

# FRENDX



Happy Holidays



Welcome to 49 new members joining in time to receive the November FRENCH. We hope they find their new membership to be helpful.

- |  |                                       |
|--|---------------------------------------|
| BAUERHUBER, Raymond J., Rosedale, NY       | McGEE, John L., Rome, NY              |
| BRADLEY, Ricky, Spring Lake, NJ            | McPHEETERS, Don, Creve Coeur, IL      |
| BREEDEN, Greg, French Lick, IN             | MAGARY, Richard, San Francisco, CA    |
| BUNCE, William, Browns Mills, NJ **        | MELLO, John C., FPO, New York         |
| CHINAKOS, Michael, Camas, WA               | MORELAND, John, Wickenburg, AZ        |
| CLINE, Dr. Thayer W., San Bernardino, CA   | NOBLES, Chuck, Evanston, IL           |
| DAMMEYER, Bill, Soldotna, Alaska           | NUGENT, James, Roanoke, VA            |
| DAVIS, Joseph E., Orlando, FL              | OSTERMAN, Frederick J., Pataskala, OH |
| PACKLER, Ms. Sandy, Washington C.H., OH    | PAULY, John P., Dubuque, IA           |
| FERGUSON, Terry, Gravenhurst, Ont.         | PRESTON, Jeff, Boca Raton, FL **      |
| GARMS, James J., Sun City, AZ              | RAGUCCI, Mel, Merritt Island, FL      |
| GLIKSMAN, Sholom, Chicago, IL              | ROSS, J. Malcolm, Wilkes Barre, PA    |
| HEAPLEY, Jack, Grosse Pointe Farms, MI     | SAILOR, Willard Jon, Elkhart, IN      |
| HINRICHS, Arthur A., Thief River Falls, MN | SHEPPARD, John, San Diego, CA **      |
| HUBBARD, W.N.III, Corte Madera, CA         | SMITH, Jeffrey H., Sydney, N.S.       |
| JOLLEY, Jim, Summersville, MO              | TAYLOR, Dale, Fernie B.C.             |
| JONES, P., Dearborn, MI **                 | TAYLOR, Mrs. W.J., Jr., Mullins, SC   |
| KAPLAN, John C., Rochester, MN             | TSCHOPP, L. D., Houston, TX           |
| KEMPF, John, Fort Francis, Ont.            | VILLONE, Kenneth J., Rochester, NY    |
| KISSANE, William J., Chula Vista, CA       | WALSH, Tom, Chelmsford, MA            |
| KOELBLE, Mick, Canton, OH                  | WILDEISEN, Joseph W., St. Louis, MO   |
| KUMMER, John F., Durham, NC                | WURTZEL, Bill, New York, NY           |
| LENT, Leonard M., Plainville, CT           | ZUMSTEIN, Bill, Evanston, IL          |
| LICATE, Jack A., Detroit, MI               |                                       |
| LINK, George W., Jr., Highland, CA         |                                       |
| LINZMAYER, Webb, Morris Plains, NJ         |                                       |

\*\* Glad to have you back after a short absence.

DX LIMERICKS

Apparently, this month's contributors wish to remain anonymous, but we note the postmarks as Jackson, MS, Carbondale, IL, Liberty, IN.

An eccentric DXer named Slaughter,  
Whose receiver was powered by water,  
Was never rejected,  
(as might be expected),  
When his light bill was only a quarter.

A greenhorn I knew, a young Mr.,  
Once discovered a burnt out resistor,  
Into wires he did dig,  
Sans unplugging his rig,  
His body is now one big blister.

A wierd DXer named Montrose,  
Dialed his receiver with his toes,  
He thought this quite unique,  
And fell in love with his feet,  
So he christened them Myrtle and Rose.



# NASWA

A REPORT F  
HEADQUARTE

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353  
DECEMBER, 1978

RADIO RSA TO CUT BACK ENGLISH LANGUAGE DX PROGRAMS: Word just received from Gerry E. Wood says that the management of Radio RSA decided to cut back on time given to English language DX programs and that he was informed his contract with Radio RSA as DX Editor would not be renewed. Because his last program had been taped before he was aware of this development, he has ask us to convey the following message.

"I wish to gratefully thank the many listeners who over the past five years have supported me and Dx Corner. I especially place on record my sincere gratitude to the many friends I have made with regular correspondents to Dx Corner. The gifts, cards, and personal greetings to myself and my family will always be remembered. The co-operation received from your organization and your members has been extremely rewarding. Those friends who would like to continue correspondence can reach me at P.O. Box 24, Plumstead 7800, Rep. of South Africa. Cheerio and good luck to you all."

We at NASWA thank Gerry E. Wood for his past support of NASWA, and we certainly wish him well in his future pursuits.

NASWA RADIO COUNTRY LIST CORRECTIONS: As hard as we try to get things 100% correct, it seems this is not always the case. NASWA's Country List Chairman, Don Jensen reports there were three omissions in the recently completed country list pamphlet.

Add the following to the ASIA check-off list starting on page 6.

CHINA (Taiwan)  
KASHMIR (Azad Kashmir)

Also, add the following to the OCEANIA check-off list on page 8

NEW GUINEA TERRITORY (Papua New Guinea)

Needless to say, we regret these omissions and will make sure they are incorporated in future printings. We still have plenty of copies of this country list....just send .28¢ in U.S. coins or stamps for a copy.

ONE YEAR LATER: The Australian Radio DX Club's bulletin for November reminds us that it has been a year since Radio Australia discontinued the popular "DXers Calling" program. They say now would be an ideal time for listeners all over the world to again voice objection to it having been taken off the air by writing to the Director, Radio Australia, Box 428G, GPO, Melbourne, Victoria 3001, Australia. Or better yet, write the letter to RA, but send it to Australia Radio DX Club, P.O. Box 227, Box Hill, Victoria 3128, Australia. They say they will deliver the hundreds of letters in person.

FINE ARTS RADIO: As reported in Listeners Notebook, November FRENDEX, a project is underway to establish a Fine Arts SW radio station here in the U.S. and that a 13 week experiment was to begin November 3, 1978 with transmissions over the facilities of station WINB, Red Lion, PA. One of the persons involved in this project called HQ on the eve of the first transmission to say the first program would not be aired due to accidental damage to one of the WINB antennas. We have not heard if the experimental programs have resumed, but we think this is a worthwhile project and hope it succeeds.

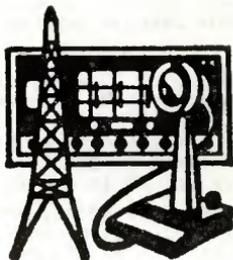
A PERSONAL COMMENT: It's hard to realize that this is the last issue of FRENDEX for 1978. I would like to extend personal thanks to all who have supported NASWA during 1978 with their contributions and their confidence in NASWA by their renewals of membership as well as notes of appreciation for what we are trying to do. A very special thanks to all the people listed on the back cover, plus Jon Cohen and Nick Pappas who represent an excellent and dependable staff who make it all possible. Finally, the best of season's greetings to the membership and their families.



M. R. Leonhardt

P.S. A milestone of sorts was passed with the November FRENDEX. Just over 1,700 copies were mailed. We note 1,560 copies of the November, 1977 were mailed as a comparison.

# Shortwave— Center—



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

DECEMBER 1978

With this issue we close out another year of FRENEX. We hope that our efforts have provided you with worthwhile information on the hobby of shortwave broadcast radio. We thank all those who contributed during the past year and look forward to another fruitful year in 1979. Please send your articles on any subject relating to shortwave broadcast radio. Both long and short articles are needed. This is your chance to be an author. Without your contribution there will be no SWC and no FRENEX. Send your contribution today to your Shortwave Center editor.

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## SELECTIVITY

SELECTIVITY AND THE NEW BREED OF RECEIVER

by Jerry A. Lineback, St. Joseph, IL

### INTRODUCTION

Several new receivers have reached the market in the past couple of years. These include the FRG-7 and 7000, the Panasonic RF-2200, 2800, and 4800, the Radio Shack DX-300, several Sony portables, and others. These are all user convenience receivers with some form of direct frequency readout, the more expensive with LED display frequency counters. Almost without exception these are easy to use, reliable, sensitive radio receivers and ought to have been received by the DX community with open arms. Yet all have been condemned to a greater or lesser degree in the pages of FRENEX by experienced DXers. Other DXers find these receivers useable and have even praised some of them highly. Sorting personal preference and other factors out of the criticisms, they boil down to one fact, many experienced DXers find these receivers consistently lacking in one characteristic, selectivity.

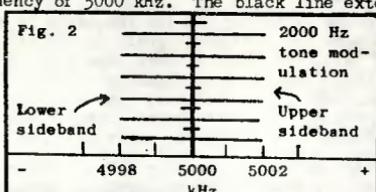
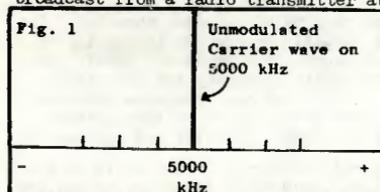
Several letters have been received lately regarding the question of selectivity in these receivers and questioning why some say they have inadequate selectivity. The general impression your editor gets is that many of our readers are confused about what selectivity specifications provided by receiver manufacturers mean. This lack of understanding has prompted your editor to take pen in hand and to try to clarify some points regarding receiver selectivity. This article owes a great deal to the article on selectivity prepared by Harry Helms that appeared in the August, September, and October, 1974, FRENEX, to discussions with several experienced DXers, and to personal experience. This article will deal exclusively with radio frequency (RF) selectivity in the pass band of the intermediate frequency (IF) stages of your radio receiver.

In the early days of radio, when transmitter powers were measured in watts, receiver manufacturers boasted of the sensitivity of their receivers. Since there were fewer stations, the main problem was hearing them, not separating them. Now the bands are fantastically crowded with highpower stations. All but the cheapest "picnic" portables sold today have more than adequate sensitivity. In case more sensitivity is needed, there are a variety of accessory preselectors and preamplifiers to juice up most any receiver. The problem then is one of separation of stations. If the VOA and BEC are operating 5 kHz apart, will your receiver provide a listenable signal when tuned to one or the other, or can you hear both stations superimposed regardless of where you tune? Since strong stations typically operate 5 kHz apart on today's shortwave bands, the receiver must be able to separate them or it is totally useless for even the casual listener. Most of the above listed receivers will do a creditable job of separating such stations, at least in their narrowest selectivity mode. However, the DXer may, for example, at times wish to listen to a 10 kW Colombian regional station operating on the 49 metre band 5 kHz down from DW-Antigua. Here we have a test to separate the selective receivers from the rest. Or, as another example, you may wish to separate the Guatemalan on 4835 from Costa Rica on 4832, or other stations separated by as little as 1 kHz. A selective receiver can do it, but the receivers listed here are unfortunately generally inadequate to the task. Why? The ability to separate stations as described is a measure of the receiver's working selectivity. To understand selectivity we

must understand the nature of the signal being transmitted by the station and how receivers are tuned.

### THE BROADCAST SIGNAL

Figure 1 illustrates an unmodulated carrier, such as a continuous wave (CW) signal being broadcast from a radio transmitter at a frequency of 5000 kHz. The black line extending



upward represents this unmodulated carrier. Theoretically, this carrier has no bandwidth. It is on a specific frequency, in this case 5000 kHz, and no other. If you turn the tuning mechanism of your receiver back and forth across such an open (unmodulated) carrier, you can detect its presence by noting that the signal will depress background noise and you may be able to detect unfiltered AC power hum getting into the signal at the transmitter. By injecting a signal into your receiver using the BFO, you will detect a heterodyne between the BFO and the carrier. This heterodyne decreases toward the carrier frequency and the receiver can be zero beat (heterodyne reduced to inaudibility) when the receiver is tuned to the exact carrier frequency. This principle can be used to measure frequency and to calibrate dials, but our interest here is that during these operations the carrier will seem to have a bandwidth, however narrow. In good quality receivers, this apparent bandwidth of an unmodulated carrier will be in the vicinity of 100 Hz. In practice though, we can consider this to be a zero bandwidth.

What happens when the carrier frequency is modulated by an audio frequency signal such as the human voice, music, or, for example, a 2000 Hz audio tone. Under amplitude modulation (AM) broadcast, groups of frequencies called sidebands are set up on either side of the carrier frequency. In figure 2 (above) we have a 5000 kHz signal and, let us assume, we are modulating it with a steady 2000 Hz audio tone. Amplitude modulation sets up symmetrical sidebands above and below the carrier frequency, and each sideband occupies as much space as the audio tone frequency. Thus, our 2000 Hz audio tone will result in two sidebands, each 2000 Hz wide, for a total channel width of 4000 Hz or 4 kHz. In order for an AM receiver to receive our 2000 Hz audio tone without distortion and produce a corresponding 2000 Hz tone in its speaker, the bandwidth of the tuning device must be at least 4000 Hz (4 kHz) wide. The AM detector responds to the whole modulation envelope, therefore there is a limit to how "narrow" the bandwidth can be to receive an undistorted signal as well as to how "wide" it can be and still eliminate interference.

Speech can be reproduced with high intelligibility in a band of frequencies between about 100 and 3000 Hz. Thus, for natural sounding voice reproduction from an AM signal, the receiver must admit signals from +3 kHz to -3 kHz from the carrier frequency or 6 kHz, the chosen "minimum signal" (-6 dB) bandwidth of many popular receivers. The broadcast of music increases the bandwidth required and to get reproduction of up to 10,000 Hz audio tones, a total bandwidth of 20 kHz is needed. In actual practice, shortwave broadcast stations appear to limit their bandwidths (by filtering) to about  $\pm 5$  kHz or a total bandwidth of 10 kHz. Now, if the stations are 5 kHz apart, you can see that we have real problems of adjacent channel interference (also called overlap or slop) before we even try to limit the selectivity of the receiver.

It should now be obvious that single side band transmissions eliminate half of the crowding problem by creating only one sideband to the carrier. All of the intelligence in both sidebands can be carried in one alone since they are symmetrical. But we are going to talk only of AM double sideband reception in this article.

### RECEIVER SELECTIVITY

The tuning circuit of your receiver determines the total frequency width or bandwidth that will enter the detector and be reproduced in your speaker. All broadcast signals falling in that bandwidth will be heard and those beyond the limits of the receiver selectivity will not. Most of you are using either a single, double, or triple conversion superheterodyne receiver. Even the synthesized (Wadley Loop) receivers are the same kind of machine, they just use a different strategy in the tuning.

Let's take the simplest case, a single conversion machine like the DX-160. Our 5000 kHz signal with its attendant sidebands enters the receiver through the antenna. It is then amplified and injected into a mixer circuit along with a radio frequency signal generated by the local oscillator of the receiver (fig. 3). This local oscillator circuit is controlled

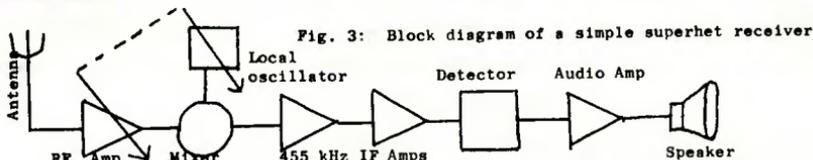


Fig. 3: Block diagram of a simple superhet receiver

by the tuning capacitor and its frequency is changed as you tune up and down the dial. In order to tune the 5000 kHz signal, the local oscillator actually produces a signal to the mixer of 5455 kHz. In the mixer, sum and difference frequencies are produced, namely 10455 and 455 kHz. The 455 kHz frequency is used as the intermediate frequency and our single (frequency) conversion is done. The 455 kHz frequency (still with the sidebands attached) is amplified and admitted to the detector circuit where the intelligence in the sidebands is transferred to an audio frequency and then sent on to the audio amplifier and speaker.

The intermediate frequency (IF) determines the natural, or circuit selectivity of the receiver. The selectivity is partially determined by the number of IF amplifier stages; the more there are the narrower a spectrum of frequencies admitted to the detector. It is also easier to get a narrow bandwidth when using a low IF (hence 455 kHz). The lower the IF the narrower the selectivity with the same number of IF amplification stages.

Selectivity can be enhanced by a variety of devices, most commonly by placing a filter in the IF circuit. These filters may be ceramic, crystal, or mechanical, but their purpose is to limit the range of frequencies passing through the IF stages to the detector. Filters also allow the possibility of changing the bandwidth to suit the needs of the listener. It is important to remember that filters are available that can limit the received frequency to any value, even down to 200 Hz, if needed. The selection of the filter to be used depends on several factors, including cost, discussed below.

THE EFFECT OF SIGNAL STRENGTH ON SELECTIVITY

Selectivity is the ability of a receiver to hear the station that you want and to reject unwanted stations on nearby frequencies. In the final analysis, what the receiver rejects is the determining factor in whether the set is useable for your needs. Probably the most misunderstood or unknown factor affecting receiver selectivity is the following: In most IF circuits, the ability to reject an unwanted adjacent station decreases with the increased signal strength of that station. It is also affected by the signal strength of the desired station. In other words, selectivity will depend on the ratio between the signal strength of the desired station and that of the undesired station.

Let us assume that we have two radio stations broadcasting on the same frequency. If they are received with the same signal strength, then they will be equally loud and the resultant mish-mash unintelligible. If on the other hand, one is somewhat stronger than the other, the stronger can be heard over the weaker with some degree of intelligibility. If one signal is much stronger than the other, it will be heard with near normal intelligibility with only minor interference from the cochannel station. No receiver can filter out stations on the same frequency, but the purpose of selectivity can be viewed as the ability to attenuate the strength of stations on adjacent channels so that the desired signal remains dominant.

The ability to reject adjacent channel signals depends upon the skirt selectivity of the receiver or its filters. This can be most easily visualized in a graph of the selectivity curve of a receiver (fig. 4). Such graphs are often provided by manufacturers to promote their receivers.

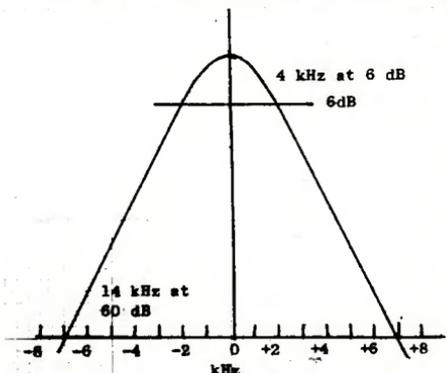


Fig. 4: A receiver selectivity curve

The selectivity is measured by determining the separation between the desired signal and the undesired signal needed to effectively attenuate the undesired signal at various signal strengths. The signal strengths are measured in terms of decibells (dB) of attenuation needed by a filter or selectivity circuit to reduce the undesired adjacent signal to such a point that the desired signal is intelligible. The decibel units used are based on the strength of the radio frequency electric current reaching the IF stage from the RF stage and antenna. We don't need to know the details, just remember that a 60 dB signal is a strong one and a 6 dB signal is a weak one, 60 dB attenuation is a lot and 6 dB attenuation isn't much.

As an example, a receiver manufacturer may quote their product's selectivity values as 4 kHz ( $\pm 2$ ) at -6 dB (or 6 dB down) and 14 kHz ( $\pm 7$ ) at -60 dB (or

60 dB down). In order to visualize what this means, let us again consider our reception of a signal on 5000 kHz. We are listening to voice transmission and the total audio frequency range peaks at 2000 Hz. Therefore, to receive this signal in an undistorted form, the receiver bandpass cannot be less than 4 kHz wide. Since the bandwidth in this receiver is 4 kHz or greater, we will be receiving an intelligible signal on 5000 kHz. Now, what happens if a station signs on at 4998 kHz? The upper sideband of 4998 will begin to mix with the lower sideband of 5000 forming a mish-mash in the receiver output similar to the conditions pertaining to stations on the same channel. The receiver selectivity will, however, result in attenuating the 4998 signal by 6 dB. If 4998 is weak and 5000 is strong anyway, then 5000 should be heard fairly clearly. If they are both weak stations, then 6 dB may be enough attenuation to separate them. If they are both strong, 6 dB attenuation may not be enough and you may hear them both as if they were on the same channel. And, if 4998 is the stronger . . . you will hear it as the dominant station of the pair.

The latter case is similar to our previous example of trying to hear a 10 kW Colombian 5 kHz down from DW Antigua. Such a case may require a full 60 dB attenuation of the interfering signal to make the weaker audible. For the receiver shown in our graph (fig. 4) this much attenuation would require the stations to be separated by 7 kHz. At 5 kHz it will provide less than 60 dB attenuation and the two stations may continue to interfere with each other.

Filters can be placed in receiver tuning circuits to give them any desired skirt selectivity. This shape factor, that is the ratio between the selectivity at 6 dB and 60 dB, for example, is an important factor in determining the quality of receiver selectivity. A 1:1 shape factor is possible, that is the same selectivity at 6 dB and 60 dB attenuation. As a rule, however, high quality filtering circuits are made to perform with a ratio of 2:1 or less (for example 4 kHz at -6 dB and 8 kHz at -60 dB). Such filters are expensive to engineer, but the technology has been available for 30 years. When you slowly tune a radio with this kind of filter, you will note that stations suddenly appear out of the background and just as suddenly disappear when you have passed them. Such a receiver is a joy to use. Adjacent channel interference is little problem for these receivers regardless of the signal strengths involved.

#### WHY COMPLAIN?

From the foregoing you can see that a receiver rated at 6 kHz at -6 dB and 20 kHz at -60 dB (a shape factor of 3.3:1) will not provide adequate station separation in many cases. Why then do the receiver manufacturers market these receivers? It is not a matter of technology, it is a matter of the economics of the market place.

If a manufacturer such as Panasonic, Yaesu, or Sony, wants to introduce a new shortwave receiver to the North American market, they need to guarantee themselves a certain volume of sales. Since that volume is necessarily high, the receiver must have the widest mass market appeal at the lowest unit cost. They make receivers that are easy to use and that look jazzy. The FRG-7000 is a beautiful looking machine, of that there is no doubt. They make receivers that sound good. This is the mass-market appeal. Most buyers will be happy with their radios. The tradeoff is that they believe that the average SW listener will not bother to listen to a station being interfered with by another, but would tune to another station that is not being interfered with. They therefore cut corners on the filters. In this they are probably right. However, we DXers sometimes desperately want to hear the interfered station and we are left with no provision to do so. This is why we complain.

The solution is for the manufacturers to include a switchable narrow filter in addition to the regular filter. This filter could be narrow enough to begin to distort the audio signal. In a practical situation, filters down to 2 kHz can be used on voice transmissions and the words still be understandable. Such a filter would greatly enhance DX reception possibilities, particularly if it could be also used with a separate SSB product detector for exalted carrier reception. The likelihood that receiver manufacturers will do this in the current line of receivers is not very great, but that should not stop us from asking them to. It certainly would add to the cost of the receivers.

#### SUMMARY

1. The skirt selectivity or shape factor is vital in determining the quality of receiver selectivity. The closer to 1:1, the higher quality the filter.
2. It is easier to separate weak signals than strong ones.
3. In practice, a filter only 6 kHz wide will pass all of a signal needed to provide undistorted audio reproduction of voice transmissions and some music.
4. A filter genuinely less than 2 kHz wide is generally too narrow for undistorted listening to AM broadcasts.
5. Selectivity characteristics of receivers are measured electronically and are generally over rated when compared to actual station separating ability. Therefore, rather than

accepting the manufacturer's selectivity curve at face value, an evaluation of selectivity should be made on the basis of actual operation.

6. Based on my personal experience, selectivity values of 4 or 5 kHz at -6 dB and a good shape factor (2:1 or so) are the minimum necessary for serious listening in today's crowded SW bands. A narrow selectivity option of about 2 or 2.5 kHz at -6 dB, with a good shape factor also, is desirable for serious DXing. Such selectivity is, unfortunately, available only on communications type rigs at present. However, some of the general market receivers, such as the Yaesu, can be modified with better filters.

7. There are other strategies to improve selectivity including Q-multipliers, audio filters on the receiver output, directional antennas, and the simple expedience of turning down the RF gain to take advantage of the narrow end of the selectivity curve. None of these is a complete substitute for good receiver selectivity.

I hope this article has shed some light on the question of receiver selectivity. I welcome additional questions and comments and will be happy to clarify any points in future SWCs.

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## Digital 160

ADDING DIGITAL FREQUENCY READOUT TO THE  
DX-160 SHORTWAVE RECEIVER

by David Mattis, P. O. Box 162, Morton Grove,  
IL 60053

In the December 1977 issue of FRENDX I wrote a short article comparing a DX-160 with digital frequency readout to an FRG-7. A lot of interest was generated about the digital frequency readout which was used with the DX-160. A detailed discussion about this particular readout can be found in my original article in the February 1977 issue of Popular Electronics magazine. This article discusses in detail about the operation and construction of the digital frequency readout for SW receivers.

Why add digital frequency readout to such an inexpensive receiver? The answer is simple. Because it is cheaper than buying a new receiver with this feature and why give up an already simple to operate receiver for a more complex one. I will concede that the DX-160 does lack some selectivity and does have image and high band sensitivity problems, but these are very easily overcome. I plan to write several future articles which will show how easily these problems can be solved.

Now, back to discussing about the digital frequency readout. How does one add one to a DX-160? My original article did not discuss this area in detail. It is a very simple task with the DX-160. In fact, no soldering, drilling, or modifications to the receiver are required! First, remove the top cover from the DX-160 receiver chassis. Then pass the insulated alligator clips and the input cable through any one of the ventilation holes behind the main PC board in the rear Bakelite panel of the receiver. The center conductor alligator clip is attached to Q8's drain lead and the shield's alligator clip is attached to a nearby ground screw. Presto! The display is now connected to the DX-160. Detailed drawings of this connection are found in the display's manual. To prevent the cable from pulling loose, tape or clip it securely to the chassis and the rear bakelite panel of the receiver.

Another important point. With frequency counters becoming so cheap, you might be tempted to buy one and try to use it as a digital frequency display. Don't! You will waste your money. A digital frequency counter can not be used as a digital frequency display on virtually all receivers. True, it will display the local oscillator frequency, but it can not electronically add or subtract the receiver's IF frequency from this value to show you the actual frequency of the station you are listening to.

This digital frequency readout for the DX-160 receiver is obtainable from Mattis Electronics, P. O. Box 162, Morton Grove, Illinois, 60053. A complete kit (SW-160) designed for the DX-160 or the DX-150 receiver costs \$114.95 postpaid. It comes programmed for a 455 kHz IF frequency. This same display should also work with any other single conversion receiver using a 455 kHz IF frequency. For \$10.00 more one can obtain a kit (SW-5) which can be used for any IF frequency with other receivers. It will not work with synthesized or Wadley-loop receivers like the FRG-7. Also, the SW-5 kit can be used as a frequency counter when all of its programming switches are turned off.

If you should have any questions concerning the display, please include a self addressed and stamped envelope with your correspondence to me. I have used digital frequency readout with my DX-160 for almost four years now and so far nothing on the market today can replace this combination price wise. Also, the satisfaction which I receive in knowing the exact frequency of every station I listen to was well worth the extra cost of the display.

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SPECIAL REQUEST- YOUR EDITOR WOULD LIKE USER REVIEWS OF THE FRG-7000 and DX-300 ASAP.

# Pits?

## THE PITS OF SHORTWAVE!

by Richard C. Clemens, Buckhannon WV

You may laugh that I have spent only \$30.00 on my Shortwave Receiver, but wait, you may be interested! My \$30 receiver is that kit job from Radio Shack called the Globe Patrol. Yes, I said \$30! Now, when Radio Shack sticks "Science Fair" on anything, I usually look the other way. However, my old (a three tube job with six coils) shortwave receiver was not too safe for my son to use and I didn't want to invest too much. The Globe Patrol is a three transistor, four band, regenerative receiver with built in speaker and several controls. The kit instructions are good (not great) and construction is easy if you have had some experience.

Now, I am sure it can't pull in that 500 watt station, nor does it have an LED readout to 1 kHz, but it works and works well. I am sure that I have as much, if not more fun with my \$30 purchase as some of you must have with \$900 worth of equipment. (After all, three years of FRENDX will cost me more!) I am also sure that there are others reading this that may be too shy to admit the equipment they are using is much like mine.

We do need help, however. We (the bargain basement FRENDX gang) are happy with our equipment but could use some help on technical problems with our equipment. My main concern is antenna/ground systems. The instruction manual outlines a 50 foot long wire antenna with a ground to cold water pipes. I have tried this, and it seems to overload the receiver. So far, my best connections are a 20 foot indoor "long wire" with a ground to most anything. A second problem is the proper setting of the antenna trimmer. Is it to be set once for a given antenna and forgotten or is it to be adjusted each time you try to tune a new station?

One suggestion that I can offer to other bargain basement shortwave listeners is not to use an AC adapter with this kit. I have found that a set of Ni-cad batteries provide a low cost power source that will not affect the quality of the sound.

And just what do the bargain basement gang listen to on those nice quiet evenings? Well, more than VoA! When the turkey next door isn't screaming into his CB (which sorta wipes out all four bands) I have listened to Radio Moscow, Radio Netherlands, HCJB, Voice of Chile, Radio Tirana, Radio South Africa and others. Okay, I know those are the big ones, but it is fun to listen to them. My son hasn't listened much (I've usually got the radio) but I am sure he will.

A suggestion to those of you with money to spare. Why not build one of these kits for the kid next door or the local youth group. We can complain of bad TV, but unless we can interest our youth in something else, they will still watch it!

In addition, if others in the world of FRENDX would like to join me in the Pits of Shortwave, drop me a note! R. C. Clemens, 45 Shawnee Dr., Buckhannon, WV 26201.

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# CLOCK

## MODIFY YOUR CLOCK

by John W. Creamer, Denver, CO

(Mr. Creamer, who is 82 years old, is a long time contributor to FRENDX. The article below first appeared in SWC in January 1972 and is repeated here at his suggestion.)

Knowing the exact GMT that a shortwave station signs on, or is heard at, or signs off, is a "must" whether you are listening to a US station or any other station from around the world. You will need to list the GMT in making your log report or sending a report to request verification cards. Yes, a GMT Conversion Chart is a most handy device to have and does give you the correct GMT (if you read your chart correctly), but what if you have no access to a chart, or if you have mislaid same just when you need it?

I am sure that every NASWA member has at least a 12 hour clock of some type, near the radio receiver. Wanting to use my cheap electric wall clock to tell the local time as well as the correct GMT gave me the idea of modifying the clock dial, so now at any hour of the day or night I can look at my clock and tell exactly to the minute the correct GMT and local time. Of course, I check the accuracy daily with WWV on 15 MHz.

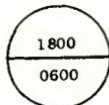
I will tell you what I did to my clock, then you can change yours to suit yourself and use your own ideas. My clock has a 5 inch round dial. First I cut a 9 inch square piece of stiff cardboard, and cut out of this cardboard a circle a trifle less than the 5 inch dial. I did not cover any hour numerals nor the hands. Next I cut out 12 circles the size of a penny for the 12 GMT indicators. A light color was used for the circles, to contrast with the red background of the 9 inch square.

Opposite each hour I glued one of the circles to the face of the cardboard close to the dial. Each circle or "GMT Indicator" has a horizontal line, dividing the circle into a top half and a bottom half. After I got my 12 circles fixed to the cardboard, they were ready

to be numbered with the correct 24 GMT hours. Each circle carrying two different GMT hours. This is the only tedious part of the modification, so take it slowly.

No matter what your QTH is, you are either on GMT or ahead of GMT or behind GMT by a certain number of hours. In my case Mountain daylight savings time is 6 hours behind GMT by 6 hours meaning when it is 0000 GMT, it is just 6 p.m. local time. So knowing this I decided to start at the 6 p.m. position and letter the bottom half of the GMT indicator 0000 (that is, below the line).

- then the 7 p.m. indicator reads as 0100 or 1 a.m. GMT
- the 8 p.m. indicator reads as 0200 or 2 a.m. GMT
- the 9 p.m. indicator reads as 0300 or 3 a.m. GMT
- the 10 p.m. indicator reads as 0400 or 4 a.m. GMT
- the 11 p.m. indicator reads as 0500 or 5 a.m. GMT
- the 12 p.m. indicator reads as 0600 or 6 a.m. GMT



- Now watch this carefully -

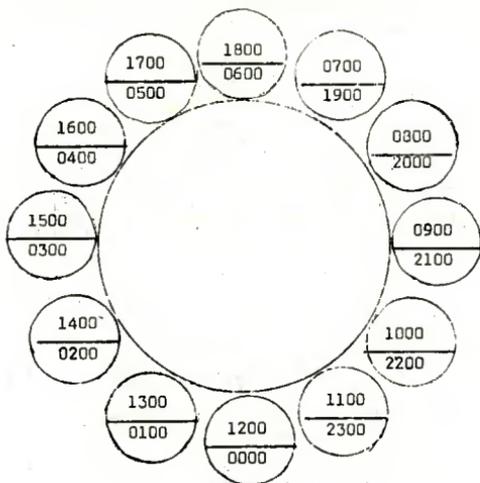
At the local 1 a.m. time the indicator shows the GMT hour as 0700 at the top of the circle, meaning it is an a.m. time and not a p.m. time (as you are now reading the indicator at 1 a.m. and not at 1 p.m. or 13 hours local time .. this continues in sequence around the clock to 12 noon local time when the GMT indicator shows 1800 at the top of the circle.

Then at 1 p.m. local time or 13 hours plus 6 hours for GMT you have 1900 GMT and the figure shows at the bottom of the indicator circle as you are now reading it at 1 p.m. local time, not 1 a.m. as previously.

- Then 2 p.m. or 14 hours local time + 6 hours = 2000 GMT
- 3 p.m. or 15 hours local time + 6 hours = 2100 GMT
- and so on to 6 p.m. local time = 0000 GMT

thus ending 24 hours of GMT indications on a 12 hour clock face, and you are back to where you started your marking of the circle GMT indicators.

If you have a 24 hour clock, you will need 24 circle indicators, and each will have only one GMT hour on it. Square clock faces can be modified easily using square GMT indicators instead of round ones. Also, remember this important fact, if your time shifts back and forth between standard time and daylight savings time, you will have to make your dial rotate or move your GMT indicators one hour forward or back each time change. The illustration below shows the completed clock dial.



(Illustration has been reduced)

# WARC 79

SOME THOUGHTS ON WARC-79

by Perry Ferrell, Park Ridge, NJ

As a result of talking to many visitors here at GILFER, as well as numerous telephone conversations, I'm convinced there is a misunderstanding about the World Administrative Radio Conference of 1979. The prevalent "fear" appears to be that the international broadcasting bands will undergo vast changes -- most likely enlarged from their present bands, or filled out with totally new bands, and that such changes will occur immediately after the Conference closes.

Actually, immediate changes are unlikely. The Agenda for WARC-79 concerns Article 5 of the Articles of Radio Regulations (ITU) which deals with frequency allocations in the broadest context. The Agenda does not concern itself with the specifics relative to one particular service; for example, Article 10 dealing with the International Broadcasters. Thus, although WARC-79 may recommend many changes in the frequency allocations of all radio services they (1) will NOT be implemented immediately after the close of the Conference, and (2) in all probability WARC-79 will be followed by a Conference of the international broadcasters to sort out the "specifics" of the very general recommendations resulting from WARC-79.

Whatever results from WARC-79 will in all probability not be effective until the early 1980's. These "specifics" could deal with such subjects as power restrictions, target area restrictions, reserved frequencies, frequency hours, etc. While some nations may "jump the gun" and set up shop in an entirely new broadcast band, the wholesale shift (if it comes about) will take place over several years. This is really no different than existing conditions where there are 462 allocated channels in the international bands, but there are over 400 out-of-band channels in use.

Of course, everything is in a state of flux--not only politically--but because of the unprecedented and unexpected increase in sunspot numbers and opening of the higher frequencies with extremely strong signals over very long ranges. It's really just about anyone's guess what will result from WARC-79. It will not be a repeat of earlier conferences. The one vote for each country concept with the influx of Third World nations has eliminated the possibility of predicting the outcome. It may well be something entirely other than we can expect at this time.

While it would behoove a new receiver buyer to choose a general-coverage receiver (as opposed to a receiver with limited present-day international band coverage, only) don't expect the international bands to be shifted overnight -- in either 1979 or 1980.

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## Antenna

THREE ANTENNAS

by Dave Valko, Dunlo, PA

It has been often said that a receiver is a toy if it doesn't have an external antenna. Well, that may be true but I've experimented with a lot of antennas and I have come to the conclusion that any receiver isn't a toy if it has a longwire antenna attached to it. I have been DXing for over three years now and I have used such antenna's as the vertical, inverted V, windom, a few dipoles including the multiband, and I have even gone as far as trying a parabolic dish (which was a waste of time in my opinion) and I have never come across an antenna which could outperform a longwire. I now use a 127 foot longwire T.

I used a longwire for about a year which was a little shorter and a little closer to the ground than the longwire T that I am presently using. I think the longer and higher the antenna is the better it will perform, but this only holds to a certain extent of course.

Construction of the antenna is simple if the space is available. The antenna should be 25 to 30 feet high or even more if space is available and the proper supports are that high. The length of the antenna should ideally be about 100 feet or 30.5 metres for the 31 and 60 metrebands. The lead should be affixed at one end of the antenna it is a longwire (end closest to the receiver) and for the longwire T it should be at exactly the middle. The lead should also have a nice gentle curve down to the receiver. If you attach the antenna to a tree, use a spring between the insulator and the tree to compensate for the sway of the tree in the wind (this is a good idea for any antenna). With the spring, the antenna will not break as often and you could be watching a football game some Sunday afternoon instead of fixing a broken antenna.

A windom antenna is next best in my opinion. I've used it as my very first outdoor antenna and have received over 60 countries with it connected to a \$30 Sears portable. Construction is similar to the longwire except that the lead is affixed at 0.36 of the length of the antenna.

The final antenna that I consider third in value is the dipole. There are a number of antennas that are close performance wise to the dipole, but the dipole is more popular.

As for the construction it should be  $\frac{1}{2}$ -wave or  $\frac{1}{4}$ -wave for the metreband desired. The formula for this can be found in a number of publications including our own club manual "DXing According to NASWA". The lead should be of either coax cable or twin lead. This antenna should be grounded for best results. A Preselector could come in handy for a little gain if you aren't satisfied with the results. An antenna tuner also helps in that it can resonate the antenna to the frequency received. I hope this information helps our beginning members.

\*\*\*\*\*

## DX Aids

### FREQUENCY CHARTS FOR EASY ACCURATE TUNING

by Bob Brown, Youngstown, OH

Many of us SWLers have some problem with reading frequency accurately or setting our receiver to a particular frequency, especially those of us who do not have digital readout or direct reading dials accurate to 5 K. C. (which is most of us).

I have tried different methods and have found that calibration graphs using the log scale on the bandspread dial is the best method for me. The big drawback to the graphs is that you have to check frequency on the side, follow across a graph line to the calibration line, and then down to the log reading. With this method I sometimes miss the proper graph line and am on the wrong log setting.

My variation of this system is to make frequency/log charts from these calibration graphs. With this method, once you have the charts made for each band, it is only necessary to look for the frequency you want and read the log setting next to it. For an unknown frequency just check the log setting for the band in use and read the frequency beside it.

Here is a sample of what my charts look like:

<u>Freq./Log</u>	<u>Freq./Log</u>	<u>Freq./Log</u>
6000--17	6100--29	6200--42
05--17-1/2	05--29-1/2	05--42-1/2
10--18-1/4	10--39-1/2	10--43
15--18-3/4	15--31	15--43-1/2
20--19-1/2	20--31 1/2	20--44

I find this system very accurate using the built in 500KC. calibrator on my Kenwood R300 Receiver. But it is exceptionally accurate if I recalibrate each 100 KC. using an outboard calibrator and returning the main tuning dial.

There have been several articles on using and making calibration graphs in FRENDX as well as other publications; therefore I have not explained it. If you need any further information feel free to write me.

Naturally, it takes some time to make the graphs and then the charts, but I feel it is time well spent rather than to miss a logging you want or to misread a frequency.

Good tuning to you, and I hope my system will help. (Your Editor has used this system and finds it to be a very easy way to work with non-digital receivers with logging scales on the bandspread.)

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## THIS & THAT

For those of you interested in a current receiver with improved selectivity (see the article on selectivity in this SWC) Gilfer Associates, P. O. Box 239, Park Ridge, NJ 07656, is now offering the FRG-7000 receiver modified with two AM selectivity modes, 4 kHz wide and 2.5 kHz narrow. This modified receiver is sold for \$625.00 plus shipping. While your editor has yet to receive an owners report on this modified version, in theory it overcomes the selectivity shortcomings of the production 7000. The FRG-7000 is a nice looking receiver with digital readout and a built in clock (also digital). Write to Gilfer for information about this receiver. They also are still offering FRG-7 receivers and a digital readout counter for the FRG-7. Write for current prices and catalog.

Your Editor still has NASWA SPECIAL PUBLICATIONS THREE (Introduction to Shortwave Propagation by John Tuchscherer, 75¢) and FOUR (Complete Results of the 1976 Survey of the North American Short Wave Association by K. A. Elliott, \$1.00) for sale. I will ship both Special Publications together for only \$1.25. Send order and payment to Jerry A. Lineback, P. O. Box 325, St. Joseph, Illinois 61873.

+ + + + +

RADIO WEST, 3417 Purer Road, Escondido, CA 92025, has sent their new catalog and will be happy to send you one on request. They offer digital frequency displays, FRG-7 receivers modified with Collins filters, preselectors, headphones, digital clocks, and ECB loop antennas. Write to them for the catalog or more information.

+ + + + +

BOOK REVIEW -- Behind the Dial by Bob Grove, 73 Radio Bookshop, \$4.95.

I recently purchased and read this book (I should say magazine considering it contains no more than 70 pages of useful information) in hope that it would give me a better understanding of shortwave listening. The book is composed of several broad areas of interest, The Electromagnetic Spectrum: A review, Users of the Radio Spectrum, Surveillance, Station Layout Considerations, Antenna Systems, and Interference.

My first impression of this book was that it wasn't intended for the average shortwave enthusiast, but rather intended for the person who just bought a multi-band receiver. It does, however, contain useful information on the selection and proper maintenance of a receiver. The chapters on antenna systems and interference were disappointing. The author mentioned several antenna possibilities, but did not go over it in great detail. He even failed to give a clear sketch or diagram of the finished antenna. The chapter on interference discussed all possible ways of combating man-made interference, but not natural atmospheric interference.

The overall evaluation of the book is basically unfavorable considering it is not strictly shortwave related. However, I would recommend this book to someone who does more than just listen to foreign broadcasts.

Reviewed by David D'Angelo, Broomall, PA

+ + + + +

THE UNKNOWN DANGERS OF DXING - a contribution by Ed Richezza, Philadelphia PA

All of us are familiar with the hazard of shock when using any electrical appliance. Warnings abound concerning the danger of shorts, improper grounding, etc. All of these are tangible, concrete hazards and I am sure even the novice DXer takes proper precaution with his rig. But there are also other hazards of an intangible nature, one of which I discovered the hard way. I feel an obligation to pass this along to my fellow DXers.

One summer Radio Prague, in the cultural portion of its program, told a short story by a Czech author. In the "carrying coals to Newcastle" tradition, the story had its locale in England and its principal character was a Chief of Detectives. It was a clever, interesting story with a surprising climax.

That is Part 1.

The following summer, hit no doubt by the re-run problem, Radio Prague did a repeat of the same story. Surprisingly the retelling did not pall and I enjoyed it almost as much as the first time.

That is part 2. Part 3, which follows presents the hazard.

After breakfast the following morning I mentioned to Dorothy, my wife, that last night I heard Radio Prague tell an interesting short story which they told the year before and which I clearly remembered. Since Dorothy is as much interested in DXing as she is in football on TV, she usually replies quickly to such a comment with a polite "Is that so?" or something equally noncommittal. This time there was complete silence. Since I was not facing her at the time, I concluded that she didn't hear me and repeated the comment. Again silence--and now it seemed ominous. What did I say wrong? Where did I goof? After another minute or so I turned around. She had an angelic look on her face and a twinkle in her Irish eyes and said ever so sweetly, "Isn't it truly amazing! You can remember something Radio Prague said a full year ago, but you can't remember something I told you just yesterday."

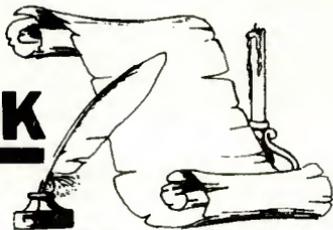
C'est la vie!

The Linebacks: Jerry, Mary, Nathan, Ben & Dan

73 +  
Wishing you  
a Merry Christmas  
and an especially  
happy New Year

# Listeners NOTEBOOK

**GLENN HAUSER**  
**University Radio WUOT**  
**Knoxville, TN 37916**



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**ENGLISH SCHEDULES** ALBANIA R. Tirana hrd at 0230-0300 3/11 between 9745 and 9750; may replace 6200 (Mark Giorgi, NY)

ALGERIA R. Algiers stated that as from 21/10, EG would be retimed to 2000-2030 on 11740, 9610, 7145 and 251 kHz. But obs only on 9510 and 251 (BBCMS 26/10)

AUSTRALIA R. Australia Pac Is svc, same beam as to Nam, provides good reception on 9505 at 1800-2030, noted 2/11 (Mark Giorgi, NY) But as from 5/11 to have been replaced by 5955, which would not be heard (gh) Oh, yeah? See full sked on LN-13 (gh)

BANGLADESH R. Bangladesh at 1230-1300 now on 21670, mixing with AFRTS-Philippines; and at 1815-1915 hrd on 15285; 11890 also announced (Noel Green, BBC WRC 25/10)

BELGIUM In WNAW we have trouble getting BRT at 0015-0100, but the earlier transmission of the same program to Africa can be heard at 1710-1755 (Joe Tangredi, NV, REVIEW OF INTERNATIONAL BROADCASTING) Noted on 26/10 on 17735 instead of 17740 (Gerald W. Arrington, CA)

BULGARIA R. Sofia announced this new sked effective 25/10. 1930-2000 on 9700, 6070; 2130-2200 on 7115, 5915; 0000-0100 on 9705; 0430-0500 on 7115. I was rather surprised to receive 5915 with good signal level! (Bill Matthews, OH) Not 9750 as per BBCMS (gh)

CAMEROON R. Garoua on 5010 noted on a Tues with EG at 1730-1845; news 1830 (J. Olema-Akio, Uganda, Nov WRVH Newsletter--hereafter "NL")

CANADA RCI D78 to Nam: 0100-0130 11940 5960. 0200-0230 9535 5960. 0300-0330 11845 9755 9535 5960. 0400-0430 9535 5960. New Mon-Fri relay of CBC Radio to Eur at 2200-2300 on 11855 9575 and via Daventry 5995 (CBC via BBCMS 11/78) BBC via Sackville 1600-1709 noted on 17830 instead of sked 17840; less QRM, I guess (gh) CBC NS SW EG sked, LN-13

COSTA RICA Faro del Caribe on 5055 noted with EG at 0250-0400\* also announcing 9645 and 6175 (Gordon Weston, BBC WRC 15/11)

CUBA The D78 and M79 RHC skeds remain as in WRTH 78 except 2010-2140 17855 ex-17885 (NL)

ECUADOR HCJB D78: Nam 1200-1600 15115 11745. 1300-1600 17890. 0030-0700 11915 9560. 0500 -0700 6095. SAM 1200-1600 15115. Eur 1700-1800 21480 17865 15380. 1900-2030 21480\* 17865 15295. 0700-0830 11820 9635. SPac 0600-1130 11900 6130. 0700-1030 9745. \*to be replaced by a 25mb freq later in season (via Mac Leonhardt, IN) ETHIOPIA LN-13

FRANCE D78 RFI "Paris Calling Africa" 1700-1800 is on 15 freqs: 7135 9595 11745 11845 11930 15200 15210 15300 15360 15425 17720 17795 17850 17860 21580 (NL) GERMANY E LN-13

GREECE VOG dropped 9610 as of 8/11 to Nam at 0200-0350; still on 9760; not sure what replaced 9610 but clears channel for R. RSA (Dave Walcutt, TX) EG at 0215-0230 only (gh)

GUAM KTWR D78: 0000-0130 on 17855, 2850; 1000-1058 on 11810, 3450; 1430-1500 on 11850, 2850 and 15135, 3150 beam (NL) HUNGARY LN-13

INDIA ATR is interested in reports for their GOS 1745-2230 on 11620 and 15165 (SCDX 7/11) Fair reception usually on 11620 (Mark Giorgi, NY, 7/11)

IRAN Tehran radio reported that clocks would be put back half an hour on 10/11, to GMT + 3 1/2 hours (BBC MS 2/11) On 12/11 I managed to pull in 9022 well enough to confirm that EG had been resked to 2000-2030. It moves all over the GMT clock, but stays at 2330-2400 local (gh)

ITALY RAI D78: 1935-1955 on 7275 7290 9575. 2025-2045 on 6050 7290 9575. 2200-2225 on 5990 9710 11905. 0100-0120 on 6010 9575 to Nam. 0350-0410 on 9630 9710 11905. 0425-0440 on 6075 7275 (RAI)

KOREA SOUTH R. Korea 1/2 hr pgms: 0630 9640. 0830 9525. 1000 9580. 1130 7275. 1330 11965 & 9870. 1500 7275. 1600 9720 9640 7550 7275. 1800 9720. 2000 11860 7550. 2300 9640 7550 (BBC MS 10/78)

KUWAIT Per R. Kuwait, 12085 is replaced by 15345 during Dec at 1800-2100 (BBC WRC 15/11)

LIBERIA ELWA has EG in external sce at 0700-0800(Sat), 0700-0730(Sun) on 11830; 1345-1630 (Sun) on 11860; 2015-2130 on 11860 (NL) 11860 //new 9760 (R. Johansson, Nov DSWCI SW News)

NORWAY (Cf Oct LN-2) R. Norway D78 sked matches the tentative at 1600-0630, but 0800-0830 on 9590 11850 21730; 1200-1230 on 6015 17840 21730; 1400-1430 on 9605 17840 21730 (via Pete Grenier, CA)

PHILIPPINES FEBC D78: 2300-2400 on 11890(beam 280°), 15450(240), 21515(150). 0000-0100 on 11895(280), 17810(30/210), 21515(150), 0100-0500 on 17810(280), 21515(150); 0800-1000 on 11765(150/330), 1245-1600 on 15440(280) (R. Johansson, Sweden, NL) R. Veritas has retimed its EG sked for D78; 0000-0030 on 11725(206), 15275(260), 17710(212); 0300-0330 on 15260 (287), 15275(260), 17710(270), 1130-1200 on 9590(276), 11805(206), 15165(260); 1300-1330 on 9590(270), 11955(276), 15165(260) (NL) Hrd 1130-1200 on 9590, also announcing this sked except for 0300 broadcast (Bill Matthews, OH)

SA'UDI ARABIA LN-14

RHODESIA RBC GS has moved from 6020 to 7285 due to propagation at 0600-1130 (BBC WRC 15/11)

SOUTH AFRICA R. RSA final D78: 0256-0426 Eaf \*11900 9585 \*7270 5980 4990. 0556-0700 Waf 21535 17780 \*15220. 1056-1156 C&Eaf & Eu 21535 15125. 1258-1550 (Sun includes Afrikaans 1258-1459) 21535 15220 \*11900. 2056-2150 Waf & Eu \*17780 15155 \*11900. 0156-0250 Nam 15155 \*11900 9610 9585 (R. RSA) Why they say 0156- I don't know, as IS already going at 0150. Note that 25790 disappeared from sked; pity--I think it would have boomed in here in our mornings (gh) As of 18/11, 15155 was replaced by 15220 at 0200, due to QRM from Morocco (Dave Walcutt, TX) more, LN-14

SRI LANKA SLBC ES to Af & ME continues hrd daily exc Wed, 1845-1945 on 15120 & 11870; announced 17850 & 9720 not obs recently (BBCMS 2/11)

SUDAN Voice of the Sudanese Nation DS on 6150 & 5038 includes EG news 1545-1600 (BBCMS 26/10)

SWAZILAND TWR D78: 0430-0630 3275 9530. 0645-0835 5055 11910. 1200-1415 9530. 1630-1800 9720 11910. 1800-1915 7280 (NL)

TURKEY VOT to SWAs 1200-1300 moved to 15125 (BBC MS 26/10)

U S A Per AFRTS News Notes 30/10, they decided to shift down time of stateside xmtrs from 1400-1800, to 0700-1100, when there is less news and the least chance of sports being scheduled. I feel my repeated letters to AFRTS helped them change their downtime (Louis Goldstein REVIEW OF INTERNATIONAL BROADCASTING) This last-minute change was no reflected in the D78 VOA freq sked, but I have put together this approximately correct AFRTS sked: 21650 2300-0400. 17765 1800-0600. 15430 1200-2400. 15330 1200-0100. 11805 0200-0700 & 1330-2130. 9700 1100-1630. 6095 1100-1400. 6030 2300-1200 (gh) (NL)

WYFR D78 (F = Florida 100 kW; rest Massachusetts 50 kW): Eu/NAF 1230-1400 Sun 17785 / 21525-F. 1400-1600 Sun 17875 21525-F. 1600-1700 15110 15440/21525-F. 1700-1800 15110 15440/17845/21615-F. 1800-1900 15130/21525, 15440/17845/21615-F; 1900-2000 on 11805/17845-F, 21525 2000-2100 9690/11805-F, 21525. 2100-2300 9690/11720-F. Ams 0100-0300 5985, 0300-0500 6155

U S S R R. Moscow & sputniks introed autumn/winter skeds 25/10. RM World Service expanded from 14 to 19h per day--continuously 0400-2300. The extra five hours, 1600-2100 appear to have been introduced at the expense of other RM services. The Gt Britain & Ireland svc 1900-2000, so far obs on only 2 SW freqs, instead of 6 prior to 25/10. The 1330-1400 xmsn for Sierra Leone is dropped. EG to Af now 1630-1730 & 2000-2100 (BBC MS 2/11) Here is the composition of R. Moscow English service since 25/10:

To Europe 0400-2300 RMWS and GB&I Service 1900-2000. To ME 0400-1900 RMWS. To Africa 0400-2300 RMWS and Afr Service 1630-1730, 2000-2100. To S&SEAs & FE 0400-1700 RMWS and S&SEAs Service 1500-1530, 1600-1630. To ANZ 0400-1300 & 2100-2300 RMWS. To Nam (Atlantic Coast) 1100-0400 RMWS & Nam Service 2300-0400. To Nam (Pacific coast) 1500-2300 & 0000-0730 RMWS, Nam Service 0000-0330, PCS 0330-0730 (BBC MS 9/11) Still nobody reports on the frequencies! Nor have I time to survey them all. I have noticed 21575 in our mornings (gh)

R. Tashkent now 1200-1230 on 5975, 6025, 9540, 9600 (Bill Matthews, OH; Richard Utter, NY) The usual set of winter freqs; also apply to 1400-1430 (gh) R. Vilnius 2300-2330 on 7150 7215 9580 15100 15240 17870. R. Kiev 0030-0100 7150 7215 15100 15240 17870 (Bill Matthews) Kiev also announcing EG at 2030 to Eur 7260 6020 5970; 0300 to Nam 9580 7320 7260 7215 7175 5970, hrd 4/11 (gh)

VATICAN VR carried EG to Nam 0100-0115 one night, 29/10 on 11725 rather than 11845; probably an error; next night back on 11845 (Richard E. Wood, NH)

ANOTHER CONTEST International SWL Contest of Deutscher Funk Verband E.V.: To listen to as many stations as possible in as many different ITU zones as possible (75 of them). Time: Sat 9 Dec 0000 GMT to Sun 10 Dec 2400 GMT. Every participant must show a break of 12 hours in the log, in one or two parts at any time in the 2-day period. Only BC stations in the official SWBC bands are admitted--no BC stns in ham bands, illegal and underground stns. Log must show date, GMT, kHz, name or call of stn hrd, ITU zone, exact details of xmsn hrd. Each correctly logged QSO counts one station point; each different ITU zone of the stns hrd counts one multiplier point. Total results from multiplying number of station points by number of ITU zone points. Please send your logs of the contest with 2 IRCs and an affirmation that you have heard the stations listed in the log all yourself, before 31/12/78 to: Deutscher Funk Verband e.V. "SWL Contest", P.O. Box 50, D-6682 Ottweiler 1, West Germany (Play-DX)

**OTHER SCHEDULES**

- ALGERIA** R. Algiers anc'd that from 21/10 ES in SP would be at 2030-2100 on 11740 9610 7145 251, but hrd only on 9510 and 251 kHz. A survey of SW freqs used by DS shows AR audible on 10195 9705 9685 7200; FR on 9510 only. Kabyle continues on 6160 (BBC MS 26/10) 2/11)
- BANGLADESH** R. Bangladesh DS now obs 0600-0930 & 1030-1315 on 9580 7140, ex-9720 9550 (BBC MS BAZILL Changes to WRTVH 78: 4835 R. Nacional de Boa Vista (ex-R. Roraima), C.P. 225, 69300 Boa Vista, 0800-0300. 9705 & 11885 R. Ipanema no longer on SW. 4785 R. Brasil, Campinas, now ZYG859; 0800-0500. 2420 R. São Carlos now ZYG862. 3385 R. Educadora, Tefe now 5 kW. 3245 R. Clube Varginha now ZYL238, 0800-0130. R. Nacional Brasília 9605 11780 15445 all 250 kW ZYE366/368/370, 1900-0400 (NL)
- CAMBODIA** R. Democratic Kampuchea recently obs on 9693 ex-11949, //4908 2300-2400, 0400-0500, 1100-1500 for DS. ES in Vietnamese 1030-1100, 2230-2300. (BBC MS 2/11) 25m outed currently hrd on 11936, down from 11950v. But 4908 is untraceable eves & morns (Isao Ugusa, New Far Eastern DX Review, 30/10) CHINA LN-13
- CYPRUS** V. of Cyprus noted 5/11 2215-2230\* in Greek on excellent new 9565 ex-9770. Announcer sounded BBC-trained (Richard E. Wood, NH)
- DOMINICAN REPUBLIC** 3315 R. Ritmos, Santiago now on SW, 1 kW, 0930-0400 //mediumwave 530. 3205 & 6190 La Voz de la Libertad, Puerto Plata, both 5 kW, 0900-0400. 4930 5 kW R. Barahona HISV 0900-0300. (NL)
- ECUADOR** 4781 Sistema de Emisoras Atalaya reported here ex-4790. 4980 Ondas Azuayas 1030-1700 & 0100-0500. 4820 now HCRT6 1 kW, 0930-0300, R. Paz y Bien. 4850v R. Luz y Vida, ex 4830 (NL)
- GABON** Franceville may carry out test xmsns with new 500 kWs: 0500-0600 6030, 0600-2400 on 6030/9695 to C& SW Af. 0600-1800 on 7270 Caf, 1800-2400 7135 NW & SE Af (D. J. Sapsford, England, NL)
- GUATEMALA** 2340 & 4835 R. Tezulután, 1200-1600 & 2100-0230. 2360 R. Maya de Barillas 1000-1500 & 2200-0400. 3380 R. Chortís 1100-1230, 2130-0330. 4825 R. Ham 1000-0300. Delete 4870 R. Santa Cruz. 6010 R. Miramundo now on 6158v. 6180 R. Nacional 1100-0600 (NL)
- INDIA** Following amendments should be made to domestic SW list in WRTH 78: 3235 now Gauhati B 0100-0215 & 1230-1830; 3268 \*1315 (ex 1230); 3305 0200\* (ex 0215); 3365 0230\* (ex 0235). 4760 delete 1130-1245; 4840 \*1130 (ex 1230); 4920 add 1130-1730; 4960 add Delhi 0245-0400; 5960(Jammu) 0700-1015 (ex 1030-1230); 5970 0400\* (ex 1230); 6010 0400\* (ex 0415); 6020 0700-1115 & 1130-1300; 6065 0230-0400 & 0700-0945; 6085(100 kW) 1245-1730 (no break); 6100 add Kurseong 0700-1015; 6130 delete 0530-1015; 6170 delete-stn out of service; 6190 1130-1215 only; 7110 add Delhi 0700-1015; 7210 1215\* (ex 1045); 7240 0700-1000; 7250 0700-1030 (Sudipto Ghose, India, NL)
- INDONESIA** R. Khusus Pemerintah Daerah Studio Programa 1 Kabupaten Daerah Tingkat 2, Lumajang, in East Java Province is operated by Lumajang District Govt on nominal 3220, heard recently on 3094, drifting up to 3143 at times. Sked 2225-0300, 0455-0800, 0955-1515. R. Pemerintah Kabupaten Daerah Tingkat 2, at Ciamis, Central Java, 2245-0100, 0545-1100, 1145-1600 on 4022; operated by Ciamis Dist Govt, call on letterhead is 8FG250; both per QSLs (Robert Yeo, R. Australia Japanese DX) See why I abbreviated to "R. KPSP1KD2" on DX Digest ? (gh)
- IRAN** VOI DS in FS currently hrd: 0230-0430 9022, 0430-0700 15084 11745 9022. 0700-1330 15260 15084 11745 7215(to 1400). 1330-1530 15260 15084 7230(from 1400). 1530-1630 15260 15084 9770 7230. 1630-1730 15084 9770 9022 7230. 1730-1950 15084 9770 7230(exc. 1830-1900). 1950-2100 15084(to 2030) 9770. Two channels, 15084 & 9022 carry VOI's ES in FS, called the Familiar Voice (Persian: Seday-e Ashna), 2030-0230, intended for Eur, NAF, NAM including re-lays of VOI DS mx. This takes into account 10/11 30-min time zone change. The sked was actually monitored before this at times 30 mins earlier than shown here (BBC MS 9/11)
- ITALY** Some special RAI fine-print broadcasts in Italian that may otherwise be overlooked: Daily 1400-1430 "Panorama Italiano" for Canada on 21690 17755. Daily 1830-1935 news & sports for Canada 15385, CAM & WI on 17770 & 15400. During soccer tournaments, at variable hours, play-by-play coverage will be broadcast on Suns to NAM on 17755, CAM 17795, SAM 21655, Au 15340, EAF 21510, C&SAF 21655 (RAI schedule)
- KENYA** VOK National See back on 4915, while 4935 is taken over by Mombasa; both to 2010\* (J. Olema-Akio, Uganda, NL)
- LIBYA** Xmsns on 6205 & 1610 kHz from likely Mebo II, now to 1755\*, while during the last months they have been heard until late at night (Thomas Drescher, R. Viking DX World 24/9 via World DX Club Mid-Monther) MONTSERRAT; MALAGASY REP LN-14
- NETHERLANDS ANTILLES** TWR D78, sked for 250 kW xmtr: 1000-1030 11900 GM, 2255-2330 15440 PT, 2330-2400 15440 GM, 0000-0045 15440 PT, 0045-0135 11925 EG, 0140-0300 15440 SP (NL)
- NEW HEBRIDES** R. New Hebrides now using 3945 & 7260, both 2 kW for all xmsns: Sun 0500-0900, Mon-Fri 0030-0215 & 0500-1000, Sat 0600-1000. EG nx 0830, FR 0845. All reports to new addr: P O Box 49, Port Vila (NL) Now operates also on Sat, formerly silent day (Arthur Cushen, NZ, DX Juke Box 3/11) OMAN LN-14
- PARAGUAY** Revised SW skeds: 5975 0900-1800. 5995 0900-0500. 6015 0930-0400. 6025 1000-1800 & 2100-0300. 6110 1000-0330. 15210 0930-0300 (NL)

PERU R. Loreto now on 5050 as OAX8F. R. Sicuani on 4965 ex-4835, at 0955-0400. Ondas del Huallaga on 3300, ex-3330. R. Ayaviri on 5778 ex-5035. R. La Crónica on 9524v ex-9517/9515 (NL)

SA'UDI ARABIA LN-14

SEYCHELLES FEBA D78: 6185 0040-0145. 11725 0825-0915. 11785 0155-0300. 11805 0310-0605 & 0925-1000. 11855 0155-0300, 1500-1630. 11860 1635-1800. 11865 1155-1400(Sun), 1210-1500. 11945 1010-1030(Sat Sun 1045). 15160 0655-0800. 15325 1210(Sun 1155)-1630. 15405 0305-0445 15430 0915-0950(M W F), 0915-1005 (T T S S). Within these blocks there are often antenna beam changes (via Colin Miller, Transvaal)

SOUTH AFRICA LN-14

SPAIN REE sked shows some new out-of-band freqs, some (\*) as alternates: 0800-0930 9790 to Au in SP. 0930-1100 9790, 1630-2130 11995\* & 9790\* SP & AR (BBCMS 10/78)

SUDAN R. Omdurman's "Voice of the Sudanese Nation" DS runs 1530-2055 on 6150 & 5038, in FR, EG, and AR. (BBC MS 26/10) Expatriates' BC Service in AR, 2100-2200 on 6150 & 5038 (BBC MS 2/11) Since 25/10, VOSN on MW only with 6150 & 5038 carrying Gen'l Svc in AR (BBCMS 9/11)

SURINAM SRS now on 4850, 10 kW at 0825-0330(Sun GMT 0500) (NL)

TURKEY VOT Turkish for Turks abroad: 15135 0600-1700. 11955 0357-0600 & 0900-1500 & 1700-2000. 9665 0357-1200. 9515 0357-2127. 7170 0357-0600 & 1700-2127. 6185 1500-2127. AR to ME 1400-1500 on 9665. To Balkans 1500-1700 on 7170 (BBC MS 26/10) To Eur in GM 2000-2100 & FR 2100-2130 on 11955. (BBC MS 11/78)

URUGUAY R. Agradeciada, Mercedes, obs irr on 4960 (NL) Well, that is 4 x 1490, 100 watts! (gh) R. Montevideo Cañelones en el Éter, reported on 4970; Difusora Soriano obs irr on 4910. R. Sarandí no longer on SW (6010, 9515, 11885) (NL) 60m may be PTP links (C. Maslatón, SWN)

U S S R In four hours of monitoring, 0300 past 0700, I have observed the following invariable formats for time stations RID on 15004 USB, and RKM on 14996 LSB:

RID	DESCRIPTION	RKM	DESCRIPTION
0000-0010	Noise which sounds like RTTY	0000-0009	unmodulated carrier
0010-0019	unmodulated carrier	0009-0010	ID in fast code: CQ CQ VVVV RKM ...
0019-0020	Morse code ID "RID" repeated 15 x	0010-0020	time pips like RID (9th & 10th sec double pip)
0020-0030	Time pips for seconds and long tone for each minute; double pip at 9th and 10th second of each minute	0020-0030	RTTY noise
0030-0040	RTTY noise	0030-0039	unmodulated carrier
0040-0049	unmodulated carrier	0039-0040	ID in fast Morse code
0049-0050	ID again 15 times in Morse code	0040-0050	time pips
0050-0100	time pips	0050-0100	RTTY noise

While one is off or IDing the other station is broadcasting time pips. No time anmts were given. When on unmodulated carrier is on AM, hetting WVW 15000, but on the SSB mode on the receiver, 15004 or 14996 is silent. Is it possible to QSL these stations? (Paul R. Jordan, TX, 6/11) Per WRTH they are both in Irkutsk; nothing said about QSLs; WRTH also gives different frequencies for these (gh) more, LN-14

VIETNAM R. Hoang Lien Son obs to 5595, down from 5601 where first appeared; still at 1130-1200 & 1400-1430 (Isao Ugusa, New FEDXR 30/10)

more ANDORRA LN-13

MISCELÁNEA RADIAL ANDORRA 6215, hrd well 6/11 at 2041 with pops and EG and Swedish anmts. The pgm is called "R. Scandinavia", apparently the commercial venture noted in Nov LN-4. ID 2058: "You have been listening to a test xmsn from R. Scandinavia, transmitting from R. Andorra International, on the frequency of 6215 kHz. For xmsn inquiries, you should contact R. Andorra, Box 1, Andorra, in the Principality of Andorra. This has been a program from R. Scandinavia. The address is Box 14006, Malmö, Sweden." Similar ID in Swedish, then picked up regular Andorra SP pgm, all pops to 2200\* Quite good sig, better than RNI used to be (Jerry Berg, MA) 2105-2202\* pop songs in EG, FR, others; suddenly off at 2200 with no ID or anmt, on Tue 7/11 (Syd Osterman, Ont.)

ARGENTINA LR9 R. Antárdida hrd on 5985 via R. Splendid xmtr, "boxe", poor 16/9 0030 (PLAY-DX)

AUSTRALIA R. Australia Indonesian xvc USB feeder hrd on 15870 around 2215 past 2300, 30/10. (Mark Giorgi, NY) Also 11/11 at 2300, but was mixed with Moscow! (Richard M. Utter, NY) Also hrd here at that time, but no Moscow (gh)

AUSTRIA Per various newspaper reports, there are controversies between the Austrian parties about the (re-)election of the Generalintendant of the ORF. Both big parties, SPÖ (social democratic) and ÖVP (conservative) seem not very satisfied with the present General Director Oberhammer. Though a candidate of the SPÖ in the last elections, this party is not sure whether it will support him or present a new candidate. An ORF G.D. has to be elected by a committee (Kuratorium) of 30 persons. However, governmental and opposition groups have the same strength in this committee so that in a final ballot the vote of the Chairman (SPÖ) will be decisive. (Later) New (Interim?) Dir. Gen. of ORF is Mr. Gerd Bacher, not the favourite candidate of the governing party SPÖ (EDXC Newsletter)

BOPHUTHATSWANA Per R. RSA, on 31/10, R. Bophuthatswana would go on the air 6/12. S. African engineers are already installing a xmtr and equipping a studio in the local national assembly complex. More xmtrs later. In Tswana only (BBCMS 2/11) BBCMS listed under SOUTH AFRICA. I am not making a political statement by 'declaring Bop. a country', but a DX statement--even if Bop. is not really independent, neither are many so-called existing radio countries. Anyhow, we don't know whether this will be on SW, but I doubt it (gh)

**BOLIVIA** R. Sténtor, La Paz, obs on 6090, in Quechua as well as in SP (BBC MS 26/10) 31/10 at 0922 in Indian lang, wild-sounding ranchera type mx; quite a few IDs and SP GMT-4 TCs; persistent het. 5/11 0948 native mx, heavy on horns & drums, much yelling; somewhat similar to Peruvian mx but much wilder (Jack Jones, MS) Me too, fairly good 4/11 0934 with Bolivian mx and frequent IDs and TCs between mx; surprising strength, but bad het at times (Jerry Berg)

**BRAZIL** New stns: 4875 R. Nacional de Manaus, 69000 Manaus, 50 kW. 3375 10 kW R. Nacional de São Gabriel, 69750 São Gabriel. 4765 10 kW R. Nacional de Cruzeiro do Sul, 69980 Pôrto Velho. 4815 10 kW R. Nacional de Tabatinga, 69630 Benjamin Constant. 4945 R. Nacional de Pôrto Velho, 78900 Pôrto Velho. 2430 R. Ereta, 79730 Glória de Dourados. 2470 R. Cidade Canção 1/0.5 kW, 87160 Mandaguçu. 3215 1 kW R. Culture (sic) Rio Verde de Mato Grosso. 3295 1 kW R. Iguatemi. 3385 5 kW R. Jornal da Trausama Zonica (sic--should be Transamazônica --gh), Altamira. Radiobrás, C.P. 04-340, 70000 Brasília, operates sts 27), 179), 180) and 252) (NL) A small taste of all the looking-up I have to do to include station names omitted from NL information (gh)

**BULGARIA** LN-13

**CANADA** A 1975 Gallup Poll commissioned by RCI found that among the then 142,000,000 U.S. adults, RCI had a total audience of 4,402,000, of whom 2,130,000 listened less than once a month; 1,562,000 once twice or thrice a month; and 710,000 once a week or more often. These previously confidential figures have just been released in the November REVIEW OF INTERNATIONAL BROADCASTING. See also CUBA, GERMANY WEST, NETHERLANDS, UKOGBANI, USSR (gh)

RCI Bending to CBC Censors? (CP) Ottawa. CBC legal staff tried without success Tuesday to stop a former employee from giving testimony before the CRTFC dealing with alleged censorship on RCI. CBC lawyer David Chatia said the complaints made by Tom Rusewski of Ottawa, a former member of management with the corporation's industrial engineering branch, were personal ones and should be dealt with in other ways. Rusewski has already threatened legal action claiming illegal dismissal. He was fired a few days after he filed a brief to the commission outlining his complaints. He claims that CBC middle management began a "cover-up" operation after Progressive Conservative MP Tom Cossitt asked in the Commons about censorship allegedly imposed on RCI broadcasts beamed to the Soviet Union (via John Garner, CANDX Nov)

RCI heard in Russian at 1435 on 30630, 2 x 15315 Sines, which was inaudible, 18/11 (gh)  
I've been hearing CFRB (1010 kHz, Toronto) harmonics the past two weeks on ground wave, but perhaps audible via skywave elsewhere. 9090 is reliable 1500-2100 here; 10100 and 11110 are more problematical, and 8080 is rare due to a fax xmtr on the freq. No luck at all on other likely freqs (Richard M. Utter, Rochester NY, 22/10)

Regarding these harmonics I phoned CFRB and talked to engineer Paul Edgley. He said there had been reports of it, but he wasn't aware it had been going on for so long. He also said that if the harmonic sig is 70 db of the 50 kW or less, they are within legal limits. The only complaint they get is from ARRL due to 7070 in the 40m hamband. They will not be able to QSL the harmonics because the veri signer doesn't know much about the technical side. The DOC never complains about harmonics either (Steve Webster, Ont.) Who's complaining? Next to CKFX, CFRB harmonics are probably the best broadcast DX Canada has to offer. Why spoil it all by telling the station or trying to QSL the harmonics? They must be beyond tolerance, however, since of all Toronto's 50 kW stations, only CFRB puts out audible SW harmonics (gh)

CBC Northern Service had a problem with its 11 MHz antenna, so this explains the use of 6065 instead of 11720 for much of the day between 2 and 22 October (Ian McFarland, RCI)

A Decca type navigation system was noted on about 1795 kHz accidentally relaying CBC French coverages of Montreal Canadiens hockey. Almost all these systems involve an off the air relay at some point, and occasionally some of the more exotic varieties wind up accidentally airing a strong local broadcast station (Nov SWNS) more LN-13

If a neighbour is causing QRM or QRN to your SW reception, or if Hydro-Quebec electrical lines are the problem, less frequently, all you have to do is to file a written complaint with Communications Canada, 2 place Québec, Suite 436, Québec, G1R 2B5, or at the office nearest you. After about a month's delay, an inspector will come to verify the situation at your home and will follow through on your complaint. If you hesitate to do this, remember that this is a tax-supported service (Michel Baron, Oct L'Onde)

**CHINA** Per Kyodo news agency, the Dir. of the Chinese Central Broadcasting Adm admitted 31/10 that the relay stn set up in Albania by China to beam to the American area was not functioning at present because of deterioration in the relations between Albania and China. He made this disclosure at a meeting with a delegation of Japanese journalists visiting China (BBCMS 9/11)

**COLOMBIA** (Cf LN-13 Nov) To explain the confusion about R. Nueva Granada and a possible name change to R. Suceso; R. Nueva Granada is the main stn of the Radio Cadena Nacional net, which carries a news bulletin called R. Sucesos. This is also carried by La Voz del Huila on 6150. R. Nueva Granada rarely uses the slogan, but instead IDs with call HJKJ, and often repeats that it is the main stn of RCN, on 6160 (William Heath, KY; José Mauricio Rángel Neira, Colombia, SCDX 24/10) Cf Nov-LN-6, La Voz de los Centauros was mistakenly 'located' under Nicaragua. A Colombian, of course (Don Jensen, WI) My mind had foggy echoes... (gh)

**COSTA RICA** R. Casino on new 5960, 1133 1/11, I assume to get away from VOA, Centauros and Nicaragua (Jack Jones, MS) RCI 5960 now unuseable eves due to het (Stu Klein, FL) This it?

**CUBA** RHC's 16th contest: among prizes are five all-expense paid trips to Cuba. Answer this question: What is the Non-Aligned Countries movement, and what are the common aspirations which unite the non-aligned countries? More details from RHC (Johann Weidlein, GFR, SCDX)

CUBA The 1975 RCI Gallup Poll showed that among US adults, RHC had a total audience of 2,272,000; of which 1,420,000 listened less than once a month; 710,000 once, twice or thrice a month; and 142,000 once a week or more often (Nov REVIEW OF INTERNATIONAL BROADCASTING)

CZECHOSLOVAKIA Here are six different jamming systems used by this country: 1) A heavy type used against RFE, continuous morse type signals heard during the evening on 6110. 2) Background noise type signals used against DW on 6120 at 1100. 3) Noise used until recently against Canada and sometimes the BBC. 4) Another kind of noise used against BBC 6120 and 7210 at 1830, 1945, 2045. 5) A noise sounding like a gale wind blowing, used against R. Tirana in the 41m band at 1000. 6) Another jammer against RFE on 720 kHz mediumwave (David Sykes, England, SCDX 17/10)

CHILE Several SW stations listed in WRTH 78 should be deleted: 48) CE957 was closed and dismantled along with the MW outlet. 94) CE488 was a spurious emission from faulty MW xmtr, now corrected. 70) CE943 abandoned its plans to go on SW. 18) CE615/969 has dropped SW also. Apart from LVCH, many Chilean stns are leaving SW and changing to FM (Luís del Valle M., Santiago, NL) Now how in the world did that spur on 4880 get a call sign? Answer: whoever reported it assumed that would be the call sign for that freq. Ha! (gh)

ECUADOR On 23/9 some towers of Ondas Quevedeñas fell down. Some drunk people leaving a wake for home at 3 AM ran into the guy wires. The tower fell down, breaking into four pieces. This probably was MW only, as the SW seems to be still OK. (A local newspaper, via DX Party Line 29/10)

ESTONIA Estonian radio men flee to West. Two Estonian broadcasters escaped to the West while the body of a third was found washed up in a rubber raft on the Finnish coast, the Sun has learned. The escapes were the latest developments in a stepped-up purge of dissidents in the Baltic country which has been fighting a "Russification" campaign by the Soviet Union, said Laas Leivat, Chairman of the Baltic Federation of Canada. During the past ten days, Riho Mesila, a radio and TV announcer for the state-controlled system in Estonia, gained asylum in Austria; before that, an UNID Estonian broadcaster gained asylum in Sweden. The UNID third man had died in an attempt to get across the Gulf of Finland. Leivat noted 10,000 Russian workers have been moved into Estonia to build sailing and other facilities for the 1980 Olympics. "The strategy is that they will stay on after the work is done," said Leivat. (15/10 The Sunday Sun, via Syd Osterman, Toronto)

FRANCE (Cf Nov LN-13) Re my logging of French TV. Seems to be Troyes, on 41250 with TF-1 pgm, heard to 1800 fadeout 22/10. No sign of video. Sig so strong it could be heard on portable inside car. Also hrd by John Santosuosso of Lakeland FL (David Crawford, Oak Hill FL) Began checking for this myself, and heard it 31/10 from f/in (s/on?) around 1600 to 1800 or so; also 4/11 and 5/11; nothing but a cheap Astronaut-6 and a hunk of wire (gh)

As of 5/11 France dropped its broadcast until 1400 on 25620 (Larry Magne, PA)

GABON (Cf LN-3) 15305 heard at 2230 in FR (Allen Dean, UK, WDXC MM, undated; 10/78)

GERMANY WEST You have to listen to Süddeutscher Rundfunk 6030 in dribs and drabs. BBC uses the fqy 2030-2200 for SP/PT. At 2200 you can hear SR for about 10 mins, then at 2210 the BBC IS comes on before another PT pgm at 2215-2245. SR again audible until sudden AFRTS s/on at 2305 give or take a minute. If you are lucky you will hear the SR s/off immediately after the nx before AFRTS comes on (Cedric Marshall, Nov DX Ontario)

The 1975 RCI Gallup Poll showed a total DW U.S. adult audience of 2,414,000; of whom listened less than once a month, 1,420,000; once, twice or thrice a month 568,000; once a week or oftener, 426,000 (Nov REVIEW OF INTERNATIONAL BROADCASTING)

GUATEMALA R. Rumbos, hrd on 2420 from 0930 to fade out, 2 x 1210 (Stu Klein, FL, 10/11)

GUYANA FRENCH Last month's SPEEDX reports Cayenne off SW. NOT SO!!! I heard them in Prescott in FR with definite ID on 3385 at 0250 (Steve Webster, Ont)

HAITI Here we go again! (gh) R. Citadelle, 6156 hrd 6/11 1007 with continuous Xmas pop songs in FR from around 0945 ("I Saw Mama Kissing Santa Claus" to "Adeste Fideles".) Hrd nothing about R. Nationale, but due to heavy fade & het could have missed, SIO 322 (Jack Jones, MS) Not sure of s/on time, but generally hrd in progress after 1030 with mostly mx. Peaks around 1100. Several R. Nationale IDs hrd 7/11 at 1056 & 1100 (Jerry Berg, MA) The Haitian on 6156 is now inactive, so whatever they were doing I do not know, however the last ID was R. Citadelle. I am listening to 5645 UNID which comes in nice and clear with no ID. This stn has been UNID for 6 months now!!! Any ideas? (Dick Clark, Dominican Republic) No luck getting it here; how about the Floridians? Please date your letters (gh) INDIA LN-13, 14

INDONESIA Two stns noted on 3375 23/9. One just above 3374 appears to be RRI Jambi, tho no ID noted, relaying Jakarta nx. The stronger is just above 3375 and seems to be a new RRI stn, possibly RRI Tasikmalaya. Apparently s/on 1200; without Jakarta nx 23/9 and 24/9, just Indo songs and pops; but on 1/10 weekend relay 1300 Jakarta nx, and Nusantara pgm (Bill Sparks, CA, TDXN) RRI Padang has been heard on new 4003 kHz (Jan Tunér, RN DXJB 10/10)

ITALY R. Milano International, Via Locatelli 6, 20124 Milano QSLed in 7 days. They are testing 350 watts on 6130 24 hours a day; no IRCs required (Dario Monferini, PLAY DX 15/11)

IVORY COAST I've been hearing Rdif Ivoirienne with best-ever reception on 11920 around 0700-0900, often strongest station on the band at the time (Joe Tangredi, NV, Nov REVIEW OF INTERNATIONAL BROADCASTING) more, LN-14

JAPAN A special program "You're in Hawaii Today" was to take place 23/11 as NSB Tokyo was linked by satellite for a 15-hour simulcast with K200-1210 in Honolulu, the first such project in Japan's radio history. To commence with NSB's English pgm at 1530 22/11 GMT on 3925, 6055, 9595. Special QSLs were available for the day (SCDX 24/10)

JORDAN HKBS starting to come in around 1645 with pop mx, 1700 ID, EG nx, on 9560; f/out around 1730; flutter and a lot of fading. (Steve Webster, Ont)

KOREA NORTH Since 1966, René Chicoine had been trying to get a reply from R. Pyongyang. Report after report, IRC after IRC, nothing worked, until the day he sent them a copy of L'Onde mentioning the generosity of that station. A short time later he received: 1 QSL card, 1 Korean flag, 1 magazine, 1 greeting card, 2 calendars, 1 pennant, 2 schedules, 1 letter in French, 4 Japanese IRCs, 2 books on socialism, and 1 station button. Not bad, huh (Oct L'Onde, from Yvan Paquette)

A recent survey of regional stns shows this frequency usage: Kanggye Radio, Chagang Province 4273. Wonsan Radio, Kwangong Province 3030. Hamhung Radio, South Hamyong Province 2775. Pyong Radio, South Pyongyang Province 2765. Sinuiju Radio, North Pyongyang Province 2745. Sariwon Radio, North Kwanghae Province 2670. In addition to local pgms, these stations relay Pyongyang domestic service (BBC MS 9/11)

KOREA SOUTH A report by a U.S. House of Representatives international relations subcommittee quoted by AP in the 2/11 Toronto Globe & Mail reveals "an advisor to S. Korean Pres. Park Chung Hee, identified as Han Gi Uk, apparently tried to bribe an unnamed Voice of America official to make more favorable news reports about South Korea. Han is quoted as telling the American in 1970 that Korea had 'lots of money to spend'". This is about the time that VOA was considering moving its Okinawa relay to S. Korean territory (SWNS Nov)

LAOS JADK Newsheet quotes an item from the Far East Economic Review re a new xmtr made available to R. Vientiane for external broadcasts. The xmtr was originally that used for R. Liberation pgms originating in the former S. Vietnam in 1975, and the inaugural broadcasts were expected to be on the air by now. A Vietnamese delegation was to have visited Vientiane for the inaugural broadcasts (R. Australia Japanese "DX Time" 5/11) more VOL LN-14

LEBANON Voice of Lebanon, the pro-phalangist clandestine reported 17/10 that its Dir. Gen. had been asked whether it was involved by the resolution banning illegal information media in the Lebanon. He stated that VOL had a legal permit from the Lebanese authorities. Therefore it did not come under the category of the illegal press media (6550 kHz) (BBCMS 26/10)

MALTA There is quite some confusion around the DW relay stn on Malta operated commercially as R. Mediterran. Since the start of Sept all xmsns produced by Adventist World Radio have been cancelled without further notice. Also DW itself has reduced broadcasting hours from Malta, especially on MW. The 600 kW xmtr formerly on 1570 but now on 1554 kHz is only used for pgms in AR 0400-0550, GM 1400-1750. Also the relay of Libyan Radio and R. Malta in AR 2130-0030 has been discontinued. For a couple of days non-stop mx was audible instead with frequent annts "This is R. DW transmitter Malta" but now also this has stopped. A new xmsn believed from Malta, relaying Libyan Radio is audible 1800-1955 on 5960 in AR, but this channel is completely covered by R. Tirana (Thomas Drescher, GFR, R. Viking DX World 24/9, via World DX Club mid-monther) more LN-14

MONGOLIA A new radio stn has been commissioned in Altay City in western Mongolia, per a 19/10 report from the Mongolian news agency Montsame. It will enable nearly half a million inhabitants living in the SE region of the country to receive radio programmes from Ulan Bator. R. Moscow added in its own report that it had been built with technical assistance from the USSR. Montsame also pointed out that this station was one of numerous communications projects being constructed with aid funds from the USSR. A 60-million-ruble gift was used to finance construction of a new radio relay line to the western part of the country. (BBC MS 26/10) No word on SW or MW freq, but if it's to serve the SE from the W, shortwave seems likely (gh)

NETHERLANDS The 1975 Gallup Poll for RCI showed R. Nederland had a total U.S. adult audience of 1,988,000; of whom 1,420,000 listened less than once a month; 426,000 once, twice or thrice a month; and 142,000 once a week or more often (Nov REVIEW OF INTERNATIONAL BROADCASTING)

NIGERIA Per the 26/10 Los Angeles Times, the U.S. has a monitoring station in northern Nigeria. The article gives the impression, probably false, that it is operated by the VOA. The same story mentions a similar BBC monitoring station at Nairobi, Kenya (SWNS) Most likely FBIS-operated, and in Kano, where NASA once had a tracking station (gh)

OMAN A tip on how to log BBC Masirah. On 10/11 and 6/11 at 0255 I noted the Bow Bells 9590 under RN Bonsaire, and per Nov LN this is the site (Roger Reini, TX)

PANAMA La Voz de Panamá, 9605, has discontinued SW operation (NL) A long time ago (gh)

PAPUA NEW GUINEA On 15/10 Mike Bolitho, Fred McClenaghan and I drove up to Prescott Ont, and set up a beverage antenna pointed straight at PNG. Here's what we came up with: 1023 East New Britain on 3385. 1040 West New Britain on 2340, F=G. 1048 R. Chimbu 2376 F-P. 1048 Eastern Highlands 2410 F. 1052 New Ireland 2428. 1104 W. Highlands 2450. 1130 R. Mobe 3220 G. 1135 Madang 3260 G. 3322 N. Sols G 1137. 1137 Gulf Dist. 3245. 1140 East Sepki 3335. 1147 Milne Bay 3360. 3905T Manus 1151, 1155 Port Moresby 3905 (S. Webster)

PHILIPPINES Radyo Pilipinas, the Voice of the Philippines, is preparing to go back on the air in Dec, using 9580. Address will be: National Media Production Center, 15th Floor Philcomen Bldg., Ortigas Ave., Metro Manila (William Miller, CA, SCDX 7/11) PORTUGAL LN-14

SA'UDI ARABIA AR stn noted around 2000 on 15060; is this Sa'udi Arabia? (Jim Conrad, IA) Not sure which site, first hrd 5/11 1940 play, 1950 mx, 2000 seems nx, IDs. Powerhouse, natch. Next day no sign before and after 2000, but they were holding forth at 2030 tune by (Jerry Berg, MA)

SINGAPORE The BBC estate at Kranji is on the northern edge of the island, just 14 miles away from the older station in Tebrau, West Malaysia. On this compact 4-acre property, the construction engineers have erected a comprehensive antenna system and a large two storey transmitter building, constructed on cement piles because of the swamp. There are 17 self-supporting masts from which are strung 18 antennas, slewable and reversible, of various designs, some of which are unique to BBC broadcasting. At the time of my visit, four 250 kW transmitters had been installed, two of these already operational. When complete, there will be 4 of 250 kW and 4 of 100 kW. All were originally at Tebrau; however, 2 older 100 kW xmtrs there will not be transferred to Kranji. The receiving site is at Pongol on the SW edge of Singapore Island in the edge of the sea. The first two SW xmtrs at Kranji were switched into regular service on Feb. 1. The third on July 1, and the fourth expected on August 1 (Adrian Peterson, Oct IDXC1 DX Digest)

SWEDEN LN-14

SWITZERLAND SRI has replaced 15305 with poor, jammed 9660 in EG to Nam 0145-0215. Correspondence with Swiss PTT Dept responsible for freq selection shows total obliviousness to 250 kW R. Nacional de Brasília, beamed north on 11780, intensely interfering with SRI SSB test there, and thinks I am referring to R, Guafba with 7.5 kW on 11785!! (Richard E. Wood, NH)

TAIWAN The president of VOFC reports that they received 73,000 letters last year (Arthur Cushen, DX Juke Box 3/11)

UGANDA R, Uganda, Kampala, on 17725, 0413-0423 classical mx, news to 0330, mixed classical and native mx and govt yak yak. Long time silences punctuated by odd bangs; into French 0358; strong (John Rouse, MD, Nov NNRC) Sic. First time I've seen that freq reported (gh)

UKOGBANI The 1975 RCI Gallup Poll showed BBC number one SW station among US adult listeners, with a total audience of 4,544,000; of whom 2,556,000 listened less than once a month; 1,278,000 once, twice or thrice a month; and 710,000 once a week or more often (Nov REVIEW OF INTERNATIONAL BROADCASTING)

Bow Bells, the old familiar BBC interval signal, are the chimes of the 300 year old church in the City of London known as Saint Mary-le-Bow, whose 220 foot steeple was designed by Christopher Wren. It is said that anyone born within the sound of Bow Bells is a Cockney (Cedric Marshall, DX Ontario)

A strange obs can be made around 2100 on 5975 kHz when BBC is making its own pgm unreceivable by using this channel for two different xmtns, namely in EG, and an eastern language, possibly Bulgarian. The result of this unique venture is: no transmission understandable (Thomas Drescher, GFR, R. Viking DX World 24/9 via WDXC MM) Not quite unique: Portugal, Canada and of course the USSR and USA have been known to pull the same trick (gh)

BBC TV 1 Crystal Palace heard on 41500 kHz 21/10 at 1600. No sign of video (David Crawford, FL) Cf FRANCE, I heard this too in same time period 31/10, 4/11 and 5/11; doesn't seem to s/on until 1600. Usually mixed with France. Corresponding video for ch. 1 is 45000 kHz, so with a little higher MUF we should hear that too; don't confuse either with radiation from IF of nearby TV sets near the same frequencies! (gh)

UNITED NATIONS Changes to WRTVH 78 p. 273: 1) Office of Public Information is now known as Office of Public Inquiry. 2) New phone number is 212-745-1234, ext. 6845. 3) Contact person is Mr. Bolotsky, ext 6934. 4) Direct contact can be made re UN frequency info to: Washington VOA Traffic, Fgy. Div., Mr. Carl Bonavise, (202) 755-4265. 5) Specific technical info, reception problems, e.g. off-fgy xmtns, etc., can be passed on to: Mr. Warren Richards, Fgy Utilization Branch (VOA), (202) 755-1903. This info gathered personally by me from all the persons named above (Rufus Jordan, PA)

U S A VOA was using 11905 kHz 8/11 for election coverage during the evening (Dave Walcutt, TX) WCBG-1590 Chambersburg PA was noted at SWNS HQ with 4 different spurs between 1600 and 1650 kHz, all perfectly modulated, at 2243 27/10. Presumably had 4 matching spurs below 1590 kHz they were covered by QRM at this time (1578V & 1563V are often hrd). Must be some sort of a record (SWNS) KGEI is making a big deal of having to drop its Mandarin broadcast, which cost \$730 a month, and probably spending that much on direct-mail solicitation to raise enough to resume this 'urgently needed ministry to the people of Communist China!' Meanwhile, in its separate FEBC publicity, Manila claims they are well heard on any radio in China via two superpower MW stations (gh)

U S S R The 1975 RCI Gallup Poll of U.S. adults gave R. Moscow a total audience of 2,840,000. Of these, 1,846,000 listen less than once a month; 710,000 once twice or thrice a month; and 284,000 once a week or more often (Nov REVIEW OF INTERNATIONAL BROADCASTING)

R. Moscow has beefed up its world-wide EG broadcasts from 20 to 32 hours a day, TASS reported yesterday (Louisville Courier-Journal, AP, 26/10 via Ken MacHarg, IN) R. Moscow announced in AR svc that from 25/10, RMWS would be extended by five hours, to 0400-2300 (BBCMS 26/10) TASS said the new pgm had been introduced because of the growing interest abroad in the Soviet Union. In the 300,000 letters a year now received by RM, listeners said they con-

sidered broadcasts from Moscow "a very important and sometimes the only source of truthful information about life in the Soviet Union and Soviet policy". (BBC MS 2/11)

R. Moscow's coverage of the parade in Moscow's Red Square, commemorating the 61st anniversary of the Great October Socialist Revolution, consisted of a live relay and commentary in Russian for listeners at home and abroad as well as relays and commentaries in Standard Chinese, English, French and Spanish for audiences thruout the world. Russian audible on 52 SW channels began at 0645, ended at 0945. EG, FR & SP ran from 0645 to 0830 on 28, 13 and 3 SW channels respectively. Chinese audible only on one freq due to adverse conditions (BBCMS)

## CLANDESTINE CRANNY

Voice of the Malayan Revolution, not on 7300 as per BBC MS but on 7305, hrd \*2200 in Malay (McNeill, TDXXN)

Voice of Namibia pgm of SWAPO via R. Nacional de Angola, Luanda, is at 1630-1700 on 7245 (BBC MS 26/10) Also on 9535 (BBC MS 9/11)

Voice of Arab Syria, on 9510 & 6165 from xmtrs believed in Iraq, appears to have ceased operations; not hrd since 25/10. A national action charter was signed between the two countries in Baghdad 26/10, and VOAS had been gradually reducing its anti-Syrian stance since 1/10 (BBC MS 2/11) Voice of One Lebanon on the same frequencies from the same site, has retimed its first xmsn from 1030-1130 to 1130-1230; the second is still at 2030-2130 (BEC MS 2/11)

Voice of Palestine, Voice of the Palestine Revolution currently hrd on 1160, in irregular transmissions (BBC MS 9/11)

La Voz de Cuba, anti-Castro program hrd via Rdif. Nacional de Nicaragua, 5950, in late Oct at 0900 to abrupt cut off at 0925. Surprisingly, it's not too heavily-laden with propaganda, but also includes some good Latin music, and I even heard a short feature on the Pacific bird dropping island of Nauru! Subtitle is "Radiodifusión Internacional en la defensa de los derechos humanos y la paz". Often-given address is P O Box 726, Bell CA 90201 (Joe Tangredi, NV, Nov REVIEW OF INTERNATIONAL BROADCASTING)

Numbers Stations Unusual to hear Spanish numbers within 25m band, on 11865 0529-0531\* tho carrier stayed on, with an awful heavy hum after "Final, final". Was woman with 5 digit numbers on AM. Very strong and no fade, sounded like a local (Larry Magne, Philadelphia)

YL(?) with numbers in German on 4990 over R. RSA at 0400; and Nigeria at 2117. Also noted interval or keying tones in between number series (Syd Osterman, Ont)

'Czech spy station' on 5110 2/11 0203-0212. Didn't know what it was at first, but the 'teer-me-NAH' 3 times routine rang a bell. Music was a Slavonic dance. The import of this cleverly encoded message may be that the Czech spy is down to his last record and is now going to kill himself (Richard M. Utter, NY)

6420 kHz pirate, Ye Olde Bootlegger is getting brave. Ran a program of a syndicated show, "American Top 40", 0432-0555. He still never says anything himself, perhaps he doesn't have a microphone. Think he is in the Los Angeles area (Chuck Boehnke, Los Gatos, Nov NNRC)

KDOR I tracked down a month ago. It is indeed just south of Hollywood. I didn't knock on the door but talked at length on the phone (213) 469-9933. One youngish male told me KDOR 830 was an 'unofficial station', not a pirate. He said he has applied to the FCC for a broadcasting license. Somehow I believe him because the FCC would have no trouble tracking KDOR. They have a regular sked and have been broadcasting for a few months, weekdays 6-12 pm, weekends 12 noon to 12 midnite, local time; but they often run past 2 am. Output at antenna, last week of Oct was 85 watts; max capability 185 watts; soon to increase power after proper checks on equipment. Pgm: mostly popular rock mx; also sound tracks from old movies, and famous older songs. QSL promised but so far no results. Is 15 mi from my house but reception is poor due to Hollywood Hills between us (Ken Kashiwabara, Panorama City) Any relation to Ken Kashiwabara? (gh) Hrd here in Azusa with rock, and phone is 213-464 KDOR (Pete Grenier) As of 27/10 KDOR greatly reduced its power--possibly as low as 1 watt (SWNS)

Voice of the Voyageur will hold a 'final tribute broadcast' GMT Sun 5/11 from 0500 on 6220 (anonymous 29/10 phone call to gh) Sure nuff, at 0455 usual guitar IS, pgm from 0500. Gave at least 3 different phone loop numbers, 212-747-9979, 215-842-0095, 612-537-9929, and gave Mike Martin's Adair Ave address in Minneapolis (for first time). Ran to 0621\* Some QRM from SSB coastal stations. Tho the 'pirate band' in Europe, VOV on this freq cannot claim non-interference to licensed stations any more than it could on 5850 (gh) Opened with a nature poem, "We Will Rock You" and "We Are the Champions", re-enactment of the FCC bust. Both loops they tried failed because they probably were busted out by the FCC, so Mike Martin drove to a pay phone a couple of miles from the station and took calls from there. I was the 12th caller and both he and I had the feeling the FCC would be up there in a couple of days with a Federal Marshal. The xmsn was from a different location than earlier broadcasts. Quality was very good, by far better xmsn than their previous broadcasts (Bill Yohana, NJ) Usual in-sane stuff, BBI official stn, ad lib talk, dramatization of 28/8 FCC bust 0515. Wherever you are, R.F. Wavelength, PSE QSL!! (Mike Agner, 19 Grove St., Waldwick NJ 07463) Hrd here too, same stuff noted, at 0620 shutdown, reported it may or may not be for the last time (Ed Kavalesky, OH) Me too; amateur nite in Minnesota; super sigs, better than 5850 ever was (Helms)

WRET, La Voix du Protestaire, hrd with Marxist programming 28/9 at 0130 on 25900. Believe the station is in Montréal (Eric Fortier, Québec, SCDX 24/10)

European Pirates Skyport Radio testing on 7380 Suns 1000 //6215; European Music Rad'o, 7315

Suns at 1200 //Radio Sunshine 7325 with joint "Free Radio Network" pgm (Mike Barraclough, WDXC Mid-Monther) Radio Intercontinental is a new stn from UK on 6250. EMR 17/9 at 0900-1215 using 6265, 50 W // 7310 10 Watts. A. J. Beirens DX pgm now onat 0930-1015 (Michael Bur den, England, R. Viking DX News via WDXC MM) Star Radio is new stn on 7350 (Reinhold Mardorf, GFR, R. Viking DX News via WDXC MM)

Radio Mi Amigo Belgian authorities have organized a hunt for people involved with Radio Mi Amigo. A lot of advertisers were recently visited by the police, officials are constantly listening to Mi Amigo and a trip to Playa de Aro, which was organized by the Belgian travel agency Reiscenter, was delayed. Even the famous Belgian singer Willy Sommers had to promise that he would not go to Playa de Aro. The authorities believe that the Mi Amigo centres in Belgium are Gent, the home of the Mi Amigo drive-in show, and Wevelgem, the city of the Mi Amigo fan-club (Charlie Newman, R. Viking DX World, 24/9, via WDXC MM) Has been off the air since 10/10, but soon to operate on 49m (SCDX 14/11)

Radio Viking (Cf Oct LN-10) has resumed its activities, following recent closure by Danish authorities. Intends to BC 1030-1130 Sun in the 48m band above 6200 kHz, and gradually increase its broadcasting hours. The R. Viking DX World is to be at 1030 weekly (SCDX 7/11)

Yugoslavia The Croatian newspaper 'Vjesnik' 7/10 published an article "Hooligans on the air" which said certain enterprising peasants and craftsmen assemble radio xmtrs from parts of discarded radio equipment bought in junk yards. They then BC on MW from kitchens and sheds their own pgms of music, humour and info and even request pgms for which they levy a charge. The number of such pirate stns in Croatia alone varied year to year from 100 to as many as 300, most in a narrow area close to the northern borders. The suppression of these stns has not been sufficiently effective in the past and the fines imposed on offenders by magistrates have had no deterring effect since their request pgms brought in enough money to pay the fines and the cost of replacing the confiscated equipment. Now a two months' prison sentence has been proposed for such offenders (BBC MS 19/10)

## FUTURE PLANS

AFGHANISTAN On 17/10 R. Prague broadcast an interview with Afgh's Radio & TV Minister, who said that both State and Govt were placing great emphasis on expanding radio coverage thruout the country. Afgh is surrounded by 'imperialist militaristic groupings' of countries whose broadcasts were aimed against Afgh with very powerful transmitters. To defend the country against this 'hostile flood', a short and long term plan have been prepared. The former envisages construction of three radio xmtrs in Balkh, Herat and Kandahar, whilst the latter is aimed at increasing the number of radio xmtrs to 13. At the same time 12 radio studios would be built to provide BCs in the territories and langs of the various nationalities of Afgh (BBCMS 26/10)

AUSTRALIA The govt has announced plans for a chain of "Print Broadcasting Stations" in state capital cities, to provide broadcasts of special interest to the blind, e.g. reading of texts of daily newspapers & magazines. For copyright reasons, these will not operate in the normal MW band, but slightly above it; 1750 kHz has been suggested, but no firm plans yet (John Campbell, NL)

BRAZIL We regret to inform that having suspended our IS as from 6/77, we no longer broadcast in English. For the time being, we have only a daily SW service for the Brazilian Amazon Region, in PT, 1900-0400 on 11780 (Reginaldo Azevedo, Radiobrás, 20/10 letter to John Findlater, CA) More newsworthy is that he said nothing about imminent resumption of EG, as had been reported planned for some time to begin about now (gh)

CANADA CFRB engineer Paul Edgley tells me there is a possibility that 6070 CFRX will be phased out by 1979 due to lack of space and room at the xmtr site (Steve Webster, Ont)

ECUADOR The Quechua Indians are enthusiastic about HCJB's project to build two 10 kW tropical band xmtrs to be dedicated to Quechua pgms. They have already contributed nearly two thirds of the estimated total cost of the xmtrs. Consider what this means to families whose income is \$60 a month or less. English lang service has completed plans for an additional EG release. Bible teaching and inspirational programs designed for the Christian element of our audience will be beamed to Nam & Carib 0030-0200 (HCJB Radio Log Nov-Dec-Jan) That's nothing new--what they need is a separate secular Ecuadorian-oriented program! (gh) HAITI LN-13

INDIA In a 26/10 report, AIR said the Minister for Info & BC had expressed hope that AIR would become autonomous next year. A Cabinet sub-committee was now examining various recommendations on the subject. The main thing was to maintain the accountability of AIR to Parliament and the people of India after they become autonomous. At the same time, it had to be assured that there was no interference in their functioning (BBC MS 2/11) more, LN-13

INTERNATIONAL WATERS Abie Nathan will have to close down the Voice of Peace if he cannot find two volunteer xmtr engineers immediately. In a telephone interview he told the newspaper: "I am desperate. I will even fly someone from Australia just to keep the station going ... For years we have been campaigning to get Israeli and Egyptian leaders around one table. Now this has happened and I believe the VOP has a vital role to play in helping remove the fears and suspicions held by ordinary people on both sides". Anchored six miles off the Israeli coast, the stn is staffed by an international group of Jews and Arabs, broadcasting pop mx, news and peace messages 24 hours a day on 1540 kHz ("The Weekend Australian" via D. Gartner, SCDX 24/10) VOP is looking for a 10 kW SW xmtr (SCDX 14/11)

KUWAIT R. Kuwait is recruiting personnel to begin an external service in Spanish. A well-known announcer at a very prestigious European stn has been invited to head this section. This person is very well-disposed toward DXing (Néstor Rubio, R. Nederland Espacio DX-ista 27/10) One word I had trouble copying in this report was "Kuwait"; hope I got it right (gh)

LEBANON The Prime Minister stated that 'private radio stations' would soon be called upon to cease operations at a fixed hour and a stand would be taken against any station contravening the order. It was hoped that those responsible for the radio stns would respond to the government's stand and close down quickly of their own accord even before a specific hour was fixed by the govt. "Private radio stations", the Prime Minister stated, were more dangerous to the security situation than weapons and barricades. A halt to shelling and sniping with weapons would be useless if radio 'shelling' and information 'sniping' continued. MENA added in a 27/10 report that the licence permitting the Phalangist-controlled "Voice of Lebanon" would be considered illegal, and the stn would be included among the prohibited private stations (BBC MS 2/11) Cf LN-71

MEXICO The projected FM & SW station at the Autonomous University of Nuevo León, in Monterrey still has not begun its operations. I'll keep you advised of any news about this (Horacio Hinojosa Arce, Nuevo León, 30/10)

SAIPAN In July FEBC signed a 25-year lease on 16 acres of land on Capitol Hill for its SW towers (Marlin Field, MI)

SPAIN REE is building new antennas that ought to be finished by yearend. They will be used for new services in GM & FR, in addition to the present services in SP; EG, AR (Markus Rehagel, GFR, SCDX 24/10)

SWEDEN LN-14

SWITZERLAND The Red Cross in Geneva will have test xmsns on 7210 at the times given in the WRTH78 as follows: Dec 25/27; 1979: Jan 22/24, Feb 26/28, Mar 26/28, Apr 23/25, May 28/30, June 25/27, July 23/25, Aug 27/29, Sept 24/28 (sic), Oct 29/31, Nov 26/28, Dec 24/26 (NL)

U S A WGCN-TV, ch. 49, owned by the same concern as WINB, Red Lion PA, has had to postpone its plans to be on the air until mid-Dec or early Jan, and it appears the stn will not be an ABC affiliate. ABC wants all its programming to be carried, or none of it, and WGCN-TV does not want to carry such controversial programs as "Soap", which don't reflect Christian, family-style programming. They have signed contracts with PTL Club and 700 Club. Test pattern to begin around 1/12, Xmas pgms around 15/12, full sked around 1/1 (Gil Delaney, Intelligencer-Journal, via Charley Hoffman, PA) VOA, LN-14

W A R C 7 9 Despite evidence of some progress, U.S. preparations are fast becoming a case of too little too late, Sen. Harrison Schmitt (R-NM) said last week....Sen. Schmitt said he is particularly troubled with the state of the preparations he expects the negotiations at WARC to be politically charged. Third-world countries are beginning to focus on communications and are likely to try at WARC to reserve more frequencies than they need...Sen. Schmitt said he is also concerned there are disagreements on technical points among the State Dept, the National Telecomms & Info Admn, and the FCC...hearings on WARC had been proposed before the Senate Communications Subcommittee by Chairman Ernest Hollings (D-SC) but they won't take place this year. It would be 'useful' he said if they were scheduled early next year. (Broadcasting, 9/10, via SWNS)

In a report on the meeting of the committee for coop among non-aligned BC organizations, held in Arusha, Tanzania 16-23/10, Tanjug stated the committee had drawn attention to the 'absolute disregard' for the interests of non-aligned and developing countries in the preparations for WARC. The non-aligned BCers, therefore, insisted that a non-aligned rep be among the conference's vice chairmen and a non-aligned expert appointed to head a working committee (BBC MS 2/11)

1979 - WORLD DX YOUTH YEAR has been proposed by David Machen, Oshkosh WI, to emphasize getting young people interested in DX listening, in conjunction with the UN's 1979 International Year of the Child. Why not?

PROGRAM NEWS CANADA New CBC NS SW sked reveals that GILMOUR'S ALBUMS has been retimed again, to GMT Sun 0105-0200. DON HARRON'S MORNINGSIDE Mon-Fri 1413-1500, 1504-1600, but final hour turned over to French. The limited duration variety series Tue-Sat 0104-0130 are changing on some days: Wed LIVE WIRES is replaced 13/12 by PLAY IT AGAIN, BOB. Thu, RADIO MOVIE OF THE WEEK is replaced by YES, YOU'RE WRONG 4/1. The political serial SUSSEX DRIVE continues on Fri, and is repeated Mon 0330. The MICHAEL PEARSE'S NIGHTMARE comedy series Sats 1634-1700 was cut short and replaced by SATURDAY REPORT 18/11, probably because of extremely bad taste (gh) More, LN-13

CHINA R. Peking hrd on a Thu 1630-1700 on 15040 with Anti-Apartheid pgm (Arthur Cushen, NZ, SCDX 14/11) The present course with "Chinese for Beginners" as its textbook will be rebroadcast beginning 15/1/79. As usual, the lessons will be on the air every Monday and Wednesday and a copy of the textbook will be sent on request (R. Peking, via John Lackmann, VA)

FINLAND R. Finland Dec. feature pgms, first broadcast at 1930, repeated at 2130, 2330, next day at 0930, 1300, 1430; Sunday Best 0800-0930, 1300-1430. 3-4 Out & About--arctic circle town of Rovaniemi. 4-5 Fresh Air--Liisa Veijalainen on Orienteering; Finnish lesson 7.

5-6 Voices of Finland--tenor Jorma Hynninen. 6-7 Independence Day--live report on celebrations. 7-8 Literature on the Air--'First Love' by Joel Lehtonen: a serious hard-working schoolboy is introduced to high romance when he falls for a lady snake-charmer at a traveling fair. 8-9 Compass North--review of week's Nordic news. 9-10 International Letterbox--reports on subjects suggested by listeners. 10-11 Finland in Focus--literature since independence. 11-12 Standpoint--Finland & the Finns on the world scene; Finnish Lesson 8. 12-13 Voices of Finland--Merja Ikkelä on the accordion. 13-14 Spotlight--wide-ranging documentary series. 14-15 On the Town--student choirs of Turku; Made in Finland--sporting equipment. 17th: Sunday Best--Music for Christmas with Barbara Helsingius, repeat of Spotlight, Turku student choirs, World of Radio with David Mawby on UHF and Satellites, at 0915 & 1415. The remainder in December REVIEW OF INTERNATIONAL BROADCASTING (gh)

ISRAEL Israel radio will air a live transmission of Midnight Mass from Bethlehem, 24/12 at approx 2200-2330 on two shortwave channels. This is also the first night of Hanuka, and on 25/12 there will be special programs for the First Day of Hanuka. Israeli songs are broadcast Sun-Fri at 0410-0450 on 9445 and 9815 (IBA Cheltenham PA) NETHERLANDS LN-14

NICARAGUA Rdif. Nacional 5950 is continuous, including news or news summaries in Spanish at: 0115-0120, 0215-0220, 0315-0320, 0345-0405, 1255-1310, 1415-1420, 1515-1520, 1800-1815, 1915-1920, 2115-2120, 2215-2220, 2315-2320, 2355-0010. Agricultural news at 1215-1230. Features entitled "Let's speak clearly" and "Commentaries" are broadcast frequently thruout (BBC MS)

UKOGBANI Some BBC WS Dec picks: THE BILLINGTON INTERVIEW, Sats 1330, Mons 1830, Tues 2330, Weds 0945; Chakravarthi Narasimhan, Tom Stoppard, Fred Perry, Mary Skeaping. CHINESE HERBAL MEDICINE, 19th 1430, 21st 0330, 22nd 2030. A SYMPHONY OF TOYS, 26th 1430, 28th 0330, 29th 2030. New comedy series is LINES FROM MY GRANDFATHER'S FOREHEAD, Suns 1430, Tues 0330, Thurs 1030, replacing ISIRTA. TAKE ONE, Suns 1015, Mons 2145, Tues 1730, is on Mickey Mouse, week of 2nd; New Hungarian Cinema, 9th; Superman & Marlon Brando, 16th & 23rd. BB SECOMBE allows Harry to go over the BBC WS programming lineup, 25th 1715, 26th 2209. TWO CHEERS FOR 78, 26th 1030, 1830, Wed 27th 0115. QUEEN'S CHRISTMAS MESSAGE 25th 0930, 1500. WATCHNIGHT SERVICE 31st 2330. Some important serials and series of 1979 start the last weekend of December --10-part dramatisation of THE COUNT OF MONTE CRISTO, 30th 0230. THE FRONTIERS OF ENDURANCE, 30th 1130, 31st 1830. THE BEE GEES STORY, 30th 2030; BALLET TODAY, 31st 0330 (BBC, gh)

U S A Fine Arts began via WINE on 18/11 as described last month, after a 2-week delay caused by a freak accident. A farmer drove his tractor into a guy wire, snapping the wire, injuring the farmer, and felling a tower supporting WINE's South American antenna. The entire SAM service had to be taken off the air until it was fixed. The 13-week series of concert music programs GMT Sat & Sun at 0100 are to determine the feasibility of a further Fine Arts radio service on SW from the USA (gh)

Some WYFR "Open Forum" highlights, 0305 on 6155: 16/12, Are tongues a legitimate gift from God? 24/12, What is the will of God? How can we know it? 7/1, Where do christians go when they die? "Conference Echoes" at 0200 on 5985: 1/1 The Seventh Commandment (gh)

## DX PROGRAMS

AUSTRIA Hearing the EG "Austrian SW Panorama" may be a problem due to ORF's "who cares" policy of broadcasting to NAM under WYFR & VOA, so try for these German DX-oriented pgms which may come in better: KW-Panorama, Sats 1330-1400 on 6155, 9770; Mons 1930-2000 5945, 9585, 17865, 15320. At 0905-0915 on 6155, 7170, 9770, 21715, repeated 1445 on 6155, 12015, 21530, both on Sundays are these rotators: 1st week, Philatelie; 2nd week, Radiomuseum; 3rd week, Technische Rundschau; 4th week, Funkwetter

BULGARIA R. Sofia SP DX pgm on first Wed of month at 2250, 0030, 0220, 0450 (Emilio Pedro Povrzenic, Argentina, SCDX 7/11) R. Sofia's EG DX pgm 4/11 included an item about R. Australia being on 21470 to NAM at 0100-0300, obviously a steal from SCDX 17/10, which had this equally obvious typo for 21740; yet I heard no attribution to SCDX. Must be taking after R. Moscow (gh)

CANADA Steve Webster's DX broadcast on 27395 LSB, alternate 27145, has been retimed to 1200 GMT Sat & 0200 GMT Sun (DX Ontario Nov) For Toronto area only (gh) Looking into possibility of getting it on CFRX (Webster) More, LN-13

ECUADOR The 1700 release of DX Party Line to Europe has been retimed to 0800 (DX Party Line 26/10) They really ought to add a morning release to NAM, say at 1230 or 1300, as evening reception is unreliable compared to always powerful signals in the mornings (gh)HUNGARY LN-13

PHILIPPINES (Cf Nov LN-10) R. Vexitas DX editor is Marisu Chao (f.), not Masu Chao (S. Muralidhar, India; Roland Schulze, GFR, SCDX 7/11) Now Sat 0000, Mon 1300 (IDXCI) Freqs, LN-2

SOUTH AFRICA The management of R. RSA decided in the last week to cut back on time given to EG DX pgms. The Wed pgm has ceased. On 30/10, I was informed my contract would not be renewed on 5/11. As I had already recorded my pgm for 1/11, there was no opportunity for me to say "Goodbye" on the air. It would therefore be appreciated if you would convey the following message: I wish to gratefully thank the many listeners who over the past five years have supported me and DX Corner. I especially place on record my sincere gratitude to the many friends I have made with regular correspondents to DX Corner. The gifts, cards and personal greetings to myself and my family will always be remembered. The co-operation received from NASWA and its members has been extremely rewarding. Those friends who would like to continue correspondence can reach me at P O Box 24, Plumstead 7800, RSA. Cheerio and good luck to you all. Future correspondence to DX corner goes to P.M. Martins, P.O. Box 6, Honeydew 2040 ---

(Gerry Wood, 1/11) That was a shock. Though Gerry obviously accepts this short-notice termination as final, there's no reason we listeners have to. Gerry Wood's gentle, non-political voice has been one of R. RSA's greatest assets, and I think we should all write to Radio RSA, Box 4559, Johannesburg, urging them to bring back Gerry Wood! This is not meant to be a criticism of his sudden successor (gh)

**SRI LANKA** SLBC has offered "Radio Monitors International" an additional 15 minutes each week, which will be called "Window on the World". The expanded segment will include contributions from other stations' DX programs. One of these, once a month, will be RCI's DX Digest (Ian McFarland)

**SWEDEN LN-14**

**UKOGBANI** BBC has begun a DX pgm during its Serbo-Croatian service, which is Sat 1730-1815 in the 19, 25, 31 and 41m bands. The 7 minute DX pgm begins at 1800, and seems to be the only program of its type in the S-C language (Josip Tomasic, Yugoslavia, SCDX 17/10) Not at all -- Latest Voice of TURKEY sked shows one on Mons between 1630 and 1700 on 2720 (gh)

**U S A** Those of you who can receive 100 kW WUOT(FM) on 91900 kHz are invited to listen to my "SHORTWAVE REVIEW" program, which includes both DX- and SWL-oriented items. Taped excerpts from broadcasts, etc., designed to be understood by the non-DXer. It ends Saturdays at 1800 GMT; start time varies depending on length of preceding program, usually between 1730 and 1745. From time to time excerpts from Austrian SW Panorama are included, as supplied by Jonathan Marks, since direct reception of that program on SW is unreliable. SHORTWAVE REVIEW is also available without charge to other radio stations on a non-commercial basis. If you are associated with a station which would like to carry it, please contact me; or, you could urge your local public radio station to inquire about it. Thanks-- (gh)

I would like to start a weekly DX NEWS on WRBB-91.7 Boston. With people from all over the world continuing their education in the colleges of Boston, there could be no better place to spark an interest in DXing (Bruce A. Conti, MA, NRC DX News)

**U S S R** RM DX Club is now on Thurs at 1935, Repeat Sun 1935 (BBC MS, Keith Harris, England, SCDX 7/11) see also R. Viking, LN-10

## LAST-MINUTE ITEMS

**ANDORRA** (Cf LN-4) Swedish pgm to start w/normal sked Sun 2000-2100 on 6215 as of 5/11 under name of "Radio

Scandinavia" (R. Viking DX World; Carol Feil, SW News Nov)

<b>AUSTRALIA</b> R. Australia Gen'l Svc in EG D78:	11820 21-23½	9670 06½-10	7240 12½-20½
21740 01-03½	17795 22-24	15240 22½-07½	11800 18-20
21680 00-09½	17725 01½-10	15160 21-24	11790 21-23
21570 08-10	15410 22½-03	01-05	06-07
21535 04-05	15355 23½-05½	06-07	10-12
06-06½	15320 04-05	11880 11-13	11740 07-09
17890 22-06	06-09½	14-17½	11725 19-21½
17870 01½-10	15260 04-05	11865 15-17½	11705 10-15
17795 01-05	06-06½	11855 19-22	9770 10-17½
			9505 18-20½

**BULGARIA** R. Sofia hrd on 24640, 4 x 6160 9/9 in Albanian, S-C 1510-1535 (Relvas, Port., SWN)

**CANADA** For D78 some changes in EG blocks on CBC NS: **Mon-Fri:** 1128-1200, 1210-1255, 1300-1313, 1413-1600, 1900-1930, 2300-2330. **Tue-Sat GMT:** 0000-0300, 0400-0607. **Sat:** 1128-1200, 1205-1300, 1410-1805, 2100-2205, 2315-0200 **Sun:** 0400-0607, 1205-1700, 1805-2000, 2100-2400; **Mon:** 0100-0300, 0330-0607 (CBC NS sked) (Cf LN-11) Some more CBC pgm highlights via NS: **THE HOUND OF THE BASKERVILLES** is read in 15 instalments on NIGHTCAP, Tue-Sat at 0443 GMT beginning 5/12. On 10/12 **ROYAL CANADIAN AIR FARCE** at 1805 replays its very first show on its fifth anniversary. **IDENTITIES**, 11/12 at 0105 deals with ethnic radio stations (CBC R. Guide) RCI is advertising for four Brazilian announcer-producer positions, salary \$15,450 to \$26,071 (Toronto Globe & Mail classifieds, via Tony Clift, Ont., 15/11)

**CHINA** R. Peking DS minority langs obs sked: **Kazakh** 0130-0225 15510 11600; 1400-1455 11040 9920, both relayed by Urumchi 5440 4970. **Korean** 0400-0455 9920 8565; 1000-1055 & 2130-2225 8565 6430. **Mongolian** 2230-2325 7660 5915 relayed by Hailar 6080 3900; 0500-0555 9920 7010, relay by Silinghot 4953, Huhehot 4895 4068, Hailar 6080 3900, Tungsheng 6045; 1200-1255 7660 5915. **Tibetan** 2330-2425 15510 11000; 1100-1155 15510 11040 10960, Lhasa 9658 9490 4035; 0600-0655 Lhasa 9658 9490 4035. **Uighur** 0030-0125 15510 11600; 1300-1355 11040 9920, both relayed by Urumchi 7050 4110 (BBCMS 16/11)

ald W. Arrington, CA, 17/11)

**ETHIOPIA** VORE now providing good reception in EG 1500-1600 on 9615, first half better (Ger-/**HAITI** 4VEH may reactivate 3345 within the next year, and may also add a fq in 60 m band (Stewart West, 4VEH, via DSWCI Nov SW News)

**GERMANY EAST** below

**HUNGARY** R. Budapest EG to Nam applicable to 5/5/79: Tue-Sun 0200-0230 & daily 0300-0330 on 15220 11910 9833 9585 6105 6000; DX pgm Wed & Sat 0400-0415 on same exc. 6040, not 6000 (BI)

**GERMANY EAST** RBI D78 EG to Nam: 0100-0145 & 0230-0315 9730; 0330-0415 5955 6080 11890 (Mac)

**INDIA** Poona Univ testing new education strn as of 1230 9/10, over 40km radius on 71m (401 MHz) one of 16 freqs allotted (Hindu 12/10 via J. Krishnamurthy, IDXC1 Nov) Freq & wavelength do not jibe so I suppose could be 40.1, 4.1, or 0.41 MHz (gh) India is pushing for a longwave broadcast band there, at WARC, 150-285 kHz (ABU via The Mail, Madras, via B. Padaki, IDXC1) Frequent mixups at AIR Hyderabad: on 9/12, at 1600 4800 kHz relayed SLBC nx by mistake. Yet AIR considering setting up high power SW xmtr there or at Madras to relay Delhi (Sampath, ")

Sun 10/12 is "ATA Day" in SAs. DXers everywhere are invited to tune into chronohertz stn ATA on 5, 10, 15 MHz with anmt each quarter hour; special QSL for correct reports. 8 kW PEP, sked daily 0330-1430. Addr: ATA Special Project, National Physical Laboratory, Hillside Rd., New Delhi 110 012. R.p. in Indian stamps or IRCs appreciated (A. Peterson, Poona)

IVORY COAST noted on 9880 (2 x 4940) around 1200 in FR //7215 11920 (R. Johansson, DSWCI Nov)

LEBANON (Cf LN-7) V. of Lebanon anc'd that from 10/11 it had new strong xmtrs, with SW "6581" (actually 6550) "beamed to ME, Arab States, Af, Eu, two Ams" (BBC MS 16/11)

MALAGASY REP. RTVM sked per 26/7/78 letter: 0300-0600 2439 3288 5010 6135 7105; 0600-1300 3288 5010 6135 7105; 1300-2100 3288 6010 6135 7105 (J-J Bloch, Nov DSWCI SW News)

MALTA (Cf LN-7) Reason for pgm discontinuances is that in July one log-periodic antenna shorted and burned out causing severe damage to one SW xmtr at R. Mediterranean (Thomas Drescher, R. Viking DX World, via Nov DSWCI SW News)

MONTSERRAT Per recent DW letter, only xmtrs from here afe (all in GM): 11705 0600-0950, 11785 0400-0520, 11970 1200-1220 (Vaclav Korinek, RSA, Nov DSWCI SW News)

NETHERLANDS Because of all the work involved, and heavy mail load, RN Happy Station quit the multiple edition "Alfa, Bravo," etc. shows, at least until Feb, returning to pre-satellite format of live show to Eur at 0930, repeated at 1330; and pre-taped shows elsewhere, as are those in Spanish (Simon Hicks, Nov WDXC Contact)

OMAN BBC Masira sked to SAs: 6140 (ex 7275) 0000-0030 WS; 0030-0200 verns. 6195 0030-0230 (ex 7240), 11955 0230-0330. 17770 0900-1330 ES. 15310 0900-1515 WS. 11910 1330-1600 verns. Most likely WS at 0700-0815 will start from 1/1 (Alok Das Gupta, Nov IDXC DX Digest)

PORTUGAL AWR moving around 31m Sun 0900-1000 in EG, incl AWR DX pgm 0930--9665, then 9635. Keep looking for it along the 31m spectrum (Mike Barraclough, Nov WDXC Contact) RDP uses USB & LSB on 6185 and 11875; 6155 & 11925 are AM (Carlos Relvas de Assunção, DSWCI SW News)

SA'UDI ARABIA SABS hrd in EG 2130-2200 on 11855 (Allen De'an, WDXC Contact) Later than before? (gh) BSKSA Riyad DS in AR on 21505 1100-1600, 15060 0830-1600, ex-21590 & 9605. Also in SSB for this service on 13395 (BBC MS 16/11) 21505 messes up Sweden, but 21515 open! (gh)

SWEDEN Free distribution of SCDX scripts may have to be stopped due to financial problems, says a Swedish DX reporter (R. Moscow DX 29/10). (Cf Nov LN-6) The SPEEDX version was incorrect, but LN was right. However, we are no longer asking listeners to write the Foreign Ministry, but waiting-and-seeing until new legislation goes into effect in the Spring. The fall of the govt in which Karen Söder was F.M. had nothing to do with us or the white paper. R. Sweden is already funded by the Foreign Ministry and always has been (George Wood, SR)

SOUTH AFRICA Due to solar conditions, SABC has dropped 75m for DS. Now on 9560 in AF, 9680 EG, at 0420-2115; 9710 Springbok 0430-2200; All-nite SABC 2200-0300 on 3320 ex-3250; 4810 ex-3980; 4810 also carries Springbok 0300-0630, 1530-2200; rest of DS unchanged (R. RSA DX 19/11)

U S A VOA Dixon and Bethany are to be closed down in Sept 1979 (Chris Greenway, UK, SW News)

U S S R Yerevan has dropped FR segment in Armenian pgm to Eu Sun 0800-0900 on 15305, 12040. R. Leningrad ES in RS for Soviet fisherman now on 9590 5950 2230-2300 Fri only (BBCMS 16/11)

## PUBLICATIONS

World Radio-TV Handbook 1979 will be priced in US dollars at \$18, a little higher than official conversion rate for 88 Danish Kroner in anticipation of a further drop in value of the American dollar. We trust customers will understand why this is necessary (NL) Don Erickson is offering it for \$12 if ordered before 31/12, then \$14; payable to him, mark envelope WRTH 1979. 6059 Essex St., Riverside CA 92504

Programm-Journal new Austrian DX mag; Postfach 18, A-3105 Unter Radlberg for info (SCDX 7/11)

1978 SW Radio Log covering reception in E Australia of IAs 2000-30000 kHz and Africans 2000-5900 kHz hrd in 1978, 4 pages. 6 IRCs by Airmail to Nam & Eur; Same price for Longwave

Across the World by Adrian Peterson, interesting historical account of early use of LW BC; order both from ARDXC, Box 227, Box Hill, Victoria 3128, Australia (gh)

Popular Electronics is becoming far more easily available in UK, a month later than in US, but articles are fascinating. Except for Wireless World, aimed at industrial market, PE puts the UK radio hobby mags to shame (Jonathan Marks, UK) DX Listening Jan bumped for ads... (gh)

Communications World is going annual, not under, and the '79 issue will be out in a couple of months. Tnx to all the fine readers who've written worriedly wondering why they couldn't find the fall-winter '78 CW on the stands. You guys are the greatest and the decision to go from semi-annual to annual was not a readership problem, which too often is the case in the mag-world (Don Jensen, WI, 7/11)

Le Monde par les Ondes is a column I edit for L'Envol since 18/9, a bimonthly magazine distributed in 18,000 copies to western Quebec suburbs; promoting DX (Guy Marcotte, L'Onde)

Computer-plotted azimuthal outline maps centered on any location, or a less expensive do-it-yourself map; and list of 300 great circle distances and azimuths from you to SWBC sites, are available from DX Computer Service, 509 S. Main St., Lexington VA 24450, operated by NASWA member John Lackmann. Send SASE for price list. (gh)

South African SWL, xeroxed mag by SADX, P O Box 145, Milnerton 7405. Oct issue was 16 pages with usual sections. To Nam, R9.00 surface, R10.00 airmail; Eur R7.50, R9.00 for subs (gh)



# WHAT'S HAPPENING

Mac Leonhardt passed this on from John W. Creamer, who clipped this article about his friend and fellow-NASWA member, Louis Reno, of Atchison, KS. The rather lengthy article told the story of how Louis was twice wounded in France during World War I, in 1917, well before the Purple Heart medal was in existence. When the medal came to be in World War II, all previously wounded veterans became eligible for the award, but only recently did Louis receive the medal. The article goes on to say: "His hobby as ham radio operator has brought him more extensive recognition. He has been featured in several magazines with his extensive equipment and wall to wall communications with foreign operators. Reno has more than 135 cards and letters confirming his reception of broadcasts originating in that many different countries. Now, Reno may have another claim to fame. He's a long way from being the only soldier to be wounded twice in World War I, but he may have waited the longest for his Purple Heart."

## Purple Heart 60 Years Late



DK get-togethers are always newsworthy, as one can see by the "Barto's Bash" report in SWC last month—only YOURS doesn't necessarily have to be the event of the year at which everybody shows up, in order to be fun (or reportable here). Take for example those nuts in Southern Illinois who call themselves LEDX, the Little Egypt DK association. The word "association" is in lower case because they're just that: associated. A: organized club they're not. They had one official meeting and decided right away that they wanted to hold a DK expedition Sept. 30. They invited everyone they could get a hold of, hobbyists or not; they put up signs at the Radio Shack bulletin board, and every bulletin board in university buildings and laundromats and grocery stores. "ALL DAY EVENT" Well, they got to the picnic site early enough to have everything set up just right—5 am—under the shelter and away from the drizzle. They didn't realize that the DK-160's were on standby until a good while later when they were ready to fetch the toolboxes, but all in good time. Nobody else showed up anyway, but that didn't dim the virtuous spirits of the trio (Bob Harrison, Rob Gerardi, and myself) and good DK was to be had. Tuning oil (the type in pop-top cans) was polished off with gusto even though all but Bob had forgotten to pack decent lunches—and fresh batteries, and ...etc.—but our report stops here, folks, because Rob Gerardi got the rest of us side-tracked to the ham-bands. We took some pictures with Rob's camera, but he went on vacation before the prints could be sent in...

LOUIS RENO waited 60 years for this picture to be taken, as he was wounded twice during World War I and only last week received his Purple Heart, which he points out above. In the other hand is the case, which holds the bar and oak leaf cluster to the medal.—Globe photo.



In case you were wondering who those "wives at the outing trying to figure whose husband was nuttier" were in the SWC coverage of the Connecticut Cookout, here are four: Far corner; Bill Oliver's wife, Evelyn. Right; Sam Barto's wife Barbara. Foreground; Joe DiLeo's wife, Marylee. Left; Greg Peter's wife, Roz.

73 73's, Diane



• Editor: Myron Smith  
 36 Ogden Ctr. Rd., Spencerport, NY 14559

As you can see, Scoreboard takes on a new look this month. In a way it was a victim of it's own success. The column grew so large that it was either reduce the size, cut out DX news, or increase the size of FRENDX, which would drive postage up. So we decided to print only the basic information. You can continue to send the other info if you wish, and I will keep it up to date, and if some month we have extra room, we will use it. So here goes:

Asia						Asia					
Reporter/Location	C/H	C/V	CH	CV	Best	Reporter/Location	C/H	C/V	CH	CV	Best
1 James Young, Calif	222	207	--	--	-----	42 Hank Michalenka, RI	172	136	43	29	Thai Met
2 John Tuchscherer	220	--	62	--	-----	43 Al Cannon Jr, NC	171	146	33	27	Damascus
3 Irv Johnson, Calif	219	72	64	15	Ul Bator	44 Charles Wootten, Tk	169	140	49	38	Sanaa
4 Dan Henderson, MI	218	203	63	59	Kohima	45 Hadley Cress, Va	169	6	38	2	BBC Malsa
5 Sam Barto, Conn	216	206	63	59	Kuristan	46 Martin Foltz, Mich	167	111	--	--	-----
6 Ernie Behr, Ont	215	195	61	53	Ul Bator	47 David Sarrazin, Col	167	107	24	11	Jordan HS
7 Richard Pistek, IL	214	209	60	58	BFBS Sing	48 Wade Smith, Mass	164	95	--	--	-----
8 Bob Padula, Austl	214	206	--	--	-----	49 Troy Gover, Ill	163	133	38	27	Baku
9 Marlin Field, Mich	211	205	59	55	Kuwait	50 Robert Wiles, WVa	160	126	29	20	Brunei
10 Bill Sparks, Calif	211	205	62	58	Manchuko	51 Bob McCoy, Nebr	160	81	--	--	-----
11 Al Sizer, Conn	211	203	58	55	Denpasar	52 Neal Kolb, Fla	160	75	38	15	-----
12 Edward Shaw, Ky	210	199	62	57	Hong Kong	53 Jay Florian, Ill	159	100	--	--	-----
13 Alan Mayer, Ill	209	185	60	47	Bang Met	54 Terry Krueger, Fla	159	98	--	--	-----
14 Bill Whitacre, Mic	208	172	59	44	RRI Dili	55 Jerry Lineback, In	159	97	39	12	Uj Pandg
15 Ed Kusalik, Ont	206	180	--	--	-----	56 Jim Uerlings, Ore	153	11	34	2	-----
16 Paul Routenburg, Ont	206	168	--	--	-----	57 Andre Pineault, Qu	150	116	27	24	Bangldsh
17 Roger Legge, Va	204	177	53	41	Hong Kong	58 John Lackmann, Va	148	11	33	5	Afghanis
18 Al Garrou, Ill	204	150	58	36	VTVN	59 Michael Agner, NJ	146	79	23	13	Fuchow 2
19 Jerry Berg, Mass	203	197	56	53	Goa	60 Tom Overcamp, SC	145	122	27	22	Bang Met
20 Dan Robinson, DC	203	167	--	--	-----	61 Niel Wolfsh, Ont	144	100	25	18	Saudi Ar
21 Myron Smith, NY	201	164	55	37	Baku	62 Robert Smith, Ill	144	91	--	--	-----
22 Al Niblack, Ind	200	130	--	--	-----	63 Dan McCarthy, Fla	143	122	31	26	-----
23 Victor Jaar, Que	198	4	--	--	-----	64 Michael Salay, Chi	141	88	31	15	Kuwait
24 Alan Roth, NY	197	181	--	--	-----	65 Mitchell Taylor, Ga	141	82	--	--	-----
25 Gerald Bishop, Pa	196	147	50	34	JTY	66 Woody Seymour, NC	138	111	--	--	-----
26 Jim Fedor, Calif	196	126	--	--	-----	67 Greg Ravenhorst, NJ	138	100	--	--	-----
27 Al Miller, Ohio	195	175	55	47	Nepal	68 Ira Teitelbaum, Nj	137	132	--	--	Baku
28 Neal Perdue, Ala	192	55	54	12	Pakistan	69 Charley Hoffman, Pa	136	105	--	--	-----
29 Tom Gavaras, Minn	191	155	--	--	-----	70 James McClure, Ky	136	72	28	11	VOA Okin
30 Larry Abraham, Mic	188	144	49	29	Surakarta	71 Allan Courtney, Ky	136	51	--	--	-----
31 Joe DiLeo, Conn	187	166	49	39	Turk Met	72 Lauren Ware, Va	136	47	21	6	Philippn
32 Andy Robbins, Mich	182	129	45	27	-----	73 Steve Kennedy, Fla	133	87	--	--	-----
33 John Fisher, Ont	178	136	44	30	Madras	74 Mac Leonhardt, Ind	133	70	--	--	-----
34 Chris Lobdell, Mas	176	159	43	38	Qatar	75 Philip Wala, Calif	132	97	32	24	Bangldsh
35 Kent Willis, Ky	176	134	--	--	-----	76 Stephen Porter, Con	132	66	--	--	-----
36 John Sgrulleta, NY	175	175	--	--	-----	77 Conrad Richardson	132	3	23	--	-----
37 John Herkimer, NY	175	152	41	33	Afghanist	78 George Link, Calif	131	90	38	23	Sri Lanka
38 Steven D'Adolf, Mas	174	141	49	38	Ul Bator	79 Henry Lazarus, La	130	122	25	22	Pakistan
39 Ron Howard, Calif	173	147	44	35	NHK Osaka	80 Scott Newman, Ill	130	90	--	--	-----
40 Mike Hobbs, NC	173	104	43	22	Lebanon	81 Brian Alexander, Pa	130	65	25	12	Kuwait
41 Mike Ryan, Calif	172	153	--	--	DZ17	82 David D'Angelo, Pa	130	--	30	--	-----

Asia							Asia						
Reporter/Location	C/H	C/V	CH	CV	Best		Reporter/Location	C/H	C/V	CH	CV	Best	
83 Robert Fleck, Ill	128	100	--	--	-----		129 Hans Johnson, Tex	91	65	19	14	Tashkent	
84 Edward Pyatt, Pa	125	114	23	20	Bangldsh		130 James Mulvey, NY	90	75	--	--	-----	
85 Albert Muick, Pa	125	101	--	--	-----		131 Brett Saylor, Pa	89	50	14	9	Pyongyang	
86 Douglas Wicks, Pa	125	93	--	--	-----		132 Jeff O'Donnell, Pa	87	41	17	7	Singapore	
87 Brian Mooney, Ont	125	90	25	21	Bangldesh		133 Robert Wallace, Jap	86	62	--	--	-----	
88 Mike Hardester, Okw	124	114	32	28	AFNT Twar		134 Ken Kashiwabara, Cal	85	55	21	13	-----	
89 Adam Gaffin, Mass	123	79	23	12	VOA Okinal		135 Marjorie Burns, Ill	85	55	--	--	-----	
90 James Smallwood, Al	123	65	22	12	VOA Okinal		136 Mickey Delmage, Man	84	77	9	6	VOFC	
91 Larry Edelstein, NY	123	27	--	--	-----		137 John Sillings, NY	84	71	--	--	-----	
92 John Huniwell, NJ	121	103	--	--	-----		138 Robert Goss, Tex	84	60	15	9	VVietnam	
93 Werner Hoffman, Cal	121	101	--	--	-----		139 Jay Golden, Ill	84	57	--	--	-----	
94 Jeff Roth, Ohio	120	81	23	16	-----		140 Edward Stroh, Ill	83	64	15	10	Israel	
95 Dave Valko, Pa	120	77	24	13	BBC Mals		141 Arnold Lausevich, Ws	82	67	--	--	-----	
96 John Onken, Ill	120	77	--	--	-----		142 Tim Barany, Ill	82	63	--	--	-----	
97 Bill Bogel, Calif	120	---	24	--	-----		143 Chris Pygott, Ont	82	62	10	6	AIR	
98 David Snyder, NY	119	54	--	--	-----		144 Jackie Cole, Colo	81	56	--	--	-----	
99 Bill Reynolds, NY	118	58	--	--	-----		145 Robert Ward, NB	79	57	--	--	-----	
100 Peter Schpelliti	117	53	29	12	Baku		146 Bill Leal, Ont	78	53	--	--	-----	
101 Dave Twigg, Conn	114	78	--	--	-----		147 Greg Danylchenko, On	76	63	13	12	R Malaysia	
102 Ben Radcliff, Ill	111	65	30	11	FEN Japan		148 Rob Berezowski, Alt	75	53	--	--	-----	
103 Robert Viau, Que	110	96	22	19	Alma Ata		149 Lenny Saaf, Ill	75	25	--	--	-----	
104 Jay Hamilton, SC	110	78	--	--	-----		150 Chuck Self, Minn	74	58	--	--	-----	
105 Gerald Word, Ga	109	91	--	--	-----		151 Jim Green, Ala	73	60	--	--	-----	
106 Vladimir Cucura, Pa	109	51	20	11	VOFC		152 Chris Leithner, Tenn	72	52	9	7	FEBE	
107 Steve Shotola, Ill	108	75	13	7	-----		153 Roger Reini, Tex	71	34	9	5	NIRT	
108 Dan Morrisseau, Nebr	108	38	21	5	Jordan		154 Tony Capobianco, NY	69	53	--	--	-----	
109 Robert McIntosh, On	107	66	--	--	-----		155 Jim Doyle, Wisc	66	36	--	--	-----	
110 Gary Blasini, Alta	107	50	25	8	Singapore		156 Kevin McManus, BC	65	53	--	--	-----	
111 Tom Blossom, Ohio	106	93	25	20	Bangldesh		157 Ken Delong, Pa	64	56	6	2	Israel	
112 Rizal Baysa, Mich	106	66	--	--	-----		158 Daniel Conti Jr, NY	64	45	--	--	-----	
113 Timothy Noonan, Ws	105	71	16	11	AIR		159 Gerald Clark, Ind	61	37	--	--	-----	
114 Kevin Mikell, Ill	104	84	12	11	-----		160 Scott Blixt, Minn	60	42	--	--	-----	
115 Bruce Schoenfeld, Ct	104	71	--	--	-----		161 Joe Dias, Calif	59	45	--	--	-----	
116 Mildred Marshall	100	89	--	--	-----		162 John Hancock Jr, Cal	58	27	--	--	-----	
117 Frank Hermann, Ont	97	74	14	8	Kuwait		163 Joe Inhat Jr, Pa	55	47	--	--	-----	
118 Pete Grenier, Calif	97	68	16	12	Singapore		164 Chuck Neff, Ill	54	42	--	--	-----	
119 Rob Harrington, Colo	97	51	--	--	-----		165 Robert Zajda, Mass	54	34	5	4	Kuwait	
120 Richard Colgan, Tex	97	---	22	--	Sarawak		166 Thomas Kenny, NJ	54	25	3	2	Turkey	
121 Steven Szordone, Fl	96	45	--	--	-----		167 Dave Hascall, Ind	52	34	--	--	-----	
122 Ted Myszynski, Conn	96	43	--	--	-----		168 Tom Jeffrey, Ariz	52	21	--	--	-----	
123 David Greenes, Mass	96	21	21	5	Indonesia		169 Rita Vermetti, Kwajjn	51	43	13	12	Saudi Ar	
124 Charles George, Tex	95	67	--	--	-----		170 James Matthew, Vt	47	38	--	--	-----	
125 William Mann, Ont	94	80	11	9	Taiwan		171 Tom Lister, BC	46	28	--	--	-----	
126 Thomas Lebryk, NJ	94	58	--	--	-----		172 Lexington Smith, NY	45	23	--	--	-----	
127 Dale Bohlke, Minn	93	72	--	--	-----		173 Charles Dumont, Que	34	19	--	--	-----	
128 Mike Brooker, Ont	92	70	10	7	V Vietnam		174 Mike Colacave, Mass	33	25	--	--	-----	
							175 Richard Austin, Ky	17	7	2	1	Japan	

Hope it doesn't look too crowded. Any ideas for improving are welcomed. Next deadline is FEBRUARY 15, 1979. SPOTLIGHT is Europe. Remember you must update at least once a year.

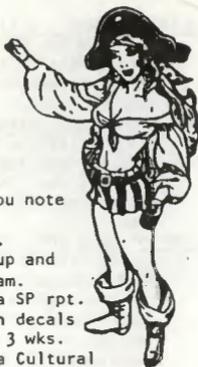
**HELPING HAND:** For sale. Listner 59 Antenna Coupler in good condition. Shipped in original box. \$30 includes UPS shipping. David Morck, 7921 Springer Street, Downey, CA 90242.

**HELPING HAND:** For sale. No reasonable offer refused. Drake SPR-4 receiver and FS-4 Synthesizer. Rx modified to use LSB filter in AM mode, allowing choice of 4.8 and 2.4 kHz bandwidth, a fast/slow/off 3-position AVC control, a noise blanker, a fine-tune notch control, and a BFO switch. Has installed a buffer and jack for connection to a Torrestronic Digital Readout. FS-4 eliminates all crystals permitting full coverage from 150 kHz to 30 MHz. Rx aligned and calibrated at Drake factory in September. FS-4 still under warranty. Retail value with mods is \$1,100.00. Manuals and original cartons. San Diego DXer's Club, 1826 Cypress Street, San Diego, CA 92154. Tel: (714) 429-9728.

**HELPING HAND:** For sale. 24 issues of SPEEDX, 18 issues of ASWLC, assorted SWL books, Receiver/Equipment literature and spec sheets, Drake 300HP High Pass Filter, and new Johnson Crank Spinner Knob for R-388 and similar receivers. \$27.00 postpaid. Andrew Pappas, 11421 South Maplewood Avenue, Chicago, IL 60655.

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

# QSL REPORT



- ALBANIA:** Radio Tirana 9750 cd. In 2 1/2 mo. (R. Miller). 7300 w/ thank you note in 2 1/2 mo. for an EG rpt. (O'Donnell).
- ALGERIA:** RTVA 15160 new f/d folder cd. In 2 mo. for a FR rpt. (Porter).
- ANTARCTICA:** AFAN 6012 usual pre printed cd. in 72 ds. after a follow up and an SASE. v/s Paul W. McQuillan. (Howard)...Very nice indeed!!!...Sam.
- ARGENTINA:** Radio Rivadavia LS5 9115 f/d "Two Owls" cd. in 10 mo. for a SP rpt. and 2 IRCs. v/s Jorge Falcone, Gerente Technico. Also rcvd. station decals (Tuchscherer)...First I've seen of this one...Sam. same for 5883 in 3 wks. for a SP rpt. and 5 decals for the HAP Auction! Addr: Radio Emisora Cultural S.A.C.I.F.I., Arenales 2467, Buenos Aires. (Barto). Radio El Mundo 15290 blue and white cd. in 5 mo. for a SP rpt. and ms. Bumper sticker also rcvd. v/s Amelia Ferreras, Jefe de Relaciones Publicas y Prensa. (Lazarus)...Tnx for the call Henry! RAE 9690 "Argentina 78" fotebol cd. in 23 ds. for EG rpt. and 1 IRC. (Clifford).
- ARMENIA:** Radio Yerevan 15405 and 15185 f/d small white cd. in 10 wks. for EG rpt. (Klein).
- ASTATIC RUSSIA:** Radio Moscow via Nikolayevsk-on-Amur in 42 ds. (Farrell). via Kenga on 11965 in 42 ds. (E. Farrell).
- AUSTRALIA:** Radio Australia 17795, 15160, 11825 and on 9580 w/ "Fringe Lily", "Kangaroo!", "White Flowering Mallee Gum" and "Melbourne" cds. respectively in 120 ds. (Cucura). 5995 via Lyndhurst in 1 mo. for 1 IRC w/ "Melbourne" cd. (Margritz). 17795 via Shepparton in 62 ds. w/ "Kangaroo" cd. (M. Harris). VLW9 9610 f/d "Map" cd. in 34 ds. for 1 IRC. (R. Jordan). VNG 7500 f/d folder cd. in 1 mo. (O'Donnell).
- AUSTRIA:** ORF 9770 f/d "Adam" cd. in 27 ds. for 1 IRC. ell) and an EG rpt. Sked and rpt. forms rcvd. (Fraser).
- BELGIUM:** RTB 9760 cd. in 2 mo. (Morck). 6080 blue cd. in 43 ds for a Gilfer rpt. (Gauthier).
- BONAIRE:** Radio Nederlands 9590 gold "Happy Station" cd. in 13 wks. and on 6165 w/ "Satellite" cd. (Clark). 6165 w/ "Costume" cd. in 3 mo. (O'Riordan). same w/ bumper sticker in 2 mo. (O'Donnell). 9590 in 30 ds. w/ a new jumbo 6x8" cd. w/ #1402 on my cd. v/s Rosemarie. (Byron).
- BORNEO (Kalimantan):** RRI Palangkaraya 3325 prepared cd. w/ f/d ltr. for an IN rpt. and ms. in 1 mo. v/s Magrib Suparman. (Sparks)...Great verification...Sam.
- BRASIL:** Radio Bandeirantes 9645 f/d ltr. in 10 mo. for a PT rpt. Also rcvd. an orange pennant. (Pyatt). Radio Relogio Federal 4905 f/d cd. via a friend of mine in Brasil in 18 wks. for an EG rpt. v/s Otto Silveira, Asst. Technician. (Howard). same in 1 mo. for a PT rpt Addr: Av. Presidente Vargas, 417-A, 18 andar, Rio de Janeiro, RJ, ZC 00 CEP 20.000 (Barto). Radio Nacional de Brasilia 9665 and 11780 f/d white cd in 3 wks. for a PT rpt. (Barto). Radio Difusora de Amazonas 4805 w/ post cd. in 3 wks. (Barto).



## Radio Piratinga

LA VOZ DEL TRNGO

**NEN**

FIGHT FOR FREE  
RADIO AND  
FREE FINLAND!

**OSL**



**BULGARIA:** Radio Sofia  
15330 f/d cd. In 146  
ds. (E. Farrell). 15135  
f/d "Grand Hotel" cd.  
In 68 ds. (Sears).

**CAMEROON:** Radio Garoua  
5010 f/d ltr. In 5 mo.  
for a FR rpt. and 2  
IRCs. v/s Eboo Zame M,  
Service Technique. (Pr-  
isco).

**CANADA:** CKFX 6080 Vancou-  
ver, BC. ltr. in 52 ds  
v/s Tom Peacock, Pgm.  
Director. Station uses  
only 10 watts!!! (Rav-  
enhorst). Very fine  
QSL!!! Sam. CFCF 6005  
cd. in 16 ds. (D'Angelo)  
CHU 3330 "Fleming" cd.  
In 2 wks. (Levin).

**CHAD:** RNT 4904.5 f/d cd.  
In 1 mo. (Barto).

**CHINA:** Radio Peking 7120  
f/d cd. In 21 ds. (Py-  
att). 15060 in 3 wks.  
Also rcvd. lapel badge  
(Matthews). 15065 in 29  
ds. w/ a beautiful Yao  
Mountain - Scissor cut  
by Chen Yung-tsai. (Byr-  
on). 11650 w/ f/d cd. in 28 ds. (Withers). 17680 in 22 ds. for a Gilfer rpt. (Gauthier);

**COLOMBIA:** Radio Melodia 6140 ltr. and decal in 6 mo. for a SP rpt. and ms. v/s Elvira Mejia  
de Paez, Gerente. (Sparks). Radio Super 4875 cd. in 1 mo. for a SP rpt. (Barto). La Voz  
del Llano 6115 f/d ltr. in 2 mo. for a SP rpt. v/s Jairo E. Cifuentes, Dir. General (Py-  
COSTA RICA: Radio Universidad de Costa Rica 6098 cd. and ltr. in 2 mo. for a SP rpt. att).

and ms. v/s Jose Tasies Solis, Director. (Lazarus).  
**CUBA:** Radio Havana 17855 f/d cd. in 3 mo. w/ pennant and large posters. (Prisco).  
**CZECHOSLOVAKIA:** OMA 3175 f/d "Astronomical Institute" cd. in 1 mo. (D'Angelo). Radio Prague  
f/d "Castle" cd. in 11 wks. v/s Pavikova. (R. Jordan). 7345 in 102 ds. w/ f/d "Tatra"  
mountain cd. v/s Paul Renee. (Byron). same in 104 ds. (Fraser).

**DENMARK:** Radio Denmark 15165 f/d "Radiohouse" cd. in only 12 ds! (Klein). same in 3 wks. for  
an EG rpt. v/s B. Baug. (R. Jordan).

**DOMINICAN REP:** Radio Mil 4930 f/d ltr. in 30 ds. for a SP rpt. and ms. v/s Julio Castillo  
Jimenez, Departamento de Relaciones Internacionales. (Pyatt)... Haven't seen all that many  
of these QSLs!... Sam. RTVD 9505 ltr. in 1 mo. for a SP rpt. and 2 IRCS. v/s J. A. Bruno  
Pimentel, Director. (Prisco). same for 17925 (3 x 5975) in 5 wks. for a SP rpt. (Barto).

**ECUADOR:** Radio Iris 3380 ltr. in 22 ds. for a SP rpt. and ms. (Hoffman). Radio Quito 4920  
blue and white folder cd. in 1 1/2 mo. for 2 IRCS.  
(O'Donnell). HCJB 9560 f/d "Andes Agricultural"  
cd. in 1 mo. w/ a paper yellow and black pennant.  
(Prisco). 9745 in 24 ds. w/ f/d "Western Plains  
Coffee Harvest" cd. (Withers).

**ENGLAND:** BBC 9410 cd. in 19 ds. for 1 IRC. (Labossiere)

**EUROPEAN RUSSIA:** Radio Moscow via Moscow on 9600 and  
7290 in 1 mo. (Klein). 11720 in 43 ds. w/ f/d  
"Towers" cd. (Levin). via Moscow on 9530 and 9600  
and via Tula on 7250 in 1 mo. w/ red pennant (Pr-  
isco). Rcvd. a flag pennant, red pennant and three  
different station stickers in a surprise package!  
Guess I better renew my "USSR Today" subscription.  
...Sam.

**NOTE:** Too late to get into another section but it is re-  
ported that Radio Milano International is testing  
on 6130 kc/s with 350 watts. Times not known.

# RADIO MERCURY

## INTERNATIONAL



*This station sent  
along some beautiful  
black and gold decals  
of which some are to  
be included in the  
next HAP Auction!!!*

## LS5 RADIO RIVADAVIA

630 KHz. AM - 103.1 Mhz. FM

Confirmamos su recepción

Frecuencia: 5,383 KHz

Fecha: 24-06-1978

Hora: 22.20 Argentina

Agradecemos la gentileza que ha tenido en comunicarnos la  
recepción de nuestra emisora

Un fraternal abrazo



## Skyport Radio



**FINLAND:** Radio Finland 15265 "Taplola Gardens" cd. In 19 ds. (Grenler). 11800 cd. in 1 mo. (O'Donnell).  
**FRANCE:** RFI 17720 f/d "La Tour Eiffel" cd. in 66 ds. (Withers).  
**GERMAN DEM. REP:** RFI 9730 f/d cd. In 42 ds. w/ sticker. (O'Donnell).  
**GHANA:** GBC 6130 cd. in 7 mo. (Morck). 4915 f/d cd. in 37 ds. (Cucura). same in 9 mo. for 1 IRC. (O'Riordan). In 55 ds. for ms. (Levin).  
**GREECE:** Voice of Greece 11730 f/d ltr. In 40 ds. (Clark). VOA Kavala 5955 f/d "Scene" cd. in 14 ds. (Prisco).

# RADIO DOLBY INTERNATIONAL

The Voice of the Voyageur cartoon was taken from this card.



**QSL 100%** **73's!** **tnx!**

This is Radio.....  
 Oooops!!!  
 Here comes the mudhead!



**GUAM:** KTWR 17855 f/d "Antenna and Transmitter Site" cd. In 50 ds. for ms. (Levin). same in 21 ds. for ms. v/s S. Roessner. (Bryant).  
**GUATEMALA:** Radio Nacional IGW 6180 picture post card in 3 mo. for a SP rpt. v/s R. Chenal L. SubDirector. (Klein)...Tnx for the telephone call. Hope you get the other two!...Sam. er).  
**TGNA** 3300 f/d "Quetzal" cd. In 25 ds. for an EG rpt. and 1 IRC. v/s Wayne Berger (R. Mill-HONDURAS: HRVC 4820 f/d cd. in 1 mo. for 2 IRCS. (O'Donnell). same "Map" cd. in 117 ds. for an EG rpt. and 1 IRC. v/s Miss Ines Alvarado A. (Eastman).  
**HUNGARY:** Radio Budapest 15225 f/d yellow cd. and pennant in 10 wks. (R. Jordan). same in 1 1/2 mo. along w/ a "Radio Budapest Banner" for rpt. on 11910. (O'Donnell).  
**ICELAND:** Voice of Iceland 12175 f/d "Map" cd. In 1 mo. for an EG rpt. and 1 IRC. (Prisco).  
**INDIA:** All India Radio 11810 f/d "Diwan-i-Am Fort" cd. in 102 ds. (Eastman). same in 6 1/2 mo. for ms. (Levin). 9525 w/ f/d "Taj Mahal" cd. in 6 mo. for 3 IRCS. (Prisco). same in 1 yr. & 5 ds. for an EG rpt. (Porter).  
**IRAN:** Voice of Iran 15084 f/d "Bandar Abbas TV" cd. in 3 mo. w/ station pennant. (Margritz). same in 28 ds. w/ pennant. All for 1 IRC. (Dawson).  
**IRAQ:** Radio Baghdad 9745 "Map" cd. In 2 mo. (Barto).  
**ISRAEL:** IBA 9815 f/d "Declaration of Independence" cd. in 25 ds. (Fraser). same cd. in 40 ds. for 15485. (Levin). same for 15485 in 45 ds. (Withers). 9815 w/ f/d "Western Wall" cd. in 52 ds. (Mears). same cd. for 15485 and for 9435 in 6 wks. (Matthews).  
**JAPAN:** Radio Japan 17825 f/d "Hakata Dolls" cd. in 25 ds. for 1 IRC. (E. Farrell). same cd. for 21640 in 14 ds. (Clifford). same freq. w/ "Straw Horse" cd. in 17 ds. (Schmidt). same cd. for 17825 in 13 ds. (Withers). 17825 w/ f/d "Water Lilies" cd. in 17 ds. (Eastman). same cd. for 9505 in 3 wks. (Matthews). "Pagoda" cd. for same freq. in 30 ds. (Pyatt). 21640 in 29 ds. w/ "Straw Horse" cd. (Byron).

SUPPORT  
 NASWA &  
 FRENDX

**QSL**



THANKS FOR YOUR REPORT



JAVA: Radio Gelora Surabaya (Kotamadya Surabaya)  
 3164 EG ltr. and postcard w/ EG message along w/ a station fact sheet and a f/d prepared cd. In 4 wks. after a follow up. v/s Dr. Indiarto & the announcer for the EG Service Hassan Ahmad. (The English program is on Mondays from 1530-1700 GMT).  
 Addr: Jalan Tambaksari, Surabaya. (Sparks).



This station is very political in its broadcasting format.

Thanks for the excellent report...Sam. Voice of Indonesia 11790 "Wayang Kulit" cd. in 99 ds. for an EG rpt. and 3 IRCs. Travel brochures also rcvd. (Grenier).

KUWAIT: Radio Kuwait 12085 f/d folder cd. in 5 mo. v/s Jawad Al-Mazeedi, Chief Engineer. (Margritz). same in 5 mo. (D'Angelo). Rcvd. a flag pennant w/ more promised for the next HAP Auction...Sam.

LIBERIA: ELWA 11860 f/d "Native Drummer" cd. In 7 mo. for 1 IRC. (Margritz).

MALAGASY REP: Radio Nederland 11740 "Dutch Costumes" cd. In 14 ds. (Toope).

MALAYSIA: Voice of Malaysia 15295 f/d cd. in 3 mo. (McGunnyey). Sked rcvd. along w/ a beautiful white and aqua-marine pennant w/ plenty of frill on it. More coming for HAP...Sam.

MALTA: Xandir Malta 5990 f/d form ltr. in 8 mo. v/s Victor Aquilina. (Bryant).

MEXICO: XEROX Radio Duplicado 6175 ltr. rcvd. from Samuel Sabe Nada

In 3 wks. after 8 attempts. This station was active in 1967. Addr:

Apt. Aereo 1174, Mexico DF. (Morck)...Very nice catch...Sam.

XERMX Radio Mexico 15385 ltr. and pennant in 58 ds. for an EG

rpt. and 1 IRC. (name please). same in 56 ds. w/ pennant for US

stamps and 1 IRC. v/s Luis Reyes de la Maza, Director of Radio

and TV. (Clifford). Rcvd. 125 XERMX pennants for the next HAP

Auction from the station. They are designing a new one...Sam.

MONACO: TWR 7105 f/d "World Map" cd. in 22 ds. for 2 IRCs. (Cucura).

NEW CALEDONIA: FR3 7170 blue and white form ltr. in 9 mo. for a FR

rpt. and ms. (Lazarus).

NEW ZEALAND: Radio New Zealand 6105 f/d "30th Anniversary" cd. in

16 ds. for 2 IRCs. Mine was #115. (Withers). same cd. for 6105 in

15 ds. for 1 IRC. # 131. (Clark). 9620 in 2 wks. w/ pennant. Mine

was # 49. (Matthews). 17860 w/ same cd. in 5 wks. w/ pennant. (Barto).

17710 w/ "Fishing"

cd. in 31 ds.

(Toope). 15130 in

3 1/2 mo. w/ "Water-

fall" cd. (D'Angelo).

same in 3 mo

for 2 IRCs. (Mc-

Klincy).

RADIO DOLBY



# RADIO = HAWAII

## QSL

P.O. BOX 25  
 EMMERCOMPASCUUM FOR  
 NETHERLANDS

DATE  
 FREQ  
 TIME TO GMT  
 SIN PO



# DUTCH - PIRATSTATION



**NICARAGUA:** Radio Nacional de Nicaragua 5950 friendly ltr. about the station was rcvd. in 1 mo. for a SP rpt. and 1 IRC. from Orlando Mezallira, Director General. Station is printing pennants. (Klein).

**NIGERIA:** Radio TV Kaduna 6090 f/d "Station Emblem" cd. in 35 ds. for an EG rpt. and 1 IRC. v/s Jimmy K. Hassan, Chief Engineer. (Sears). Voice of Nigeria 11770 f/d green and white cd. in 6 wks. (R. Jordan).

**NORWAY:** Radio Norway LLJ9 17795 f/d "Mountain Flora" cd. in 58 ds. for a Gilfer rpt. form. (Gauthier). 9610 w/ f/d "Flora" cd. in 40 ds.

Keep the reports coming into the column.

# RADIO VALLERI INTERNATIONAL

RVI has 2 pennants one red & one yellow.

w/ small Norwegian flag. (O'Donnell). same in 17 ds. for 1 IRC. (Labossiere).

**PAKISTAN:** Radio Pakistan 17830 "Greetings from Pakistan" cd. in 21 ds. for an EG rpt. and 1 IRC. (Dawson). 15520 in 3 wks. w/ color postcard of the "Royal Fort at Lahore". (Abraham).

**PERU:** Radio Victoria 6020 cd. w/ no data in 83 ds. for 1 IRC. (Morck).

**PHILIPPINES:** VOA Tinang 11930 f/d cd. in 8 ds. v/s Monica Reyes. (Prisco).

**POLAND:** Polskie Radio 9675 f/d cd. in 4 mo. (McKinney). 15120 w/ f/d "Warsaw Royal Castle" cd. in 2 1/2 mo. (Levin). same in 32 ds. w/ sked and other info. (R. Jordan).

**PORTUGAL:** Radio Japan 17820 via Sines w/ a special cd. in only 9 ds! See what the postal service can do when it wants to. (Clark).

**QATAR:** Radio Doha 9570 "Map" cd. in 5 mo. (Morck).

**SAUDI ARABIA:** BSKSA 11855 via Riyadh f/d "Logo" cd. in 65 ds. for ms. QSL arrived via registered mail. (Levin).

**SIERRA LEONE:** Sierra Leone Broadcasting Service 5980 f/d ltr. in 47 ds. for an EG rpt. and 2 IRCS. (Withers).

**SINGAPORE:** Radio Singapore 11940 f/d "Singapore by Night" cd. in 34 ds. for an EG rpt. and 3 IRCS. (Hartsell). same in 127 ds. for 1 IRC. (Eastman). same in 90 ds. for 3 IRCS. (Grenier).

Next month we will probably run only 9 pages as the DX season really gets into full swing. Keep the reports coming in for the column....Sam.



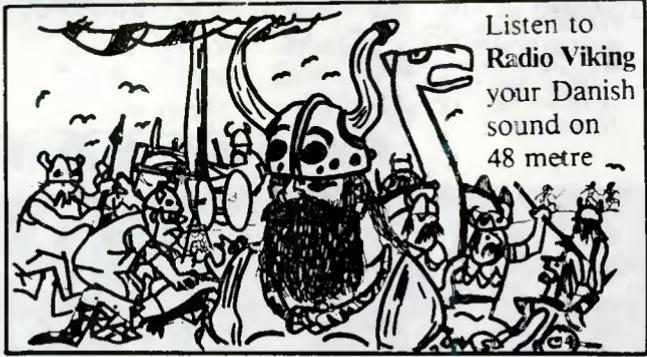
Sunday is GEM day

Radio Gemini  
6 FARM WAY  
BUSHEY  
WATFORD  
HERTS.  
ENGLAND



### ADDRESSES

Recently received a letter from Mr. Gary Orloff of Kingston, NY. He would like to see more addresses of some of the stations listed in the column. As a rule we usually only print those addresses of stations which are new, recent changes and from some of the harder to QSL. The WRTVH has most of the station addresses and is well worth the price. What do some of our other members think about this?

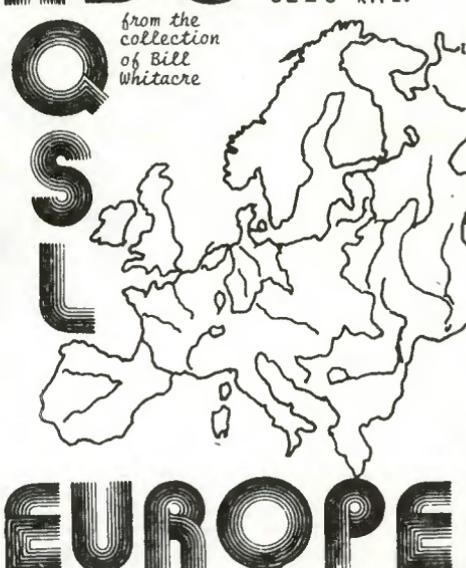




**Radio  
Verte  
Fessenheim**

Gilles GAY  
Bat. B, rue des Tulipes  
67150 GERSTHEIM  
FRANCE

**ABC** 6220 kHz.  
from the  
collection  
of Bill  
Whitacre



**Q  
S  
L  
EUROPE**

**SOUTH AFRICA:** Radio RSA 9585 f/d "Ma-  
achite Klingfisher" cd. in 2 mo.  
(McKinney). same cd. for 11900 in  
25 ds. for ms. w/ station pennant.  
(Levin). Springbok Radio 3980 f/d  
"Industries" cd. in 19 ds. for 1  
IRC. (R. Jordan). ZUO 5000 f/d ltr.  
in 22 ds. for 1 IRC. v/s R. Lake.  
(E. Farrell)...Nice QSL...Sam.

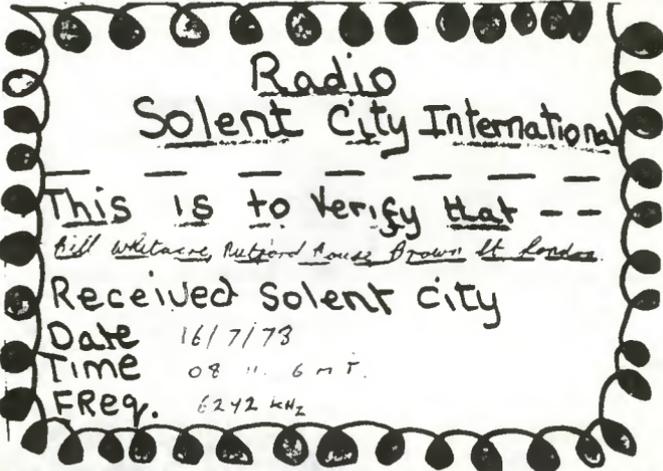
**SPAIN:** Radio Exterior de Espana 9630  
cd., sked and brochures in 4 mo.  
(Joseph). same freq. w/ "Balears"  
cd. In 25 ds. (Withers). 11880 w/  
f/d "Casares (Malaga)" cd. in 72  
ds. (Eastman). same in 62 ds. w/  
f/d cd. of "Sevilla" (Gauthier).

**SRI LANKA:** SLBC 15425 f/d cd. in 91 ds  
for an EG rpt. and 1 IRC. v/s J. A.  
Heath. (Orenstein). same in 51 ds. Finally bagged this one after a year and a half and 3  
reports! (Bryant). VOA Colombo 15185 f/d cd. in 7 ds. (Prisco). 11935 in 7 ds. (E. Farrell).

**SWAZILAND:** Swazi Music  
Radio 4980 "Warrior"  
cd. in 7 wks. for an  
EG rpt. and 1 IRC.  
v/s Bill Cookson,  
Chief Engineer. This  
was a follow up on a  
75 reception. (Over-  
camp).

**SWEDEN:** Radio Sweden  
11705 f/d "Linne  
Stamp" cd. in 22 ds.  
(Withers). 17790 w/  
same f/d cd. in 23  
ds. v/s Gunilla Gin-  
Man. (Fraser).

**SWITZERLAND:** SBC 6165  
f/d cd. via the Sch-  
warzenburg site in 7  
wks. v/s M. Chisholm  
(Klein). 9535 f/d cd.  
in 18 ds. for 1 IRC.  
(Labossiere).



**Radio  
Solent City International**

**This is to verify that --**  
*Bill Whitacre, Puttford House, Brown St, London.*

**Received Solent City**  
Date 16/7/73  
Time 08 11 6 m.t.  
Freq. 6242 kHz

# SKYPORT RADIO

EVERY SUNDAY ON THE EUROPEAN SHORT WAVE BANDS

SUPPORT NASWA AND  
FRENCH and keep the  
reports coming in to  
the column.



**TAHITI:** FR3 11825 f/d "Vahini" cd. in 89 ds for a Gilfer rpt. (D. Johnson). same in 23 ds. for an EG rpt. and 1 IRC. (R. Miller) 15170 same f/d cd. in 21 ds. for an EG rpt. and 1 IRC. (O'Riordan).

**TAIWAN:** Voice of Free China 11860 f/d cd. depicting "Horses" in 3 wks. Station sent along a paper flag and a pennant. (Matthews). same cd. in 39 ds. for 17890. Station enclosed 2 paper pennants, stick pin and a key chain. (Clark) 11745 same f/d cd. in 3 wks. for an EG rpt. and 3 IRCs. Pennant, flag and a cassette was rcvd. (Matthews).

**TANGIER:** VOA Tangier 15205 f/d cd. in 9 ds. (Levin). 7295 in 7 ds. v/s Monica Reyes. (Cucura).

**THAILAND:** Radio Thailand 9655 f/d cd. in 100 ds. v/s Ranyond Sakornpan. VIC #66 (Porter). \*

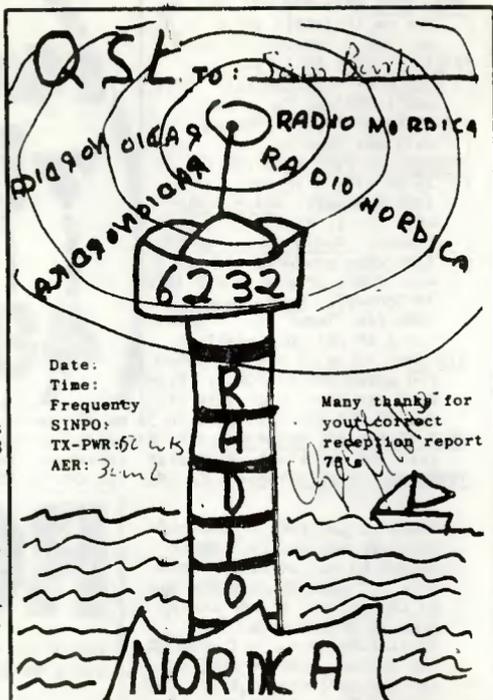
**TUNISIA:** RTVT 15225 f/d cd. in 29 ds. for an EG rpt. and 1 IRC. (R. Jordan).

**TURKEY:** Voice of Turkey 7170 f/d "Love and Peace in Turkish Humor" cd. in 33 ds. "Sunshine Radio" pennant was also rcvd. (Eastman). Frank Wheeler was last months contributor under Turkey. Frank also rcvd. the new Turkish pennant. (Wheeler).

**UGANDA:** UBC 15325 f/d ltr. in 5 mo. v/s Cosma Warugaba. (Prisco). same in 44 ds. (Stauner). same in 140 ds. for 2 IRCs. (Byron). same in 4 mo. w/ station booklet. (Porter). in 2½ mo. w/ same ltr. (D'Angelo). in 124 ds. for a Gilfer rpt. (Colacarro). in 110 ds. (Clark).

**UKRANIAN SSR:** Radio Kiev 9600 f/d "View of the Dnieper River" cd. in 2½ mo. (Matthews). Radio Moscow via Ivano-Frankovsk on 9665 in 31 ds. (E. Farrell). same in 1 mo. (Prisco). via Vinnitsa on 9765 in 1 mo. (Prisco). 11730 w/ same site in 1 mo. (Klein). via Lvov on 9700 and on 11750 in 1 mo. (Klein).

**USSR:** Radio Moscow f/d cd. in 3 wk (Matthews). 11720 f/d "Forest Scene" cd. in 30 ds. (Withers). Radio Station Peace and Progress 15425 f/d cd. in 27 ds. (R. Jordan). Radio Magellanes 12020 f/d cd. in 9 wk (Clark)



Date:  
Time:  
Frequency  
SINPO:  
TX-PWR: 6L w/s  
AER: 3w/6

Many thanks for  
your correct  
reception report  
7/8/78



USA: KGEI 9615 f/d cd. in 1 mo. for ms. (Prisco). 15280 in 34 ds. for 2 IRCs. (R. Jordan).

VATICAN CITY: Radio Vatican 17900 f/d "Transmitter" site cd. in 82 ds. for 1 IRC. (Clifford). 6210 "Antenna" cd in 3 wks. (Barto).

VENEZUELA: YVTO 6100 f/d cd. in 25 ds. For a SP rpt. and 1 IRC. (Stauner). Radio Rumbos 4970 cd. in 1 mo. for 1 IRC. (Morck). Radio Universo 4880 f/d green and white cd. in 3 wks. for a SP rpt. and 2 IRCs (O'Donnell). Radio Juventud 4900 f/d "Teen" cd. in 3 mo. for a SP rpt. (O'Donnell).

VIETNAM: Voice of Vietnam 10040 f/d paper cd. in 100 ds. Pen-

nant was also rcvd. This is my VIC #50. (Levin). same in 3½ mo. (Prisco).

WEST IRIAN: RRI Manokwari 6185 prepared cd. completed w/ f/d was rcvd. in 1 mo. for an IN rpt. and ms. v/s R. Nurhadati. (Sparks)...Very Nice...Sam.

YUGOSLAVIA: Radio Yugoslavia 9620 f/d cd. in 50 ds. for an EG rpt. ms. and 1 IRC. (Levin).



That's it for this time around gang. We had a rather small column by our previous standards but this is probably due to the season. Things should pick up pretty soon.

We finished our first year at the column. I would like to ask you what was your favorite column? The one from Brasil and last months from Europe seem to rate pretty high on a lot of peoples lists.

I'm thinking about adding your state to your name as several people have the same last name. This will probably solve a few problems. Next month will be a mixture of QSLs. Many of the ones that you have been submitting to me will be used.

Good luck with the coming year and may each and every one of you and all the people who have written to me with your suggestions and criticisms have a very Merry Christmas.

Merry Christmas

*Sam*

# RGN

6240 ON THE 49 METRE  
SHORT WAVE BAND

CHRISTMAS RADIO

THANK YOU FOR YOUR REPORT DATED  
WHICH WE ARE PLEASED TO VERIFY

### STATION DETAILS

POWER INPUT 200w ..... POWER OUTPUT 150w .....



# update

December 1978\*\*\*Number 32

Tom Alleman  
615 W. 43rd Terr., Apt. 6  
Kansas City, MO 64111 USA

(816) 931-5943 0030-0400 GMT

UPCOMING DEADLINES: 10 December (Mid-Dec) 20 December (Jan) 12 January (Mid-Jan)

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

ANDORRA R. Scandinavia testing via R. Andorra, 6215, at 2021+. First noted w' Pats Domino and "Blueberry Hill" and ID: "R. Scandinavia is the only commercial stn b'casting to Sweden, Norway and Denmark. This is R. Scandinavia w/ a test tx over R. Andorra." Stated that QSLs would be available. Test ended 2100, then into SP to sudden 2203\*. (Roger DeRoy, ME; 11-7) R. Scandinavia also noted via R. Andorra on 6215 at 2136 8 November (local and GMT Weds--not listed Thurs). Test tx messages w/ address, phone number, sonovox and pops to 2200. Then, relay of R. Andorra SP MW service to 2300\* w/ M & W anncrs and SP/EG pops. (Bill Whitacre, MICH)

ANGOLA R. Nac., 3375, in PT, FR, and EG 0427-0450; positive "R. Nac." ID 0429, then talks in several langs on African revolution. Several EG revolutionary slogans, too: e.g., "Afr people on the move, revolutionary men and women with gun in hand, they take their place to protect their land." (Ron Howard, CAL; 11-12)\*\*\* Whew! Love those revolutionary slogans. tba

BOTSWANA Gaberones, 4845, w/ barnyard sounds IS several evenings as early as 0343. Anthem and s/on 0358. (tba)

BRAZIL R. Cl. do Para, 4855, in PT 0855; one song and many, many ads. (Stu Klein, FLA)

CAMEROON Bertoua, 1750, finally noted 25 Oct 2135-2206\*; native and pop mx, W DJ between records. FR anncmts at 2200, EG nx by another M 2201-2203, piano mx, W w/ FR recorded s/off anncmts, NA and off. (Whitacre, MICH)

GHAD Ndjamana, 4904.5, in FR \*0428-0445; Balafon IS, NA, ID and into chants. (Gallagher, 10-25; HIC 100). \*\*\* Congrats, OM. tba

CHILE R. Univ. de Concepcion, 6135, in EG 1003; W w/ ID, address for stn info, and into SP. (Jack Jones, MISS; 11-8)

CHINA RP, 4905, in CH 2245+ 29 Oct via LP w/ fair sigs and talk by M. (Whitacre, MICH)

COLOMBIA Ondas del Ortegua, 4975, in SP 0236; omnipotent UTE on this freq vanished for abt 15 minutes on 7 Nov, allowing this to peek through. (tba) +++ Ecos del Atrato, 5020, in SP Q230 w/ virtual non-stop Latin orchestra mx. (tba)

ECUADOR LV del Napo, 3280, in Indian 1022; ID, talk, latin pops. (Jones, MISS; 11-7) +++ R. Paz y Bien, 4820, in SP 0936; ID, TC "Musica Ecuatoriana". (Jones, MISS; 11-8)

EQ. GUINEA Malabo, 6250, w/ fair sigs 2050-2104\*; Euro-spanish guitar and opera mx. M w/ ID and s/off anncmts, SW and MW freqs and NA by orch to s/off. (Whitacre, MICH)

ETHIOPIA VoRev Ethiopia, 7110, w/ short flue IS 0329 and \*0330. (Wendel Craighead, KS)

FRENCH GUIANA Cayenne, 3385, in FR \*0900; Guitar IS, NA (La Mar'se), ID freqs by W anncr into disco mx. Good sig but weak modulation. (Jones, MISS; 11-8); Cayenne also noted on 3385 at \*0900 w/ NA, FR 3 ID, freqs and mx. (Klein, FLA)

GALAPAGOS IS. LV de Galapagos, 4810, in SP 0335-0404\*; instrumental mx, chants, NA 0400, ID, off at 0404. QRM from SABC. (Gallagher; 10-25) \*\*\* Chants ??? tba

GUENADA R. Grenada, 15105 in EG 2042; greetings, "You Request" and "Action Line" drama. (Chris Leithner, TENN)

GUINEA Conakry, 4910, in FR/lang 0359; FR ID and into lang nx of Tanzania-Uganda "conflict." (tba)

HONDURAS R. Juticalpa, 4780, at 1100; long ID and folk mx. (Klein, FLA) +++ R. Landia, 4965, in SP 1158; ranchera mx, ads (one advertiser was "en la corazon de Camaygua") at 1200, ID, qall and freqs. (Jones, MISS; 11-13)

INDIA AIR, 11620, faint fluttery sigs but several clear AIR GOS IDs during various checks 7045-2030. Usual AIR "block" format: "blocks" of talk and "blocks" of mx. This is apparently a test to NAM 1745-2230 // inaudible 15165. (Jim Conrad, Iowa)

JAPAN NHK Osaka, 3377, in EG and JP 1030-1105; EG talk about an "Indy 500 car" race; mx, listeners' letters, address (NHK Tokyo), and into "NHK's A-1 High School EG Course" at 1100. (Howard, CAL)

KUWAIT R. Kuwait, 12085, in EG 1935-1950; usual DJ px w/ lively pops and very unmusical QRM. (Gallagher, 10-26)

LEBANON R. Lebanon, 11925, in EG 0230-0300; rock mx w/ W DJ; poor-fair w/ QRM. (Ed Grant, NY)

NORWAY R. Norway, 15175, in EG 1725+ w/ pop mx, ID at 1730. (Gallagher)

PERU R. Atlantida, 4790, in SP 0935 w/ fast latin mx and ID. (Klein, FLA) +++ R. Cusco, 6195, in SP 1022; ID, TC, Peruvian mx. (Jones, MISS; 11-8)

PHILIPPINES R. Veritas, 17710 in EG 0302 w/ listeners' letters and mention of Philippines. (Leithner, TN) \*\*\* Did you get an ID??? tba

PORTUGAL Deutschlandfunk, 15185 via Sines; site ID 1830\* at close of Czech/Slovak px. At 1930 on 11865, gave Sines ID at beginning and end of tx. ID is apparently an integral part of the

PORTUGAL, cont'd: px tape rather than a separate cartridge. All DLF freqs currently in use are from Sines. (Craighead, KS)

SAUDI ARABIA Holy Koran Stn, 15060, tentatively noted 1945-2030 w/ much chanting and possible mx in AR 1945. Mentioned Saudi Arabia several times, and appeared to repeat 1945 px at 2045a. No BBC on 15070, but NIRT was in well on 15084 when this was heard. (Conrad, IOWA)

USA (Pirate) Bill Whitacre writes to report that he has an very high quality recording of Voyagers' 5 November reprise b'cast. (See UD 31) A 90 minute cassette (a "C-90" for you technical types) and \$1.00 to Bill will get you a copy.

USSR In the help wanted desperately deaprtment comes this item from Dean White: RM noted on 3150 w/ IS 0422 and again at 0426. Same theme played by full orch 0427. Then talks by a M to 0430 when different IS was aired. Heard on RF-2800. Help!!! (White, ILL)

VENEZUELA LV del Tigre, 3255, in SP 0930-1000; ID, freqs, and very fast latin mx. (Klein, FLA) +++ R. Universidad, 3395, w/ usual latin format 0930. (Klein, FLA) +++ R. Agnostura, 6120, in SP \*1009; NA, classical theme, "buenos dias", ID, freqs, mention of Bolivar, and "LV Campesino" px. (Klein, FLA)

ZAMBIA Lusaka, 4911, in lang 0400-0410; clear verns ID 0400 w/ mentions of Zambia and Lusaka. May also have given freqs. Into lang nx or possibly educational px. No sign of Conakry. (tba)

UNIDENTIFIED DEPARTMENT: UPDATE doesn't usually print UnIDs but in this case, we'll make an exception. From Bill Whitacre comes the following:

UNID (but strongly suspect Falklands) heard 1, 2, and 6 Nov 0030-0130\* variable. Many times only weak carrier on BFO, signal peaks at 0100 or so. On 1 Nov during peaks in audio heard M in definite EG around 0053, but signal took nose dive by 0113. On 2 Nov, got various audio peaks between 0100 and 0130\*. M w/ EG talk to 0115 then orch.-type instrumental mx. On 6 Nov only BFO note carrier, but still best day as got s/off varying to 0142, which I consider a solid reception detail if they keep accurate logs. Hav tried for this sporadically for years, but this is the first time I've heard anything. Sent UnID report and await reply. (Bill Whitacre, MI) \*\*\* Nice work, Bill. Re that 0142\* on 6 Nov, we can only hope that their stn clock is accurate . . . . Keep us informed about further receptions. tba

SPECIAL REPORT FROM EDITOR GLENN HAUSER: As many of you probably know, LN Editor Glenn Hauser is also an avid harmonic DXer. Some of his more recent catches follow below. All were, of course, heard by Glenn at his Knoxville, TN, QTH:

- 29025 ENGLAND BBC WS surprised to find on this freq, 1425 15 Oct, but it works out to 4 x 7255, which does appear in their charts.
- 30140 ENGLAND This BBC WS harmonic serves as a good pilot to rising MUFs, signalling possibility of TV DX on 41 MHz (qv); noted here 1420 15 Oct, 1328 31 Oct and by 1348, quite strong. 2 x 15070.
- 30210 ASCENSION BBC FR noted 1328 31 Oct; via Ascension, and believe off a couple minutes later. 2 x 15105.
- 30260 USSR RM IS 1329 31 Oct, into UnID lang 1330; also audible on 15130, but better here.
- 30290 BRAZIL R. Journal de Comercio, Recife, quite strong on peaks, 1339 31 Oct w/ Braz. mx and talks; not audible this time on 15145, and no harmonics in 23-25, 28, or 29 MHz band. Just shows how DX is best just below prevailing MUF.
- 30300 ANTIGUA DW frequently heard w/ good sigs but usually under an open carrier. 31 Oct at 1329.
- 30328 COLOMBIA R. Super, 5 x 6065.6, w/ ID, Noticias del Momento at 1325 31 Oct.
- 30474 COLOMBIA LV del Centro presumed as this is 5 x 6094.8; R. Sucesos RCN (a newscast not a stn name!) at 1333 still in when next checked at 2148 31 Oct.

Tnx for the report Glenn . . . . tba

For those of you who don't take the mid-month UPDATE, this is our last issue of 1978. To all of you and yours, my very best wishes for the holiday season and for a happy and DX filled New Year. Hope Santa brings you the new rx or QSL you've been wanting.

My best to all . . . .

73. 

# log report section

1600-4899



DAN ROBINSON

4437 Sedgwick St., N.W.  
Washington, D.C. 20016  
PH: (202) 686-1119

This month we have some excellent material from U.S. LR-A reporters as well as from our friends from Australia. November has given us some fine Latin American DX evenings, and

according to those I've heard from, Pacific conditions have also been very encouraging. As for myself, my antennas blew down three days ago--but not before I managed to pull in Radio Andorra on 6,215 at 2100. Before getting into LR-A, here are some requests regarding reporting methods: (a) Please, if possible, type all reports and do not use "strips" that will be much more than one inch in width (b) Except for our overseas reporters, I discourage the use of onionskin paper as reports on onion-thin paper tend to be lost most easily (c) For those sending reports to me directly--PLEASE write me some kind of a letter! It is disappointing to receive an envelope with but one strip of paper. Those aren't difficult requests, are they? I am mobile for this LR-A, back in Levittown, PA, helping our devoted publisher. . . .

## LOG REPORT A SPOTLIGHT

- JAVA** 3800: RKPDT2 Jember at 1341 IN, mellow rock mx, M anc'r w/ID at 1344; hrd to 1400, F lvl; this has got to be more than .25 kW(Godfrey)
- INDCN** 4141: RKP Kotamadya Tk.II--like a local around 1200, same for 4121. (Willis-AUS)
- USSR** 4635: Dushanbe 0028-0045 w/M&W in RS, instr mx, ID at 0030 and TC; Alma Ata-5260 and Krasnoyarsk-5290 the strongest of the three, were also monitored at this time (Barto)
- USSR** 4785: Baku at 0158s/on. 0200 USR anthem, 0204 Republic anthem, 0208 w/ID in Azerbaijani as "Danishir Baku" (Wood)
- 1630 USA WCBG Chambersburg, PA: Hrd w/rel mx, ads // 1610, 1620, 1640, 1650, 1660 and 1670... What's going on here (Barto 11/6)
- 2310 **BRAZIL** R Progreso: 2241-2256 w/several IDs in PT, lively vocals, Beatles mx, clear signal (Barto 11/12)
- 2340 **CHINA** Fuzhou: 1037-1045 w/CH tlks by W (Barto 11/13)
- 2376 **PAPUA NEW GUINEA** R Chimbu: 1124-1136 in Pidgin w/tlks by a M anc'r, popular instrm mx, ID 1129 (Barto 11/11)
- 2390 **GUATEMALA** LV de Atitlan: 1125-1140 in SP w/nearly all vocals, E lvl (Barto 11/11) 0315-0342\* lively Fiesta mx, c/off 0342(Hoffman)
- 2410 **PAPUA NEW GUINEA** R Eastern Highlands: 1133-1139 w/island vocals, by female group, M in Pidgin tlk (Barto 11/11)
- 2420 **GUATEMALA** R Rumbos: 0945-1016 w/many IDs, vocals, light mx.(Barto)
- 2468 **PAPUA NEW GUINEA** R Northern District: 1125-1131 Pidgin w/choral vocal mx, ID and QTH along with a TC at :30-- very clear! If 11/10 and 11/11 indication of DX for 78-79 we are in for banner season (Barto 11/11)
- 2476 **CHINA** CPBS Hangzhou: 1125 in CH w/W anc'r (Barto 11/11)
- 2850 **N. KOREA** Pyongyang: 1145 in lang, F (Barto 11/11) 1220 (Johnson)
- 2940at **BRAZIL**: Possibly 3rd harmonic of 100kW R Nacional on 980, hrd 0256 to 0304, PT pgm of pop mx w/M anc'r (McVicar 10/15)
- 3183 **UNID**: Indonesian hrd at very good lvl here, 1200 and others on 3192, 2996, 3000, 3006, all good lvl (Willis-AUS 10/22)
- 3200T **CHINA** PLA Fuzhou: 1130 CH //3400, with tirade in CH (Klein 10/29) 1358 w/mx, W with ID at 1400, interlude of flute mx followed by W in tlk (Godfrey 10/9)
- 3210 **UNID**: 0305-0315 SP, M w/short tlk, no ID or QTH mentioned, faded by 0316; good lvl when first hrd; R Federation??? (Godfrey 11/7) In TDN Maputo rptd this time on 3211 by J. Tuchscherer--DR
- 3215 **CELEBES** RRI Manado: 1144 IN, M in tlks, ment Sulawesi 1150 (Barto)

- 3215 CELEBES RRI Ujung Pandang: 1147 IN, W in tlk, EZ mx, "Love Ambon" at 1159, time pips 1200, M w/ID 1200, M w/nx (Johnson 10/4)
- 3220 PAPUA NEW GUINEA R Morobe: 1136-1151 t/o w/male vocals, ancmts in Pidgin; ments of Papua at 1143 (Barto 11/11)
- 3222 TOGO Lama Kara: 2205 FR, mx (Wood 10/22) 2129 w/mx (Osterman 10/25)
- 3225 VENEZUELA R Occidente: \*1030 w/NA and complete ID (Field)
- 3230 TAIWAN BCC: 1300 CH, W&M w/tlks, CH type mx; this noted while hearing India on 3235 (Godfrey 10/26)
- 3232 INDONESIA RRI Bukittinggi: 1400 at good lvl, //4883 (Willis-AUS)
- \*3235 INDIA AIR Gauhati: 1306-1355 Bengali or Assamese; W anc with Himalayan folk mx, M vocalist, flute and drums, chants (Godfrey)
- 3241 UNID: IN from tune at 1156-1201, amnts (Barto 11/11)
- 3255 VENEZUELA LV del Tigre: 1015 SF, LA mx, then canned ID w/AM, FM, SW and into Rumbos news (Klein 11/1)
- 3259 JAPAN NHK Sendai: JP in at 1124, 0.3 kw (Poppin 10/27)
- 3260 PAPUA NEW GUINEA R Madang: 1149-1159 in Pidgin, island mx, TC at 1159 (Barto 11/11) 1105 Pidgin, lcl group songs (Alexander)
- \*3265 SUMATRA RRI Bengkulu: 1206 IN, M w/nx, ment of Indonesia (Johnson) 1153-1201 in IN w/M and W ancrs, soft island mx; ID by W at 1200 (Barto 11/11) 1345 IN, pop mx by Indo artists, ID 1400 (Godfrey)
- 3275 PAPUA NEW GUINEA R So Highlands: 1145-1155 in Pidgin w/M anc and guitar mx; HET was gone... Gulf District also noted this time 3245 (Barto 11/11) 1115 Pidgin, pop mx, tlk by M (Alexander 10/15)
- 3280 ECUADOR LV del Napo: Indian pgms, ID, LA mx (Jones 11/7) 1045-1055 SP, "Muy buenas dias, este es la Voz del Napo (Perdue 10/1)
- 3285 BELIZE RB: 0340 EG/SP Rock and Reggae mx, M anc w/tlk (Godfrey) 0445 Rock mx, many IDs (Eastman) 1149 EG (Jones 10/17) 0220 w/EG mx, w/VOA reports (Klein 10/28)
- \*3286wT PHILIPPINES PBS: 1125-1200 noted with EG bdcst, jives with WRH sked this hour, 2.5kw (Poppin 10/27) Keep us informed on this...DR
- 3295T BRAZIL R Iguatemi: 2310-0005 PT, not being hrd as often or as well as past summer but still here with usual pxm (Perdue)
- 3295T UNID: Gorontalo or Samarinda 1314 IN nx followed by Gamelan mx & pop Indo mx; Samarinda most often rptd (Godfrey 10/18)
- 3300 GUATEMALA R Cultural: 0245-0400 EG/SP tlks and rel pgms, mx, (Bryan, Thompson, Klein) 1134 SP, rel vocal mx, ID 1144 (Johnson)
- 3305 PAPUA NEW GUINEA R Western: 1140 w/GW mx, G to Very good (McVicar)
- 3315 ECUADOR R Pastaza: 1051 SP, ID, Call, fqy, lengthy rendition of NA, into pgm; faded fast (Jones 11/1)
- 3322 PAPUA NEW GUINEA R North Solomons: 0920 Pidgin, lcl group (Alexander)
- \*3325 KALIMANTAN RRI Palangkaraya: 1102 IN, M in tlk to 1110, ID, EZ mx, F/G over LA stn on freq (Johnson 10/22)
- 3325 ECUADOR Ondas Quevedenas: 0915 SP, Musica Nacional pgm, Ecuadorian mx, TC for GMT minus 5 (Klein 10/31)
- 3325 GUATEMALA R Maya: 1117 SP, marches, LA & rel mx, M anc w/IDs at 1119 & 1128, TC 1123 (Johnson 10/4) 1115 pgm of tlks and marimba mx (Klein 10/25) \*1024 w/anthem, ID "Esta es Radio Maya, transmite desde Barillas..." Marimba mx, Indian lang tlk (Jones 10/19)
- 3335 PAPUA NEW GUINEA R East Sepik: 1200 w/ID by M; strongest on 90m next to CHUI (Barto 11/11) 1130 Pidgin, rel pgm, tlks (Alexander) 0815 Pidgin w/lcl island mx, M anc (Klein 10/19)
- 3340 ECUADOR R Tropical: 0350-0500 SP, LA mx, nx by M anc, ID at 0458 followed by Ecuadorian NA and off 0500 (Godfrey 11/7) 0315 w/peppy LA tunes, ID by M (Perdue 10/30) Beware of SP words that sound very similar to other stn's IDs, i.e. Radio Viloco on this frequency...DR
- \*3345T KALIMANTAN RRI Pontianak: 1359 IN, W anc with ID, followed by nx, s/off 1310 (Godfrey 10/29)
- \*3345 MOLUCCAS RRI Ternate: 1201-1209 in IN w/complete ID, tlks till 1209 w/mentions of Djakarta, possibly nx (Barto 11/11) Both these stns still here? DR
- 3360 GUATEMALA LV de Nahuala: 1157 SP, M DJ w/LA vocal & accordian mx, heavy UTE (Johnson 10/24) 0215 M anc, marimba (Klein 10/25) 0230-0300 lively mx, ID 0234 (Eastman 10/29) 1144 w/accordian mx (Poppin)
- 3366 GHANA GBC: Hrd many evenings 2250-2305\* (Perdue)
- 3375 ANGOLA R Nacional: 0445 PT/Vernacular, political tlks by M&W ancrs, African folk mx, Male vocalist (Godfrey 11/8)
- 3380 ECUADOR R Iris: 2340 SP, noted 3380 one nite, 3381 another; tlks abt Ecuador, ads for "Banco de Pacifico"; no Chortis lately this time (Perdue)
- 3380 GUATEMALA R Chortis: 0200 ID, marimba (Klein) 0148 ID, "R Chortis Jocotan" (Eastman) 1213 M in tlk (Johnson) 1122 ID, ranchera (Jones)

- 3385 SARAWAK RM Miri : 1458 in lang, W w/ID 1459, band mx 1500, c/off 1501, F/G (Johnson 10/22) Malay tlk and rock (Poppin 11/4)
- 3385 FR GUIANA Cayenne: \*0900 FR, LM at s/on, W w/ID, tlks and FR pop songs (Osterman 10/13) 0900 FR, EL mx, M w/ancr "Bonjour Cayenne" (Klein) We SWLs can take pride in the fact that we could identify the difference between Guyana and Fr Guiana for those not as well versed in geography! DR
- 3385 NEW BRITAIN R East New Britain: 0800 EG, nx from NBC w/M ancr (Klein) 0910 Pidgin, vocals (Alexander 10/21) 0752 ID, TC (Cucura)
- 3390 ECUADOR R Zaracay: 1020 SP, rhythmic lcl mx, many IDs (Klein) 1054 SP, M in slow tlk, ID 1055 (Johnson 10/22)
- 3395 VENEZUELA R Universidad: 2330-0235 SP, EL LA vocals and instr, very stingy w/IDs, finally one at 0235 (Perdue 10/29) 1025 LA mx IDs, ads (Klein) 0401 SF tlks (Osterman 10/25)
- 3396 NIGERIA NBC Kaduna: 0430 NA at s/on (Wood 10/31)
- 3396 RHODESIA RBC: 0403-0415 EG news by W, then tlk and mx (Dayen)
- 3425 NEPAL RN: 1337 Nepali tlks by M, flute mx, chorus (Godfrey 11/6) 0045 Nepali, Asian news (Hoffman 10/19)
- 3905 ADMIRALTY IS R Manus: 1125 Pidgin, tlks, lcl mx, Very weak (Alexander)
- 3910 JAPAN FEN: 1342 EG, M in comment (Bryan) 1248 w/rock mx (Johnson)
- 3925 JAPAN NSB: 1246 JP M in tlk, good with ARO QRM (Johnson 10/22)
- 3952 GT BRITAIN BBC: 0610 EG, newsdesk (Klein 10/10)
- 3985 ECUADOR Esc Radiofonicas: 1045 SP, M ancr w/sermonette (Klein) 1015 Ecuadorian mx with no interruptions (Valko 10/6)
- 3990 LIBERIA VOA: 0425 EG, nx and mx (Rambo 10/7)
- 4040 ASIATIC SSR Vladivostok: 1240 RS, mx, ute QRM (Johnson 10/24)
- 4109 N. KOREA Voice of Rev Party: 1245 in KR, 1400 EG //4553 at Exc lvl, though some China QRM (Willis-AUS)
- 4180 CHINA RP: CH tlks by W //5320, 6665 fm 2137-2158 (Barto 11/12)
- 4400 CHINA XINJIANG: Rptd here 1341 w/soprano in song, 1344 abrupt s/off (Poppin 11/4)
- 4465 INDONESIA RFD2T Kutai: Per Sparks and Peterson 1349 M in tlks in IN; 1354 chorus in IN, NA 1355, orch mx 1357; 1400 M in comments followed by short mx, more tlks (Poppin 11/4)
- 4485 ASIATIC SSR Petropavlovsk: 1233 RS W ancr w/RS mx (Johnson 10/24) 0535 Classical RS mx, M ancr, time pips, W w/ID 0600 (Johnson) 1052-1100 in RS w/vocals, piano mx, tlks, ID 1100 (Barto 10/16)
- 4554 N. KOREA V of Rev Party: 1407-1409 EG pgm (Poppin)
- 4610 ASIATIC SSR Khabarovsk: 1207 RS, interesting radio drama (Johnson)
- 4657v LAOS Houa Phan: Excellent 1155 s/off, also 1430 s/off //6198; both take the central news at 1200 (Willis-AUS) Child reading, then M in Laotian w/comment 1350 (Wisblood 10/9) 1421-1434\* (Poppin 11/4)
- 4690 BHUTAN NYAB: No, haven't hrd them, just a reminder that NYAB is reportedly here on GMT Wednesdays 1230-1330, power less than half a kW--good luck (Hywarren)
- 4697v INDONESIA RKIP Surabaya: 1353 w/w vocalist (Wisblood 10/9)
- 4702T LAOS Luang Prabang: Believed the one here(not the Viet); 1200 seems best but this is never that good; lots of mx, poor mod (Willis-AUS)
- 4719 SULAWESI RRI Ujung Pandang: 1219-1236 IN, tlks and mx (Poppin 10/10) 1335 pop mx and lotsa ads; seems some RRI stns have gone to comml for financial support; ad for the group Abba's latest album, ad for Pepsident, and others (Godfrey 10/10)
- 4720 CUBA LV de Cuba: 0626-0631 in SP, W in tlk, band mx, IS on celeste, (same as on MW) at 0630, IDs by W (McVicar 10/14) Here for some time at excellent lvls some nights/DR
- 4725T BURMA BBS: 1443 w/ mx and abruptly off 1445 (Johnson 10/22) 1352-1408 M in lang tlks and mx (Poppin 10/20)
- 4735T PAKISTAN RP: Karachi tent 2325-2345\*; have monitored this several nights when the propagation brings it in and format is same; W in Asiatic lang w/flute mx like RP; at 2343 something like a NA sung by a M choir then off the air (Delap 10/31)
- 4750 ZAIRE Lubumbashi: 0359-0401 s/on with NA, "La Zairoiese"; QRM with another carrier (McVicar)
- 4750 CAMEROUN R Bertoua: 0613 EG, nx read by M ancr, EG nx followed a FR nxcast; after nx, fisco mx 0618 (Godfrey 10/22) Also an EG nx at 2200 ...DR
- 4753 SULAWESI RRI Ujung Pandang: 1405 IN, M ancr with nx, mentions of Ambon and Jakarta, followed by same M (Godfrey 10/7) 1210 w/nx by M //4719 (Hywarren) 1212-1215 IN, W&M in tlk, //4719 (Osterman) 1200 IN tlk or sports past 1300, no nx & not //4719 or Medan 4764 Behr 9/21) 1215 M in tlk, choir mx, ad 1229, ID 1231 (Johnson 10/22) 1215-1230 w/a M in IN, 4753 was much stronger (Barto 11/11)

- 4754 MALDIVES Radio Maldives: Hrd here 1500-1700, loud, in English but poorly modulated; after Indonesia leaves freq (Willis-AUS)
- 4755 COLOMBIA Em Nuevo Mundo: CARACOL 0625 SP, M ancr w/LA mx, ID 0649 (Johnson 10/18)
- 4758 UNID: Believed the Vietnamese stn with many chants, no //noted yet, This is, however, regular and quite loud, although there is some QRM, from China on 4759 (Willis-AUS)
- 4759 CHINA Yunnan: 1405 CH W ancr, classical mx, Fair with Ute (Johnson)
- 4764 SUMATRA RRI Medan: 1409 M in tlk, vocals, M&W ancrrs, ment Medan (Johnson 10/7)
- 4770 VIETNAM Son La: 1400 // 6332, both excellent; not Korea which used to dominate the channel (Willis-AUS)
- 4770 LIBERIA ELWA: 2300 EG gospel (Wood 11/4) 0540 Vern tribal mx, tlks by M, into EG (Clark 10/14)
- 4770 VENEZUELA R Bolivar: 0000-0215 SP, ads & usual LA mx and IDs (Black) Alexander, Tannenwald) 1000 w/ads, LA mx (Klein)
- 4771 UNID: 1218-1230 IN w/soft instr mx, into IN 1227 (Barto 11/11)
- 4775 AFGHANISTAN RA: 1323 in Urdu w/M in tlk, some Afghan mx, F (Hywarren) 1304 in lang, speech by M, mentions of Angola, cheering crowds (Godfrey 10/16) EG still at 1400, excellent daily (Willis)
- 4780 HONDURAS R Juticalpa: 1140 ID, TCS, long ad strings, ranchera mx (Jones 10/21) 1055 ID by M, 4780 OC, TC with cuckoo, campesino mx (Klein) 1051-1105 in SP, M w/anmts, ment of Honduras, "Octubre, el mes de libertado..." ID 1053 with call letters (McVicar 10/10)
- 4780 JIBOUTI Djibouti: 1500 Somali type anmts and much mx; good, and not to be confused with others often hrd here (Willis-AUS)
- 4780 VENEZUELA LV de Carabobo: 0300\* SF, LA mx tunes, 0257 s/off anmts, ID and NA to 0300\* (Hoffman 10/30)
- 4781 HONDURAS R Juticalpa: 1140 w/ranchera mx varying in freq (Behr)
- 4785 AZERBAIJAN SSR Baku: 0305-0346 tlk by M&W in RS, no IS at 0330, Good sigs (Kreuger 10/17)
- 4785 COLOMBIA Ecos del Combeima: 0955 SP, ads and LA mx (Klein) 0438 SF LA vocals and M DJ (Johnson 10/27) 0835 many IDs, TCS (Jones 11/3)
- 4786 UNID: 2120-2143 w/AR vocals and nx in FR (Barto 11/11) Sure abt FR nx, Sam??? DR
- 4790 PERU R Atlantida: 0933 ID, Peruvian mx (Jones 10/25) 2350 Andean mx, clear, nice pre 0000 reception (Wood 10/28)
- 4790 ANGOLA R Nacional: //7215 2030-2047 in PT w/African vocals, ID ment Angola at 2031 (Barto 11/10) I haven't hrd them here yet...DR
- 4795 ECUADOR LV de los Caras: 0350-0402\* SF, themes from Godfather, Love Story; s/off anmts by M at 0401 (Pappas 10/13)
- 4800 CUBA LV de Cuba: 0649 SP, guess it was inevitable but they've finally made their way here; pgm with Cuban mx, ID and chime IS 0702, followed by nx by W (Pappas 10/27)
- 4800 VENEZUELA R Lara: 2240-0356 w/LA mx, tlks and ads, IDs (Earhart, Prath, Tannenwald, Alexander)
- 4800 CHINA RP: Chanting in an oriental lang, not typical CH 1245-1300, 774905 (Barto 11/14) 2205 CH, political tlk, lvl of R Lara (Wood)
- 4810 ECUADOR LV de Galapagos: 0355-0401\* SF, W w/closing anmts, hymns, on Sunday, ments of San Cristobal, long HC NA 0358 (Perdue 10/30)
- 4810 SOUTH AFRICA Springbok R: 0300 EG/AK pop mx, tlk, many ads (Dayen)
- 4815 COLOMBIA R Guatapuri: 1025 LA mx, M w/ID 1033 (Johnson 10/22)
- 4820 ECUADOR R Paz y Bien: 1020-1045 SP, flute mx, M in tlks, live mass at excellent lvl until 1045 when blocked by HRVC carrier (Krueger) 0930 w/Andean mx, ancr w/ID and ment of Ambato (Klein) 1010 (Valko)
- 4820 HONDURAS HRVC: 0430 EG rel pgm (Johnson) 0500 (Klein) 0304 w/mx and rel pgm (Labossiere 10/29)
- 4821 ANGOLA Emisora Reg da Huila: 2054-2107 w/African vocals, drums, clear PT ID 2100 w/QTH and nx until 2107 (Barto 10/15) Sam, do you have a tape of this reception? DR
- 4825 MALI Bamako: 2058 FR, African songs w/string instr mx, ment of "Bamako" (Osterman 10/27) 0609 w/songs (Poppin)
- 4825 ASIATIC SSR Vladivostok: 1038 CH, M in tlk (Johnson 10/22)
- 4835 SOUTH AFRICA SABC: 0425 EG tlks by M (Wiseblood)
- 4835 SARAWAK RM Kuching: 1040 Malay, W w/lcl mx, ment of Kuching (Johnson) 1449 M w/ID "Radio Malaysia Kuching" (Poppin 11/4)
- 4838 UNID: Stn here 10/25 at 1326 w/indigenous flute mx backed by drums and strings; 1331 anmts by W, into tlk to 1332 when M in tlk; lang snds oriental, but could be Sarawak, China, or Burma--I haven't got a clue (Hywarren)

- 4840 VENEZUELA R Valera: 1021 SP, many IDs, W singing IDs, echos and mx (Valko) \*0910 w/ann and into mx pgm (Klein) 0915 LA pops (Prath) 0940 ID and TC "...en R Valera, cinco y cuarenta minutos..."(Jones) 1029 w/mx and ID (Poppin)
- 4845 MOLUCCAS RRI Ambon: 1200 ID, SCI, RRI nx (Hywarren)
- 4845 BOTSWANA RB: 0355-0417 in EG/Setswana; 'Moooc'o's, "Cock-a-doodle-doooo's"; to 0359 when choral anthem, EG ID w/freqs (McVicar)
- 4850 UZBEK SSR Tashkent: Asian vern lang 1226-1300, flute mx (Poppin)
- 4850 VENEZUELA R Capital: 0445 SP, current US pops, M DJ, apparently "Grease" is his favorite sound track (Klein 10/11) 0230-0300 US pop mx, ID and anmts (Goss 10/11) 1025 ID and tlks (Prath 11/5)
- 4850 SURINAM SRS: 0850 DT/Hindi w/ads, pop mx, IDs (Klein) 0902 with DT pgm and ID "Radio SRS Paramaribo" (Poppin)
- 4855 SUMATRA RRI Palembang: 1337 IN, M&W tkl to 1345, ment of Palembang, mx (Johnson 10/7)
- 4855 BRAZIL RC do Para: 0450-0500 PT, ID, TCs, Brazilian mx and EG pops (Brooker 10/12)
- 4860 PERU R Chinchaycocha: 0940 may have been s/on, ID, short pop mx, "Buenos dias amigos..." and left air abruptly 0942 and still off at 0945 (Jones 10/27) 0405 Andean mx, M ancr, ID (Perdue 10/30)
- 4860 VENEZUELA R Maracaibo: 1130 SP, mx, tlks and ID (Tannenwald 10/22)
- 4865 COLOMBIA LV del Cinaruco: 1000-1045 ID, LA tunes, tlks (Prath, Valko, Alexander, Tannenwald) 0215 w/mx request pgm (Field) 0345 LA mx and ads (Earhart)
- 4870 BENIN LVR: 2203 w/Vocals and instr mx (Earhart) 2135(Alexander)
- 4872 CHINA RP: HS on this new frequency, and Sri Lanka channel with HS-1 at 1345 (willis-AUS)
- 4875 IRIAN JAYA RRI Sorong: 1205 IN w/M in Jakarta nx (Hywarren) 1143 IN, pgm of pops, M w/anmts, ID 1200 and into M&W in tlk(McVicar)
- 4875 COLOMBIA R Super: 0845 SP, hrd almost daily w/usual IDs and LA pops (Prath) 0608 M DJ w/LA mx, ID (Johnson) 0402 ID w/reference to 1040 "onda media" (Field) 0538 (Earhart)
- 4885 COLOMBIA Ondas del Meta: 1014 w/ mx and SP tlks (Earhart)
- 4890 PAPUA NEW GUINEA NBC: 0830-1210 w/usual EG/pgm and mx (Earhart, Lovitt, Klein, Alexander, Stroh)
- 4890 SENEGAL RS: 0600 FR/AR tkl by M in FR and AR, then into chants (Dayen) Koran chants (Wiseblood)
- 4895 SARAWAK RM Kuching: 1317 w/M in tlk (Hywarren)
- 4895 CHINA Huhot/Nei Menggu: 1517 w/Int'l, presume Mongolian tlk(Poppin)

MISSORTS

- 2200 NICARAGUA Voz de la Victoria(La Lider): 0201 SP, M w/nx, chimes, TC, M w/ID "LA LIDER, NICARAGUA."
- 2340 PAPUA NEW GUINEA R W New Britain: 1125-1127 w/mx (McVicar using 400 foot longwire pointed North-West)
- 2340 UNID: Poss harmonic, 0115 SP, "En Radio 7, serviamos las 24 horas diaramente ..." (McVicar w/1100 ft beverage directed South)
- 2376 PAPUA NEW GUINEA R Chimbu: 1124 w/M in EG tkl (McVicar)
- 2390 MEXICO R Huayacocotla: 0109 Mexican mx, vocalists; strong mix with LV de Atitlan (McVicar) 2315 good lately this time slot w/no Atitlan QRM until later (Perdue)0200 IDs, SP tlks, vocals, guitar mx(Thompson)
- 2390 GUATEMALA LV de Atitlan: 0340 SP, LA mx followed by M ancr w/sign off anmts, booming signal at S-9 and better (Godfrey 10/22) 1120 w/marimba mx pgm (Klein)
- 2410 PAPUA NEW GUINEA R Eastern Highlands: 1123 w/native mx and drums Good sigs (McVicar)
- 2420 GUATEMALA R Rumbos: 0859 SP, pop mx, M w/R Rumbos ID; ad; IDs as 53 56 31 de Radio Rumbos..." with tiger roar (McVicar) 1120 w/2nd harmonic and marimba (Klein 10/31)
- 2450 PAPUA NEW GUINEA R W Highlands: Mt Hagen 1127, mx pgm (McVicar 10/15)
- 2468 PAPUA NEW GUINEA R Northern, Popondetta: 1125 w/mx (McVicar)
- 2540 MEXICO R Arriba: 2 x 1270 at 1215 still here LA mx, ads, IDs, anmts, and W ancrs but not as good as previously (Godfrey 10/24)

Some last minute items: 4830 TENT Gabon noted recently 2130; 4900 R Juventud still on and off but now rather consistent; 4853 at 1053 rptd by Poppin as TENT R Centenario" the Bolivian on 10/9.....  
3839 is P'yongyang per George Poppin... was Id'd as Peking.....

UNTIL NEXT MONTH AND THE NEW YEAR ISSUE, GOOD LISTENING AND 73.

DAN *Daniel* Robinson

# log report *section*

4900-6199



## STEVEN WISEBLOOD

- 4905 CHINA RP-1: 2245-2300\* CH talk by M&W. Level w/Brazil (Wood 11/2, Krueger 10/31). 1156-1203 Revolutionary mx, CH tlk by M & W (Valko, D.W.Johnson).
- 4905 CHAD RNT: 2150-2203 Terrible het w/FR tlk. Some mx (Earhart 10/13). 0415-0440 ID's in FR w/talk alternating in AR/FR. Flute mx, disco mx. Vibraphone IS (Delap 11/1).
- 4905 BRAZIL R. Relogio: 2352 M in PT w/amnts, time pipe & full ID @ 0000 (Lobdell-MA). 0045-0057 PT talk & singing ad, time pipe. Mention of "R. Federal" (Poppin 10/20).
- 4909 INDONESIA An UnID station heard here in IN after Phnom Penh s/off. Usually heard around 1600. Poorly modulated. (Willis-AUS).
- 4911 ZAMBIA ZBS: One of the best Africans, with local nx at 1600. 4845 Botswana also excellent at this hour (Willis-AUS). 0346 s/on with a screaming Eagle IS, the call of the Fish Eagle. ID at 0351, into Bantu National Anthem sung by childrens chorus. ID as "Zambia Broadcasting Service". W in lang. w/frequencies, folk mx(Osterman, McVicar)
- 4915 BRAZIL R. Nac de Macapa: 2245-2300 PT talk by M w/several ID's @ 2259 (Barto 11/10). 0300\* PT closing anmts, ID, Multi-verse anthem at s/off (Wood 11/7). 0805-0905 ID's, fast talking M in PT w/amnts, Brazilian vocal mx (Hoffman-PA, Klein, Tannenwald).
- 4920 HONDURAS R. Progreso: \*1000-1152 SP anmts, ID, rancho mx. Good(D.W.Johnson,Klein) 0045-0115 Guitar & vocal mx, SP talks many ID's (Thompson 10/29).
- 4920.5 ECUADOR R. Quito:0200-0410 LA pop mx, SP ads & ID, show on the opening of the Volkswagen factory in Quito (R. Wood-NH, Black, Pyatt-PA).
- 4925 BRAZIL An UnID Brazilian here w/PT pgm at 2315 "A Voz do Brazil",//3295,3365(Field).
- 4925 COLOMBIA Emis. Meridiano 70: 0257-0301\* SP closing anmts, NA (R. Wood-NH, Osterman). \*0935-1022 NA, ID, LA mx, SP talk w/mentions of Colombia (Valko, Klein).
- 4926 EQUATORIAL GUINEA R. Ecuatorial: 0440+ SP talk & Vern., Afro folk mx w/vocalists, drums, guitars, chorus. (Godfrey 10/27).
- 4930 USSR/TURKMEENIAN SSR Ashkhabad: 0310-0347 Mayak IS, Classical mx, W in RS w/talk, Soon faded out (R. McVicar 10/27, Hoffman 11/7). 1302 Moscow nx. Pair (Hywarren).
- 4932 NIGERIA Benin City: 2138-2143: Native afro mx w/drums & vocals. Talks in EG and vern, Not the same pgm as 4990. Pair (Osterman 10/27, Valko 10/25).
- 4932 JAVA RRI Surakarta: 1250+ IN talk by M, MoR mx, ID and Jakarta nx & 1300(Godfrey).
- 4934 KENYA V. of Kenya:\*0258 SW anmts at s/on, drum & pipe IS, ID (Wood-NH 11/7).
- 4935 BRAZIL R. Capixaba: PT nx 2325+. Poor (Field 10/26).
- 4940 USSR Yakutsk: 1309 w/M in RS w/cmnty. Fair and //5015 (Hywarren).
- 4940 ECUADOR R. Nao:0157-0340 Ecuadorian mx w/vocals. Good w/Yaracuy off this nite. ID (Jones-MS 11/2, Clifford 11/2).
- 4943 VIETNAM Hanoi-HS: 1130-1413 M & W w/ VT talk, some fine VT mx (Hywarren, Poppin,Wood)
- 4965 BRAZIL R. Poti: 2120 M in PT w/futbal play by play, jingles, echo effect(Hoffman-PA).
- 4970 SABAH RM-Kota Kinabalu: 1440 M w/Malay tlk, guitar mx. Poor-Fair (D.W.Johnson).
- 4980.2 CHINA Wuhan (Hubei): 1405-1435 M & W in CH w/talk.Fair (D.W. Johnson, Wiseblood).
- 4990 CHINA Changsha: CH political talk @ 1128 (Wood 10/27).
- 4995 PERU R. Andina: 1000 Andean vocals (Field 10/14).
- 5010 CAMEROON R. Garoua: \*0500-0530 FR mx, then EG nx & cmnty by M in FR. Afro group chants. Flute IS at s/on. (Cook, Perdue, O'Donnell).
- 5010 PERU R. Eco: \*1014, ID, NA, Argentine sounding mx, W in SP (Jones-MS 10/31).
- 5020 COLOMBIA Ecos del Atrato: 0340-0404\* ID's, LA mx & NA(Perdue, Behr). \*1038-1057 ID, vocal ballads, calls and freqs. (Lobdell-MA, Jones-MS, Poppin-CA).
- 5020 SOLOMON ISLANDS SIBC-Honiara: 1035 EZ mx, M in pidgin w/amnts, M in EG w/nx @ 1058, ID, Fair w/het from Sarawak & UTE. (D.W. Johnson 10/7).
- 5025 BRAZIL R. Borborema: PT talk, ID, Brazilian mx 0100 (Alexander 10/10).
- 5025 ECUADOR R. Splendit: SP anmts, ID, freq, short rendition of NA. Ecuad. mx(Jones-MS).
- 5026 UNID Afro mx and vocals here at 2027-2033. Talk in UnID lang. (Barto 10/22).
- 5035 BRAZIL R. Aparecida: 0012-0033 lite mx, ID, mention of Sao Paulo. Cmnty on politics. (Poppin 10/19). 0425-0430\* ID in PT, but did not sound like Aparecida,Who?(Barto 10/22)
- 5040 VENEZUELA R. Maturin: 0005 sports broadcast, also on 5030,4970 (Field 10/27).
- 5040 COLOMBIA R. Cinco: TC, full ID 0730 & freqs. Good (Dayen 10/29).
- 5045t COOK ISLAND RCI: 0436 EG tlk by W, possible mention of ABC 0500; ID seemed to include "Cook". Then pgm featuring tlk w/"Aussie" accent. Very Poor (Osterman 10/18).
- 5046.2 ECUADOR UnID from 1100 Ecuadorian mx and talk. Heard 10/14 only. (Behr).
- 5050 ECUADOR R. Jesus del Gran Poder: 0535-0551 Vocal mx, ID's, SP tlk by M.Strong!(Barto)
- 5053t MONGOLIA Ulan Bator-HS1: Possibly the one here w/M&W tlk in lang,Poor w/het (D.W.J'son)
- 5054.5 COSTA RICA Faro del Caribe: "Lighthouse of the Caribbean" ID, EG religious pgms to 0400\*,"Bringing Christ to the Nations", NA at s/off. Strong(McClure, Behr, White, Earhart, Pappas). 1100 LA mx, M in SP w/amnts, ID's. Good (Klein).

- 5055 BRAZIL R. Maua: 2341-2356 PT Vocal mx, mentions of Rio & several ID's (Barto 11/10).
- 5057 ALBANIA R. Gjirokaster: 0435-0525+ Gypsy folk sounding mx, Excercise pgm w/piano mx 0520+. M & W in Albanian (Perdue, Earhart).
- 5065 KARELIAN SSR Petrozavodsk: \*0200-0437 Anthem, Moscow nx in RS, ID (Barto, Behr).
- 5075 CHINA Peking-2: 1413 CH talk //5163. Fair-Good w/UTE QRM (D.W. Johnson 10/22).
- 5109a PAKISTAN? Presumed to be the one here at 1325 w/M' in lang w/fast paced talk until 1327 then vocal mx by W w/drums and strings. No ID noted, Fair w/UTE QRM. M in lang. w/ amts 1330+ (Hywarren 10/18 & 10/25).
- 5163 CHINA Peking-2: 1410 CH opera mx, vocals w/lots of crashing cymbals (D.W. Johnson).
- 5170 CHINA FFBS-2: 1407 traditional CH mx (D.W. Johnson 10/22).
- 5240 CHINA FFBS-1: 1403 Excellent and //5265 (D.W. Johnson 10/22).
- 5260 KAZAKH SSR R. Ama Ata: \*2359-0010 //9780, tho this was stronger. S/on w/ID, vocal mx, instrumental mx, RS tlks by M&W (Barto 10/16).
- 5265 CHINA FFBS-1: 1054-1351 W vocalist, M & W in CH. Good (D.W. Johnson, Earhart-PA).
- 5290 USSR Krasnoarsk: 2349-0007 RS w/QRM from an LSB stn. ID by M 0000. Nx to 0007 (Barto).
- 5320 CHINA Peking-1: 1342 W in CH, mx from the "Nutcracker" by Tchaikovsky! (D.W. Johnson).
- 5860 CHINA Peking: 1210 EG talk on occupied lands, ID (H. Johnson 11/4).
- 5882 ARGENTINA R. Rivadavia: 0148+ Old LA mx w/M in SP, ID, Horsetrack coverage (Godfrey).
- 5915 BULGARIA R. Sofia: 0500 IS, M&W w/ID, Greek pgm, into mx. Good (Klein 10/29).
- 5920 BYELORUSSIAN SSR RM: EG nx to UK 2200-2230\* (Brown 10/22).
- 5930 CZECHOSLOVAKIA R. Prague: 2016-2022 EG cmtry, ID & pgms (Valko). 0154 W in EG w/nx, mx (Schmidt). \*0300 EG nx, IS (Higgins 10/28).
- 5935 USSR UnID site, RS talk by M&W 0740, symphony mx (Dayen 10/29).
- 5945 USSR UnID site, M in RS, mx pgm (O'Donnell 11/5).
- 5945mf AUSTRIA CRP: 0430-0500 EG pgm, mx, tlk by W about Austrian mountains (W. Smith-MA, Jordan, Klein, Cucura, Earhart). 0500+ GM pgms (Klein).
- 5955 COLOMBIA LV de los Centauros: 0940-0959 ID, SP ads, LA mx & ballads (Klein, Jones-MS).
- 5960mf COSTA RICA R. Casino: 2325-2335 EZ mx, M i EG w/ID's, SP ad by M&W (Perdue). 1133 SP ads, TC & ID, A move from 5955 to get away from Nicaragua & Centauros (Jones-MS).
- 5965 BRAZIL R. Guabiá: 0005-0024 PT talk, sports, ID (Novello-NY, Poppin-CA).
- 5965 NIGERIA VON: 2156-2205 M in vernaculars, W w/nx in EG then mx (R.C. Jordan).
- 5970 DOMINICAN REPUBLIC RTV Dominicana: -245-0300 LA mx & ID (Alexander). 1016 ID (Jones-MS)
- 5970 SWITZERLAND SBC: New here w/EG 0430-0500, IT 0500-0530, then GM (Earhart, Saaf).
- 5975 CHINA RP: W in KR 1343, Middle-Eastern mx (D.W. Johnson 10/24). Not Korea as reported!
- 5975 DOMINICAN REPUBLIC RTV Dominicana: SP talk & nx, varies by 5kHz! (Jones-MS, Klein).
- 5980 SIERRA LEONE SLBS: 2200-2215 EG nx & religious talk, cmtry (Saaf, Alexander, Zilmer). 0645-0810 EG talk, ads& ID, nx, BBC nx @ 0700, obit amts (Dayen, Jordan).
- 5980 PERU R. Panamericana: 0816-1059 ID, fast talking M in SP, Vocals, U.S. pops and LA mx. "Por Musica del Mundo, siempre panamericana" (Brooker, Alexander, Jones-MS).
- 5980 LEBANON RL: \*0600-0615 IS, NA, into AR (Barto 11/11).
- 5990 FRANCE RFI: 0500-0505 IS, ID, M in FR, pop-rock mx (Lovitt 11/7).
- 6000 BRAZIL R. Inconfidencia: 0815-0830 ID jingles, ads, PT tlk (Brooker).
- 6005 CHINA RP: Home Service here at 1200, excellent, another inband move //6225 (Willis-A)
- 6005 CANADA CFCX: 1215 EG talk, ID, TC, pop mx (Alexander). 1740+ EG talk show (Labossiere)
- 6010 PERU R. America: 0945-1023 SP talk, LA disco mx, full ID's (Jones-MS, Valko).
- 6015 VATICAN CITY RV: \*0100-0115 EG nx, tlk & cmtry, bell IS (Laird, Jordan, Klein).
- 6020 PERU R. Victoria: 1015-1031 ID's, pop mx (Jones-MS, Valko, Zilmer).
- 6025 UZBEK SSR R. Tashkent: 1215 EG pgm "Calling DXers" (Lobdell-MA 11/12). 1241 ID, and talk in lang. by W (Jones-MS 11/1).
- 6030 WEST GERMANY Sueddeutsher Rundfunk: 2245 heard w/pop mx after BBC s/off, ID by M, into GM nx, wiped out by AFRTS after 2305 (Fowler 10/18).
- 6035 CHINA V of Thai Peoples: 1300-1350\* Thai, also from 1430, often strong o/USUR HS, //9423 better (Behr 10/25)
- 6035 BRAZIL R. Globo: 2359 PT nx read by M, ID, "R. Globo Noticias", AFRTS QRM (Perdue).
- 6035 AUSTRALIA RA-Carnarvon: 2059-2114 EG nx, into pop mx. Good (Krueger).
- 6045mf AUSTRALIA RA-Lyndhurst: 1128-1400+ EG nx, pop mx, ID's, //6080, 5995 (Jones-MS, Wilkin-/son)
- 6045 BRAZIL R. Clube Paranaense: PT talk show 0820-0838, lite mx (Brooker).
- 6065 COLOMBIA R. Super: 0756-0810 frequent ID's, jingles, TC's, LA mx (Brooker).
- 6070 CANADA CFCX: 0015-1516 "CFRB 1010" ID's, EG nx, sports, ads and EZ mx. Ontario wx. This one rarely overcomes the perpetual howl on this freq (6 reporters)
- 6080\*\*\*\*CANADA CFCX Vancouver BC: 0730-1230 C&W mx, fantastic sig in Ontario, often wipes out the USUR and Australia on the same freq., from 0300 some days (Behr 10/21).
- 6080mf AUSTRALIA RA: 1153-1200 ID, pop mx, EG nx, //6045, 5995, CFCX QRM (Psterman, Behr).
- 6080 HUNGARY RB: \*0159-0230\* IS, EG nx, cmtry. vocal mx, pop mx \*McCants 10/12).
- 6082 PERU R. Nac de Peru: 0730-0938 ID's, local Peruvian mx, tlk by M in SP, also EG ID!, first time I have ever heard EG on this station "This is the National Radio of Peru". (Dayen, Jones-MS, Alexander, Brooker, Perdue). Fine Work, Gentlemen! -scw
- 6085 ESTONIAN SSR R. Tallinn: 2104-2107 in presumed Swedish. The only thing heard clearly was the IS. Vy. Poor u/R. Nederland (R. McVicar 10/12).
- 6085 BRAZIL R. Jornal do Comercio: 0100 PT sports pgm (Zilmer).
- 6085mf NORWAY RN: 0010-0030 NW tlk, ID, NW mx, EG nx on Sunday's (Wilkinson, Alexander).

# log report

DECEMBER, 1978

section

6200-11699



**TOM GAVARAS**

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\* ALL LOGGINGS FOR THE LOG REPORT SECTIONS SHOULD BE SENT TO OUR DISTRIBUTION EDITOR: DAVE WALCUTT, 2828 ROGERDALE #108, HOUSTON, TEXAS 77042.



The snow has arrived here in Minnesota, and that can only mean one thing - Winter DX has arrived!! A lot of good reports this month with the return of the Voice of the Voyager, Comoro Islands, more reports of Laos and Andorra, Radio Freedom of Southern Yemen, etc. This all goes to prove that FRENDX is your Number One DX Magazine!! Lets keep it up! Thank you to all who reported, especially those reporting for the first time. Enough chatter! Before I begin with this months report, I would like to wish everyone a Merry Christmas and a safe & joyful 1979!!!!

- 6215** ANDORRA R. Andorra; 2057-2300\* Dutch/English/French/Spanish announcements with most talking in French. French pop songs, vocals and several ID's. (Salay, Barto, Wood 11/7). -Terry Krueger: I believe your unidentified logging is also Andorra. (tg)
- 6220** UNITED STATES (MINNESOTA) Voice of the Voyager; I received an anonymous phone call on 10/29 stating that the V.O.V. was returning for one last time without the aid of Mr. Martin, but using the VOV equipment (!). The caller said the transmission would be on the 4th of November at 0400 on 6220 kHz. That Saturday night I received a call regarding a time change to 0500, from the same caller. Thus at 0458 the IS was noted. 0500 a poem, then into We Will Rock You/We Are the Champions, ID into usual music program. At the beginning of the broadcast, they had an interesting version of the bust. Also had phone loops. Fair signal, but I hope they realize that they were causing a het and QRMing Caribbean Ship-Shore traffic. (Hywarren 11/12). 0500 English with a 'final tribute'. Usual guitar IS and program ran from 0500-0621\*. Lots of rock music; used at least three different telco loops inviting calls: 212-747-9979, 215-842-0095 & 612-537-9929. Also announced Mike Martin's address in Crystal, Minnesota. However, I am not sure that Martin himself was involved in this particular broadcast (Hauser). \*0455-0621\* English IS, Voyager Art Players with recorded re-enactment of the bust, gave address for reports as: Voice of the Voyager, 4306 Adair, Crystal, MN 55422, also said station was reactivated due to Army buddy returning home, etc, etc! (Lobdell, Pappas, Barto, Goss, Novello, and Mike Agner (who would like a QSL) 19 Grove Street, Waldwick, New Jersey 07463.) -All reports above were for November 12th. To those involved with the VOV, Thanks for the call. I also heard that they are thinking of going weekly again on 6220 kHz, starting in a few weeks! Some people sure know how to live dangerously!!!! (tg).
- 6230** AFGHANISTAN R. Afghanistan; 1200-1340 s/off after local news in local lang (Willis).
- 6230** UNIDENTIFIED 0801 Program of pop mx & armts by man in possible English (McVicar 10/8)
- 6230** EGYPT R. Cairo; 0200-0245 English ID & Stamp Collect Club (Baudino, Schmidt, Alexander)
- 6250** KOREA (NORTH) R. Pyongyang; 2155 Korean Political talk program (Wood 10/22).
- 6250** EQUATORIAL GUINEA R. Malabo; 2058-2104\* Spanish news & National Anthem (Kruger, Behr).
- 6270** CHINA R. Peking; 2150 English talk program on Vietnam (Wood 11/7).
- 6320** CHINA R. Peking; 2030 s/on into French program (Wood 10/28).
- 6345** CHINA R. Peking; 2030 s/on into Portuguese program (Wood 10/28).
- 6450** VIETNAM VOV (Hanoi); 1306 Language commentary, slow band music, etc. (Poppin 10/29).
- 6576** KOREA (NORTH) R. Pyongyang; 2035 English political talk on leader (Wood 10/28).
- 6600** KOREA (NORTH) KCBS; 0600 Korean talk by man with news//11350 (Wisblood 10/9).
- 6655** CHINA R. Peking; 2220 Chinese program with political talking (Wood 10/28).
- 6676.1** LAOS National Radio of Laos (Xieng Khouang); 1200 Heard daily, always a good signal (Willis) Language? (tg) Sing-song vocal music, similar to Cambodia, then talk by man in language, then s/off at 1400\* (Wisblood 10/9).
- 6700?** LAOS National Radio of Laos (Xienghouang); 2245 Lao(?) talk by woman, sounded like news. Heavy QRM. Tentative (Prath 10/16). -With 1KW, this would be very tentative! (tg)
- 6750** CHINA R. Peking; 2225 Chinese program with talking (Wood 10/28).
- 6765** CHINA PLA; 1204 Chinese talk w/splatter from Korea on 6770 kHz (Johnson 10/25).
- 6772** KOREA (NORTH) R. Pyongyang; 1100-1145 Spanish talk, orchestra music//9420 (Zilmer 10/23, Johnson 10/25). 2225 Korean talk on leader of N. Korea (Wood 10/28).

- 6900 TURKEY Turkish State Meteorological Service; 0415 Turkish with vocals and chanting. (Barto 11/12). 1500 excellent signal, not heard for awhile (Willis).
- 7065 ALBANIA R. Tirana; 0010 English program with usual propaganda (Baudino 10/18).
- 7105 ASCENSION ISLANDS BBC; 0258 EG ID, news (Thompson). 0421 English cntry (Bryan).
- 7105 MONACO TWR; 0630-0755\* English ID, religious talk & music (Klein 10/27, Cucura 10/8).
- 7120 ALBANIA R. Tirana; 0230 English news & cntry (Johnson 10/22, Lorz 10/20).
- 7120 INDONESIA (IRIAN JAYA) RRI Jayapura; 1133 Indonesian talk & mx (Johnson 10/7).
- 7125 INDIA AIR (Delhi); \*1228 IS, Tibetan & music to 1315\*. Good/9705 (Behr 10/12).
- 7132.5 PAKISTAN R. Pakistan; 1300 English news, 1311 IS & Urdu to 1325\*. (Behr 10/12).
- 7144.7 LAOS National Radio of Laos; 1059 talk in local language, local mx, ID "pathet Lao". (Lobdell 10/26). 1300 French, 1330 English with fair signal. QSLd promptly with an English letter (Behr 10/25).
- 7145 POLAND Polish Radio; 0305 English commentary on the Mid-East (Clark 10/25).
- 7150 USSR R. Kiev; 0030 English news and Mailbag program (Withers 10/15).
- 7160 SARAWAK R. Malaysia; 1318 Chinese talk, local music & ID (Johnson 10/22).
- 7170 NEW CALEDONIA R. Noumea; 0633-0817 French talk & pop music (Goss 10/11, Johnson 10/6).
- 7170 SENEGAL R. Senegal; 0615 French news & talk with pop music. ID's given (Cook 10/11).  
-Are you sure about this? Could this be R. Noumea instead?? (tg).
- 7190 PHILIPPINES VOA; 1145 English Press Conference USA, ID, Time Pips (Johnson 10/7).
- 7200 ENGLAND VOA; 0310 English news (Goss, Baudino). 0610 Greek news & ID (Goss).
- 7203 KOREA (NORTH) R. Pyongyang; 1100 Korean program with ID and news (Wood 10/16).
- 7210 USSR Home Service (Khabarovsk); 0630 Russian with opera music. (Wiseblood 10/5).
- 7240 AUSTRALIA R. Australia (Carnarvon); 1247 English World News & Pop music (Leithner 11/1)
- 7250 USSR R. Moscow; 0130 English news and political commentary (Labossiere 10/19).
- 7255 NIGERIA NBC (Lagos); 0548 IS, Bells & Drums, English ID & music (Johnson 11/1).
- 7260 ENGLAND RCI Relay; 0311 IS, Russian news. Fair signal w/ARO QRM! (Johnson 11/22).
- 7260 COMORO STATE Radio Comores; Heard (at last) from 1400-1502\* sign off. African music and announcements in Comorian. Fairly good. (Willis). Nice catch!! (tg).
- 7262 MONGOLIA R. Ulan Bator; 1100-1130 Chinese program (Willis).
- 7265 GERMANY (WEST) Sudwestfunk; 0430-0532 German ID & pop music (Lobdell, Clift).
- 7270 SARAWAK R. Malaysia; 1120-1301 Language talk w/ID & mention of Kuching (Johnson).
- 7270 SOUTH AFRICA RSA; 0539 English "Good Morning Africa" program (Clift 10/28).
- 7280 FRANCE RFI; \*0600 French Identification with news program (Cucura 10/16).
- 7280 LIBERIA VOA; 0230-0600 English Breakfast Show, etc. (Thompson, Cucura, Bryan).
- 7285 GERMANY (WEST) DW; 0750 English DX Program in German transmission (Lovitt 10/14).
- 7290 USSR R. Moscow; 0130 English news about Chinese/USA relations (Williams).
- 7295 MOROCCO VOA; 0620 English Breakfast Show (Cucura 10/16).-I have Wofferton listed! (tg).
- 7300 ALBANIA R. Tirana; 0330 EG News (Labossiere, Miller, Laird). 0447 EG ID (Bryan).
- 7310 USSR MAYAK; Good signal with Electronic Music to 0430\* (Wiseblood 10/11).
- 7320 USSR Home Service (Magadan?); 0540 Russian Live folk music performance (Johnson).
- 7345 CZECHOSLOVAKIA R. Prague; 0127+ EG Cntry (Taylor, Smith). 0300 English tlc (Byron).
- 7410 INDIA AIR (Delhi); 1530 English news w/subcontinent music (Clifford 10/29).
- 7412 ISRAEL IBA; 2230 English news, Calling All DX-ers, etc.//11655, 9815, 9435 (Zilmer).
- 7440 USSR R. Moscow; 0100 English news & DX Program by Kuznetsov (Williams).
- 7480 CHINA R. Peking; 2150 English talk on Japanese economy (Wood 10/28).
- 7500 AUSTRALIA VMC Time Station; 1245-1318 Time pips & quarterly EG ID's (Alexander, Marker)
- 7600 ECUADOR HD210A Time Station; 0229 Pips with Spanish time & ID (Schmidt 10/18).
- 7670 BULGARIA R. Sofia (Stolnik); 2220 Italian political talking (Wood 10/28).
- 8000 JAPAN JJJ Time Station; 0642 Pips, long tone every minute, ID's by woman every 10 minutes. Excellent (Wiseblood 10/6). 1306 Time beeps & ID by woman w/code (Goss 10/15).
- 8195t CHINA PLA; 1035 Chinese talking by a man and woman (Prath 10/21).
- 9009 ISRAEL IBA; 2030 English news about lufe in Jerusalem, etc. (Byron 10/18).
- 9020 CHINA R. Peking; 1435+ lang (Chinese?) talk with a play (Godfrey 10/22).
- 9022 IRAN V. of Iran; 0115 Farsi tlc & mx (Thompson). 1930 English news (Labossiere).
- 9325 NUMBER STATION; 0230 English - Charlie-Mike repeated four times by woman followed by musical tones (Marker 10/22).
- 9380 CHINA R. Peking; 2035 Italian news program (Wood 10/27).
- 9420v KOREA (NORTH) R. Pyongyang; 0615 English news pgm (Wiseblood). 0815 English talk about North Korea (Woltman). 0945 English propaganda against Vietnam. 0949\* (Godfrey).
- 9425 CHINA CLANDESTINE Voice of the People of Thailand; 1300-1351\*, 1430-1526\*, 1530-1656\*. Thai talking and music. Good (Behr 10/25). -Good monitoring, Ernest! (tg).
- 9445 CHINA R. Peking; 2230 Russian program "Govorit Pekin."//9670 (Wood 11/2).
- 9445 ISRAEL IBA; 2120 Hebrew talk & music//11638 & 12077 (Zilmer 11/5).
- 9460 CHINA R. Peking; 1500 East is Red IS, Russian ID into news. Excellent. (Wiseblood).
- 9465 PAKISTAN R. Pakistan; 2030 Urdu news & ID (Wood 10/27). 2120-2145\* Urdu talk and music till 2145. Good signal (Dayen 10/13).
- 9475 EGYPT R. Cairo; 0200-0300+ English news and commentary on the talks between Egypt and Israel (Johnson 10/29, Earhart 10/16, Bryan 10/17, Rambo 10/14, Thompson 11/2).
- 9490 USSR R. Moscow; 2307 English news on Camp David Agreements, etc. (McCants 10/15).
- 9500 LIBYA FRBS; 0030-0102 Arabic talk, chanting & vocals to 0102 s/off (Thompson 10/24)
- 9505 AUSTRALIA R. Australia (Shepparton); 1900-2024 English cntry & pop mx (Brown, Kruger)

- 9505 DOMINICAN REPUBLIC RTVD; 2228 Spanish ID & News by man/woman (Jordan 10/7).
- 9505 JAPAN R. Japan; 0700 English news (Taylor). \*0800 English news (Klein). 1000 English Asian news (Withers). 1305 English news and ID (Johnson).
- 9515 TURKEY VOT; 2138-2225 English ID & music (Earhart, Cucura, Saaf, Prath).
- 9525 KOREA (SOUTH) R. Korea; 0842 English cmntry by a lady (Osterman 10/24).
- 9525 POLAND Polish Radio; 0200 English cmntry on disarmament (Novello 10/17).
- 9529 CHINA R. Peking; 1600 Russian program // 9645 (Wood 10/22).
- 9530 BULGARIA R. Sofia; \*0430-0500\* English ID, News & cmntry (Goss 10/15, Cucura 10/16).
- 9530 SPAIN Spanish Foreign Radio; 0158 Spanish talk program (Clift 10/28).
- 9532t PERU R. Nacional de Tacna; 0530 Spanish talk & music. ID as R. Nacional (Dayen 10/30).
- 9535 SWITZERLAND SBC; 1814 English News, Dateline & Swiss Music (Tabossiere 10/9).
- 9540 AUSTRALIA R. Australia (Lyndhurst); 0950 English Hit Parade pgm (Prath, Withers).
- 9540 CZECHOSLOVAKIA R. Prague; 0154 English Folk Music pgm (Clift 10/28).
- 9540 POLAND Polish Radio; 1500 s/on German program on election of Wotyia (Wood 10/22).
- 9545 ANTIGUA DW; 0150 EG talk about McDonalds (Clift). 0500\* English ID (Taylor).
- 9540 USSR R. Tashkent; 1200 English news program (Zilmer 11/2).
- 9550 FRANCE RFI; 0730 French news and rock music program (Brooker 10/21).
- 9555 ENGLAND RCI; 1600 English program signing off (Wood 11/5).
- 9560 ECUADOR HCJB; 0200-0330 English Relig pgm, etc (Thompson, Withers, Dawson, Bryan, McCants).
- 9560 SWITZERLAND SBC; 0658 IS, English news program (Taylor 10/12).
- 9565 CYPRUS Cyprus Bc. Corp; 2215 Greek news. Excellent & clear signal. s/off 2230 (Wood)
- 9565 FINLAND R. Finland; 2335 English with a Finnish language lesson (Sellers 10/23).
- 9570 AUSTRALIA R. Australia (Shepparton); 1200-1600 English ID & nx (Plambeck, Zilmer, Wood)
- 9570 COLOMBIA Ecos del Combeima; 0637 Spanish Latin Pops, male DJ with frequent ID's, ads for various Colombian banks (2 X 4785 Harmonic). Interference from R. Australia s/on at 0658 (Pappas 10/29).
- 9570 ROMANIA R. Bucharest; 0055 Spanish ID & tlk (Alexander). 0150-0228 English DX Program, Youth Club program, classical music, etc. (Labossiere, Dayen, Earhart).
- 9575 ITALY RAI; 0100 English News about Pope's death (Earhart, Alexander, Eastman).
- 9575 UNITED STATES KCEI; 1030+ Talk about FCC in English, hymns, etc. (Laird, Earhart).
- 9580 AUSTRALIA R. Australia (Shepparton); \*1100-1300 EG News & mx (Fraser, Laird, Thompson).
- 9585 BRAZIL R. Excelisior; 2245 Portuguese ID, pop music, talk (Zilmer 10/31).
- 9585 FINLAND R. Finland; 2130 English News & Sunday's Best (Zilmer 11/5).
- 9585 JAPAN R. Japan; 1000 English news // 9505 (Prath 11/5). 1200 English news to Europe (Zilmer 11/1). 1600 English news program // 9505 (Wood 10/22).
- 9585 SOUTH AFRICA RSA; \*0200-0300\* English Panorama, news, etc. (Joseph 10/18, Woltman 10/2, Bryan 10/17, Jordan 10/19, Schmidt 10/30).
- 9590 CANADA BEC; 2315 English "World Radio Club" program (Batson 10/25).
- 9590 NETHERLAND ANTILLES R. Nederland; 0230+ English news & music (Reini 11/6, Rambo 10/1, Bryan 10/17). 0745 English Newslime about the Pope's death (Byron 10/13).
- 9590 PHILIPPINES R. Veritas; 1130 English to S.E. Asia w/Catholic news (Matthews 11/5).
- 9595 JAPAN NSB; 0805-1615 Japanese/English talk & pop music (Clifford, Lovitt, Sellers, Goss).
- 9600 USSR R. Moscow; 0215 English Moscow Mailbag (Withers). 0353 EG ID (Bryan).
- 9600 USSR R. Vilnius; 2300-2330 English news about education in Lithuania (Laird 10/20).
- 9605 VATICAN STATE Vatican Radio; \*0100 Talk on Pope John Paul II in EG (McCants, Stroh).
- 9610 AUSTRALIA ABC (Perth); 1345-1440 English nx & pop music (Cucura, Lovitt, Bryan).
- 9610 MONACO TWR; \*0800 English ID & Relig pgm (Cucura). 1100 EG Sunday pgm (Wood 10/29).
- 9610 SOUTH AFRICA RSA; \*0200-0300\* English News, commentary and pop music. (Saaf 11/3, Johnson 10/29, Woltman 10/29, Withers 10/16, Marker 10/20).
- 9615t ETHIOPIA V. of Revolutionary Ethiopia; 1408 Lang talk by man w/No ID. African or Mideast music. QRM from Australia. Very tentative! (Valko 10/9).
- 9620 GERMANY (EAST) RFI; 2230 IS, German ID into music (Reini 10/13).
- 9620 SWEDEN R. Sweden; 0130 Spanish news program (T. Smith 10/17).
- 9620 YUGOSLAVIA R. Yugoslavia; \*2200-2213\* English nx (W. Smith, Laird, Dayer, Reini, Cucura).
- 9625 CANADA CBC NS; 0400 English ID (Bryan). 1247 EG Sports (McCants). 1500 EG Nx (Swanson).
- 9630 CHILE R. Agricultura; 1004 musical program with lots of talking between selections in Spanish. Sweden's s/on at 1025 making reception difficult (Field 10/28).
- 9630 SPAIN Spanish Foreign Radio; 0047-English nx (Batson). 0521 English nx & ID (Rambo).
- 9640 KOREA (SOUTH) R. Korea; 1600 English News highlights (Clifford 10/29, Bryan 10/15).
- 9645 BRAZIL R. Bandeirantes; 0025 w/Portugese nx (Field). 2330 Portuguese tlk & mx (Zilmer).
- 9645 CHINA R. Peking; \*1500 Russian pgm s/on //9670 (Wood 11/5).
- 9645 COSTA RICA Faro del Caribe; 0237 Spanish talk and instrumental mx (Fiddler on the roof) (Wiseblood). 0305-0400\* English Relig pgms (Ashabraner, Swanson, Dayer, Brown).
- 9645 IRAQ R. Baghdad; 0200 IS, Arabic Identification into chants (Dayer 10/14).
- 9645 VATICAN STATE Vatican Radio; \*2015 French nx into EG at 2030 (Higgins, Lorz).
- 9655 HUNGARY R. Budapest; 2100 English news & cmntry on Alcoholism in Hungary (Lorz 10/24)
- 9660 AUSTRALIA ABC (Brisbane); 0800 English nx & sports roundup (Brooker 10/7, Lovitt 10/22)
- 9660 SWITZERLAND SBC; 0145 English s/on with interference from jammers (Wood 11/6).
- 9660 USSR R. Moscow; 0000 English nx & cmntry (Fraser). 0320 English news (Woltman).
- 9660 AUSTRALIA R. Australia (Shepparton); \*0800-0945 English news, music, report about the Bee Gees, Hit Parade Countdown pgm, etc. (Woltman, Brooker, Lovitt, Cucura, Withers).

- 9675 GREECE V. of Greece; \*1600 s/on Greek program w/Anthem (Wood 11/5).
- 9675 JAPAN R. Japan; 1115 English news, DX News //11875 (Zilmer 10/22).
- 9680 USSR R. Moscow; 0015 English cmntry about the USSR & USA (Woltman 10/4).
- 9685mf UGANDA UBC; 1930 French, 2025 German announcements & music to 2057\*, on Tues/Thu/Sat only, strong over USSR (Behr 10/24).
- 9690 ARGENTINA RAE; 0322 English talk on highways in Argentina (Schmidt 10/28).
- 9690 ROMANIA R. Bucharest; 1810 German art talk into French at 1830. (Plambeck 11/5).
- 9690 SWEDEN R. Sweden; 2300 English panorama & mailbag (Schmidt 10/29, Baudino 10/16).  
0130 Interval Signal into Spanish news (Cook 11/4).
- 9695mf CAMBODIA R. Phnom-Penh; 1300 Khmer talk & music to 1503\* w/Anthem. Noted here since 10/28. Was on 9699 in 1964. (Behr 10/28). -Great Catch!! (tg).
- 9695 SWEDEN R. Sweden; \*0230-0259\* English ID & cmntry (Johnson 10/15, Woltman 10/20).
- 9700 USSR R. Moscow; 0155 English ID (Marker). 0217 EG What is Communism (Rambo).
- 9705v BULGARIA R. Sofia; 0009 EG tlc on Atomic Bombs (Earhart). 1945 EG ID (Higgins).
- 9715 UNITED STATES WYFR; 0212 Spanish Letter Box program (McCants 10/22).
- 9720 KOREA (SOUTH) R. Korea; \*1555 English ID after Interval Signal, nx & cntry (Dayer, Brooker). 1800 English News & Melodies (Clifford, Williams).
- 9720 SRI LANKA SILBC; 0054 English ID (Osterman). 1530 English talk & mx (Plambeck).
- 9720 USSR R. Kiev; 0315 English Mailbag pgm & talk on Soviet Economy (Jordan 10/22).
- 9725 PHILIPPINES VOA (Tinang); 1500 English program with local ID (Wood 11/5).
- 9725 SWITZERLAND SBC; \*0144 English Dateline program, etc. (Earhart, Grant, Reini).
- 9730 GERMANY (EAST) RBI; 0115 English cmntry (Laird, Sellers). 0310 English ID (Bryan).
- 9730 USSR R. Peace & Progress; 1550 English cmntry on China (Dayen 10/20).
- 9740 MALAYSIA BBC; 1555-1635 English cmntry about Soviet Defense (Dayen, Bryan).
- 9745 CAMEROON R. Yaounde; 2200 French talking w/French & English pop mx (Clark 10/24).
- 9745 ECUADOR HCJB; 0305 English information on Ecuador (Taylor 10/12).
- 9745 IRAQ R. Baghdad; 2030 German into English 2130 (Wood, Baudino, W. Smith, Goss, Laird).
- 9750 USSR MAYAK; 1800 Russian talking with Easy Listening music format (Wisblood 10/9).
- 9760 GREECE VOG; 0120 English World nx (Leithner). \*0215 English talking (Taylor).
- 9770 AUSTRIA ORF; \*0130 EG nx (Fraser, T. Smith, Laird, Thompson). 0345 English ID (Earhart).
- 9770 AUSTRALIA R. Australia (Shepardon); 1300 English main points of news (Johnson 11/4).
- 9770 GREECE VOA (Kavala); 0535 English talking and pop music (Cook 10/16).
- 9770 NETHERLAND ANTILLES R. Netherland; 2030 English news and music (Laird 10/24).
- 9775 USSR R. Moscow; 0200 IS, Spanish news//9745, 9810, 9490, 9450 (Wisblood 10/9).
- 9780 KAZAKHSTAN SSR R. Alma Ata; \*0000 Kazakh w/anthems, chorus, etc (Valko, Wisblood).
- 9780 YEMEN ARAB REPUBLIC R. San'a; 0310 Arabic chanting (Dayen, Johnson). 1954 AR ID (Fowler)
- 9790 USSR Home Service; 0545 Russian w/opera//9810, 9620, 9600, 9500 (Wisblood 10/3).
- 9795 USSR R. Moscow; 2101 English World Service w/news & cmntry on U.S.A. (Batson 10/25).
- 9810 USSR R. Moscow & Progress; \*0100 Portugese talking (Valko 10/24).
- 9815 ISRAEL IBA; 2000 English DX Report (Laird). 2244 English news (Schmidt).
- 9820mf CHINA R. Peking; 1200+ English to N. America (Jones 10/15, Matthews 11/5, McCants 10/8)
- 9833 ISRAEL IBA; \*0500 English news into French at 0515 (Johnson, Higgins, Cook).
- 9840 VIENTNAM VOV (Tay Nguyen); 1100 Kampuchean ID & News (Wood 10/17, Zilmer 10/21).
- 9850 EGYPT R. Cairo; 0306 Arabic talking & chanting (Johnson 10/29).
- 9860 CHINA R. Peking; 1230 English cmntry (Woltman). 1640 EG cntry & flute mx (Bryan).
- 9870 KOREA (SOUTH) R. Korea; 1230 Spanish, 1300 French, 1330 EG//11965 (Behr, Cook).
- 9880 CHINA R. Peking; 2035 English news program (Wood 10/27).
- 9900 CHINA R. Peking; 2040 Chinese talking with military music (Wood 10/27).
- 9908 CHINA R. Peking; 1535 Russian talk by man & woman. Poor & jammed (Dayen 10/20).
- 9920 CHINA R. Peking; 2130 Serbo-Croat Identification & news program (Wood 10/28).
- 9945 CHINA R. Peking; 1220 Vietnamese talk on Shanghai (Wood 10/28).
- 9953 CLANDESTINE R. Freedom of S. Yemen; 1330-1432\* Arabic tlc & mx. Fair (Behr 10/18).
- 9972a NUMBER STATION; 0105 German number groups read by woman (Higgins 10/16).
- 9977 KOREA (NORTH) R. Pyongyang; 1140-1250\* EG cmntry (Goss, Alexander, Jordan). 1300 News topics (Watts) -Lang? (tg). 1645 EG sked (Bryan). \*2300 EG Nx & cmntry (Saaf, Higgins).
- 10040 VIENTNAM VOV (Hanoi); 1000 EG nx (Zilmer). 1530 EG tlc (Watts). 2040 EG tlc (Wood).
- 10060 VIENTNAM VOV (Hanoi); 1220 Vietnamese drama program (Wood 10/28).
- 11290 CHINA R. Peking; 1135 Chinese tlc (Prath). 1520 Chinese program (Brown).
- 11330 CHINA R. Peking; 1145 Chinese talking by a man (Prath 10/8).
- 11350 KOREA (NORTH) KCBS; 0432 Korean tlc & mx (Wisblood). 0618 Korean tlc (Pappas).
- 11445 CHINA R. Peking; 1205 Chinese talking by a man (Prath 10/8).
- 11505 CHINA R. Peking ES; 0631 Chinese tlc & opera (Pappas). 1215 Chinese tlc (Prath).
- 11515 CHINA R. Peking; 1225 Language with opera music (Prath 10/8).
- 11533 KOREA (NORTH) RP; 0640 EG ID (Pappas). 1104+ EG (Sellers, Dawson). 2040 FR tlc (Wood).
- 11610 CHINA R. Peking; 0000 Cantonese s/on program // 15265 (Wood 11/3).
- 11620 INDIA AIR; 1752-2230 EG (Labossiere, Brown, McClure, Higgins, Brooker, Wheeler, Dayen, Watts).
- 11642 PAKISTAN R. Pakistan; 1815 English, 1915 French to 2015\* (Behr 10/20). & Novello)
- 11677 PAKISTAN R. Pakistan; 2125 Urdu (believed) talking & music (Earhart 10/10).
- 11685 SAUDI ARABIA BSKSA (Riyadh); 1900-2100\* Korean pgm. Fair w/UTE QRM (Behr 10/15).
- 11685 CHINA R. Peking; \*1200+ English nx & cmntry (Fraser, Johnson, Williams, Laird).

SEASON'S GREETINGS

13, Tom

# log report *section*

## 11700 & ABOVE

# D

### BOB BROWN

- 11705 MONTSEERRAT DW; 0600-0950\* GM, Montserrat is on 11785, 0230-0550 then moves here //Antigua on 11785, 9690, (Behr 10/1)
- 11710 GREAT BRITAIN BBCWS; \*0050 HD,IS,ID nx, good (QRM 11705) (Brown 11/3)
- 11720 CHINA R Peking; 0100 CH, s/on to Am. (Wood 10/30) 0900 EG, to Aust./N.Z., nx, tk on economic issues. (Klein 10/27)
- 11725 VATICAN VR; 0100-0115\*, Church nx, "On My Way"(Batson 10/29) here one night only, then back to usual 11845 (Wood 10/29)
- 11730 MADAGASCAR R Nederland; 1830-2030 EG, "Happy Station" (Clark, Cucura 10/29) "Afro Scene" (Williams 10/13) //11740
- 11735 BELGIUM BRT; 2105 DT/FR, messages to ships (Wood 10/28)
- 11735 USSR R Moscow; 0000 EG, World nx (Withers 10/15)
- 11750 GREAT BRITAIN BBC; 0330 EG, ID, freq. sch. Af. nx (Bryan 10/17)
- 11750 USSR R.Moscow; 0800 EG, nx, cmntry (Watts Aust.) 0000 EG nx(Withers)
- 11760 CYPRUS BBC Limasol; 0600 EG, s/on (Wood 11/6)
- 11770 MEXICO RM; 2300-0340\* RM now using 4 xmtrs, jammed (Behr 10/30)
- 11770 USSR R Moscow; (WS) 0650 EG, Live px fm. Red Square on 60th ann. of Bolshevik rev. (Pappas 11/7) 1200 nx (Zilmer 11/2) 1730-1830 "Moscow Review", Kremlin Chimes, Art & Cult. in USSR,Kremlin Chimes(Williams)
- 11775 USSR RSPAP; \*0600 CH, tk by M&W, mixing w/ RCI (Pappas 11/7)
- 11775 SAUDI ARABIA BSKSA; 1750 AR, ID at 1759, chants & string mx(Hywarren)
- 11785 ANTIGUA DW; 0530-0600 EG, IS, ID site, nx (Lovitt 11/8)
- 11785 MONTSEERRAT DW; 0541 EG, to WCNA, tk. on Sweden (Saaf 10/14)
- 11790 BELGIUM ORU; 0618 DT, IS, ID s/on, conga drum & brass choir(Johnson)
- 11790 USSR R Moscow; 1145 EG, nx, facts & Figures (Zilmer 11/2)
- 11800 BELGIUM BRT; 0600 DT, nx (Wood 11/6)
- 11805 MOROCCO RTVM; 2000-2100\* AR, moves to 6095 after s/off (Behr 11/1)
- 11810 VATICAN VR; 0100 EG, Election of Pope John Paul II (Williams)
- 11815 NETH.ANT. TWR Bonair; 1107-1238 EG, various rel. pxs. (5 rep.)
- 11815 POLAND Polish R; 0220-0225 EG, interview w/2 men (Taylor 10/17)
- 11825 FRANCE RFI; 2000 FR, ID, freq. ann. fair (Dayen 10/19)
- 11825 PORTUGAL R Japan(Sines) \*2200-2230\* EG,ID,nx, (Brown,Fowler,Hywarren)
- 11835 W GERMANY RFE; 0358-0418 EG, IS, s/on, nx, jammed at 0415 (O'Donnell)
- 11840 SPAIN SFR; 2030-2230 EG, 1st hour; nx & local topics, 2nd hour; the same!?, beamed to Eur. but excellent in Aust. (Watts 10/24)
- 11845 ALBANIA R. Tirana; 2028 AR, s/off, over Sweden (Wood 10/22)
- 11845 CANADA RCI; 0203-0300 EG, nx, sports, cmntry, (Bryan 10/13,Rambo 9/20)
- 11855 CANADA RCI; 0220 EG, "send no mail, postal strike" Baudino 10/18)
- 11860 KOREA KBS R. Hanoi; 2105-2130 KR, tk, KR mx, (Clifford 10/29)
- 11880 AUSTRALIA RA; 1700-1730\* EG, to SEA, & Pacific (Clifford 10/28)
- 11880 TURKEY VOT; 2204-2222 EG, cmntry on Turkey by M (Valko 10/7)
- 11890 GERMANY (GDR) RBI; 0348-0408 EG, ID, facts abt. GDR (Marker, Bryan)
- 11890 CHILI VOC; 0105-0430 EG, new gov't making progress; inflation has been reduced, "Chili is a fine place to live" QRM both sides //11765 better but w/het. (6 reporters)
- 11895 SINGAPORE? BBC; 1345-1445\* VT, good sig. no ID (Behr 9/21)
- 11900 S. AFRICA RSA; \*0200-0250\* EG, nx, "S. Af. Panorama" Press review, (excellent sig. good move on their part, ed.) (8 reporters)
- 11900 ECUADOR HGJB; 0645-0930 EG, 1 hr. rpt. on the Farnborough air show, good sig. until f/out at 0930 (Watts-Aust.)
- 11910 HUNGARY R. Budapest; 0210-0415 EG, wxn, cmntry, DX club (4 reporters)
- 11910 FINLAND RF; 2130 EG, nx, poort (Zilmer 11/5)
- 11910 JAPAN RJ; 0411 EG, ID, freq. changes, DX rept. (Marker 11/4)
- 11915 BRAZIL R. Gaucha; 0900 PT, ID, cmntry, LA Pop mx. (Klein 10/28)
- 11915 TAIWAN VOPC; 1227 CH, CH opera mx, fair (Johnson 10/25)
- 11925 BRAZIL R Bandeirants; 0359-0404 PT, EzL mx, tk, (Valko 10/3)
- 11925 LEBANON RB; 0230 SP, not heard nightly (Wood 10/17)
- 11930 IRAN RI; 1530-1800 FS, tk //15084 stronger (Behr 10/15)
- 11935 NORWAY RN; 1814 EG, to Africa (White 11/5)
- 11935 PORTUGAL RP; 0304 EG, Mw/political nx. F //6025 Better (Schmidt 10/25) 0505 EG, "Wines of Portugal" Baudino 10/20)
- 11920 JORDAN HBS; \*0328 IS, AR at 0330, QRM/HGJB on 11915 (Mathews 11/5)
- 11935 PORTUGAL RP; 0503-0513 EG, cmntry on PT, strong but noisy (Earhart)
- 11938 CAMBODIA VOUPK; 1100-1500 ?, good (Willis, Australia)

- 11940 USSR R Moscow; \*1500 Lang, IS (Withers 10/16)  
 11940 SINGAPORE RS; 1615-1630\* EG, ID, Freq., vocal mx (Thompson 10/31)  
 11945 CHINA RP; 0300 SP sign/on, // 15080 (Wood 10/31)  
 11945 GREAT BRITAIN 0544\* EG, EG by Radio, good (Saaf 10/14)  
 11945 NEW ZEALAND RNZ; 0450-0455 EG, Pol. ad for labor party (Smith 10/31)  
 11949v CAMBODIA RPP; 1300-1503\* KHMER, hrd here fm 9/16, now on 9693 (Behr)  
 11955 USA VOA/UN; 2255 EG, mx, px on UN Meeting (Sellers 10/30)  
 11960 MALI RNM; \*0800 FR, ID, Sunday only (Willis)  
 11965 TURKEY VOT; 0355-0530 TK, tk, QRM, //11955, 9515 (Behr 10/2)  
 11985 ALBANIA R Tirana; \*0700-0730 EG, IS, ID, nx, propoganda fm China (Klein 10/9, Watts, Aust.) 1415-1425\* EG, cmntry on Albania (Plambeck 10/29)  
 11995 USSR RM; 0825 RS, mx to 0830 then IS, W tk, (Klein 10/10)  
 12000 USSR RM; 1110-1120 & 0227 EG, mx, letters (Earhart, Marker, Williams)  
 12035 VIETNAM VOV; 1545-1600 EG, ID, orch. mx, QRM (Jordan) 0200 (Wood)  
 12040 USSR RM; 2150-2200/0400 EG, IS, nx, folk mx, (Lovitt 11/7, Woltman 10/19)  
 12055 USSR RM; 0137 EG, DX club to 0145, M w/mx (Johnson 10/29)  
 12110 CHINA R Peking; 2205 FR, tk, (Wood 10/28)  
 12175 ICELAND VOI; Oct. LRD-2 was in error. VOI is on fm. 1200-1300 then handles UTE traffic. The station heard was R Moscow in RS (LSB) after 1400 RM and the UTE mix together. (Hywarren) (Thanks, ed.)  
 15060 SAUDI ARABIA ? 1705-1825+ AR, ID (Arabiya-Al-Saudi), readings by men, as strong as Iran (15084) (Novello 11/7)  
 15080 CHINA RP; 1500-1510 EG, IS, ID, w nx, cmntry QRM/NIRT (Bryan, Fowler)  
 15084 IRAN NIRT; 0512 FS, A new type mx on this station after imposition of new regime by Shah. Ex. modern style of Ir. mx prev. featured. New Gov't has returned to Quran in apparent attempt to appease Muslim segment of population, causing current unrest. They also suffer from tech. problems. Is the staff in revolt or just frightened? (Pappas 11/8)  
 15105 ASCENTION ISL. BBC; 1745 EG, ID, IS, px. sch., "Sports Call" (Bryan)  
 15110 CZECHOSLOVAKIA R Prague; \*1430-1442 EG, ID, nx to SEAs & Pac. (Cucura)  
 15115 ECUADOR HCJB; 1235-1500 EG, Rel. pxs (McCants 10/19, Swanson 9/30)  
 15130 USA WYFR-Scituate; 0016-0030 SP, Bible Readings (McCants 10/14)  
 15130 RMWS; 0410/0718 EG, ID, Financial relations in cap. countries. "How Others See Us", Aussie Military, Chinese oppression (Bryan, Clark)  
 15140 SWITZERLAND SBC; 1315 EG, nx, px on SBC's problems w/farmers in construction of new antennas - 250 & 500 KW (Williams 10/14)  
 15135 FRANCE RFI; 0400 FR, sign/on nx, //11730, 11780 (Wood 10/26)  
 15145 BRAZIL RJC; 0250 PT, Brazilian mx, off suddenly 0252 (Novello 10/19)  
 15155 S.AFRICA RSA; \*0200-0250\* EG, ID, nx, US pop mx, "Sat. Night RSA", very good //11900, 9610, 9585 (five reporters)  
 15155 PHILIPPINES VOA; 1650-1700 EG, ID, sign/off (Plambeck 10-22)  
 15175 USSR RMWS; 0419-0430 EG, Interview, //15460, 15385, 15265 (Saaf 11/4)  
 15185 SRI LANKA VOA; 0215-0230 EG, "Breakfast Show" (Brown 10/30, Dayen 11/5)  
 15185 SPAIN SFR; 1720 SP, "futbol on a Sunday" (Wood 10/29)  
 15195 JAPAN RJ; \*2159-2215 EG, nx, cmntry on JP's concern over RS-VT Treaty (McCants 11/7) 0220 EG, AS, nx (Johnson) 0255-0300\* SP, ID (Marker)  
 15205 GREECE VOA; 1912 EG, World News (Rambo 10/14)  
 15215 USA VOA; 0200 SP, religious px. (Withers 10/15)  
 15215 W GERMANY RFE; 1425 RM, US Rock & Pop Mx (Prath 10/8)  
 15220 USSR RMWS; 1107 EG, Riga listed, poor. (Lobdell 11/5)  
 15225 HUNGARY R Budapest; 0223-0318 EG, DX Show, QRM/15220 (Rambo, Schmidt)  
 15230 CUBA RHC; 0205 & 0407-0420 SP, ID, Mx, Nx (Cucura 10/27, Withers 10/15)  
 15235 INDIA AIR; 0045-0100 EG, "Listeners Mailbag" fair (Wilkinson 10/23)  
 15235 JAPAN RJ; 0930-1030 EG, nx to Aust. & New Zealand (three reporters)  
 15255 NETH. ANTILLES TWR Bonair; 1232-1355 EG, Religious px (McCants 11/5-6)  
 15245 USSR RMWS; 0215-0242 EG, nx, cmntry, "Mailbag" (Bryan 10/13, Withers)  
 15260 ASCENTION ISL. BBCWS; 2045-2115 EG, "For Your Pleasure" px (Lovitt)  
 15290 ARGENTINA R EL Mundo; 2330 SP, ID, mx not //9705 w/sports (Behr 9/24)  
 15295 MALAYSIA VOM; 1030 CH, s/on, CH mx, pauses (Wood 10/18)  
 15300 FRANCE RFI; 1740 EG, "Mailbag", spec. ann. of elec. of Pope John Paul II-Vatican Radio was tuned to but not heard (Hywarren 10/16, Withers)  
 15310 OMAN BBC; 1300-1515\* EG, fair, stronger sig. came on fm. F.E. (Behr)  
 15310 BULGARIA R Sofia; 2003 Lang, s/on, tk w/M & W (Johnson 10/21)  
 15325 PAKISTAN RP; 0438-0445\* EG, YL reading EG, nx, ID (White 11/6)  
 15335 INDIA AIR; 1330-1500 EG, ID, nx (Bryan 10/22, Marker 10/14)  
 15335 MOROCCO RTM; 1030 AR, mx, chorals //15360 (Zilmer 10/18) (s.b. 15330 ed)  
 15335 AUSTRIA RA; 1657 FR, IS, ID, nx (Cook 10/10)  
 15340 CUBA RHC; 2300 PT, LA Tango mx (Withers 10/14)  
 15345 TAIWAN VOFC; 0000 CH, ID, vibe IS (Novello 10/29) 0100 EG, s/on to NA, nx, good accent //17890, 15425, clear signal (Wood 10/30)  
 15350 LUXEMBOURG RTL; 2300-0400 FR, On all night this night only. DJ w/US, UK, FR, pops. Px w/phone in reports from France. Singing ID which is unusual. FR wake-up px. very good (Novello 10/16)

15372. BRAZIL R Tupi de Rio; 2200-2300\* ? Back after 10 years? (Behr 10/26)  
 15375 EGYPT VO Africa; 2100 EG, nx, cmntry, mx (Zilmer 10/15)  
 15385 USSR RSPAP; 1315-1330 EG, ID, nx (Goss 10/15)  
 15400 LIBERIA VOA; 0342-0350 EG, ID, "Farmers Forum" (McClure 11/1)  
 15400 ASCENTION ISL. BBCWS; 1751 EG, Sportscast, World Series (Bryan 10/15)  
 15425 FRANCE RFI; 1750-1756 EG, ID, freq. sch., nx (Bryan & Withers 10/15)  
 15425 USA APRTS; 1530-1600 EG. Usual VOA px. suddenly off at 1600 & 15430 came on. Were they off freq.? (Brown 11/5)  
 15435 USSR R Kiev; 0300 EG, Wnx, UKnx, Youth mx (Cook 10/12)  
 15440 FRANCE RFI; 1350-1410 FR, tk, pop mx, px introduced by "Tarzan" yell and man singing in French. (McCants 10/31)  
 15450 PHILIPPINES FEBC; 2305-2330 EG, "Morning Has Broken" show, (McDavitt)  
 15450 USSR R Rodina; 1455-1505 RS, Rodina ID-1459, Mayak ID-1501 (Fraser)  
 15490 USSR RMWS; 1200 EG, nx, cmntry //15525 (Prath 10/29)  
 15503 USSR RMWS; 2030 EG, "Africa Mailbag" Cmnty on England (Woltman 10/15)  
 15520 USSR RMWS; 1500 EG, newscast //21490 (Zilmer 11/5, Williams 10/15)  
 15530 ISRAEL IBA; 1226 EG, adds for Auto & Chicken soup (Osterman 10/18)  
 15600 CHINA RP; 0225 EG Anti Soviet Propoganda, strong sig. (Novello 11/5)  
 15710 CHINA RP; 1150 CH, px w/local mx, tk by YL (Prath 10/15)  
 16190 USSR RMWS; 2345-2400 EG, (SSB) "Moscow Mailbag" new? (Hartsell 11/2)  
 17387 INDIA AIR; 1055 EG, s/off w/armts. by W. //15205 fair (Lobdell 10/20)  
 17650 CHINA RP; 1210 CH?, much tk by YL & OM (Prath 10/15)  
 17665 PAKISTAN RP; 1100-1115\* EG, news (Zilmer 10/12)  
 17695 GREAT BRITAIN BBC; 1520-1736 EG, cmntry & nx to Africa (Bryan, Saaf)  
 17700 CHINA R Peking; 0130 EG, CH & JP trade agreement (Dolyak 10/26)  
 17705 GREAT BRITAIN BBC; 1526 EG, cmntry on Yugoslavia (Bryan 10/18)  
 17710 PHILIPPINES R Veritas; 0300 EG, ID, "Mailbag", new sked. w/4-1/2 hr. EG brdcsts at 0000-0300, 1130, 1300, weak (Lobdell 11/7)  
 17715 GREAT BRITAIN BBC; 1626 AR, ID, mideast mx, freq. sked. (Wisblood 9/19)  
 17720 USA WINB; 1913-1958\* EG, "20th Century Reformation Hour", "Old Time Gospel Hour" (McCants 10/13-23)  
 17225 JAPAN RJ; 1030-0312 EG, nx abt Japan, China, Germany & mx //17755, 17825, 17795, 15195. fair to poor (Bryan, Earhart, Lovitt)  
 17725 AUSTRALIA RA; 0300 EG, nx to e. asia (Zilmer 10/21)  
 17740 GREAT BRITAIN BBC; 1445 RS, ID in EG inpo RS good (Wisblood 9/20)  
 17790 GREAT BRITAIN BBC; 1532 EG; cmntry on "Avoiding Diarrhea in Traveling (Bryan)  
 17800 CHILE VOC; 0115-0120 EG, cmntry on forces undermining gov't. (Lovitt)  
 17800 USA VOA; 1417-1435 LH, IS, Cmnty, pop mx, nx (McCants 10/23)  
 17820 PORTUGAL R Japan relay; 0700-0708 EG, nx, cmntry. poor //15105 (Clark)  
 17820 CANADA RCI; 1901-2000 EG, nx, weather, sports, letters. (Batson, Withers)  
 17820 USSR RMWS; 1210-1405 EG, nx, Soviet "Panorama" (Brown 10/29, Prath 10/8)  
 17825 AUSTRALIA RA; 0227 EG, nx, cmntry abt China, ID at 0230 (Bryan 10/13)  
 17830 PAKISTAN RP; 0230-0245\* EG, slow speed mx, good. //21590 poor. (5 rep)  
 17830 CANADA BBWS; 1645 EG, Sackville? hrd here instead of 17840, less QRM here I guess. //11775 (Hauser 11/5)  
 17835 USSR RMWS; 0530-0537 EG, brief nx, mx. (Earhart 10/15)  
 17840 ASCENTION ISL BBC; 1743 EG, mx, sign/off, good. (Saaf 10/14)  
 17840 NORWAY RN; 1300-1330\* EG, nx, mx, Norway's climate (Fraser 10/15)  
 1400, "Norway This Week" (nx & views) QRM R Moscow. (Zilmer 11/5)  
 17840 USSR RMWS; 1300-1330 EG, nx, mx, interview //15150 (Fraser 10/15)  
 17845 VATICAN VR; 1505 Lang. ID in EG, India (?) mx. (Withers 10/16)  
 17860 FRANCE RFI; 1705 EG, African nx (Withers 10/15)  
 17860 USSR R RODINA; 0245-0300 RS, Killing poor old Wellington //15280 (Brown)  
 17870 USSR R Kiev; 0030-0100 EG, Speech by Brezhnev, fair. (Mathews 11/5)  
 17870 N ZEALAND RNZ; 0200-0345 EG, nx, class mx, faded out. (Watts 10/19)  
 17880 USSR RMWS; 0450 EG, ID, weather, N. Orleans jazz. (Bryan 10/17)  
 17885 ECUADOR HCJB; 2315-2330 GM, tk in GM then ID'd & said wld cont in JP but went off the air. (Earhart 10/25) (Shouldn't this be 17890?-ed.)  
 17885 USSR RMWS; 0730-0800 EG, nx, mx, folklore, good. (Dolyak 10/14)  
 17927 CUBA RHC; 1955 SP, strong spur fm 17855. //17783. (Novello 10/25)  
 21460 BELGIUM ORU; 1610-1630 FR, jazzy mx w/cmnty by W. (Earhart 10/14)  
 21470 GREAT BRITAIN BBC; 1142-1415 EG, WS to Africa, nx, mx (Earhart, Saaf, Wisblood) 1542 AR, EG, lang. lessons (Bryan 10/18)  
 21480 MADAGASCAR R NEDERLANDS; 1421-1440 EG, ID, nx, mx req. (Bryan, Wisblood)  
 21490 USSR RMWS; 1136-1247 EG, nx, mx, vocals //21530 (three reporters)  
 21495 FINLAND RF; 0930-1030 EG, nx, local cmntry into FN (Watts Wood)  
 21505 SWEDEN RS; 1400 EG, nx. //21700 (Zilmer 11/5)  
 21530 AUSTRIA ORF; \*1230-1300\* EG, "Report from Austria" (Mathews, Zilmer)  
 21520 SWITZERLAND SBC; 1427-1455 FR. tk by M. good. (Wisblood 10/9)  
 21540 E GERMANY RBI; 1430-1445 EG, px abt using copper wire as an antenna, tk on farming, sports, ID. //15125. (Brown, Wisblood, Wilkinson)

- 21545 SWITZERLAND SBC; 1315 EB, SSB, nx //21630, 21520 (Zilmer 11/5)  
 21550 UK BBCWS; 1645+ EG. Now on later, while 21710 which formerly ran later was off. 13m outlets, good backup in NAM mornings (Hauser 11/5)  
 21560 ITALY RAI; 1737-1905\* IT, ID, IS, class. mx (Wisblood 10/9)  
 21580 FRANCE RFI; 1700-1900 FR. Telephone conversation, then M started yelling & lost his voice, then calm W between fits of rage by M. Very emotional those French! //21620, 21675 until 1800. //21620 after 1800 (EG, 1705-1755 ed.) (Wisblood 10/9) Paris calling Africa (Wheeler)  
 21595 FRANCE RFI; 1200 FR, nx, tk, mx. //21580 (Zilmer 11/5)  
 21610 G.BRITAIN VOA-Woolferton; 1335-1400\* Lang,tk, QRM,WYFR (Brown 10/29)  
 21615 USSR RMWS; 1231-1400 EG, nx, mx. //21490, 21530 (Sellers, Zilmer)  
 21625 PAKISTAN RP; 1100-1115\* EG, nx //17665, both good (Behr 10/25)  
 21630 SAUDI ARABIA R Riyadh; (none) mid east mx, stringed mx. (Wisblood)  
 21650 MOROCCO VOA; 1730-1800 EG, \*Music USA\*nice mx,nice signal (Brown 10/29)  
 21650 USA VOA; 1800-1830 EG, nx in spec. EG, Science in the nx (Lorz 10/24)  
 21660 CYPRUS BBC; 1345 EG, "Saturday Special" to SE Africa (Brown 10/28)  
 21665 W.GERMANY RPE; 1744-1805 PL, ID, Disco & pop mx, PL nx (Wisblood 10/9)  
 21685 MALAGASY R Nederlandas; \*1530 AR,tk, excellent sig. (Brown,Wisblood)  
 21695 S.AFRICA RSA; \*1756 FR, IS, ID in EG then into FR (Brown 10/30)  
 21705 UNID 1444-1558\* FR,tk, jazz mx, mentions of Paris,sounds like RFI but no //freqs.(Wisblood 10/9)(Identified as RFI by Zilmer in Nov.ed.)  
 21715 AUSTRIA ORF; \*1230-1255 EG, nx, cmntry, history (Brown, Zilmer)  
 21720 W.GERMANY RPE; 1300 CZ, nx, bulletin, jammed (Brown 10/22)  
 21735 UNID 1449, ME, mx, AR nx, F to G, who's here? (Wisblood 10/9) (identified as Morocco by McVicar in Nov. LRD-4 ed.)  
 24780 ANTIGUA BBVWS; 1301 EG. This harmonic not hrd much anymore as freq. only used in morn. before MUF builds up. 2x6195 (Hauser 11/2)  
 25570 USSR Soviet type "grind"jammer, ID as "FL" very strong, Wonder who they expect to jam on this out of band freq? 25605 IBA is often a target, but at this time? running open carrier w/no jam. (Hauser 10/29)  
 25620 FRANCE RFI; 1105-1400\* FR, mx & tk //21580, 21620, 21675(Behr,Lobdell, Sellers, Brown) This much better than any 13 mb freq., L.Magne has hrd 2 Soviet xmtrs testing on this freq. after 1400 (Hauser 10/14-15)  
 25690 PORTUGAL R Liberty; 1400-1700\* RS, over jammer (Behr 10/19)  
 25990 USA VOA Delano; 2315 EG, Bits of US newspapers //26095 (Higgins 11/5)  
 26095 USA VOA; 2215-2315 EG, "Breakfast Show"(Higgins,Earhart,Schmidt,Wheeler)

The following is a group of loggings from Glenn Houser in Tennessee. They are all harmonics of lower frequency broadcasts. I did not credit them individually in order to save space. For those of you who can receive these high frequencies, they should be interesting.

- 29020 UKOGBANI BBCWS; 1425, unusual on this freq. but is 4x7255KC (10/15)  
 30140 UKOGBANI BBCWS; 1328-1420, this sig. shows possibility of TV DX on 41 MHz; it is 2x15070KC (10/15-31)  
 30200 USSR (?); 1459, Mayak is heard here. 2x15100KC.site? (11/4)  
 30210 ASCENTION ISL BBCWS; 1615, sked shows 1600 s/on, 2x15105KC. (11/4)  
 30260 USSR RMWS; 1329 Lang. RS, IS into Lang. 2x15130. (10/31)  
 30270 USSR (?); 1419, Grind jammer, IDing as "UM" (10/15)  
 30290 BRAZIL R Journal do Comercio, Recife; 1339 PT, not audible on 15145KC or on 23-25 & 28-29 MHz ranges, shows how DX is best just below the prevailing MUF. 2x15145KC (10/31)  
 30300 ANTIGUA DW; 1329, good but under another carrier-prob.a repeater(10/31)  
 30328 COLUMBIA R Super; 1325, hrd w/ID. Noticias del Momento. 5x6065.6  
 30360 UKOGBANGI BBCWS; 1346 & 1416 AR, 2x15180. (10/15-31)  
 30390 ASCENTION ISL BBCWS; 1329 SP, off air relay. Strong. (10/31)  
 30470 COLUMBIA Ja Voz Del Centro; 1330 SP, 5x6094.8; still there at 2148  
 30470 PORTUGAL (?) RPE; 1638 CZ, 2x15245 which was jammed, tho not here(11/5)  
 30520 ASCENTION ISL BBCWS; 2150, 2x15260 (10/31)  
 30670 SPAIN REE; 1407 & 1555 SP, only 30 MHz on at this hour,2x15335 (10/15)  
 30780 UKOGBANI BBCWS; 1406 HG, 2x15390 (10/15) PL at 1502 (11/4)  
 30800 ASCENTION ISL BBCWS; 1710, to Africa, 2x15400 (11/4)  
 41250 FRANCE RFI; 1508-1800 FR. This is TF1 TV audio on AM; (various programs heard on 10/21, 10/31, 11/4, 11/5)  
 41500 UKOGBANI BBCWS; 1555-1735 EG, This is BBC-1 TV audio on AM, various programs, this type of DX should be good for the next two years during the sunspot cycle 21 peak. (Heard on 10/31, 11/4-5)

An abundance of good loggings this month without too much duplication. This is great. I am trying to use different loggings each month, or the most interesting ones. Try to give me something of interest from each program and I will try to squeeze it into the report without reducing the number of loggings. I want to make it as interesting as I can instead of just numbers.

73's til next month, *GA*

# FRENDX CREDITS

Deadline is  
the 12th of  
each month.

## LOG REPORTS

Send log reports to: David L. Walcott,  
2828 Rogerdale #108, Houston, TX 77042

Brian ALEXANDER, Mechanicsburg, PA (RF-2800); Sam BARTO, Watertown, CT (HQ-180/SX-190/SP-600); Robert C. BATSON, Kansas City, KS (SSR-1); Jim BAUDINO, Joliet, IL; Ernie BEHR, Kenora, Ont.; Allen BLACK, Longs, SC (RF-2800); Mike BROOKER, Toronto, Ont. (RF-2200); W. Noel BROWN, Ann Arbor, MI (FRG-7); Josephine I. BRYAN, Stockton, CA (FRG-7000); W.C. EURAS, Metairie, LA (SSR-1); Leslie BYRON, Laurelton, NY (Patrolman 9).

Robert W. CLARK, Phoenix, AZ (XCR-30); James C. CLIFFORD, Tacoma, WA (FRG-7); Anthony A. CLIFT, Camp Bellville, Ont. (Pye 1101); David COOK, Venice, CA (FRG-7); Vladimir CUCURA Jr., Reading, PA (FRG-7/RF-2800); David D'ANGELO, Broomall, PA; G.D. DAWSON, Sherwood Park, Alta. (FRG-7); Michael DAYAN, St. Louis Park, MN; Joe DELAP, Prairie Grove, AR; Kenneth A. EARTHART, Allentown, PA (FRG-7); Gene EASTMAN, Huntsville, TX (FRG-7/RF-2200).

Marlin A. FIELD, Hillsdale, MI; Gary FOWLER, Islington, Ont. (Yaesu FR-101S); Stephen FRANK, Pamona, NY (SSR-1); Robert FRASER, Cohasset, MA (XCR-30); Mark GODFREY, Broomfield, CO (ICF-6700W/QR-666); Robert A. GOSS, Houston, TX (DX-160); Ed GRANT, Brooklyn, NY (RF-2200); Harry L. HARTSELL, Lompoc, CA (FRG-7); Glenn HAUSER, Knoxville, TN (FRG-7/HQ-160); Earl HIGGINS, Riverside, IL (DX-160 w/20m. N-S longwire); Charley HOFFMAN, Manheim, PA (FRG-7/DX-160); Aaron HYWARREN, Winnipeg, Man. (ICF-5900W).

Douglas W. JOHNSON, Issaquah, WA (SP-600 w/146' window); Hans JOHNSON, Kingwood, TX (RF-2200); Jack R. JONES, Jackson, MS; Richard C. JORDAN, Bolton, Ont. (SX-190/SW-717); Rufus JORDAN, Pittsburg, PA (Transoceanic); Stu KLEIN, Gainesville, FL (DX-160); Terry L. KRUEGER, Casselberry, FL (QR-666).

David L. LABOSSIERE, Enfield, CT (HX-110); Michael T. LAIRD, Barnegat, NJ (DX-150B/SX-99); Chris LEITHNER, Brentwood, TN (RF-2200); Lawrence LORZ, Hilton, NY (SPR-4/FRG-7); David LOVITT, Wichita, KS (FRG-7); Donald L. McCANTS, Trussville, AL (RF-2800/DX-160); James T. McClURE, Lexington, KY (RF-4800/SX-190/FRG-7); Richard McVICAR, Prescott, Ont.; Brett MARKER, Rockford, IL (Sony CRF-320); William A. MATHEWS, Columbia, OH (FRG-7000 w/21 m. longwire); Richard H. MILLER Jr., Weirton, WV (RF-4800 w/80' inv. "w").

Jay NOVELLO, Endwell, NY (RF-2800/XCR-30); Sydney J. Osterman, Toronto, Ont. (FRG-7/SPR-4 w/"throwout random wire!"); Nick PAPPAS, Levittown, PA (SPR-4); Neal A. PERDUE, Falkville, AL (SX-100, Mk. 2/SW-4A w/150' inverted-L with L-C tuner); Loren G. PLAMBECK, Cloquet, MN; George POPPIN, San Francisco, CA (FRG-7); John V. PRATH, Ft. Lauderdale, FL (FRG-7/DX-160); Edward J. PYATT, Philadelphia, PA (RF-2800); Steven RAMBO, Shelbyville, TN (DX-60); Roger REINI, League City, TX (Zenith Royal 3000-1).

Lenny SAAF, Godfrey, IL (ICF-5900W); Jerry F. Schmid, Eau Claire, WI (FRG-7 & GAR-7); Harold SELLERS, Don Mills, Ont. (RF-2800/Tri 9R-59D); Todd SMITH, Wilton, CT (Astro 5); Wade SMITH, Westport, MA (FRG-7); Dan STAUNER, Stevens Point, WI (DX-120); Edward G. STROH, Riverdale, IL (SPR-4); Richard D. SWANSON, Wellman, IO (DX-160).

Leon TANNENWALD, Brooklyn, NY (SPR-4); Doug TAYLOR, Orlando, FL (DX-160); Glenn L. THOMPSON, Deming, NM (FRG-7); John F. THOMPSON, Madison, WI (HQ-160); Dave VALKO, Dunlo, PA (DX-160 w/127' & 88' longwires).

K.L. WATTS, Sumner Hill, N.S.W., AUST (FRG-7); Frank WHEELER, Andover, KS (RF-2800/DX-160 w/RAK-1 Dipole); Dean WHITE, Champaign, IL (RF-2800 w/15 m. longwire); George WILKINSON, Winnipeg, Man. (FRG-7/RF-2800); John D. WILLIAMS, Bloomington, MN (R-4C); Mike WILLIS, Nedlands, W.A., AUST; Steven WISEBLOOD, Santa Maria, CA (RF-2200); WITHERS, Richardson, TX; Frank WOLTMAN, Cambridge, WI (RF-4800/FRG-7/DX-160); Richard E. WOOD, Ashland, NH (HQ-180A/SPR-4/XCR-30/Selena w/350' longwire NW-SE).

Robert R. ZILMER, Milwaukee, WI (R-390A/SPR-4).



# A FRENDX classic



## THE ADVENTURES OF SHORTWAVE OHMS (AND WATT'S SON)

THE MYSTERIOUS CASE OF . . . THE VOICE OF THE GALAPAH GHOST (by Ralph Perry, April '73)

"Good Gilfer, Watt's Son!" Ohms coughed as he stumbled through the smokescreen to open only to be met with ". . . this program is coming to . . ." He closed the vent and muttered a small curse, shaking his fist at the VOA tower a mere mile away.

"Tally, Watt's Son?" Ohms chirped as he flicked on the tube.

"...to you from..." He turned it off. Mumbling something incoherent, he wandered over to the refrigerator--it was 4 pm and winter, obviously iced-tea time--and swung open the white porcelain door. Again, the familiar voice "...to you from the United States of America. Brrrree dee dee deet, brrest ddee dee, brrest dit dee dee deeee dah, brr..." He lunged for the jug of tea and violently slammed the refrigerator door.

"Watt's Son, sometimes I doubt the wisdom of living so near to this doggone transmitter site..." Ohms settled back into his goosedown chair. His mind was disturbed from its ever-so-short reverie when he realized that once again the familiar tune of Yankee Doodle could be discerned in the static of his hearing aid. A sad smile crept across Ohms' face and he resigned himself to the flutes and patriotic drums, even going so far as to tap his feet.

Suddenly, Yankee ceased his doodling and in its place a series of noises similar to the dying groans of a giant tortoise!

"Watt's Son!" he gasped, while quickly cranking up the transistorized gizmo FB and plugging it into the auxiliary speaker of his Alleycatter 54--and just in time for Watt's Son, also, to hear a snarling voice, the incarnation of QRN, exclaim:

"Heh-heh, Ohms, this is the voice of the Galapah Ghost! I and my mere mortal friend/ fiend, the sinister Dr. Cruel Essel, are about to end once and for all the sickeningly engrossing enjoyment of DX'ing. We plan, Ohms, to start our own shortwave station, the VOICE OF THE GALAPAH GHOST!"

"Ohms, I don't understand!"

"When have you ever, Watt's Son?" snapped Ohms.

The voice continued... "the crux of the matter, my dear Ohms, is that we will operate on ALL frequencies \*\*cackle\*\* and at all times day and night!! Incidentally, we intend, furthermore, to broadcast the same program over and over again. And then again! Imagine, Ohms, Tips For Real Living, 24 hours a day, forever!...cackle."

"Your only clue," the voice continued, "if you wish to attempt to engage in the folly of trying to stymie me, Ohms, is this: BEMARE OF THE CLOCK ON THE ROCK! Ha, ha!!"

Watt's Son nearly choked on the stub of his pipe. "The Clock on the Rock indeed!!

Good Gravy, Ohms! What fiendish mind is perpetrating this evil scheme--and why?!"

Strangely, Ohms sat calmly, and a swift-to-the-quick deduction ended the mystery and the threat of the Galapah Ghost.

"Relax, Watt's Son. Our old arch enemies have forgotten one small thing. One detail that totally disrupts their scheme and dashes hopes of those vile cads!" Watt's Son knitted his eyebrows, his mouth hanging open.

"Don't you see it, Watt's Son, ole boy?" Our friend the Galapah Ghost has forgotten the year is 1973!"

"Blimey, Ohms, I can't catch your wavelength." Watt's Son scratched his head.

"Elementary, my dear Watt's Son. By the CLOCK ON THE ROCK, our friends are obviously alluding to Boulder Colorado, the old site of WWV. The Galapah Ghost and his cronny the sinister Mr. Cruel Essel had mistakenly planned to reactivate the equipment left fallow in Boulder by the National Bureau of Standards when the move to Fort Collins was made. Yes, Watt's Son, reactivate those transmitters--to serve their own evil purposes!"

"Suffering sub-audible harmonics!" gasped Watt's Son. "But why, Ohms, why oh why aren't you worried? You act as if the case is already solved."

"Well, chum, it's this simple. Although the story is being written in the 1970's, the Galapah Ghost has mistakenly assumed that the date is also such. Nonsense! Why, look at my DW calendar on the wall! Old boy, it's 1958! The WWV won't be moving from Boulder for more than 10 years from now. The transmitters which they'd hoped to seize are thus, to be succinct, 'taken' for some time to come! Case closed!" Ohms sat down, smiled and began to type another anonymous report to VOA.

"Oh, yes, I almost forgot," added a self-pleased Shortwave Ohms. "As you know, old boy, in each of my last 43 adventures I've always closed with a short moral. And this is my sermon in the case of the GG: how twisted people become when they allow their goals to become so false!"

"Quite so, Ohms," Watt's Son blundered.

"Ah, well, c'mon dear fellow," Ohms smiled. "How about helping me finish this report to Falklands? Heard 'em yesterday at 1700 GMT."

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## FLASHBACK

(also from April 73)

Bill Matthews . . . postcards from Columbus Ohio that our item about the improbability of "Stars and Stripes Forever" being played by Radio Moscow is incorrect. Writes Bill, "Radio Moscow does play The Stars and Stripes--at least they did for years on a program called "Bands Across the Ocean (or was it 'Sea')". Believe it or not, it was (is?) the opening theme song. Program dealt with Soviet-American friendship." TNX Bill. (Bill is a former SWC editor and one of the best).

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### NOTICE PLEASE:

FROM: Donald Erickson, 6059 Essex St., Riverside, CA. 92504 714-687-5910

RE: World Radio TV Handbook 1979

FOR IMMEDIATE RELEASE THROUGH  
DECEMBER 15, 1978 only

TEXT:

#### WRTVH 1979 Advance Orders

Advance orders for the World Radio TV Handbook 1979 which will retail for \$14.95 are being taken now. This year, copies will be air freighted from Europe and re-shipped by UPS. The advance order price through 12/31/78 is \$12 including UPS charges. All profits over the wholesale price, air freight charges, and shipping costs will be turned over to the Handicapped Aid Program. All orders must be accompanied by remittance payable in U.S. dollars. Personal checks, money orders, and bank checks are acceptable in the U.S. Canadians, please use International Money Order. Each order must be accompanied by a stamped, self-addressed envelope. Canadians, please place an unattached postage stamp inside the envelope. The deadline for orders at \$12 is Dec. 31, 1978. After that date, the price is \$14 and delivery from air freighted stock can not be guaranteed. Publication is not expected until at least Feb. or March of 1979 but orders are required now to arrange for air shipment. Handicapped Aid Program and this bulletin/publication accepts no responsibility for this offer and inquiries/complaints should be addressed to Donald Erickson. Please make all funds payable to: DONALD ERICKSON and mail early enough to arrive no later than 12/31/78. Please mark envelopes "WRTH 1979" in lower left-hand corner and mail to:  
Donald Erickson, 6059 Essex St., Riverside, Calif. 92504.

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# PUBLISHER'S PAGE

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## THE COVER

This month's cover was designed by Wesley Thompson of Huntingdon Valley, PA and first appeared on the December 1977 FRENDX. I'm repeating it this year for those members who haven't seen it. It's a beautiful combination of the Holiday Season and the SWL/DX Hobby.

VAUDEVILLE LIVES (ALTHOUGH IT'S VERY ILL) DEPT. The following items were sent in by Dave Valko, Dunlo, PA.

Did you know DXers are quite dangerous?  
No, why?  
They're "radio-active"!  
.....

QUESTION: What do a tight end in football and a radio  
have in common!

ANSWER: They're both receivers!

HELPING HAND: For sale. (1) Yaesu FRG-7, Gilfer tuned - \$160. (2) Kenwood QR666 - \$100. (3) McKay Demek DA-100 antenna - \$50. Original cartons and manuals. Shipped UPS prepaid. Donald W. MacLean, 16114 Southampton Drive, Spring, TX 77377. Phone: (713) 627-1720 days; (713) 376-8766 evenings and weekends.

HELPING HAND: For sale. Barlow-Wadley XCR-30 Mark 2 in mint condition with original carton and manual. Free UPS shipping. Price \$175. Contact: Francis Fumelli, 500-52A Peconic Street, Ronkonkoma, NY 11779. Phone: (516) 585-7469 evenings. No collect calls, please.

HELPING HAND: For sale. Drake SW-4A with manual, 60 mb crystal and matching MS-4 speaker - \$240. Hammarlund HQ-100AC with 24 hour clock - \$115. Autek QF-1 audio filter - \$42. Gilfer P.M. II CX Preselector - \$35. All pieces in excellent condition. Shipping extra. Contact: Stephen E. Pitts, 1987 Mockingbird Drive S., Salem, OR 97302.

HELPING HAND: For sale. Drake R-4C with 4 kHz and 1.5 kHz filters. One year old, in mint condition. Price \$395 UPS paid. Kenneth M. Duke, 5038 Bridgeport Road, Columbus, OH 43220. Phone: (614) 457-9548.

HELPING HAND: Wanted. The Little Egypt DX Association wishes to obtain past issues of FRENDX and NASA bulletins and would like to contact any club historians for the purpose of putting the club's history in writing. Also interested in bulletins of other clubs and their histories. LEDX is starting a hobby library which will not lend out material, but will give out information by phone. Donations will be gratefully accepted, but we will pay for as much material as our budget allows. Contact: Bob Harrison, 100 Susan Lane, Cartersville, IL. Phone: (618) 985-4536. No collect calls, please.

HELPING HAND: Wanted. Old Heathkit catalogs, 1968 to 1977. One catalog from each year. Rob Harrington, 3181 South York, Englewood, CO 80110.

May I take this opportunity to wish all of you a Merry Christmas  
and a Happy and Prosperous New Year.

*Bill*

# NASWA "UNITY AND FRIENDSHIP" ★

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UPDATE: Besides FRENDX, 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 FRENDX). It is only available to NASWA members.

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