, chimes, short ID, more chimes, greetings to listeners, run-of-mill LA pop mx (Jones 6/15)
- 4890 PAPUA NEW GUINEA NBC: Now back here 0745 to 1301 with the usual, EG/Pidgin pgm, tlk and pops (Conover, Tannerwald, Poppin, Osterman, Klein, Reini, Bryan, Kenyon)
- 4895 SARAWAK RM Kuching: 1359 w/drum mx, 1400 beeps and ID "Radio Malaysia, Kuching. . ." and into news (Poppin 7/4)
- 4900 VENEZUELA R Juventud: 0100 SP, pops and ads, IDs (Tannerwald)

And so another Log Report A comes to an end! I look forward to September and October when conditions will be on the upswing. Meanwhile, look for some excellent features in Shortwave Center pertaining to ANARC '78, and the usual beautiful QSL Report by Sam Barto. Let's try to get the percentage of NASWA membership contributions to the Log report sections up to at least a respectable level. . .

73 DAN

SAVE ON A NEW PANASONIC RF-4800: NASWA member Ira Silverstein advises he can offer other NASWA members substantial savings on a new Panasonic RF-4800 receiver.

He will furnish new sets for \$385.00 postpaid (NY residents would have to include 8% sales tax). Orders must be accompanied with a certified check or money order.

Any additional inquiry about this offer should be directed to Ira Silverstein, 1847 Shore Parkway, Brooklyn, NY 11214 since NASWA's only interest in this offer is to make the announcement.

# log report

section

4900-6199

# B

STEVEN WISEBLOOD

- 4905 BRASIL R. Relogio Federal: 0301-0322 Instrumental mx. ID. Fair-Good (Valko).  
4910 GUINEA R. Dif. Nationale: 0545 M in FR, local string mx, ID at 0600(C. Hoffman).  
4910 ECUADOR E. Gran Colombia: 0737 ID, Argentine mx. Good. (Jones-MS).  
4911a ZAMBIA ZBS-Lusaka: 0403 M&W in EG w/talk, ads for "Ivory Liquid", chimes at 0430 w/TC and ID as "630-ZBS" (Lobdell-MA). 0450 local mx, ID and EG rx 0500+ (Bishop). 1800 EG rx (Willis-AUSTRALIA). North America check 0400-0500 for this one! -SCW
- 4915 GHANA GEC: 0545-0605 Afro mx, W in EG w/local rx 0600 Fair (S. Klein).  
4920 ECUADOR R. Quito: 0115 M in SP w/ID. LA mx. (Tannenwald).  
4920 AUSTRALIA Brisbane-ABC: 1309 M in EG, piano and EL mx (Bryan-CA).  
4930 DOMINICAN REP. R. Mil: 0115 M in SP w/ID, popular LA mx (Tannenwald).  
4932 NIGERIA Benin City: 0431-0439 Talking drums IS, NA and EG ID (Overcamp).  
4934 KENYA Voice of Kenya-Nairobi: \*0300-0320 Flute IS, M in EG: "This is the Voice of Kenya", into hymn-type NA, then Swahili talk. Good clear signal(Onken, R. Young-MA). Heard 6/22 at 1645 after being off the air for at least a week.(Goonetilleke-SRI LANKA
- 4940 VENEZUELA R. Yaracuy: 0035 LA pop mx, M in SP w/ TC and ID (Prath).  
4944 VIETNAM Hanoi: 1335 Oriental string mx, mentions of Hanoi (Poppin 7/3).  
4950 MALAYSIA-SARAWAK RM-Kuching: 1125 M&W in EG, Mor mx, ID's and TC's. Poor. (Onken). 1402-1408 M in EG w/world rx (Poppin 7/4).
- 4965 COLOMBIA R. Santa Fe: 0355-0635 LA mx, ID's & SP anmts (Osterman, Saylor).  
4990 VENEZUELA R. Barquisimeto: 2320 LA pop mx, M in SP w/anmts (Prath).  
4990 SOUTH AFRICA R. RSA: IS \*0257, ID, EG rx. Poor (S. Klein).  
5005 NEPAL RN: 1650 in Nepali, corrected from 5007. Very Strong. (\*Goonetilleke)  
5005 SARAWAK RM-Sibu: 1409 W in Malay w/nx. Good. (Poppin 7/4).  
5010 COLOMBIA R. SurColombiana: 0139-0416 M in SP, LA mx, echo anmts. ID(Valko,Dunlop). 1000 M in SP w/anmts, LA pop mx and ID's (Prath).
- 5010 PERU R. Eco: 0150-0243 flute mx, long SP talks, R. Sur silent. Fair (Krueger).  
5010 CAMEROON R. Garoua: 0504 M in EG w/nx 0500-0506, then ID and FR cmtry(S. Klein).  
5020 SOLOMON ISLANDS SIBS: 0930-1015 EG discussion pgm, 1000 Aussie rx relay(Ethen-OR).  
5025 ECUADOR R. Splendit: 0630 LA pops, LOUD ID's, Fair. (S. Klein, Saylor).  
5030 SARAWAK RM-Kuching: 1414 W w/ID, M in lang;slow tempo MoR mx. (Poppin 7/4).  
5030 VENEZUELA R. Continente: 0215 LA mx, SP talk (Alexander). 0924 ads, SP ID (Ethen).  
5035 BRASIL R. Aparecida: 0128-0136 ID's, MoR mx (Valko 6/23).  
5038 CENTRAL AFRICAN EMPIRE Voix de L'Empire Centrafricaine: 2225 Choral mx(Alexander). 0626 folk mx to 0630, then anmt in lang. (S. Klein).
- 5040 VENEZUELA R. Maturin: 0359 YVNA ID. Fair-Good (Hywarren),  
5041 GUINEA-BISSAU RDP Nationale: \*0559-0615 Drum IS, W in PT with ID, NA (Onken 6/10).  
5045 BRASIL R. Cultura do Para: 0922 local pgm, PT ID, PT anmts, Bras. mx (Ethen 6/13).  
5047 TOGO RT: \*0525 Bell IS, NA, ID b, M, choral mx. Fair. (Saylor 6/10).  
5075 COLOMBIA R. Sutatenza: 2335 W in SP w/talk. (Prath 6/12). 0100 LA mx & ads (Saaf).  
5095 COLOMBIA R. Sutatenza: 0912-0950 SP anmts, LA pop mx, ads. (Ethen-OR, Prath).  
5140 CHINA RP: W in RS 1349 w/cmtry. "Da-Svae-Dahn-Yah"-Good-Bye. (Poppin 6/10).  
5812v "SPY" STATION: \*0400 W in SP repeats "365.....1234567890..", then into 5-number groups at 0407, //4671. (Hywarren). \*0902-0907\* W in SP w/groups of numbers(Ethen).  
5850a U.S.A. "PIRATE" Voice of the Voyager: Usual s/on \*0400, accepted calls from U.S. and Canada at 212-626-9906. Mentioned that they were heard in ENGLAND. Read lists of people receiving QSL's. Said they have 1000 QSL's to give away. At s/off the boys read the following together: "May the Spirit of the Voyager be with you all". Heard by: Foxworth-NY 6/4, Wirsz-B.C. 6/10, Fowler 6/11, Lobdell-MA 6/11, Thibodeaux 6/11, Hywarren 6/18, Bishop 7/1, Krueger 7/2, Osterman 7/2, D. Prisco-PA 7/16. (10 rpters!).
- 5883v ARGENTINA R. Rivavavia: 0030-0234 soccer rx, SP sports pgms. Poor w/QRN (Barto, Zilmer-WI, Hywarren).
- 5955 COSTA RICA R. Casino-TIQ: 0500 M in EG, pop mx. Poor-Fair (Klein)  
5965 BRASIL R. Guaiaba: 0105 M in PT w/futebol. Fair. (Hywarren). 0145 o/BBC Hindi, a southern winter condition where BBC's north summer signal path is poorer than this LA's unintended south winter route. (Goonetilleke -SRI LANKA) 0945 M in PT, light mx, Clear ID, then nx in PT. Good. (S. Klein 6/26).
- 5970 PERU R. El Sol: 1043 Peruvian mx, M in SP announcing, some hum on carrier(Jones-MS)  
5970v DOMINICAN REPUBLIC RTV Dominicana: M in SP 0030 (an odd time for us). //9505. Good level. Pleasing reception (Willis-AUS). \*0924 piano chord IS, choral NA, gave calls and cities of stations in net (Jones-MS). 1008 M&W in SP w/local rx(Klein).
- 5970 USSR Khabarovsk: Mayak 1406, USSR wx, female choir. Really great! (Poppin 6/16).

- 5975 GREAT BRITAIN BBC: 2300-2313 EG nx, ID's, and cmntry (Valko 6/9).
- 5975 CHINA R. Peking: \*1300 w/whining East Is Red. Sounds like Korean (Goonetilleke). It IS Korean!, noted for over a year by myself on this freq! -SCW
- 5980 SIERRA LEONE SLBS-Freetown: Heard at new time 2330-0001\* w/EG religious pgms and some pop mx(Willis-AUSTRALIA, Krueger). On extended sked to 0100(Goonetilleke 6/6).
- 5980 SOUTH AFRICA R. RSA: 0515 Lozi pgm w/talk. Good. (S. Klein).
- 5980 PERU R. Panamericana: 0001-0048 after SLBS s/off w/M in SP, long ad strings and disco droid mx. Very Good (Krueger 6-28).
- 5985 UNITED STATES WYFR: 0115-0415 British scientist announcing new nose drop contraceptive in Stockholm. Bible readings EG and FR (Byron-IX, Swanson, McCants).
- 5987 INDONESIA RRI Menado: 1029-1035 light island mx, weak and fading (Krueger).
- 5990 ETHIOPIA RE: 1500-1630 Ethiopian svce //7110. clear of Rangoon. (Goonetilleke 6/26)
- 5995 MALI R. dif Nationale du Mali: 2347-0000\*nx in FR, Afro mx, NA(Barto, Raper).
- AUSTRALIA RA-Lyndhurst: 0930 W in EG w/nx, pop mx(Klein). 1325-1332 Aussie nx, pop and folk mx (Bryan-CA, Grenier).
- 6005 CANADA CFCX: 2315 phone in show, people giving politicians a hard time about their support of a bill to make French the compulsory lang. (Whitaker).
- 6005 AUSTRALIA R.A.-Carnarvon: 1038 "Count Down" musical pgm, EG arnts (Woltman 6/13). 1525-1730 to S.E. Asia, noticed a bad hum on frequency. (Goonetilleke 6/22).
- 6005 BOLIVIA R. Progreso: M&W in SP, ads alternating SP-Indian lang, many mentions of Bolivia, possible devotional pgm 1030. ID by M., native campo mx at 1041(Jones-MS).
- 6006 COSTA RICA R. Reloj: 1015 SP vocal mx, TC's and ID. Big for 1kw (Reind -6/9).
- 6010 PHILIPPINES VOA-Tinang: 1330 site ID, IS, M in EG, into Korean nx (Bryan 6/29).
- 6015 VATICAN CITY VR: \*0030 I9, bells, ID, into religious pgm. Good. (S. Klein 6/26).
- 6025 PORTUGAL RP: 0511 EG talk about Portuguese TV system, ID. Fair (Claud Ethen 7/8).
- 6025 PARAGUAY R. Nacional: \*1000 NA by chorus, ID and freqs, SP talk. (Jones-MS).
- 6030 PHILIPPINES FEBC: Fair w/ID at 1300 during EG svce(Goonetilleke). 1332 hymn, sermon, Lord's Prayer, gave site ID (Bryan 6/29).
- 6030 UGANDA R. Uganda: EG at 1530, does not seem to be using 9515 anymore. (Willis-AUS).
- 6035 LIBERIA VOA-Monrovia: 0419-0615 EG nx, stories, cmntry, ect..(Bryan-CA, Klein).
- 6035 BOLIVIA R. Panamericana: 1047 very similar to Peruvian mx, SP (Jones-MS).
- 6035 BRASIL R. Globo: 0108 PT futebol game, crowd cheering. (Hywarren). //11805
- 6040 GERMAN DEMOCRATIC REPUBLIC RDI: \*0000 IS, ID, SP nx, //6070 (S. Klein, Prath).
- 6045 BRASIL R. Clube Paranaense: 0109 futebol in PT. Poor w/jamming QRM(Hywarren).
- 6060 ARGENTINA R. Nacional: 1028 ID, music filler until 1030 SP talk (Jones-MS 6/26).
- 6065 COLOMBIA R. Super: 0840 SP pop mx, ID's (Prath 6/11).
- 6065 SPAIN REE/SFR: \*0100 EG to Nam, //11880, nx, Panorama. Good. (Klein).
- 6070 CANADA CFRX-Toronto: 0559-0610 ID, "Weekend" pgm, EG nx, wx and sports (Klein). 1750-1818 Pop mx, ads, TC, ID (Alexander, Schweikart).
- 6080 CANADA CKFX-Vancouver: Country mx, EG sportscasts 0144+ (Berezowski)
- 6080 BELGIUM BRF-4, ORU: 0050-0055 EG "Brussels Calling" (Thibodeaux-LA, Schweikart).
- 6082 PERU R. Nacional: 2330-2350 Enthusiastic sportscaster in SP w/scores(Hoffman-PA). 1056 "Musica Folklorica". Fair (Jones-MS).
- 6085 BRASIL R. Jornal do Comercio: 0110 futebol. Good. (Hywarren).
- 6090 LUXEMBOURG RL: 0020-0155 M dj, pop mx, ads.(Willis-AUS, Alexander). Overcamp/
- 6090 NIGERIA Kaduna: 2300-2316\* EG nx, into Korean chants (for Northern NIGERIA)/
- 6095 BRASIL R. Dif do Sao Paulo: 0111 in PT w/futebol coverage. Vy. Good (Hywarren).
- 6100 VENEZUELA YVTO-time station: Time pips, tone for minutes, SP amnt 0925 (Klein).
- 6100 MALAYSIA RM Kuala Lumpur: 1406 electric organ/flute mx, Thai pgm (Poppin 6/26).
- 6105 MEXICO Su Pantera: 1045 U.S. and LA pop mx (Zilmer).
- 6115 COLOMBIA LV del Llano: 0945-1155 LA pop mx, ID's, SP arnts (Prath, Klein).
- 6115 PERU R. Union: Wild and wooly Peruvian tunes 1022. Good. (Jones-MS).
- 6120 ARGENTINA R. El Mundo: 1000 time pips, ID by W, SP nx (Jones-MS).
- 6130 GHANA GBC: 2232-2244 EG religious hymns, ID. Poor. (Osterman).
- 6130 SOUTH KOREA Seoul: Home service, 10kw, Korean pgm. Quite weak. (Goonetilleke).
- 6135 BRASIL R. Gaucha: 0103-0130 PT futebol & sports cmntry (Goonetilleke, Hywarren). 0917-0932 PT Information/News, plenty of clear ID's. Good (Ponder).
- 6135 SOCIETY ISLANDS R.Tahiti: 0429-0525 Island mx, M in Tahitian w/talk(Bryan,Kenyon).
- 6140 AUSTRALIA Perth-VLW6: 1345-1451 pop ms, M in EG w/arnts (Poppin, Bryan).
- 6140 COLOMBIA R. Melodia: 0350-0415\* soft ballads & ranchera mx. M&W in SP(Hoffman)
- 6150 COLOMBIA LV del Huila: 0706-1045 ID's, SP arnts, pop mx(Ponder,Prath,Klein,Jordan)
- 6155 AUSTRIA ORP: \*0130-0155\* to Nam, EG nx, cmntry, "Pop Corner" (Fraser 6/16).
- 6155 GUATEMALA R. Nacional: Marimba mx, M in SP w/arnts (George-IX). (Ponder)
- 6160 COLOMBIA Emis Nueva Granada: 1000-1139 ID as "R. Sucesos de Colombia"(Tannenwald)
- 6175 BRASIL R. Guarani: 0058 PT futebol, 0100 ID. Fair-Poor (Hywarren).
- 6170 VENEZUELA R. Nacional: \*1003 ID at close of chorus music pgm. SP talk(Jones-MS).
- 6170 PHILIPPINES R. Philippines: EG ID 1300 by W. 10kw. Fair. (Goonetilleke).
- 6190 VENEZUELA Ecos del Torbes: \*1000 arnts, LA mx. Good. (S. Klein).
- 6195 MALAYSIA BBC-Tebrau: 1352 Classical mx, M in EG w/cmtry (Bryan-CA 6/29).

UNTIL NEXT TIME 7315 STEVE

# log report

AUGUST, 1978

section

6200-11699



TOM GAVARAS

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Bonjour! After making some last minute plans, I was able to attend the 1978 ANARC/Montreal convention. What an outstanding convention it was!!! I can't remember when I have ever had such a good time! A BIG THANK YOU goes to Ian McFarland for organizing this convention!

I will be heading back to St. Cloud, Minnesota in September, but continue to send all correspondence to my Wayzata address. Wayzata is about ten miles west of Minneapolis and St. Cloud is about seventy miles north of Minneapolis.

Just a reminder that all reports for the Log Report Sections should be sent to our new Distribution Editor: DAVE WALCUTT, 2828 ROGERDALE #108, HOUSTON, TEXAS 77042.

- 6210 UNIDENTIFIED; 0211-0226 Rock music with some talking in English. Barely audible under noise from thunderstorms (Valko 6/12).
- 6230 EGYPT R. Cairo; 0200-0330 English news, mailbag, talk about the Eastern civilization's benefit of Egypt (Bryon 6/29, Valko 6/12, Thibodeaux 6/12).
- 6685v CHILE Voice of Chile; 0556-0632 Spanish Time Check, full ID, news into Star Wars theme. Perhaps a feeder? Fair with mucho QRM. (Ethen 6/27).
- 6873 UNITED STATES VOA; 0648+ Split Feeder with English "Farmers Forum" on African Safari and an interview in French about Africa. (Ethen 6/26, Alpert 6/16).
- 7065 ALBANIA R. Tirana; 0000+ English news and talk on world communist parties. (Schweikart 6/21, Wheeler 6/13).
- 7110 INDONESIA RRI (Yogyakarta); 1304 French news read by a man (Grenier 6/25).
- 7120 ALBANIA R. Peking; \*0100 English talk on the victimization of Chinese nationals. by Vietnamese authorities //9780 (Klein 6/30).
- 7145 UZBEK SSR R. Tashkent; \*1600 Farsi with a very strong signal. BECMS lista//11925, 9600 & 9540 but this channel gives the best signals (Goonetilleke 6/9).
- 7160 SARAWAK R. Malaysia; 1337-1406 English news on Malaysia & Indonesian relations, etc., with classical music (Poppin 6/19, Bryan 6/19, Grenier 7/1).
- 7165 PHILIPPINES VOA (Tinang); 1403 English news about Mondale, Israel, etc. (Bryan 6/29)
- 7175a TURKEY V. of Turkey; \*0358 Interval Signal, Turkish ID and news (Klein 6/24).
- 7200 AFGHANISTAN R. Afghanistan; 1445 Home Service in vernaculars but not // 6000 & 4775 (Goonetilleke).
- 7200 ENGLAND Voice of America; 0310 English with Breakfast Show (Leithner 6/11).
- 7215 BRUNEI R. Brunei; 0927 Chinese talking with a program of oriental vocal music (Bishop 6/30). 1430+ English ID and s/off after classical music program (Wirsz 5/14).
- 7225 PHILIPPINES FEBC; 1442 English/Chinese talk and music (Poppin 6/19).
- 7255 NIGERIA V. of Nigeria (Lagos); \*0555 English preview of upcoming programs (Saaf 6/23)
- 7265 GERMANY (WEST) Sudwestfunk; 0301 German talk with songs "Just the way you are", etc. (Novello 7/8). 0538 German ID and accordion music (Osterman 6/14).
- 7270 SARAWAK R. Malaysia; 1411 Malay talk, music request program with guitar mx (Poppin).
- 7295 MALAYSIA R. Malaysia; 1320-1417\* English Talk on plastic surgery, elections in Africa, talk on the opening of the Institute of Technology of Mara Malaysia. (Poppin 6/19, Ethen 6/23, Bryan 6/29).
- 7300 ALBANIA R. Tirana; 0250 English program about the struggles for Freedom and independence (Leithner 6/11). 0350 English program (T.Smith 7/3).
- 7325 ENGLAND VOA; 0605 English Breakfast Show with talk about Zaire (Klein 6/6).
- 7345 CZECHOSLOVAKIA R. Prague; 0330 English discussion of early days of Czechoslovak Radio (Bryon 6/29).
- 7449a NICARAGUA(?) R. Sandino; Heard here at 0510 tune in with Spanish talk, brief musical interludes and short announcements by YL. ID as ".....Nicaragua...Radio Sandino" and announcements to "Nicaraguan Comrades." 0518 went off briefly and returned to 7448. At 0523 returned to air after another break and went into OM speeches. 0524 went off the air and have never been heard here since. Fair-Good signals with good modulation for a Clandestine. See February LN-8 for other information on Radio Sandino. Anybody know an address for them (Hywarren 6/11).
- 7600 ECUADOR HD210A Time Station; 0313 Spanish time, ID & time pips (Thibodeaux 6/13).
- 7651 UNITED STATES VOA; 0320 One of the VOA dual feeders with English and an unidentified language (Saaf 6/22, Ethen 6/30).
- 7770 CHINA R. Peking; 0744 Chinese Domestic Service program w/VOA feeder QRM (Brookwell).

- 7770 UNITED STATES VOA; 0517-0714+ Feeder with English programming (Brookwell, Ethen).  
 8891.5 MONGOLIA R. Ulan Bator; Carrier on from 1710, s/on with English at 1725. Very strong carrier but low modulation. I'd love to hear this one on full modulation as its so rare comparatively. (Goonetilleke 6/22).
- 9022 IRAN V. of Iran; 0155 Farsi talk & music (Kenyon 6/27). Unidentified language at 2345 with Arabic type music (Alexander 6/27).
- 9360 SPAIN Spanish Foreign Radio; 0230 Spanish news with a good signal (Raper 6/12).
- 9410 ENGLAND BBC; English news program at 0600 (Alpert 6/23).
- 9420t KOREA (NORTH) R. Pyongyang; 1050 with march music and news in Spanish (Alpert 6/24).
- 9435 ISRAEL IBA; 0112 Special "30th Anniversary Celebrations Program" heard with Hebrew pop music. Ads and YL/OM announcers. Good signals//9815, 11640, 11655, 12077, 15465 (Hywarren 5/11). \*2230-2300\* English news, editorials and Israel Hit Parade (Fraser 6/20).
- 9500 LIBYA PRB; 2210-2325\* Arabic talking and vocal music (Novello 7/7, Alexander 7/3).
- 9505 DOMINICAN REPUBLIC RTVD; 2230-0100\* Spanish talk and music with numerous ID's. (Valko 6/2, Brookwell 6/11, Onken 6/6).
- 9505 JAPAN R. Japan; 0800 English s/on. Weak and nearly wiped-out from splatter BEC-9510. (Alpert 6/24). 1006 English news and feature program. Fair to poor (Klein 6/26).
- 9505 UNITED STATES KGKI; 1000-1100 English to Far East (ex 9580 kHz). In a phone call to the station, they said they made the change to avoid Australia, but why block Japan, who's had a hold on 9505 for decades? Fair signal (Lobdell 6/8).
- 9515 TURKEY V. of Turkey; 2200\* English with Turkish folk music, news, DX Corner, etc. (Fraser 6/8, Prath 6/6).
- 9520 PAPUA NEW GUINEA NBC; 0730-0825\* English News, religious program, ID, pop music. (Wheeler 6/23, Klein 6/26, Osterman 6/9).
- 9530mf PERU R. La Cronica; 1110 Spanish ID, ads, Peruvian music, etc. (Jones 6/24).
- 9540 CZECHOSLOVAKIA R. Prague; 0000 Portugese programming (Harrington 6/16).
- 9540 LIBERIA VOA; 2200 English Breakfast Show program (Brookwell 6/9).
- 9545 SOLOMON ISLANDS SIBC; 0702 English/Fidjon ID, Time Checks, pop & Country-Western music, talk about independence, news, etc. (Osterman 6/22).
- 9560 ECUADOR HCJB; 0215-0400 English News, Back to God Hour, etc. (Bryan, McCants, T. Smith)
- 9570 ROMANIA R. Bucharest; 0215 English cmntry, letters from listeners and local music (Kenyon 6/27).
- 9575 GREENLAND R. Greenland; 2300-2315 Greenlandic talk & music. Poor (Radcliffe).
- 9575 PAPUA NEW GUINEA NBC; 0800 English news and musical program (Woltman 6/23).
- 9580 ASCENSION ISLAND BBC; 0218 English commentary on religion in Britain (Bryan 6/22).
- 9580 AUSTRALIA R. Australia (Shepparton); \*1100-1300\* English news, pop music, Report from Asia, mailbag, etc. (Fraser 6/11).
- 9580 SPAIN Spanish Foreign Radio; 2200 English ID, cmntry, DX News, mx, etc. (Zilmer)
- 9580 ZAMBIA R. Zambia; \*1600 s/on heard under strong Moscow German service (Goonetilleke).
- 9585 HUNGARY R. Budapest; 2210 English talk, ID, Coca-Cola song, music request, etc. (Schweikart 7/8).
- 9590 CANADA BBC Relay; 2315-2335 English "The World Today" & "Financial News" (Fraser).
- 9590 NETHERLAND ANTILLES R. Nederland; \*0230 English Live Happy Station program with live phone calls from USA listeners (Saaf 7/3).
- 9595 JAPAN NSB; 0943-1759+ English and Japanese with ads by Hitachi, KDD Telephone service saying its cheaper to book overseas calls thru KDD, Tokyo Forum, Japanese music, etc. (Goonetilleke, Lobdell, Grenier, Ethen).
- 9600 ASCENSION ISLANDS BBC; 0500 English Time, ID & Talk on Egypt (Bryan 6/25).
- 9605 VATICAN STATE Vatican Radio; 0105 English interview with an American Bishop//6015 & 11845 (Schweikart 6/24).
- 9610 AUSTRALIA ABC (Perth); 1105 English ABC & Western Australian news (Schweikart 6/24). 1420 English with classical violin music (Alexander 7/3).
- 9610v NORWAY R. Norway; 0200 English w/Interval Signal, Norway this Week, cmntry, etc. (Woltman 6/26, Thibodeaux 6/12, Reini 6/26).
- 9615 ETHIOPIA VORE; Retimed English for 1500-1600 here (ex 9595 kHz) and // 7165. (Goonetilleke 6/17).
- 9615 SEYCHELLES FEBA; \*0312 Interval Signal and English ID (Osterman 6/22).
- 9615 UNITED STATES KGKI; 1352 Spanish Identification into Religious pgm (Valko 6/9).
- 9615 USSR R. Moscow; \*0100 French Identification into News for the African Service. What is the site for this one?? Any ideas Roger Legge?? (Hywarren 5/20).
- 9620 NEW ZEALAND NZBC; 0800 Heard here now in English (Willis).
- 9625 CANADA CBC Northern Service; 1520 English Sunday Morning program with a segment on the "Bottom 30," the World's worst pop records (Fraser 6/18). -I wish I could have heard that program!!! (editor) -
- 9630 SPAIN Spanish Foreign Radio; 0115 English discussions of some conferences (Berzowski)
- 9640 KOREA (SOUTH) R. Korea; 1614 English ID, cmntry on Korean warfare (Bryan 6/28).
- 9645 COSTA RICA TIPC; 1118 Spanish Identification with easy listening music (Jones 6/24). 1750 Spanish classical music & hymns, ID and address (Krueger 7/3).
- 9645 NORWAY R. Norway; 0400 English news & commentary (Sunday Only) (Leather 6/11).

- 9645 VATICAN STATE Vatican Radio; \*0530 s/on after Bell Interval Signal  
Multilingual programming (Alpert 6/23).
- 9648 GUINEA Rdf Nationale; Heard well at 0800//15308 (Willis).
- 9660 VENEZUELA R. Rumbos; 2022-C112 Spanish talking with music sung in Spanish and some American pop songs (BeeGees, etc.) (Berzowski, Valko, Reini).
- 9670 PORTUGAL R. Japan Relay; \*2200 General Service with news and cmntry in English for the first fifteen minutes and Japanese for the second fifteen minutes. (Lobdell 6/25, Hoffman 6/25, Osterman 6/25, Zilmer 7/2). June 25th was the first day of transmissions from this new relay (editor)-
- 9685 CUBA R. Havana Cuba; 2158 Interval Signal, Spanish News. Boreing (Reini 6/9).
- 9690 SWEDEN R. Sweden; 2300\* English Panorama & News about Sweden, cmntry, etc. (Valko 6/9, Schweikart 6/20, Alexander 7/3).
- 9695 SWEDEN R. Sweden; 0230\* English Mailbag & cmntry on Iceland elections (Kenyon 6/27, Grenier 6/26).
- 9710 MAURITIUS MBC; French heard at this remarkable time of 0300 (11:00 AM). Comes via the short path (over the Indian Ocean). Also heard daily to sign off at 1300 (Willis).
- 9710 KOREA (SOUTH) R. Korea; 1130 English news, commentary and mx//11965 (Zilmer 7/1).
- 9710 PERU R. Tropical; 0054 Spanish w/talk by man & ID (Lebryk 6/18). -Are you sure about this one? More details please! (Editor)-
- 9720 KOREA (SOUTH) R. Korea; 1600 English news, editorials comments and Melodies of Korea (Grenier 6/17, Harrington 6/27). 1822 English commentaries on North and South Korea (Bryan 6/25).
- 9725 PHILIPPINES VOA (Tinang); \*1330 Interval Signal, ID in English, into program in Korean (Conover 6/29).
- 9730 GERMANY (EAST) RFI; 0100 English news and sports program (Alexander 7/3).
- 9730 UGANDA UBC; 2025-2053 English identification with all middle-of-the-road music. (Osterman 6/16, Raper 6/20).
- 9735 ANTIGUA DW; 1000 s/on in Spanish and is stronger than BEC to S. Asia from Tebrau on 9740. Something wrong with BEC channel which used to dominate the band. (Goonetilleke).
- 9745 MALAYSIA V. of Malaysia; 0900-1600 operating here instead of 9750. On June 9th by error (Goonetilleke).
- 9745 IRAQ R. Baghdad; 2125-2152 English ID, sked, news read by announcer with strong accent (Hutchins 6/30, Prath 6/10, Valko 6/15).
- 9760 AUSTRALIA R. Australia (Shepparton); 0800\* English news, sports and music to Papua New Guinea (Osterman 6/11, Klein 6/26).
- 9760 GREECE V. of Greece; 0224 English program with a good signal (Whitakre 6/21).
- 9765 ASCENSION ISLAND BBC; \*2144 Interval Signal, English by Radio to South America. Lesson in speaking English on science (Valko 6/15).
- 9770 AUSTRIA ORF; \*0130-0155\* English weekend review, Letterbox, Medical Notebook, etc. (Fraser 6/3, Ponder 6/12, Dunlop 6/8, Schweikart 6/21). 0300 English Short Wave Panorama with a discussion of various SWL/DX topics (Jordan 6/4).
- 9770nf CUBA RHC; 2133 English program to Central & Latin America with all Latin American music (Valko 6/15).
- 9780 USSR R. Moscow; 0035 English news about the Soviet Union (Swanson 6/22).
- 9780 YEMEN ARAB REPUBLIC R. San'a; 1930 Arabic music, chanting and news (Lebryk 6/16).
- 9795 USSR Unidentified; 1605 Talk in Russian by man & woman w/Russian mx. R. Moscow IS at 1645. (Brookwell 6/11).
- 9850 EGYPT R. Cairo; 2315\* Arabic news, chanting & talk (Prath 6/10, Alexander 6/29).
- 9945 CHINA R. Peking; \*1300 Interval Signal, ID by YL/OM into Language (Cambodian). No. EIR into alternate YL/OM talk (news?). Fair. Was not on the usually reported 9940 but 9945. (Hywarren 5/11).
- 9977 KOREA (NORTH) R. Pyongyang; 1620 English propaganda and Korean female vocal (Bryan 6/28).
- 11350 KOREA (NORTH) KCBS; 1100 Korean talking and music (Zilmer 6/23).
- 11445 CHINA R. Peking; 1915 Chinese music and talking (Kenyon 6/28).
- 11510 CHINA R. Peking; 0930 Interval Signal, Japanese s/on and news (Prath 6/11).
- 11535 KOREA (NORTH) R. Pyongyang; 1210-1250\* English political talk, ID, cmntry, etc. (Jordan 5/28).
- 11630 EGYPT R. Cairo; 2025 Arabic talking and music (Alexander 7/2).
- 11650 CHINA R. Peking; 0925 Chinese talk by YL (Prath). 1507 English ID and talk on the evils of Colonialism (Bryan 6/28).
- 11655 ISRAEL IBA; \*0500 English news (Lavin). 2214 French ID & News (Ethen).
- 11660 UNIDENTIFIED; 1455 Military march mx, YL talk in almost Arabic sounding lang, stringed mx for two minutes & off. In passing noted back at 1501. (Hywarren 6/3).
- 11678 PAKISTAN R. Pakistan; 2142 Pakistan mx. choral mx, talk by OM, etc. (Hywarren 6/10)
- 11700 DOMINICAN REP. R. Clarin; 2315 w/Rudy (Jordan 6/3). 0324 EG w/Rudy (Wheeler 6/2).
- 11700 USA V. of Voyager; \*0530 EG IS, We are Champions, ID's, oldies mx. Fair (Gavaras 7/23)

Until September, 73,

# log report *section*

## 11701 & ABOVE



DAVID WALCUTT

- 11705 FRANCE RFI; 0545 FR, piece of contemporary French mx with comment on the selection (Bryan 6/30). \*0500-0600\* here -ed.
- 11705 SWEDEN RS; 0230+ EG, SCDX, "Panorama", good (Reini 6/7, Woltman 6/14, Byron 6/19, Schweikart 7/8).
- 11710 NEW CALEDONIA R. Noumea; 0735-0800 FR, pop; exc. (G. Brown 7/3).
- 11715 SWITZERLAND SBC; 0145+ EG, "Dateline", //11780, 15305, 9725 (Reini 6/17, Schweikart 6/21); 0430 EG, "Dateline" (Grenier 6/20).
- 11715 VATICAN R. Vatican; 0520 w/IS, ID, Latin Mass; //11740 (Klein 6/9).
- 11720 USSR RM-Vinnitsa (Ukrainian SSR); 0140 EG, youth program; site per UHN via June LN-3 (Reini 6/17). 0548 EG, on population in Soviet cities & on house construction, is Asiatic SSR (Bryan 6/30).
- 11730 GREECE VOG; 0015-0030 EG, news about earthquake (Eastman 6/22); 0015 EG, much talk about their earthquake -- as can be expected (Schweikart 6/23); 0215 EG, only routine mention of quake in news-cast; was hoping to hear more detailed report (Albert 6/21).
- 11735 USSR RM; 1512 EG, Russian cosmonauts "from space" (Bryan 6/28).
- 11740 AUSTRALIA RA-Shepparton; 0800 EG, nx; no QRM (Albert 6/11).
- 11740 INDIA AIR; 2145 EG, mx, nx, ID; poor (Lebryk 6/14).
- 11740 MADAGASCAR RN; 1523\* EG to South & E. Asia (Bryan 6/28).
- 11745 TAIWAN VOFC; \*0858 CH, chime-like IS, ID, anthem; some Western classical music (Osterman 7/1).
- 11750 MALAYSIA BBC W.S.-Tebrau; 1531, Princess Caroline's marriage in Monaco and the celebrities invited (Bryan 6/28).
- 11750 UK BBC W.S.; 0502, world news, Carter & human rights (Bryan 6/22).
- 11755 SEYCHELLES FEBA; \*0310 FS w/IS, ID, mx (Alexander 7/3).
- 11760 CUBA R. Habana Cuba; 0220 EG, excellent, no QRM (T. Smith 7/4).
- 11765 CHILE VOC; 0138 EG, cmnt on Chilean trade with Brazilians & Russians who do not respect human rights (Bryan 6/22).
- 11765 PHILIPPINES FEBC; 0915 EG, "Back To The Bible" (Thibodeaux 6/14).
- 11780 SWITZERLAND SBC; 0143 w/IS, "Dateline"; signal makes it here but needs clear channel! (Reini 6/17); USB 0143 with IS, ID by W into usual pgm; too much QRM here as SBC is battling against Moscow, USA and Brasil (Hywarren 7/6). Oh, what's a 250kw. Brazilian...?
- 11800 FINLAND RF; 2300+ EG, architecture in Helsinki (Eastman 6/11).
- 11805 LIBERIA/USA VOA; 0745, two different programs, VOA newsfeed to Africa on one freq, AFRTS from another; both strong (Albert 6/12).
- 11810 INDIA AIR; 1400-1500 EG, pgm about elementary education; group discussions; Indian mx (Conover 6/18, Eastman 6/10).
- 11810 ITALY RAI; 0105 EG, nx, mx, freqs (Schweikart 6/21).
- 11810 USSR R. Minsk? 1615 RS, definite ID "Govorit Minsk", M&W discussion; but at 1630 an IS sounding like "Mayak" net (Novello-MD 6/23).
- \*11819 MOZAMBIQUE RM; 1300 PT, //3210, 6116 and 7238 all heard; but 11819 not a good signal, which is odd, as the others are (Willis-AUST nd).
- 11820 SEYCHELLES FEBA; \*0358 EG w/IS, ID "This is FEBA, Seychelles"; Fair/good w/religious pgm -- of course! (Klein 6/25).
- 11825 AUSTRALIA RA; 1501 EG, nx about chemical explosion here in Azusa (Grenier 6/24).
- 11825 PHILIPPINES R. Veritas; 1500-1530 Tamil, ex-11875 per my recommendation; ok level (Goonetilleke 6/21). Welcome to "D" Section!! -ed.
- 11825 SOCIETY IS. R. Tahiti; 0430-0808 TT/FR, island music & rock Saaf 7/5, Bryan 6/25, Dunlop 6/28, Ethen 6/11).
- 11830 LIBERIA ELWA; \*0630 unid lang, IS & multilingual IDs into rel pgm in African vernacular; poor with Moscow QRM (Klein 6/11).
- 11835 AUSTRALIA RA; 0758-1545 EG to Pac., S.As.; HCJB QRM (Albert-IL 6/11, Ethen-OR 6/11, Goonetilleke-SRI LANKA 6/11+, Bryan-CA 6/28).
- 11835 SRI LANKA SLBC; 1046 EG, nx about local matters, song: "Ramblin' Rose"; v. good (Osterman 6/16); 1120-1130 EG, Adrian Peterson's DX pgm, new members of Radio Monitors International (Fraser 6/19).
- 11850 PHILIPPINES FEBC-Manila; \*0759-0830 EG, "The Country Store"; strong signal, some UTE QRM on 11848 (Ponder 6/8). UTE probably an image-ed.

- 11850 USSR-Simferopol (Ukrainian SSR) "Mayak" Svc.; 2235 RS, ID, TC: "Moskovskovo Vremya..."; book review; audio quality much better than RM's; excellent (Novello 7/7). Site per UHN #13 -ed.
- 11865 ANTIGUA DW; \*2130 PT to Brazil; fair (Zilmer 7/2). Deutsche Welle's English Svc. for N.Am. has been on this freq with excellent signals every night since April, from 0230-0250, via MALTA, and it is surprising that it has not been reported in any bulletin. But their trouble is that they show too thin a time-freq "profile" -ed.
- 11880 SPAIN REE/SFR; \*0100-0330 EG, "Panorama" (5 reporters).
- 11885 URUGUAY SODRE; 2332 SP, "La Republica de Uruguay" nx about the international soccer games in Argentina (Conover 6/26); 0045-0057\* EG and SP from 0045; good (Berezowski 6/27).
- 11890 CHILE VOC; 0115 FR, nx & cmnt (Dumont-QUEBEC 6/14); 0143 EG, abt the government of Chile & heroes of independence (Dunlop 6/14).
- 11890 GERMANY E. RBI; \*0328-0400 EG, socialism discussed, "Newsreel of Socialist Countries" (Ponder 6/12, Schweikart 7/8, Jordan 5/27).
- 11900 NIGERIA (t) NBC-Lagos (t); 1142-1155 EG/unid. lang, pop mx & pgm schedule; TC "17 1/2 minutes to 2", EG talk; Afro chants & drums; covered by RSA in FR at 1155; poor (Osterman 6/15).
- 11905 GERMANY W. DW; 1930 EG to Africa, nx & cmnt; fair (Zilmer 7/4).
- 11910 HUNGARY RB; 0200 EG, nx & cmnty (Schweikart 6/21); 0201 EG w/ID, cmnt of Carter & Soviet relations (Bryan 6/22).
- 11920 PHILIPPINES FEBC; 1032 EG w/ID, then into JP pgm; p (Osterman 6/24).
- 11925 GREECE VOA-Kavala; 0358 EG, Yankee Doodle, ID, nx (Bryan 6/26).
- 11935 PORTUGAL RP; 0300 EG, nx, sked, tourist pgm, //6025 (Schweikart 5/23); 0501 EG, world nx & report from Portugal (Grenier 6/19); 0505 EG, news & music (Woltman 6/24); 0515-0530\* EG, ID then talk on emergence of Portugal as an independent nation (Dunlop 6/14).
- 11940 ROMANIA RB; 1950 EG to Europe w/favorite tunes; f (Zilmer 7/4); 2200 SP w/IS, s/on & nx in SP (Prath-FL 6/8); \*0400-0427\* EG, aired "Romanian History"; good with QRM (Ponder 6/12).
- 11940.2 SINGAPORE RS; 1530-1607 EG, TC, nx, DJ mx pgm; my 135th country (Conover 6/18); 1555-1602 WG w/ pop mx, W ancr, song "Honey" (Bryan 6/28); 0917-0920 EG, "All My Loving" song; v.poor (Osterman 7/1).
- 11953.2 CAMBODIA PPR; 1100-1500 causing bad QRM to both BBC & Veritas, ex-11943 since 5/27 (Goonetilleke nd). Still? -ed.
- 11965 LEBANON RL; 0200-0300 AR/EG, "Special Program" (6 reporters).
- 11995 USSR RM; 1220 RS, Home Service mx pgm (Prath 7/4).
- 12020 USSR R. Magallanes; \*0200 SP w/IS, ID, theme, frags, anti-fascist pgms to Chile; g (Novello 7/8). Look for Chile's jammers -ed.
- 12060 USSR R. Vilnius; 2300 EG, nx, cmnt, mx, sports; fair (Zilmer 6/24). R. Kiev; 0300-0310 SP/EG, switched lang middle of nx (Snaaf 6/27).
- \*12068 MONGOLIA RUB; \*1220-1250 EG, heard here w/sign-on with IS, then clear ID in EG with anthem following, then newscast in EG by M, many mentions of Mongolia and relations with the Soviet Union; then followed a commentary on social development in Mongolia; classical mx until 1250, ID, anmts, IS, anthem; fair (Kusalik 6/22).
- 12085 KUWAIT RK; \*1700-2000\* EG, usually DJ pgm; many requests & birthday, anniversary wishes (Schweikart nd, Raper 6/13).
- 15008.8 VIETNAM VOV; 2045 EG, nx, talk abt China, Vietnam; ID; first time I've heard them (Schweikart 7/7). Freq:DLW.
- 15070 UK BBC W.S.; 0535, sports nx; g (Klein 6/7); 2236 on Chinese in Africa (Bryan 6/18); 2030 American mx from the '20s (Lawrence 6/7); 1539, operatic mx, cmnty on East & West Africa (E.Hoffmann 6/25).
- 15084 IRAN NIRT; 1645-2247 FS w/Iranian instrumentals (8 reporters).
- 15105 ISRAEL IBA; \*0500-0515\* EG, news & weather (Lavin 6/19).
- 15105 JAPAN R. Japan; 1600-1615 EG, nx, cmnty about whaling industry (Calderwood 6/10); 2000 EG/JP, Asian nx & cmnty, great signal (Reini 6/8); 2058 EG w/IS, ID followed by nx; much QRM (Howarth 6/18); 0513 EG, "Current Topics" by M (Bryan 6/30).
- 15110 USSR RM; 0321 SP to S.Am., about communism in L.Am. (Brookwell 7/1).
- 15120 NIGERIA VON; 0615 EG, high life mx, nx, local TC; fair (G.Brown 7/7); 0706 EG, Nigerian mx (Grenier 6/24); 0800 EG, African drum and other mx, ID at 0805; fluttery (Ethen no date).
- 15120 POLAND PR; (time??) EG, on national fishing industry, recent instrumental arrangements (Whitaker-MA 6/28); 0300-0322 EG, on Polish conservation; also on 11815, 9525, 6135, 6095 (Leithner 6/8).
- 15130 NEW ZEALAND RNZ; \*0345-0522 EG, light mx pgm (6 reporters).
- 15135 BULGARIA R. Sofia; \*2130 EG, nx, cmnt, mx; WYFR QRM, fair (Zilmer 6/28); \*2130 EG, Bulgarian nx (Raper 6/19, Lavin 6/19).

- 15135 USSR RM; 1415 EG, political talks (Prath 6/11).
- 15140 CHILE VOC; 2235 SP, w/ID, local mx; //15150 (Alexander 7/2).
- 15165 DENMARK RD; \*1100 DN to Greenland, ID in EG and Danish, nx; good (Fraser 6/16); 1158 EG/DN, fqy, nx, 15165.2m (Hutchins 7/2); \*1620 EG/DN w/ID, Danish pgm (Schweikart 6/25); 1730 (Harrington-CO 6/25).
- 15170 SOCIETY IS. R. Tahiti; 0100-0544 FR/TT, local mx (5 reporters).
- 15175 CHILE VOC; 2337+ SP, FR, mx (Whitaker 6/20); 0010 EG w/ID, tlk about Chile's fight against the energy crisis (Alexander 6/29).
- 15175 MEXICO LV de Amer. Latina; 0134 SP w/ID, commercials, symphony mx, mentions of "Cadena de XEW"; fair (Jones-MS 6/25).
- 15175 NORWAY RN; 1629 EG, end of "Norway This Week", ID, freqs, address (Schweikart 6/25); 1830 EG, "NTW", troubled by het (Jones 6/25).
- 15180 USSR RM; 0528 EG to Asia, nx of USSR, mx (Bryan 6/30).
- 15185 USSR RSP&P; 1240 EG, cmntry on China's activities (Schweikart 6/25).
- 15190 CONGO RTV Congolaise; 2130 w/local mx; good (Klein 6/6).
- 15195 JAPAN R. Japan; 0810 EG, cmntry on OPEC oil price freeze; VOA very faintly heard beneath; excellent (Jones 6/22); 0900 EG (Prath 6/11).
- 15200 FINLAND RF; \*1430-1500\* EG w/IS, ID, lbx; best reception since old 15185 (Conover 6/25); 1445-1500 EG, Finnish mx, lbx (Hoffmann 6/25).
- 15200 FRANCE RFI; 1906-1909 FR, mx (Raper 6/18).
- 15205 GREECE VOA-Kavala; 1500 Urdu, 1530 HD; strange thing is 15210 also has VOA Hindi 1530-1600 from Philippines; PHIL is stronger and Kavala weaker; little splatter, though (Goonetilleke 6/22+).
- 15205 SWEDEN RS; 2300 EG, Swedish & Nordic news, SCDX (Klein 6/); 2300 EG, nx, "Panorama", SCDX, beautiful signal (Whitaker-SC 6/20); 2300-2330 EG, nx, lbx, cattle raising in Sweden (name? 7/2); 2320 EG, interview on the DX parliament held in Sweden (Fraser 6/15).
- 15210 FRANCE RFI; 2117 FR, sports play-by-play; good (Ethen 6/10).
- 15215 UK BBC W.S.; 1130-1200, sport & sports mx (Lavin 6/13).
- 15220 SOUTH AFRICA R. RSA; 0610 EG, "Good Morning Africa" (Schweikart).
- 15225 HUNGARY RB; 0145 HG, origin of nicknames, family names; quotation from Ferencz (Byron-NY 6/24); 0209 EG, on arms race (Grenier 7/2); 0212 EG, sports by M with Scottish accent (Lawrence 6/7).
- 15225 TUNISIA RTWT; 0555 Arabic, music & singing; good (Klein 6/25); 1534-1600 AR, flute mx, poor (Lebryk 6/16); 2155 AR, Middle East music, QRM de RAI, weak (Valko 6/12).
- 15230 AUSTRALIA VLH15 (ABC Radio); 0806 EG, pop mx, ID's, local TC's, ads for ABC TV pgms; 0815\* (Schweikart no date).
- 15240 YUGOSLAVIA RY; 1530 EG, mentioned Tito & Yugoslavia; barely audible Schweikart 6/25). ID heard? -ed.
- 15255 ROMANIA R. Bucharest; 2300 Romanian w/IS, IS, nx (Reini 6/19).
- 15260 ASCENSION IS. BBC W.S.; 2135, classical music (Bryan 6/21).
- 15260 AUSTRALIA RA; 0537 FR, pop mx in FR; //15320 (Bryan-CA 6/30).
- 15260 CANADA RCI; \*1800-1830\* EG, today "Mailbag" and "DX Digest" were on Saturday; Also on 17780 (Saaf 6/10); 1809 EG, "Bonsoir Africa" and "DX Digest" (Grenier 7/2); 1915 EG, "Press Rev." (Schweikart 7/7).
- 15260 PHILIPPINES R. Veritas-Asia; 0200-0230 Telagu, ex-15135 to avoid jammers; 100kw 287° (Goonetilleke 6/18+).
- 15265 FINLAND RF; 2300-2330 EG, news, review of foreign press (Leithner 6/15); 2303 EG, nx, lbx, VOA QRM 15270; best RF signal I've heard (Reini 6/17); \*2258 w/IS, ID in FN & EG, freqs; nx in detail; good to very good but het; //11800 (poor) (Hywarren 6/13).
- 15270 JAPAN RJ; 0030-0045\* EG, Japanese lang. lesson (Lebryk 6/16).
- 15295 USSR RSP&P; 1430 EG, news (Schweikart 6/22).
- 15300 FRANCE RFI; 1632-1655 EG w/ID in FR/EG; mx by Fats Waller (Dunlop 6/14); 1650-1655 EG, sports nx, report on Grand Prix; //21620, 21580, 17850, 17860, 17800, 17720, 15315, 15155, 11845 (Alexander 7/3).
- 15305 SWITZERLAND SBC; 0145 EG, "Dateline" (Swanson 6/22); 0200-0215 EG, on Swiss pharmaceutical industry; into 0215 SP (Klein 6/7); 0200 EG, Swissair buying new planes (Schweikart 7/8); 0203 EG, Sherlock Holmes and the Anglo-Swiss Treaty Conference (Howarth 6/18).
- 15315 FRANCE RFI; 0656 FR, a super night for France! V. good signals here; //11735 (?-ed), 15300, 15155, 17850, 17860 (Ethen 6/13).
- 15315 ITALY RAI; 0100 EG, W with nx; she sounded bored (Reini 6/25); 0100-0120 EG to N.A., mx selection following nx; //11810 (Fraser 6/24); 0100-0120 EG, xmsn excellent w/nx, mx (Lavin 6/11).
- 15320 AUSTRALIA RA; 0258-0302 EG, time sig, world nx (Raper 7/6); 0300-0310 EG, man reading nx, UN peace-keeping force in Lebanon (Dunlop 6/14); 0446 EG, pop mx, 12 min to 3 in afternoon TC (Bryan 6/22).
- 15325 SEYCHELLES FEBA; 1530-1630 EG, ex-9545, due to coordinated effort

- 15325 by monitors for FEBA in S.As. (Goonetilleke-SRI LANKA).  
UGANDA UBC; 1845 EG, test xmsn to USA beating RCI in FR1 (Saaf 7/3); 0300-0355 EG to N.Am., test tape (10 reporters); 0323 abrupt break in xmsn, back on at 0325 (C.Hoffman-PA 7/2); 0405 FR, abrupt s/off with Francois Hardy song, following words "I go it alone" ("... Oui, mais moi, je vais seul", OC and off), maybe implying the formula Quebec:Canada:Uganda:The World. I taped it (DLW 7/25).
- 15330 BULGARIA R. Sofia; \*0000-0055\* EG, "In and Around Sofia", "Topical Studio" on music teaching (Fraser 6/28); 0000 EG, nx (Prath 6/27); \*0000 EG to N.Am., nx, excellent (Klein 6/9). Some AFRTS QRM... -ed.
- 15334 COLOMBIA R.Nacional de Colombia; 0425-0438 SP, mx, TC, nx (Bere-zowski 6/27); 0430 SP, 3-chime IS, classical mx (Hutchins 6/11).
- 15345 INDIA AIR; \*1130 unid lang w/IS & ID in English, f (Klein 6/11).
- 15349.7 LUXEMBOURG RTL; 1850 FR, rock/pop mx, heard all day now; g (Saaf 7/3); 2136-2143 FR, pop mx in French; good (Raper 6/19).
- 15380 NEW ZEALAND RNZ; 0322 EG, sports pgm; good; //17710 (Howarth 6/22); 0333-0338 EG, TC, EZ mx "Estrellita" (Bryan 6/26).
- 15385 MEXICO R. Mexico; 2215-2240 SP, classical & folk mx (Leithner 6/30); 2350 SP, mx, ID, QRM from RAI (Lebryk 6/16).
- 15400 ASCENSION IS. BBC W.S.; 1500 TC, news (Bryan 5/28).
- 15402 BANGLADESH RB; 0500 (EG??-ed); heard fairly well (Willis-AUST nd).
- 15410 RWANDA DW-Kigali; \*2200-0000 GM to N.Am., IS, ID (Klein 6/21).
- 15415 NETH. ANTILLES TWR-Bonaire; \*2335 RS w/ID in EG (Conover 6/17).
- 15420 CYPRUS BBC W.S.-Limassol; 0530, historic mx pgm (Klein 6/25).
- 15425 AUSTRALIA ABC-Perth; 0530 EG, ABC nx, sports, pops; fair (Klein 6/25); 0557 EG, TC, "Love Letters in the Sand" song, nx (Bryan 6/25); 0820 EG, ball game (soccer?) (Schweikart 6/24).
- 15425 SRI LANKA SLBC; 0045-0125 EG, contemporary mx, lbx, John Denver mx (Alexander 6/28); 0100 unid lang (Lebryk 6/17). Are you sure about your time?? -ed. 0105 EG, rock mx (Beegees, Dr. Hook); many birth-day & anniversary wishes; local TC's (Schweikart-VA 7/8); 0115-0135 EG, pops, then "Back To The Bible", really cruddy reception (Klein 6/9); 0224-0230 EG, "Tuesday Morning Show" requests with male DJ (Osterman-Ont. 6/13).
- 15425 USSR-Petropavlovsk (Asian RSFSR) R. Kiev; \*0300 EG, f (Klein 6/11).
- 15440 NETH. ANTILLES TWR-Bonaire; \*2225 Pt w/IS, ID, nx; over WYFR's scripture reading; this intra-faith fight for 15440 happens nightly! (Novello-NY 7/5).
- 15440 USA WYFR; 1730 EG, "Bible Reading Fellowship" pgm (Schweikart 7/7).
- 15460 USSR RSP&P; 1430-1500 EG, cmntry on US and western interference in the Horn of Africa and in Zaire; good (Fraser 6/25).
- 15465 USSR RM; 0407 EG to Africa; good; //17880, 17825 (Saaf 6/15); 1430-1445 EG "RSP&P", round-up of events in the news (E.Hoffmann 6/17).
- 15475 EGYPT RC; 1640 AR, Arabic music (Prath 6/9).
- 15480 USSR RM; 1530 EG, nx & cmnt; poor; //15425 (fair) (Zilmer 7/1).
- 15485 ISRAEL IBA; 2238-2300\* EG, nx, editorials, "Voices From Israel"; excellent (Raper 6/14); 2240 EG, item on fighting insects in Lebanon by plane, Soviet Jews (Bryan-CA 6/22). I have been noticing that from time to time 15485 & 11655 have switching difficulties between and at the end of programs, putting on segments of other (domestic?) pgms when they mean to be concluding the broadcasts -ed.
- 15490 USSR RM; 1512 EG, nx; weak; //15135, 15150, 15425, 15465 (Raper 6/13).
- 15500 USSR RM; 2300 SP with IS, s/on with news (Prath 6/10).
- 15780 USSR RM via SSB feeder; 1310 RS, I didn't know they were on SSB now! 15780.5 (Verneti 6/20); 0431-0500 unid lang., nx, mx, positive RM IS at 0500; poor (Claud Ethen-OR 7/8).
- 17630 UNID 0457\* w/12 note flute IS; then \*0500 5 pip TC with 6th extended; said only 4 words until jammed; not Israel (Hywarren 5/20).
- 17665 PAKISTAN RP; \*1100-1115\* EG, news items read in slow EG by M; //15115 barely audible (Fraser 6/6).
- 17680 CHINA RP; 0000 EG, nx & cmnt; fair (Zilmer 6/16); 0250 EG, piano concert, freqs, brief piano mx & off. No Internationale. I've noticed lately that Peking has stopped playing the Int; could it be because the Int has a few bars of the Soviet anthem in it?? (Hywarren 6/18).
- 17700 HOLLAND RN; 1830 EG, nx, "His And Hers"; poor (Zilmer 7/4).
- 17710 ISRAEL IBA; 2230 EG, nx, cmnt, and report on VP Mondale's visit to Israel; fair (Zilmer 7/2).
- 17710 NEW ZEALAND RNZ; 0015 EG, stock exchange & sports (Calderwood 6/12);

- 0230, live bc of a soccer game (G. Brown 6/24); 0305 w/ID, nx, wx (Klein 6/26); 0355, mx, ID, and short weather report; discussion of New Zealand mx (Earnhart 7/4); 17710, semi-classical music into 6 minutes of news and weather, //15130 (Brookwell 6/13).
- 17715 HUNGARY R. Budapest; 1030 EG to Aust. & NZ (Zilmer 6/20).
- 17720 FRANCE RFI; 1852-1900 FR. cntry, nx (Leithner 6/17).
- 17720 TAIWAN VOF; 2152 EG w/Chinese mx, nx about S.Afr. (Bryan 6/22); 0521 Hakka to S.E.As., opera, USSR QRM (Brookwell 6/13).
- 17720 USSR-Khabarovsk (Asian RSPSR); 0600 R. Moscow IS, into Russian; over Taiwan (Brookwell 6/13). Site per W.F. Davis, June LN-13 -ed.
- 17725 AUSTRALIA RA; 0745 EG, lbx, club info (Prath 6/11).
- 17730NF AUSTRALIA RA; 0240 EG, off normal 17725 today, tho still announcing 17725 (Earnhart 7/3); 0330 EG, nx, pop mx, W ancr (Alexander 7/3).
- 17735 CHINA RP; 0420 EG, on China's telecommunications (Bryan 6/22).
- 17740 UNID 0700 RS?; unfamiliar IS; not heard since (Brookwell 6/16).
- 17740 BELGIUM BRP; 1621 EG, nx, economic cntry (Leithner 6/16).
- 17740 PHILIPPINES VOA; 2200 EG, nx, after s/off of Greenville (Brookwell 6/14); 0100-0330 EG, ex-17750 on my recommendation due to RFE jammers at 0300 (Goonetilleke nd).
- 17740 SWITZERLAND SBC; USB 1310 with IS, ID, into "Dateline"; all in USB; QRM and QSB; //15140 also noted in ssb (Hywarren 8/16); 1323 EG, USB xmsn, "Swiss Shortwave Merry-Go-Round" (Fowler 6/10).
- 17750 USA/PHILIPPINES VOA; 2210 Dixon & Tinang share same fqy, Dixon in CH & Philippines in EG (Brookwell 6/14).
- 17755 ECUADOR HCJB; 2000 EG, DPL, new fqy; fair (Klein 6/22).
- 17755 USSR RM; 1645 EG to Afr., cntry on S.Afr. (Saaf 7/1).
- 17765 USSR "Mayak" relay; 0700-0800 RS; site? (Brookwell 6/29).
- 17790 CHILE VOC; 2220-2310 GM/IT/SP; //17780 until 2300 (Brookwell 6/22).
- 17795 AUSTRALIA RA; \*0100-0425 EG, usual pgm (5 reporters).
- 17795 CHINA RP; 0830 w/IS & anmts in IN; nx; fair (Ethen 6/13).
- 17800 CHILE VOC; 0100\* SP, chimes & s/off (Klein 6/24).
- 17815 BRAZIL R. Cult. de São Paulo; 0043-0104 PT, English lesson in the BEC style before 0100; some EG pop songs; g (Osterman 6/29).
- 17815 ISRAEL IBA; \*2100 w/IS noted beneath co-channel RCI (Klein 6/22).
- 17815 USSR RM; 0830 EG, telk mx; to S.E.As. (Prath 6/25); 1210 EG, "RSP&P" pgm on imperialist QRM in Africa (Schweikart 6/24).
- 17820 USSR RM; 1340 EG to Africa, nx (Prath 6/6).
- 17825 JAPAN RJ; 0000 EG, 0146 EG, 0201 EG (Fraser 6/22, Howarth 6/19, Novello 6/15); 0700-0800 GM/FR/EG; fair (Brookwell 6/18).
- 17825 VATICAN VR; 1515-1530 EG, religious news; poor (Zilmer 7/1).
- 17830 GREECE VOG; 1225 EG, nx, QRM from VOA (Schweikart 6/24).
- 17830 PAKISTAN RP; 0340 EG, news read slowly (Schweikart 6/19).
- 17830 SWITZERLAND SBC; 1820 EG to Africa, re-timed xmsn (Saaf 6/21).
- 17840 ASCENSION IS. BHC "A.S."; 1839, World Cup soccer (Grenier 6/25); 2000-2130, pgm of rock mx after the news; v. good (Klein 6/22).
- 17840 CZECHOSLOVAKIA RP; 1730-1800 EG, pop mx, ID's (Eastman 6/14); 2130 SP, s/on with news (Prath 6/6).
- 17845 PAKISTAN RP; \*0156-0245 IN/EG, nx, features (Alexander 6/30, Klein 6/30, Byron 6/18); 0245 close of news in EG followed by ID in Urdu, NA, and s/off; good (Whitaker-MA 6/26).
- 17855 GUAM KTWR; 0025 EG, rel pgm; poor (Schweikart 6/23).
- 17875 GERMANY W. DW; 0610 EG to Africa (Saaf 6/23); 1045 EG (Zilmer 6/19).
- 21480 ECUADOR HCJB; 2000 EG, "On the Move" rel pgm; fair (Zilmer 7/2).
- 21495 FINLAND RF; 0800 FN to F.E., Aust.; Sundays EG (Goonetilleke 6/3+).
- 21525 AUSTRALIA RA-Shep.; \*0357-0630\* EG/FR to Africa (Kutach 6/10).
- 21580 FRANCE RFI; 1600-1634 FR/EG, "PCA" (Kutach 6/10).
- 21590 USA VOA; 1630 EG, Woody Herman concert; unlisted fqy (Zilmer 6/17).
- 21680 AUSTRALIA RA; \*2357-0512\* EG to As., usual (8 reporters).
- 21690 SWEDEN RS; \*1230 EG to Afr., but received great here! (Saaf 6/16).
- 21720 SPAIN/PORTUGAL/FRG?? RFE; 1400 Slovak (Prath 6/9); 1815 Czech, news, poor; jammed somewhat (Saaf 6/13).
- 21730 PAKISTAN RP; \*0200-0245\* EG, sub-cont mx, nx -- ID in EG but sked pgm IN (Osterman 6/17, Kenyon 6/30).
- 25920 UNID 1100-1550\* Arabic; weak and deep fades; can anyone ID this? Rabat? (Goonetilleke no date!).

The number of reports received was a bit down this month, and I think this indicates some people sent them to Minnesota instead of to me here in TX. I understand that Robert Brown of Youngstown, OH has been selected by HQ to take over this column in October. I will continue doing the Credits page. Hope the mail gets through meanwhile! 73 until next month, Dave

# FRENDX CREDITS

Deadline: 12th of the month.

SEND REPORTS TO THIS ADDRESS:

David L. Walcutt, 2828 Rogerdale #108, Houston, TX 77042

Here are this month's reporters, plus 95% of those who reported last month:

David R. ALBERT (Wheeling, IL... SPR-4); Brian ALEXANDER (Mechanicsburg, PA... RF-2800/DX-160); Sam BARTO (Watertown, CT...); Robert BEREZOWSKI (Calgary, Alberta... DX-160/Patrolman-9); Gerry BISHOP (Christiana, PA... RF-2800); Larry BROOKWELL (1825 Cypress St., San Diego, CA 92154... SPR-4/RF-8880), and Larry is organizing the San Diego DX'ers Club.  
Greg BROWN (Lansing, MI...); Josephine I. BRYAN (Stockton, CA... FRG-7); Leslie BYRON (Laurelton, NY... Patrolman-9); Michael J. CALDERWOOD (Denver, CA... FRG-7/DX-40); Jack CONOVER (Lenexa, KS... SPR-4); James L. DAVIS III (New Orleans, LA... DR-33); Charles DUMONT (Hull, Que.); James DUNLOP (Slinger, WI... RF-2200); Kenneth A. EARHART (Allentown, PA... FRG-7); Gene EASTMAN (Huntsville, TX... FRG-7/RF-2200); Claud J. ETHEN (Eugene, OR... FRG-7), who says his brother is also a NASWA member & has the same initials & also uses an FRG-7.  
Gary FOWLER (Islington, Ontario...); Robert L. FOXWORTH (New York City... HQ-150/SB-620 with two longwires); Robert FRASER (Cohasset, MA... XCR-30); Charles GEORGE (Dallas, TX...); G. Victor A. GOONETILLEKE (Dehiwala, Sri Lanka... Collins 5LJ-4 with 18' vertical & a longwire).  
Pete GRENIER (Azusa, CA... FRG-7); Rob HARRINGTON (Englewood, CO... SW4-A with 70' inverted "L"); Harry L. HARTSELL (Lompoc, CA... FRG-7); Glenn HAUSER (Knoxville, TN... FRG-7/HQ-160 with random wire); Charley HOFFMAN (Manheim, PA... FRG-7/DX-160); Emmett J. HOFFMANN (St. Louis, MO...); Jack HOWARTH (Pricedale, PA... DX-160); Charles P. HUTCHINS (Rumford Point, ME... NC-183); Aaron HYWARREN (Winnipeg, Manitoba... ICF-5900W/Marconi AR2A); Jack R. JONES (Jackson, MS); Rufus JORDAN (Pittsburg, PA... Zenith Transoceanic); Don KENYON (Butler, PA... FRG-7); S. David "Stu" KLEIN (Gainesville, FL & Brooklyn, NY... DX-160); Terry L. KRUEGER (Casselberry, FL... QR-666); Edward KUSALIK (Chatham, Ont...); Tim KUTACH (Austin, TX...); Dave G. LAWRENCE (Goose Bay, Labrador); Robert LAVIN (Norristown, PA... FRG-7/RF-5000); Thomas LEBRYK (Irvington, NJ... DX-160); Chris LEITHNER (Brentwood, TN... RF-2200); Chris LOBBELL (Stoneham, MA... FRG-7/HQ-180AX); Lawrence LORZ (Hilton, NY); Mark LUKOSAVICH (Cuyahoga Falls, OH...); Donald M. MCCANTS (Trussville, AL... RF-2800/DX-160); Don MACKAY (Newark, DE... SPR-4); Mark MOHRMANN (Syracuse, NY... HQ-180A/DX-160); Jay NOVELLO (Endwell, NY... RF-2800/XCR-30); John C. ONKEN (Roanoke, IL...); Sydney J. OSTERMAN (Toronto, Ont... FRG-7/SPR-4 with 50' random wire); Tom OVERCAMP (Seneca, SC... SP-600); Nick PAPPAS (Levittown, PA... SPR-4); Steven H. PONDER (Forth Worth, TX... Heathkit GC-1A); George POPPIN (San Francisco, CA...); John V. PRATH (Ft. Lauderdale, FL... FRG-7/DX-160).  
Ben RADCLIFFE (Ottawa, IL...); Steve RAUER (Cedartown, GA... RF-2800); RAFFLE (IL...); Roger REINI (League City, TX... Zenith Royal 3000-1); Lenny SAAF (Godfrey, IL... ICF-5900W); Michael SALAY (Cincinnati, OH... FRG-7); Brett D. SAYLOR (Altoona, PA... DX-160); David SCHWEIKART (Fairfax, VA... Drake 2C with longwire); Todd SMITH (Wilton, CT...); Richard SWANSON (Wellman, IO... DX-160); Leon TANNENWALD (Brooklyn, NY... SPR-4); THIBODEAUX (Baton Rouge, LA...); Jim UERLINGS (Klamath Falls, OR... SX-130); Dave VALKO (Dunlo, PA... DX-160); Frank WHEELER (Andover, KS... DX-160); Elisabeth WHITAKER (Knoxville, TN... RF-2800); L.J. WILLEVER (Indianapolis, IN... GR-78); Mike WILLIS (Nedlands, Western Australia...); Doug WIRSZ (Surrey, B.C... FRG-7); Frank WOLTMAN (Cambridge, WI... DX-160/FRG-7); R. YOUNG (Dorchester, MA... RF-2800); Robert R. ZILMER (Milwaukee, WI... R-390A/SPR-4).

Thanks to all reporters! Apologies to any who reported last month and were inadvertently left off the list. DEADLINE WILL REMAIN THE 12th of EACH MONTH! If anybody would like me to include their full address, on a space-available basis, in future credits, page indicate this on your next batch of reports. Please do cut your reports up into individual items! Even better, separate and clip together the reports for each frequency range.



# A FRENDX classic



Here again is an article by Al Sizer, the DXer's Mark Twain. This one first appeared in the August 1974 FRENDX and it's called....

## SUBTERRANEAN DX AND THE CEREBRAL FILTER

One morning last winter I was DXing the 49 meter band when I settled on 5965 kHz. A Brazilian, Radio Guaiba, dominated the channel, but underneath it I could plainly hear a Spanish speaker. The Portuguese announcer paused momentarily at 0957 GMT and like magic the Spanish words became audible long enough for a clear ID... "Radio Nacional de Huanuni." I had logged a rare Bolivian!

That logging was pure luck. I have heard dozens of stations "under" stronger ones, and never have been able to identify them in the past. But, once in awhile, fortune smiles.

I guess there is no more difficult aspect of DXing than trying to log a station that is under another. You see loggings like this occasionally in FRENDX and other DX bulletins, but not too often. Usually they are made by DXers with some experience and a lot of patience.

In fact, patience is all you have to fall back on after you have exhausted the usual mechanical techniques -- notch filter, USB, LSB, etc., and have established that nothing you can do technically is going to separate the QRMing stations. I mean REAL patience. The kind that involves not only staying on the frequency as long as the stations are audible, but returning on another day, and maybe many following days as well, just waiting for the miracle.

The miracle may just be a change in scheduling... the dominant station no longer on at that time. Or maybe an act of God may occur ... power outs, revolution, who knows what. Perhaps unusual propagation conditions will favor the underdog station and put it on top some day.

But more often it is patience which must be relied on. If you listen long enough then maybe some day you will have that lucky occurrence that happened to me with Bolivia - one station will be silent just seconds long enough for the other to identify itself.

It is more difficult to ID a station underneath than to compile a reception report on it. Usually, if you listen long enough, you can follow the format easily...news, music, etc. to complete a report. I did this earlier last winter when Radio Nepal could be heard underneath WWV's time ticks and voice announcements. Ironically, after I had received my QSL by hard work, Nepal moved to an unobstructed 3425 kHz and became a relatively easy catch.

"Subterranean DX", as I like to call it, has inspired a wild theory at our shack that I almost hesitate to broach lest my contemporary DXers figure I have finally come unwired. I call my theory the use of the "Cerebral Filter". From time to time I have read about--and seen--experiments where people with the use of mind control have been able to do unusual things, even manipulate physical objects and influence course of action. This set me thinking. An experience with the OL clinched it one day.

"Did you get the bread?", she asked. "What bread?", I answered. She continued, "I plainly told you. You only hear what you want to hear!"

And with that it yelled, "By George! I think you've got it!"

Why wouldn't it be possible for the human mind to reject what it did not want to hear, and hear only what it wanted to? Why couldn't the brain act as a cerebral filter in DXing? By concentrating on the target, an effort of will should shut out the QRM.

Since that day I have made a conscious mental effort when listening to more than one station to try to shut out the unwanted source and understand only the wanted one. I try to establish the tone of voice or the language that is desired and hear only that, shutting out the undesired, no matter how strong in volume. On the whole I can't say I've succeeded. There have been moments when I felt I was getting the hang of it for a little while and then--the unwanted signal becomes dominant in my mind again.

(Continued on the next page)

Perhaps I just need more practice. Perhaps I just don't have the mind for it. But I'm not prepared to say at this time that the cerebral filter cannot be sharpened and honed to become an effective DX listening aid. There are more than one or two of our hobby's top, experienced hands who have conceded that my premise just may have something of worthwhile substance to it. What do you think?

\*\*\*\*\*

GONE BUT NOT FORGOTTEN DEPT.

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*Fiji Broadcasting Commission*

"RADIO FIJI"

GLADSTONE ROAD, SUVA, P.O. BOX 134.

10th March, 1970

Mr Edward C. Shaw,  
6350 Blanchard Road,  
La Mesa,  
California 92041,  
U. S. A.

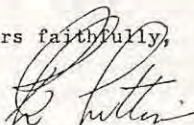
Dear Mr Shaw,

Thank you for your letter dated 18th February, 1970 and tape recording of our transmission on 7195 Kc/s. I am pleased to confirm that this recording was of Radio Fiji.

The transmission which was of only 500 watts was on test as this frequency is only used for a supplementary program we relay to our local listeners on Sunday morning. I am pleased you heard it but doubt whether you will hear this particular transmission at that time again.

We have recorded a verbal acknowledgement on your tape and our official QSL card is enclosed. With best wishes for your DXing.

Yours faithfully,



(P. L. Littin)  
ENGINEER

HELPING HAND: For sale. Heathkit SW-717, brand new, fully assembled by an electronic shop. Best offer, must sell. Contact: Ben Radcliff, 740 Tomahawk Drive, Ottawa, IL 61350 or call (815) 434-4383.

HELPING HAND: Wanted. Would like to buy used Preselector for use with an RF-2200. Contact: Ben Radcliff, 740 Tomahawk Drive, Ottawa, IL 61350 or call (815) 434-4383

HELPING HAND: For sale. Collins 51S-1 general coverage receiver. Factory checked and aligned by Collins Jan. 78 with full compliment of 17 new tubes. Clean and in excellent condition. Manual included. Price \$650.00. Emmett J. Hoffmann, 1162 Watts, St. Louis, MO 63130 or call (not collect) 314-725-8061.

HELPING HAND: For sale. FRG-7 with Gilfer filter modification and matching earphones. One year old and in excellent condition. Price \$185.00 plus shipping. Contact Ira Teitelbaum, 46 Briscoe Terrace, Hazlet, NJ 07730.



# PUBLISHER'S PAGE



## A NOTE OF EXPLANATION TO THE 12 CANADIAN MEMBERS WHO RECEIVED THEIR COPIES OF FRENDX TAPED SHUT....

It was not my idea. On July 6 I received a phone call from the Levittown Post Office informing me that 12 copies of FRENDX had been returned by the Canadian Postal Service with this notation: "RETURN TO SENDER CANADIAN MAIL MUST BE COMPLETELY SEALED AROUND ALL FOUR SIDES". Since this had never happened before, my first impulse was to send the copies back the same way but the Postmaster in Levittown didn't care for the idea even though I pointed out that 12 copies were only a small part of the total we send to Canada. Realizing that further discussion would only cause greater delay in delivery, I taped the copies shut on the three open sides and remailed them. I'm sorry for any inconvenience. We'll try again next month. I've written to Ottawa asking for information on this but no answer so far.

A sidelight on this....There were actually 13 copies returned from Canada; the other copy was addressed to Ken Sears, VAFB, Longoc, CA 93437. Is it humanly possible that some one in the U.S. Post Office thinks that the abbreviation "CA" stands for "Canada"?

## CONNECTICUT DXERS OUTING IN SEPTEMBER

Have you made plans to attend the New England Area DXers Outing on Sept. 10 at Black Rock State Park? I hope to see you there; it's a great way to make new friends and the exchange of ideas and information that takes place at these get-togethers is invaluable to the hobby. I expect to arrive in Watertown on Saturday afternoon to get an early start collecting your suggestions and opinions for FRENDX. For information contact Sam Barto, NASWA QSL Editor, 245 Cherry Avenue, J-11, Watertown, CT 06795.

## 0430 GMT, July 23, 1978....

On the hottest, most humid evening in my shack so far this year, Radio Tahiti caused the temperature to drop about 10° by playing the French Christmas Carol "Cantique de Noel" (Silent Night). Power of suggestion?!

(FRENDX is looking for small items like the above for filler. If you've heard anything off-beat, write it down and send it to the publisher. You don't have to type. Any kind of oddity is acceptable; language, programming, etc.)

**HELPING HAND:** For sale. Drake SPR-4 receiver with matching speaker, built in xtal calibrator and complete set of xtals for SW bands. Four years old but in excellent condition. Will pay UPS charges, first bank check for \$285.00 takes it. J. Hoyt, RFD #1, Route 207, N. Franklin, CT 06254.

**HELPING HAND:** For sale. Sony ICF-5900W receiver in excellent condition. Pcpstpaid \$80.00. David Potter, P.O. Box 2698, Key West, FL 33040.

**HELPING HAND:** For sale. Hammerlund SP-600 w/MFJ crystal calibrator and pine cabinet. Very good to excellent condition, recently aligned and tubes checked. \$400.00 or best offer. I will arrange shipping. Call between 1200 to 2100 GMT at (617) 222-2800 Ext. 397 or from 2200 to 0600 GMT at (617) 784-5758. Ask for John. John J. Moroney, Jr. 339 South Main Street, Sharon, MA 02067.

**HELPING HAND:** For sale. DX-160 2½ years old w/tape jack, 1½ year old Telex C-1210 phones, 4 month old 100 kHz calibrator w/LED. Patch cord, batteries and manual included. \$110.00 or best offer. I pay shipping. Write to: Tom Lebryk, 13 Becker Terrace, Irvington, NJ 07111.

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UPDATE: Besides FRENEX, NASWA also publishes UPDATE... a midmonth newsletter with the very latest DX news while it's still news. (UPDATE also appears in each issue of FRENEX). It is only available to NASWA members.

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