

DECEMBER — 1977

frenDX



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



We welcome 39 new NASWA members joining during October. We should explain to those who have joined recently that they will be receiving their new member packets soon. We are running a little behind here at Headquarters.

BERG, David, Fergus Falls, MN
 BURKE, Arthur L., Jr., Leesburg, FL
 BURKHOLDER, Clay B., Lucasville, OH
 CATE, Robert I., Concord, NH
 CHARRON, Real, Regina, Sask.
 CHRISTENSEN, Alan L., W. Covina, CA
 CLARK, Robert, Phoenix, AZ
 COLLIN, Robert W., Guttenberg, NJ
 COTSIRILOS, D., Addison, IL
 CROOKSHANK, Arthur, New York, NY
 CURTIS, Anthony R., New York, NY
 DALUM, Gerald R., Grissom AFB, IN
 FELTY, David N., Wilmington, OH
 FOLLMAN, Dave, Seattle, WA
 GANS, Gary M., Jerusalem, Israel
 GERTH, John H., Morristown, NJ
 GOERING, Larry R., Hutchinson, KS
 GOUGH, Paul, Wallingford, CT
 HOZEY, Danny H., Calhoun Falls, SC
 HUTCHINSON, Steve, Kapuskasing, Ont.

JERNAKOFF, Peter, Cambridge, MA
 LAWRENCE, David G., Goose Bay, Labrador
 MADELEY, W. Martin, Northbrook, IL
 MARTEENY, Herschel E., Phoenix, AZ
 MILLER, Eric, Dorchester, MA
 MORGENS, William A., Columbus, OH
 NOGUCHI, Minoru, Saitama, Japan
 PAPPAS, Nick, Levittown, PA
 PEDERSEN, Bob, Buffalo, NY
 PINE, Jerry M., Los Angeles, CA
 ROBERTS, Don D., Waterloo, Ont.
 ROBERTS, Duncan I., Napa, CA
 SCHNEIDER, A.J., Denver, CO
 SNOW, James S., Darien, GA
 SOMERVILLE, Bob, Ruskin, B.C.
 STOCKDALE, Peter, Vancouver, B.C.
 TRUMBO, Ruth, Des Moines, IA
 TURNER, Jane, Charlotte, NC
 WURSTER, Ernie, St. Petersburg, FL

BOOK AUTHORS BEING SOUGHT: Gilfer Associates, Inc. is seeking book manuscripts on topics related to shortwave listening and international broadcasting...preferably from previously unpublished authors.

One possible manuscript should develop the whole picture of SW listening from a historical viewpoint as well as a "how-to" approach. An emphasis should be placed on developments in the past five years and a glimpse of what the future holds for SWL'ing. A solid background in equipment usage is a prerequisite. Target manuscript length between 60,000-75,000 words.

A second manuscript being sought could deal with "hints and kinks" for better SWL'ing. Short capsule ideas and practical suggestions concerning accessories and techniques with drawings and photos are required. Target of 50-75 ideas minimum.

Both manuscripts would be published in 1978 and would receive international distribution. Authors would receive substantial fees, including an advance against future royalties based on a print run of 10,000 copies.

Other manuscript ideas will be considered. Contact Oliver P. Ferrell at Gilfer Associates, P.O. Box 239, Park Ridge, NJ 07656.

NEW PUBLICATION AVAILABLE: The Ontario DX Association (ODXA) announce they have a new 47 page "Spanish Reception Report" book to explain to English speaking DXers how to write a reception report in Spanish. Topics included are the Spanish alphabet and numerical system, call letters, monetary units, time checks, station ID's, commercials, etc. The price is \$4.00 Canadian or 16 IRC's. Send orders to Ontario DX Association, 1202 York Mills Road, Apt. 1910, Don Mills, Ontario, Canada M3A 1Y2. Money orders or IRC's only, no checks or stamps.

NASWA

A REPORT FROM
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
DECEMBER, 1977

IMPORTANT ANNOUNCEMENT

All Log Report contributors should make note that effective immediately, distributing editor Greg Ravenhorst has a new mailing address which will be in effect for a few months. All log reports should be mailed to Greg Ravenhorst, c/o Sunset Bay Camp, Baby Lake, Hackensack, MN 56452. Use this address until further notice.

SOME PERSONNEL CHANGES: We announced last month that QSL editor Bill Oliver would be giving up his section in favor of taking over as FRENDX publisher starting with the February issue. We are pleased to report that advance preparation for this change over is going very smoothly.

Sam Barto, our present LR-B Log Report editor has ask to take over the QSL Report since he has special interest in this area of the hobby. Starting with the January issue, Sam will be doing the column, so all reports for QSL Report should be sent direct to Sam at 245 Cherry Ave., J-11, Watertown, CT 06795. Sam is also QSL editor for Newark News Radio Club, so we feel he can also do a good job for us at the same time. We appreciate and thank those who responded to our call for a QSL Report editor in the November FRENDX.

A new LR-B Log Report editor to replace Sam Barto has also been named. He is Steven C. Wiseblood, 707 Loma Way, Santa Maria, CA 93454. Steve has been a SW DXer since 1964 and is a former log editor for "VHF-UHF Digest" published by Worldwide TV-FM DX Association. Steve's first column in FRENDX will be in the January issue. We are glad that he was available on such short notice.

Edward C. Shaw, Lexington, KY recently notified the NASWA Executive Council that he wished to resign from the EC in order to be able to devote more time to his personal matters as well as DXing activity. We appreciate Ed's past service to NASWA and we wish him well, and hope he will find time to continue to contribute to FRENDX from time to time. A new Executive Council member will be selected and announced in a future issue.

AL NIBLACK LOCATED: In the October FRENDX we mentioned we had lost contact with A.R. "Al" Niblack, DXer emeritus, past ANARC Man of the Year, NASWA charter member, and former FRENDX editor. NASWA member Irvin F. Marutz of Vincennes, IN writes to say that he recently visited with Al, and that his present address is c/o Beverly Manor Convalescent Center, 1321 Willow St., Vincennes, IN 47591. It would be nice, especially at this time of the year, if those who knew Al during his years with NASWA would drop him a note or send a card.

BOY SCOUT RADIO MERIT BADGE: Roger N. Peterson, 25 Orchard Lane, New Canaan, CT 06840, NASWA member and former Scoutmaster has been in touch with the National Office of Boy Scouts of America offering to assist in updating the merit badge for Radio to include other areas in addition to amateur radio.

We have word from the National Office that they are interested, and Roger has volunteered to head a small committee of NASWA members to work on this project. Any NASWA member who has good DX experience as well as a knowledge of Scouting and familiar with merit badge requirements, and who would be willing to work on this committee is requested to get in touch with Roger at the address given for additional details of what would be involved.

LAST ISSUE FOR 1977: It's hard to realize that this is the final issue of FRENDX for 1977. 1977, in some ways has been a rather involved year for NASWA, but we have come through it in fine shape. It should be noted that, with one or two exceptions, the same group of people who put the January issue together are still around to put the final 1977 issue in the mail.

On this note, I as Executive Director would like to wish all the FRENDX staff and the loyal membership the best of Season Greetings.



M. R. Leonhardt
Executive Director - NASWA

shortwave CENTER

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

DECEMBER 1977

Welcome to another issue of FRENEX. This has been an eventful year for NASWA. We hope that we will continue to inform you and keep you abreast of the latest developments in shortwave broadcasting in 1978. We need your contributions to Shortwave Center and the other FRENEX sections, so keep the information and articles coming. Thanks to this month's contributors.

DX 160 vs FRG 7

THE DX-160 VERSUS THE FRG-7

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

In previous FRENEX articles the FRG-7 has been compared to the SSR-1 and vice versa. This article will compare a DX-160 to a FRG-7. A DX-160? No comparison you say. But a DX-160 using a Mattis Electronics digital frequency readout makes the comparison interesting. You will be surprised at the results!

A 50 foot long wire antenna as well as a multi-band (SW) dipole antenna was used for comparing the two receivers. A 10 foot piece of wire was also used as an antenna at times.

First, tuning accuracy. The DX-160 with digital readout will precisely a station's frequency to 1 kHz or less. The FRG-7 can only resolve a station's frequency to between 1 and 5 kHz depending on what part of the tuning range you are using (My FRG-7 Mark II has a maximum error of only 2.5 kHz).

Second, drift. The received frequency on the DX-160 does drift during the first few hours of operation whereas the received frequency on the FRG-7 is virtually drift-free even when the receiver is first turned on. But the use of the digital readout on the DX-160 makes drift unimportant.

Third, images. The DX-160 has them above 10 MHz and the FRG-7 is devoid of them (some oscillator birdies are present though).

Fourth, RF gain. The DX-160 is excellent to good from medium wave to 13 metres but degrades drastically at 11 and 10 metres. The FRG-7 is excellent above 1.5 MHz, but can be very poor on medium wave (depends on antenna used).

Now I come to the fifth and most important SWL parameter, selectivity. Here is where a surprise was found. The DX-160 was actually superior to the FRG-7 by listening and tuning comparisons! On a IF sweep scope, the FRG-7 IF filter was better than the DX-160 but the extremely wide band spread of the DX-160 gives it the apparent selectivity advantage over the very precise and narrow band spread tuning of the FRG-7. Even the fine tuning control on my FRG-7 Mark II doesn't improve AM selectivity to the point of matching the DX-160. This very advantage makes me prefer my old DX-160 over my new FRG-7 even though the DX-160 has image problems and poor RF gain above 13 metres. In fact, everything I can hear on the FRG-7, I can also hear on the DX-160. In many cases the received weak station sounds better on the DX-160 than on the FRG-7. Also I have improved the tuning accuracy of my FRG-7 by adding a special digital frequency readout to it. (See page 44.)

So, if you have a DX-160, don't give up on it and trade it in for a FRG-7 or SSR-1 just because of its poor tuning accuracy. Upgrade it with some sort of digital frequency readout and you'll be more accurate in frequency finding and logging than the FRG-7 and SIR-1 boys. You'll also enjoy SW listening a lot more at lower total cost.

Pennants

WHO GIVES PENNANTS?

by Ricky Baum
Gainesville, Florida

The August 1977 issue of the Miami Valley DX Club newsletter had a list of shortwave stations that give pennants. I thought some FRENEX readers would be interested.

COUNTRY	STATION	DESCRIPTION	SOURCE
Ecuador	R. Zaracay	Black with white borders	MVDXC
Ecuador	HCJB	Gold lettering on blue background with transmitter between three hills	MVDXC
France	RFI	Blue border with white background	MVDXC
Israel	IDA	Blue background with white lettering, IBA symbol, cloth	MVDXC
New Zealand	RNZ	Blue background, circular design, paper	MVDXC
Norway	R. Norway	Norwegian flag, small, cloth	MVDXC
S. Africa	Springbok R.	Dark green border, white lettering	MVDXC
Sweden	R. Sweden	Yellow border and lettering, blue background	MVDXC
USSR	R. Moscow	Red background, white border and lettering, very small	MVDXC
Turkey	V. of Turkey	White background, black lettering, with Turkish flag	MVDXC and personal experience.

I suggest you write to the station for details on how to receive the pennant. I can tell you that the requirement for the Voice of Turkey pennant is a reception report that is correct and at least 15 minutes long.

 (Editors Note: Reports on military-type receivers, particularly the Collins R-388 and the R390, have resulted in many additional comments being received at Shortwave Center. These articles and comments will be presented as space permits because of the interest created. We also have a dearth of reports on other old or new receivers.)

51J-4

MORE ON THE COLLINS 51J-4 RECEIVER

by Jay Golden, Chicago, IL

The article by James Wilson in the August SWC is a fine description of the Collins R-388 general coverage receiver. After owning a 51J-4 for a year or so, I can agree with Mr. Wilson's observations about his R-388(51J-3). There are, however, some additional comments regarding these receivers that could prove useful to any SWL contemplating purchase of one.

To begin, the mechanical filters in the 51J-4 are indeed expensive and the only reason to pay more than for a 51J-3. The filters are 1.4, 3.1, and 6.0 kHz, and set the maximum bandwidth in the IF passband. For the SWL, the 3.1 kHz filter is perhaps the most useful, since the 1.4 kHz filter removes too much sideband, thus degrading an AM signal, and the 6.0 kHz filter allows the entry of RF information of undesirable nature on either side of the signal. That's a lengthy way of saying that 1.4 kHz is too narrow and 6.0 kHz is too wide. So, two of the three mechanical filters are nearly useless to an SWL, but a ham will relish having the 1.4 kHz filter for copying CW and RTTY. Defective filters (they don't last forever) can be replaced at a cost of \$50 each on the surplus market. The combination of mechanical and crystal filters is, however, a positive joy if you are working splits or SSB uses.

The noise limiter is handy, but not nearly so much as a noise blanker would be.

Wilson's article correctly extolled the virtues of the Collins PTO (permeability tuned oscillator) that is the heart of this and all subsequent Collins tube-type SW receivers. In time the PTO ages and develops non-linearity, which can increase to where the zero set cannot compensate. Within limits, the PTO can be reworked to return it to specifications (± 1 kHz over 1 MHz), but only a highly qualified technician will be willing to attempt this, and it will be expensive. Any technician who has never done this should be avoided. The dial readout of the 51J series, besides being larger and easier to read than the odometer mechanism of the R-390 series, is not prone to the problems that are inherent in the complicated gear system that connects the R-390 odometer to its PTO.

The tube design of both these receivers is a problem that will increase as tube manufacturers leave the business (RCA already has). Tubes for the 51J are easy to find, but the R-390 uses several that have become hard to come by, and one soon realizes it is advantageous to keep spare tubes on hand. These are large radios; but the 51J is not as

big as a R-390. Because they were designed and built for military use where they were intended for operating 24 hours a day, 365 days a year, to locate a unit in good shape is to find what is very nearly an indestructible receiver.

The IF conversion scheme almost precludes attachment of a frequency counter, but a panadapter works quite well when connected to the output of the first mixer, with subsequent realignment of the primary of the first IF. The panadapter is also fun to watch.

My 5LJ-4 was acquired from a ham for \$310 and it cost \$165 to cure its ailments and bring it up to specifications. Worth every penny, in my opinion.

Sensitivity, selectivity, stability, and general coverage are the advantages of the Collins 5LJ line. If owning a 20 year old professional receiver with 14 or 15 controls is your idea of fun, then you will scramble to locate one. Just be careful to evaluate its condition properly.

Portables

ANOTHER COMPARISON OF THE PANASONIC RF-2200
AND SONY ICF-5900W

by Malcolm Kaufman, Bayside NY

In late June New York area DXers Chris Hansen, Eric Bersh, and myself had the opportunity to spend an afternoon testing the new Panasonic and Sony linear readout shortwave portables. Eric had just purchased the Panasonic and I was able to borrow the Sony unit from a friend. We believe we were among the first DXers, after Larry Magne who had a comparative report in the June FRENDX, to actually sit down with the two units in hand and weigh their relative merits.

The testing we did was, in the final analysis, quite subjective. We had no test equipment available and the conclusions we walked away with are based mostly on feel and the impression left by several hours of use. The observations outlined in this brief report are primarily my own.

First, I should say that it is really impossible to give one set a distinct advantage over the other. The listener has to really determine his own needs and decide accordingly. The price on both is right. Both are available here in the New York area for under \$120. Who would imagine that frequency readout, double conversion portables would have been available at that price several years ago? At the same time, I found both units to be suffering from major flaws and am far from satisfied with either one.

The Panasonic comes closer to being a true portable communications receiver in that it is more flexible. There is a choice of two bandwidths and a RF amplifier to vary sensitivity. That would seem to mean better performance in the Panasonic for the SW DXer. And I guess that is true to a degree. We tended to find the Panasonic doing a slightly better job in pulling those weak stations out of the mud and selecting out stations spaced only 5 kHz apart. Still, the sensitivity and selectivity controls seems gimmicky and I question whether their presence added much to the actual performance of the receiver.

I really found the Panasonic readout lacking. To get a really accurate reading, two different calibrators must be set, much more time consuming than the one on the Sony. Plus, Panasonic has a full megahertz on their readout dial. I find it very similar to the Yaesu; the markings are so closely spaced together that the readout is frequently perceived by the user incorrectly and extended use leads to eyestrain. The Sony, on the other hand, uses a readout dial encompassing only 250 kHz. The markings are further apart, hence much easier to read. The Sony's readout tended to be more consistently accurate.

I would give a slight edge to the Panasonic in overall FM performance. For the casual listener, the Sony certainly has greater audio output, but for DX purposes, I found the Panasonic to be handling marginal catches better.

As mentioned in Larry Magne's review, the Panasonic S-meter is completely inadequate. It tended to pin on any signal, no matter how weak and when it didn't fully deflect, it seemed very unstable, fluttering back and forth. I don't think this is attributable to the actual signal involved as the Sony did not seem to respond to the same signals in such an erratic fashion. Also, the Panasonic S-meter deflects to the left. For those of us accustomed to S-meters deflecting in the other direction, that will take a bit of getting used to.

The Sony unit, lighter and smaller, is logically more portable. It is just small enough to make it into your suitcase or backpack. The Panasonic, unfortunately, is going to have to be carried separately. For those interested in a set that they can easily take with them on a trip, this may be an important consideration.

After having tested the Sony earphone and tape outlet, I've pretty much given up on the possibility of doing any serious taping with the set. Unless the set is blasting full volume, your recorder will pick up nothing from the taping outlet. The quality from the earphone jack is dubious. The unit seems to be compatible for taping only with recorders having a low impedance input capacity. On the other hand, the Panasonic output jacks performed quite acceptably. Those who like to tape their catches will be very disappointed with the Sony.

I think a SWLer would be a little bit more comfortable with the 5900. As I mentioned, the readout is far easier on the eyes and certainly more accurate. Also, there's somewhat less of the het effect that tends to slip in on almost every SW signal. The Sony is cleaner in that regard and the casual SWL will appreciate that.

He'll be somewhat less appreciative of the fact that we found numerous MW images on the SW band. Then again, the Panasonic is more subject to SW overload. You will be apt to find Sackville underneath the transmissions of other broadcasters.

Let me briefly turn to the performance of the units' MW section, because to me this is the most serious drawback with both models. The front end for both seemed completely inadequate in dealing with the number of local MW transmitters, some of 50 kW, in my area. Both chormically overloaded. Hets were present on both, certainly worse on the Sony. In both cases the hets were so strong as to defy detuning. Images of MW locals covered the Panasonic AM dial, though this could be corrected by sharply dropping the gain through the use of the RF amplifier. As bad as it is, the Sony's front end was probably slightly better than the Panasonic. You stand a better chance of pulling in the weaker out of town signals either adjacent to or near the locals with the 5900. Neither set will satisfy anyone with even a passing interest in the AM band. But, keep in mind that these problems crop up in a large city with a number of transmitters in close proximity to the listener. The rural DXer may have no problem at all.

The external antenna terminals function adequately on both receivers. The same cannot be said for battery operation. Both sets suffer a serious loss in gain with batteries. Serious DX would be compromised by operation in that power mode.

As a general rule of thumb, I would recommend the Panasonic to a DXer, the Sony to a SWLer. The Panasonic's selectivity and sensitivity seem a little bit better on SW and the set has some versatility that the Sony doesn't. The SWLer will be attracted by the Sony's ease of operatbn and more het free reception on SW.

One last point. There was a third set available during the comparison. A Grundig Satellit 2000. I purchased one two years ago and have yet to run across a portable that really compares in performance or features. Eric and Chris came to agree. They both plan to place orders for the new Satellit, the 2100.

Update

ENGLISH TO NORTH AMERICA - UPDATE
by Roger Legge, McLean VA

To Eastern and Central North America (# = also on Western NA schedule)

<u>GMT</u>	<u>Country and Station</u>	<u>Revised Frequency Schedule</u> (changes underlined)
1900-1930	CANADA R. Canada Intl.	11865, <u>15325</u> (Delete 1930-2000)
2130-2220	NETHERLANDS R. Nederland	6020, 6085, 9715
2230-2320	#SOUTH AFRICA Radio RSA	9585, 11900, <u>15155</u>
2230-0400	USSR R. Moscow	Add <u>7195</u> , replacing 7355, add <u>7440</u>
2300-2330	LITH. SSR R. Vilnius	7150, <u>7215</u> , <u>7360</u> , 7400
0000-0100	BULGARIA Radio Sofia	<u>6070</u> replacing 9705
0030-0100	UKRANIAN SSR Radio Kiev	7150, <u>7215</u> , <u>11690</u> , <u>11790</u>
0100-0450	CUBA R. Havana Cuba	9685 replacing 11930
0200-0230	HUNGARY R. Budapest	6000, <u>6160</u> , 9585
0200-0230	#CANADA R. Canada Intl.	<u>6185</u> , <u>9535</u>
0300-0330	#CANADA R. Canada Intl.	5960, <u>6185</u> , <u>9535</u> , 9605
0300-0330	#HUNGARY R. Budapest	6000, <u>6105</u> , 9585
0300-0330	UKRANIAN SSR Radio Kiev	<u>7215</u> , <u>7360</u> , 7400
0330-0400	AUSTRIA Austrian Radio	6155, 9770 (Correction of 9700)
0400-0430	CANADA R. Canada Intl.	5960, <u>9535</u>

<u>GMT</u>	<u>Country and Station</u>	<u>Revised Frequency Schedule</u> (changes underlined)
0500-0515	#ISRAEL IBA	5900, 7412, <u>9740</u>
<u>To Western North America</u>		
2230-0200	USSR R. Moscow	Add <u>15180</u> (to 0100)
2300-2330	LITH. SSR R Vilnius	<u>11690, 11790, 15100</u>
0030-0100	UKRANIAN SSR R. Kiev	<u>11690, 11790, 15100</u>
0200-0300	USSR R. Moscow	<u>5900, 9580</u> (from 0230), <u>12010, 15140, 15455</u>
0300-0330	UKRANIAN SSR R. Kiev	<u>5900, 6150, 9580, 11860</u>
0330-0730	USSR R. Moscow	<u>5900, 6150, 7130, 7175, 7260, 9540, 9580, 9610, 9735</u>

All above via Soviet Far East, except 11690 from Central Asia.

Thanks to Kim Andrew Elliott who typed last month's English to North America and to Roger Legge for providing the information-ed.

WRUL

THE SCITUATE TRANSMITTER

by Robert Fraser, Cohasset, MA

One of the more familiar sights, growing up in Scituate, Mass., was the antenna farm of WRUL, located near the beach just north of the harbor. While in high school, I was told the history of this radio station. But at the time, like many, I believed shortwave was an exotic thing only for the Chosen Few. Hopefully, my recollections of those long gone days will not prove too erroneous.

WRUL was conceived by an ex-army officer who, having seen the horrors of World War I first hand, hoped to bring a lasting peace and understanding to the world through the new medium of shortwave radio. The studios were located in Boston while the transmitter was placed at the small seaside village of Scituate, some 25 miles to the southeast. The site chosen for the transmitter was a 40 acre plot two miles north of Scituate Harbor. The U.S. Army had used this site to test cannon and shells during the First World War, then had abandoned what has since been called the "Proving Grounds."

The Scituate transmitter was built and went into operation in 1936, during the town's Tercentury. At first, it had four 50 kW transmitters and 6 or 7 curtain antennas supported by tall, thin steel skeleton masts. WRUL broadcast educational programs to Europe and Latin America.

Although called "Boston Radio", this title was not used locally - it was always called WRUL. To us, "Boston Radio" meant the Bell Telephone Company's marine-phone station WOU at Boston.

Long after the station was built, this area of Scituate remained a wilderness of forest, briars, and brush. I knew high school kids who skipped in the fall to hunt there; many now own homes there. In fact, it wasn't until about 20 years ago that this area became a housing development.

The people in the nearby harbor district often received WRUL's programs whether they wanted to or not - either by way of the small AM radios with their inadequate shielding, or from radiators and other metallic objects through sympathetic vibrations. But their complaints were nothing compared to the howls the transmitter's engineers received from the townspeople when that new medium, television, came out. The early TVs were unstable enough, with their flickering flopping pictures, without the multi-watt interference from the shortwave station. More improved filtering systems installed at WRUL put an end to most of the yelling.

With our entry into World War II, the U.S. Government took over WRUL and the transmitter was heavily guarded. I have been told that the Government never relinquished its control over the programs for as long as WRUL existed.

WRUL was purchased in the mid-1960's by Radio New York Worldwide, Inc., and the call letters were changed to WNYW. The shortwave station was now a commercial venture. Many foreign listeners must have been greatly surprised to hear a honeyed-voice announcer exhorting them to place their savings into a New York City Bank or to buy a certain brand of auto. They were now receiving the "benefits" of the American Commercial, something we had grown inured to over long years of our commercial AM radio stations.

In January of 1973, Family Radio, Inc., a religious organization which has a number

of FM outlets, began its SW broadcasting by buying time over WNYW. At this time, WNYW was having some financial troubles and ten months later, in October of 1973, Family Radio purchased the Scituate transmitter. The call letters were again changed, to WYFR. At present, the station has two 50 kW and three 100 kW transmitters and nine curtain antennas. The additional antennas are supported by tall wooden poles instead of the usual metal skeleton masts.

Family Radio hoped to add additional and better equipment, but found themselves hampered by the small area and the fact that it was now hemmed in by many new homes and a school. In 1976, the organization purchased a 660 acre tract in the wilds of central Florida. The new Florida station has two 100 kW transmitters and two pairs of dual rhombic antennas, and is scheduled to be on the air for the first time at the end of 1977. Both the Scituate and Florida transmitters will be in operation, but within a few months, the Scituate station will be shut down for good.

Just what will become of the Scituate radio station is as yet unknown. Possibly it may become another shortwave station or relay for an existing SW station. Possibly it may become one of the new and growing community of FM stations. Or, more likely, the site will become another housing development with only a street name to recall this short-wave radio station.

(I wish to thank the people of Family Radio, Inc. for the technical information on WYFR.)

Logcards

THE HANDY LOG AND TRIFTY TOO

The use of logs with notecards by Mark Vincent
Lockney, TX

Have you ever wished you could have a better logbook with more organization? Here is a solution. Rather than a log book, let's use logcards.

The idea is not new, but the newcomers to our hobby may not have heard of this kind of log. While I borrowed the idea of note cards, the format is all my own.

Log cards have many advantages over logbooks. One of them being more space to work with. Secondly, by using notecards you can put the stations which you have logged in any order you wish. Another advantage is that you can find the information about a certain station more quickly since you know the order that they are in, compact and handy. The reasons go on and on, but let's get busy learning this new method.

Materials needed: 4 x 6 inch note cards, ruled.

Line 1 (the red line)-the station's name

Line 2-leave it blank

Line 3-the time that you listened in GMT, also the date that you heard the station.

Line 4-leave it blank

Line 5-the frequency in KHz, also the SINFO code rating

Line 6-the power the station uses. This can be found in the WRTH

Line 7-leave it blank

Line 8-the date you sent the reception report, also enter the date the QSL was received

Line 9-program comments such as language, program name, type of music, IDs, etc.

Line 10-continue program comments

Line 11-leave it blank

Line 12-the receiver used

Line 13-the type of antenna, height and length

Line 14-the direction the antenna was pointing

Line 15-the location of the transmitter, if not known, use the location of the studios

On the back of the note card put such information as the total time it took for a reply, the signature on the QSL (if any), whether or not the QSL had complete information and the type of QSL (folder, card, letter, etc.).

This information on the back of the note card will prove very useful in reporting to the QSL sections of club bulletins, applications for awards, or just remembering.

51J-3

MORE ON THE COLLINS R-388/URR (or the 51J-3)

by E. V. Sandy Blaize, Metairie, LA

As a long time user and maintainer of the Collins 51J-3 or R-388/URR, I thought the recent article in the October FRENDX was well taken. Having worked on many of these receivers, a few "more" words are in order.

First, concerning good SSB reception, the R-388 has almost everything against it here.

Sloping skirt-sharp nose selectivity, good for CW but lousy for SSB! And an unstable BFO! Much needs to be improved. A simple way to do the job is to add an SSB adaptor. Several were manufactured in the past, but the one still around on some shelves at your friendly "ham store" will be the Central Electronics Model "A" or "B" SSB slicer. This unit is a selectable sideband, self contained "Q" multiplier adaptor. All you do is feed your receiver's IF output into it and its audio back into the receiver. Although originally designed for 455 kHz, it is very easily retuned to the R-388's IF frequency of 500 kHz. The model "B's" circuitry uses the phasing method of getting rid of the unwanted sideband. Another adaptor suitable for use is the General Electric YRS-1. Both the units have not been made for some years, but as I said, there are still a few around.

Second, the "non-linear" PTO problem. If, as Chuck Hutton says, your PTO (VFO) unit has an uncorrectable error and the inductance adjustment of the small trimmer slug tuned coil is all used up, the only alternative is to take turns off or add turns to this little coil. This means breaking Collins' "sacred seal". This is no big problem, but make sure if you do the job, or the technician doing the job, has done it before successfully or knows and understands fully what he is doing. Once inside the PTO unit, never tamper in any way with the small stack of metal plates the slug followers (on the big coil) run up and down. If any of these are bumped hard or knocked out of their adjustment, the linearity will be ruined! It takes days to get it right again. Collins charges a bundle to readjust one. I am not trying to scare the reader, but be picky about who gets into your R-388!

As "DXing according to NASWA" suggest have the tubes checked once a year at least. Be especially critical about grid to grid shorts in the 6BE6 tubes, these seem to fail the most often. Another problem has been suitable replacement electrolytic capacitors. They are scarce.

Many sets have come and gone, but I think the R-388 will be around for many years to come inspite of its bulk and shortcomings. It is simple and easy to maintain, especially when compared to some of the "modern" digital monstrosities! Baby that R-388 and good DXing.

SLINKY

THE SLINKY DIPOLE

by John Onken, Roanoke, IL

The SLINKY DIPOLE, Model SWL-1, is a unique indoor, outdoor antenna. It can be used on all SW bands from 160 through 6 metres, with good efficiency equalling a full size dipole. SLINKY's designed to improve the signal-to-noise ratio, with less static. This compact antenna can achieve impedance match to 50 ohm systems by means of its helical inductive loading spring structure. Here are some of my observations and recommendations.

My SLINKY arrived promptly via UPS within one week after purchase. I opened the package to discover: two giant SLINKY coils (4 inches diameter by 4 inches long), center insulator card (with holes), 100 feet of nylon rope, two end hooks, 50 feet of coax (RG-58/U), coax connector (PL-259), and an easy to follow instruction book.

I quickly constructed the SLINKY dipole, as instructed, using just the coax connector off, attached to my FRG-7, antenna terminal. In constructing the SLINKY, I noticed that the helical dipole arms formed conductors to pull signals in, and the balun took the form of a coil of coax feedline wound through holes in the center insulator card. The SLINKY in the un-tuned mode was strung on the floor of my radio room. My receiver began to pick up signals easily from Europe, Asia, Africa, etc., without using my Gilfer M-1 tuner.

Attempting to mount the SLINKY outdoors, I found it cumbersome, due to my backyard area. After testing it indoors, in different locations using the tuned mode chart, I discovered that it pulled signals in better than before.

My conclusion is that the SLINKY dipole is a good antenna for indoors (I recomend that it be away from objects), also for outdoors (25 foot straight run) if mounted properly. Several suggestions are given in the instruction book for mounting, but experiment. I recomend the SLINKY especially for apartment dwellers.

The price of \$39.95 was a little too high for SLINKY in my opinion, but it may be worth the price to some because of its portability and compact size. For further information write to: Teletron Data Corp., box 84, Kings Park, NY 11754.

Africa

BROADCASTING IN BLACK AFRICA

(A report by John Osmond which was aired on the BBC World Service program "From Our Own Correspondent" on November 6, 1977. Transcribed by Walcutt).

The widest form of mass communication in Africa is radio broadcasting. A lot of things favored its development, one of them being the long oral tradition of Africa, by which tribal legends and traditions are passed on from generation to generation. Radio's popularity is also helped by the fact that many Africans are illiterate, so although they cannot read the newspapers, they form an enormous listenership.

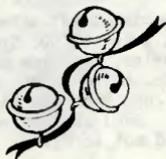
Yet, by and large, radio in Africa, as a forum for open discussion, or as a medium for honest news, is in even worse shape than the tightly controlled newspaper press. Broadcasting in every Black African state is entirely government owned and under the direct control either of the head of government or the ministry of information. Independent, public corporations, such as, say, the BBC, are nonexistent, and even governmental corporations are rare.

Two countries' foreign governments or religious organizations have been allowed to operate radio transmitters. But such stations have specialized interests, and by their nature, and by agreement with the government concerned, they broadcast no controversial comment on social, political, or economic affairs in their host country. Yet, this isn't enough to save them in times of political upheaval, as one long established station found in Ethiopia not so long ago when the Voice of the Gospel, as it was known, was taken over to become the Voice of the Revolution.

Governmental dual control in Africa of radio and the press produces a monolithic propaganda effect, only mitigated here and there by public criticism of radio stations. In Nairobi, for instance, the official radio station, the Voice of Kenya -- VOK -- is quite often attacked by MP's and by the privately owned press, much as the BBC comes under fire from British politicians and newspapers. There's been a call from one Kenyan newspaper editor to turn VOK into a public corporation and to remove it from the control of the Information Ministry. And no less a person than Kenya's Attorney General has commented adversely in Parliament on the quality of VOK's newsreaders. Well, it's true that Kenya radio, like stations everywhere, has its off days, but compared, say, with its neighbor, the Uganda Broadcasting Corporation, it's a model of efficiency. Monitoring Radio Uganda is a tedious task; it sometimes has so-called "news bulletins" which ramble on with crude propaganda for nearly an hour. Sometimes the bulletin doesn't materialize at all, and usually, when broadcast, the bulletins are so badly written, and often so badly read, it's hard to make sense of what it's all about. But Uganda is in a class of its own.

It must be said, though, that news presentation is frequently slanted by African radio stations; and this usually escapes newspaper criticism, since the controlled press slants the material in a similar way. This applies especially to the flow of African news, though here again, in Kenya, a haven of relative press freedom, if the official radio news becomes too blatantly twisted, newspapers are critical. They've urged greater accuracy and integrity in VOK news bulletins on sensitive subjects such as allegations of massacres in Rhodesia.

Apart from radio, television is gradually growing in the Continent, and about half of Africa has it. Oddities sometimes occur, as in Tanzania, where one part of the Republic -- the Island of Zanzibar -- has TV, and color TV at that, while the Tanganyikan mainland does not have a network, since the Government inclines to the view that it's a luxury. But, all in all, for journalists reared on Western values, Africa's newspapers and broadcasting stations seem on far too tight a reign.



Tuning SLINKY

TUNING THE SLINKY DIPOLE ANTENNA

by Dr. Allan Stuart, Boston, MA

For the SWL who uses the SLINKY dipole antenna (see article on page 7 of this SWC) a problem arises of how to tune the antenna for a frequency not listed in the charts included in the instructions. This, of course, can be done by the time consuming method of trial and error. I decided to see if I could develop a set of equations that would allow one to calculate the required parameters for tuning the antenna to the desired frequency. The equations that follow were derived from the relationships found in the charts in the SLINKY instruction book for the 20, 40, and 80 metre amateur bands.

These equations allow one to calculate lengths the antenna can have for a given frequency. Also the number of open turns in each half-length for the overall length actually used.

To calculate: Maximum overall length ($L_{(max)}$) in feet (use the wavelength in metres* for the desired frequency).

Below 10 MHz	Above 10 MHz
$L_{(max)} = \frac{\text{metres}^*}{1.14}$	$L_{(max)} = \frac{\text{Metres}}{1.11}$

* wavelength of the desired frequency

To Calculate: Minimum overall length ($L_{(min)}$) in feet

$L_{(min)} = \frac{\text{metres}}{3.33}$ (no change above or below 10 MHz)

To calculate: the number of open turns for each half length (N) for a given length (L) can be calculated as follows

$N = (2 \times \text{metres}) - L$

Sample calculation:

Let's say you wanted the antenna tuned to 6.1 MHz for use in the 49 metre band.

6.1 MHz = 49.18 metres

$L_{(max)} = \frac{49.18}{1.14} = 43.1 \text{ feet}$ $L_{(min)} = \frac{49.18}{3.33} = 14.8 \text{ feet}$

Thus the antenna must be at least 15 feet long and no more than 43 feet long for use at 6.1 MHz. Let's say that 30 feet are available and the antenna is strung at the length of 30 feet. Then to calculate the number of open turns in each coil -

$N = (2 \times 49.18) - 30$

$N = 68.36$

Therefore the antenna would be 30 feet long with 68 open turns in each half length.

These equations greatly reduce the amount of trial and error work needed in tuning the SLINKY dipole. Although the equations may not give you the optimum number of open turns in each half-length, they will give you at least a good first approximation.

These equations give good results up to about 20 MHz. Significant errors may occur above 20 MHz. If one would obtain a number of L and N values above 20 MHz by the trial and error method, modification of the equations for use above 20 MHz may be possible.

Special Pub. 4

We are happy to announce the publication of NASWA SPECIAL PUBLICATION 4, the DATA SUMMARY of the NASWA listeners survey taken by Kim Andrew Elliott.

This 33 page booklet contains the most revealing data on shortwave listening in the United States that has ever been compiled. The statistical summaries will give you a very good idea of who we, those who listen to shortwave broadcast radio, are. Price: only \$1.00 postpaid from your Shortwave Center editor. Order yours today.

Also available are Special Publication 1, Keep it Quiet by Morgan Monroe, 10 pages on reducing shortwave noise, price \$1.00; Special Publication 2, Precision Frequency Measurement by Charles Taylor, 12 pages on the heterodyne method of measuring frequencies as close as the nearest Hz, price \$1.00; and Special Publication 3, Introduction to Shortwave Propagation by John Tuhscherer, 6 pages on the basics of ionospheric radio propagation, price \$0.75. Send all orders to Jerry A. Lineback, P. O. Box 325, St. Joseph, Illinois 61873, U.S.A. and not to HQ.

Carter Shuffles U.S. Information Agency

Second Reorganization Plan

WASHINGTON (AP)—President Jimmy Carter said yesterday he plans to combine the U.S. Information Agency and the bureau that handles cultural exchanges into one Agency for International Communication. He pledged it would not act covertly or spread propaganda.

The President also promised to keep the USIA's broadcast Voice of America independent and objective.

Reorganization plans take effect automatically unless they are disapproved within 60 days by either the Senate or the House. Carter's first such plan, to reorganize the Executive Office of the President, is expected to clear that hurdle within two weeks.

"The new agency's activities must be straightforward, open, candid, balanced and representative," Carter declared in a message to Congress outlining the second of his plans for government reorganization. "They will not be given over to the advancement of the views of any one group, any one

party or any one administration.

"The agency must not operate in a covert, manipulative or propagandistic way."

Carter added: "Under this administration, VOA will be solely responsible for the content of (its) news broadcasts—for there is no more valued coin than candor in the international marketplace of ideas."

Although the reorganization plan would not give VOA the entirely independent status some of its officials had sought, Carter guaranteed to keep "the Voice of America's news gathering and reporting functions independent and objective."

In an interview anticipating Carter's message, Peter Szanton, associate director of the Office of Management and Budget's reorganization studies, said last week that State Department policy pronouncements broadcast on VOA would have to be clearly labeled, like paid commercials.

James T. McIntyre, acting director

of the Office of Management and Budget, told reporters: "We think the reorganization increases the efficiency of our public diplomacy activities."

But asked whether it reduces the number of employees or the cost, McIntyre added: "I'm not aware of anything specific in the plan that would enable us to say that."

Under Carter's new plan:

- The USIA's international communications program, including the VOA, would be combined with the international educational and cultural exchange activities now conducted by the State Department's bureau of educational and cultural affairs.

- The director of the new agency will be the President's main adviser on international information and exchange activities, as well as the principal adviser on those matters to the National Security Council and to the secretary of state.

- The two commissions that now advise the USIA and the cultural af-

fairs bureau will be combined into a single 7-member, nonpartisan commission whose members will be chosen from fields related to the new agency's mission.

"The purpose of this reorganization is to broaden our informational, educational and cultural intercourse with the world, since this is the major means by which our government can inform others about our country and inform ourselves about the rest of the world," Carter told Congress.

Church Considers Operating Its Own Radio Stations

The Seventh-day Adventist Church is considering the possibility of setting up and operating up to three radio stations designed to reach around the earth. Recently the General Conference Committee approved a feasibility study to determine costs and requirements of such a project.

For nearly seven years the Advent message has been beamed across Europe via shortwave radio from Lisbon, Portugal. The first tools 12½ in order to be used in the neighborhood of \$350,000 annually, not including production expenses. Preliminary studies suggest that, for approximately the same amount of money, over a 15-year period the church could own and operate its own stations and be on the air for the same number of hours each day with its message.

The suggested study will consist of at least three sites. It will also consider the possibility of operating one powerful station on medium wave at a site from which much of the Far East could be covered.

Transmitters operating at 250,000 watts have been suggested. The first in antenna towers and antennae curtains will be essential. For this reason a firm that specializes in studying needs of this type has been employed.

From Adventist "Review and Herald" via Bill Sanduorn, Savannah TN

Shuttings of the Season

and Best Wishes for the New Year

The Linebacks
Jerry, Mary, Nathan, and Benjamin

report



My twelve year old nephew recently had to do a project for his class in advanced woodworking. Needing an idea, he naturally came to me with his problem. I gave the matter a few moments of thought and then suggested that he might do a survey of shortwave listening attitudes and opinions. To get him started I turned over to him the mailing list of my club, The International Worldwide Continental DX Association.

The project is now completed and I've been looking over the forms and I thought you might be interested in some of the comments from those who responded to the survey.

Here they are:

"The IWWCDXA bulletin printing is too small."

"I think this survey is a fantastic idea! I hope the results will be published and sent to the presidents of all the radio-making companies. Surely when these people see how enthusiastic and clean-cut listeners really are they will start producing shortwave sets again."

"The bulletin is printed unevenly."

"As an older DXer, I'm becoming fed up with this hobby. There is no way I can compete with these young guys who are able to stay up and DX all night."

"Glad to respond to your penetrating questions on our hobby OM. Incidentally the SW band starts around 1605 kHz, not at 49 meters."

"The print in the bulletin is too large."

"I hope that stations will see copies of your compilations. We need more on the air than the same old international news, ethnic music and dumb interviews. The stations should program more for the younger audience -- run some cartoons and learn how to pronounce words properly."

"The bulletin is too hard to file. Can't you run it off on shorter paper and pre-punch holes in it?"

"Having lost both ears in an industrial accident I am no longer active. Leave me alone."

"The print in the bulletin is too close to the paper."

"Who the hell are you anyway?"

"Obviously, in preparing your questions, you did very little advance research. Certainly you neglected to study my doctorate paper entitled 'Short Wave Broadcasting - Too Little or Too Late, A Study of International Broadcasting as it Affects the Captive Audiences in Dental Offices, Parked Couples and Ice Cream Peddlers.' North New Jersey Technical Library, 1968. Read it and try again, dumb-dumb!"

"Who paid for this thing?"

"I like sitting under the weeping willow tree in my back yard, eating chocolate eclairs, picking my thumb and listening to SOS messages on my Stargazer portable. What does 'MHz' mean?"

"Funny-looking card OM! Sorry, I'm not a swapper."

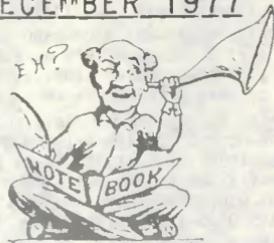
"I am returning the form as you asked. Please let me know if I won anything. Thank you."

"Dear Sir: This survey could not have been meant for me. I don't know anyone in the navy, much less any short waves."

I still say it was a good idea, even if my nephew did flunk woodworking.

Listeners NOTEBOOK

DECEMBER 1977



• Editor: Glenn Hauser, WUOT, U-Tenn.,
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ENGLISH SCHEDULES VATICAN RV to Nam 0100-0115 for winter season remains on 5995--intense QRM BBC Lam svc, 9605/11800 (Wood, NH)

USSR R. Moscow GB&I sked is likely to remain at 2000-2030 on 7360/7280/6175/6020/5970; and at 2100-2230 on 7360/7280/6175/6010/7135/5920 (Nov WDXC Contact) These two transmissions are often audible in Nam during winter; quite different from Nam svc (gh) more, LN-3

UKOGBANI Among BBC new freqs for D77: 7255 to Eur 0900-1430; 11680 to E&Saf 0500-0545 (Charley Hoffman, PA from WRC 2/11) London Calling to 'simplify' things, no longer indicates which relay stations are on which freqs. However, separate freq skeds in same format mailed to World Radio Club members, still do (gh) It is pronounced: you-kog-ban-EYE (gh)

TOGO Lomé 5047 finally caught with EG nx, mainly African affairs 2000-2008 28/10 read by two men, both with thick accents. Haven't seen this reported anywhere since TDXN-5!! (Pitt McNeil, DC, TDXN) TURKEY LN-3

THAILAND R. Thailand's EG to Nam on 9654 at 2300-0155 has been putting in good signals here the spoilt by Moscow 9655 het (Mike Barraclough, Letchworth, UK, Nov WDXC Contact) I believe it is a misinterpretation of WRTVH to say this is for Nam; but if it is, it is just as inaudible here as the 0415-0515--now, in downtown Bangkok on FM it's great (gh)

SYRIA R. Damascus was back on 9300 with good signals 1/11, EG nx and press review 2030 music 2045. But it was a one-off job, not noted since (Barraclough, WDXC) SWITZERLAND LN-3

SWEDEN R. Sweden D77 sked late in arriving. At 0030 supposedly on 9620; at 1400 now QRMed by Switz on 15305, and some recommendations for Sweden to move have been made (gh) see LN-10

SOUTH AFRICA R. RSA D77 & allegedly M78 amendments to "RSA Calling" sked included. 0256-0426 to EAF 9585/7270/3995. 0550-0700 Waf 17780/15220/11900. 1056-1158 C&Eaf 21535/15220/11900. 1300-1550 C&Waf 21535 (to 1456 Mon-Fri)/15220 (to 1456 daily)/11900 (to 1450 Mon-Fri). 1556-1650 EAF&ME 21535/11900/7270. 2056-2150 WAF&E and 2226-2320 NAM&Canada (sic) 15156/11900/9585 (via Charley Hoffman, Hank DuRant, Dominick Yacono) Radio Five new sked as of 23/10: 3320 ex-3388; 7170 ex-6010. R. South Africa now on 11790/9680/4835/3965. Springbok R. (partly in Afrikaans) on 11935/9710/4810/3980. Market reports on 3250 ex-3230 (R. RSA DX Corner 27/10) At this point I would have run the domestic services sked via BBCMS, but it's already out of date (gh)

PAKISTAN R. Pakistan has reduced its EG programming and made some other changes. The Turkish service at 1800-1900 includes EG nx 1815-1820. The 1915-2145 "World Service" to UK&Eu no longer includes EG (BBCMS 27/10 & WRC 26/10) The 1815 is on 9390/7375 (WRC 26/10) There is now an EG nx in the Indo pgm at 0235-0240 on 17845/15325 (BBC WRC 16/11)

NEW ZEALAND and Australia began their D77 skeds a week early, 30/10--now is this to get a jump on other stations, or to coincide with local adoption of summer time? (gh) Cf Nov LN-2 a later sked differs: to Pac 1800-2215 11960, 2230-0500 17710, 0515-0715 11780; 1800-0715 15130, 0730-1030 11820. To Au 0730-1030 11820. On selected Dec-Mar days between 2130 and 0600, Sports Roundup will be carried to the Pac on one of the above freqs. The alternative freq will continue to carry the National Programme. At times both freqs carry sport. When there are no sports broadcasts both freqs carry HS pgms. Also, it is planned to broadcast commentaries of the games played by the touring NZ All Blacks in France on 6105 (RNZ via Wilder Pickard) The latter were expected to be on certain Nov dates, e.g. 23/11, in the 1200-1800 period when RNZ is normally off the air (gh, from NZDX Times) NETHERLANDS LN-10

MONTSERRAT According to sked, the BBC has commenced transmissions from the Montserrat relay on 6/11. WS is scheduled 1100-1330 on 9640; 2000-2245 on 11910, 2330-0330 on 11750 (R. Australia DX 13/11) I believe not! Nothing on 11750 anyway 19/11 0300 (gh)

LATVIAN SSR R. Moscow via Riga 15220 heard 1000 EG to S&SEAs, 1030 RP&P EG; QRM from R. RSA (Roger Legge, VA, 13/11)

KUWAIT R. Kuwait 0500-0800 to E&SEAs, 15345/9650. 1700-2000 to Eu, 12085/9650/9580 (BBC MS 10/77) On new 11825 ex-9580 at 1700 (David Sapsford, UK, RADX 30/10) 11825 is to SEAs at 1700-2000 whilst 12085 is still to Eur (David Ensor, BBCWRC 9/11) A strange time to BC to that part of the world (gh)

JAPAN R. Japan D77: 2015-2045 ME&NAf 9700/7250. NAM 2345-2445 15270/11705; N&L&M&Haw 0130-0230 17725/17825/15420/15195. Eur 0800-0830 15325/17825; 1830-1900 9605/7195. AU&NZ 0930-1030 15235/11875. SEAs 1115-1145 11875/9675. SAS&Af 1630-1700 9670/7250. General Services of 15 min nx on hour (+ 15 min pgm at 1015, 1415, 2315): to Am 15105 2200-0415, 9505 0500-0715, 5990 0800-1815, 9505 1900-2115. to As 15195 2200-2415, 17880 0100-0715, 15195 0800-1115, 11815 1200-2115. to Eur 9585 1000-0515, 17795 0600-0915 (via Weber, OH)

IVORY COAST R. Abidjan noted 8/11 closing EG at 2000, announcing a s/on of 1845. Reception only in short periods because they barely squeak out from under RNE (Andrew Blumberg, NY)

ITALY RAI is finally getting its act together--publishing its sked before the season is half-over, and, now in GMT!! instead of 'Rome sun time'. To honor Italy's joining the rest of the world's broadcasters I herewith publish RAI's entire EG sked: to GB 1935-1955 on 9575/7290/7275. Mediterranean 0425-0440 7275/6075. NE 2025-2045 9575/7290/6050. SAs 0350 -0410 11905/9710/9630. Japan 2200-2225 11905/9710/5990. NAM 0100-0120 9575/6010 (RAI sked)

ISRAEL It was possible that IBA would change most of the freqs used at 1200-1230 due to QRM. There seems to be a struggle going on between in- and out-of-band faxies (gh)

IRAN VOI EG retimed to 1930-2000, on 9022 only (BBCMS 11/77) The only reason for this is Iran's internal time-zone shift. They are apparently unaware that the rest of the world doesn't revolve around the Peacock Throne (gh) GUAM LN-4

GREECE VOG sked for S77 & D77 includes EG: 1915 to Eur 9530/7215/6140. NAM 0215 11730/9760, 1215 & 1515 17830/15345/11730. SAm 2315(?) 9760/6140 (Hans-George Müller, GFR, SCDX)

GERMANY WEST (including unspecified relays) DW D77 to NAM 0130-0150 on 6010/6040/6075/6100/9545-ex-9590/9565/9605/11865. At 0530-0550 5960/6100ex-9545/6135-ex-5960/6185/9545/9590-ex-9650 (via Hank DuRant, MD) But 6085 replaced 6010 in mid-Oct, long overdue change. Other EG changes: SAs 1720-1750 9590-ex-15405; CAf 1715-1745 11850-ex-15135; WAF 1930-2000 9765-ex-15150 (Richard N. Allen, OK) Tsk, 15150 was good in NAM (gh)

FRANCE RFI's Paris Calling Africa, 1706-1754, best as of 6/11 on 15300, also audible on 15210/15425; announces 19-25-31m only (gh)

FINLAND R. Finland D77: Sun 0800-0925 FE&Au 90° 21490 250 kW; Sat & Sun 0930-0955 WEu 234° 9550 100 kW, CEu 11755 205° 15 kW, C&SEu&NAf 200° 15270 250 kW. Daily 1300-1325 CEu 205° 11755 15 kW; NAM 305° 15105 100 kW, FE&Au 80° 15260 250 kW. Sun 1325-1455 CEu 205° 11755 15 kW, NAM 305° 15105 100 kW. Daily 1900-1925 SEu&ME 170° 11755 250 kW, WEu&Waf 234° 9550 100 kW. 2030-2055 WEu&Waf 234° 9550 100 kW, C&SEu 210° 6120 250 kW (sked)

ETHIOPIA R. VORE 1500-1600 on 7165 only; since 18/10, other freq, 6015 used for Galigna (BBCMS 3/11)

ESTONIAN SSR R. Moscow via Tallinn 17805 hrd 1630 EG to Af (Roger Legge, 13/11)

ECUADOR HCJB projected D77: 0040-0700 NAM 9560/11915. 0500-0700 NAM 6095. 0630-0900 SPac 11900. 0700-0830 Eu 9525/11840. 0700-1030 SPac 9745. 0830-1200 SPac 6130. 1200-1225 Jpn Mon/Thu/Sat 6075/9715. 1215-1630 N&SAm 11745. 1230-1630 NAM 15115. 1630-1800 Eur 15310/17755. 1900-2030 Eur 11955/15300. (Roger Stubbe, HCJB, via Nov WDXC Contact)

CYPRUS Two new WS beams from here are to E&SAf 0400-0545 on 11750; 1500-1615 on 17840 (BBC WRC 2/11 via Charley Hoffman, PA) COSTA RICA LN-10

CANADA RCI D77, including first amendment: 0615-0630 & 0645-0700 Mon-Fri to Eur 11780/9655/6140, D7155; to Af 9730, D11850/9515. 1400-1500 Sun D6195/1295. 1545-1559 USSR 17820/15325, D9555/7235, Sines 9565/7245. 1645-1659 Eur 17820/15325. 1800-1829 Afr 17820/15260. 1900-1929 Eur 15325/11865/D5995; Afr 17820/15260. 2000-2029 Eur 17820/15325/11865/D5995. 2130-2157 Af 17820/15325/15150/11945. 2257:30-0059:30 Mon-Fri NAM 5960. 0100-0127 SAm 11940; N&C&M 9535. 0200-0227 N&C&M 9535/6185. 0300-0327 N&C&M 9605/9535/6185/5960. 0400-0427 N&C&M 9535/5960. CBC Northern Service (also in Inuktituk, Cree, French) 1128-1359:30 9625/6065. 1400-2329:30 11720, 1400-2359:30 9625. 2330-0607 6195. 0000-0607 9625 (RCI)

CAMEROON R. Yaoundé obs in EG on 9745: 0610-0620, 0710 past 0750. On 4850 0507-0515. 9745 seems //4850, but blocked until Baghdad 0600* (Richard M. Utter, NY)

BRUNEI R. Brunei EG sked on 7215 is 2258-0030, 0300-0500, 1200-1430. 10kW Berakas (FEDXR)

BANGLADESH R. Bangladesh EG noted at 1935 on 17590 9/10 (John Faulkner, UK, WDXC) LN-10

AZERBAIJAN SSR R. Moscow via Baku 21490 hrd 1330 EG to Af //17765/17855 (Roger Legge, 13/11)

AUSTRIA ORF D77 0830-0900 6155/15105/15410/17815. 1230-1300 6155/9770/11790/17710. 1830 -1900 6155/9725/15335/17770. 0130-0200, 0330-0400 6155/9770. 0430-0500 6015/17840 (ORF)

AUSTRALIA RA's D77 skeds have been delayed by labor difficulties at the printer. Here is the EG sked copied as best I could from Club Forum, 29/10: to NZ/Pac 1800-2030 9505, 1800-2200 9580, 1900-2200 11810/11725, 2100-0700 15160, 2200-0600 15140/15320, 2230-0730 15240, 0100-0730 17795, 0630-1000 11720, 0700-0900 9570/11740, 0800-2000 9540, 1000-?? 5995, To S/E/SWAs: 2100-2230 6035, 2100-2400 11820, 2230-0300 21455, 0000-0830 17870, 0130-0400 15410, 0400-1000 17745, 0800-1000 21570, 0800-1500 15370, 0900-1600 11705, 1500-1730 11900, 1530-1730 6005, To PNG: 1800-2200 9600, 2000-2300 11790, 2330-0530 on 15355, 0200-1000 17725, 1000-1500 11790, 1100-1300, 1400-1730 9670/11880, To UKOGBANI: 0700-0900 9570/11740 (and maybe 21570 0800-??). To NAM 0100-0300 15320/17795, 1100-1300 9580, Af 0400-0500, 0600-0630 15205/17715, (via gh)

ANTIGUA BBC WS D77: 15420 (new) 2000-2115, rest as before: 11775 1300-1330, 9510 0500-0630, 6195 0900-0915, 1100-1330, 2000-2330, 6175 2330-0730 (BBC) 11775 used Mon-Sat 1200-1300, Sun 1300-1330 (R. Australia DX 13/11)

ANGOLA RNA's "B" pgm includes EG 1130-1200 (BBCMS 3/11) On 9535/7245

NOTE: Some of the information in Roger Legge's listing last month in SWC has proven to be incorrect, but I have made no attempt to correct it here. It is a risky business to compile such a schedule before the fact, since much of the information must be guesswork, based on schedules projected far in advance, and on useage during the same season last year.

OTHER SCHEDULES

VIETNAM (cf Nov LN-7) Station on 4816 is R. Cao Lang; R. Son La was a misnomer. RCL is on 4783 ex-4816 since Oct. Presumably this station replaces R. Viet Bac. Usually closes at 1400, but often to 1430*. But R. Son La is a new stn hrd on 6310 at *1200-1400*, first IDed 16/10, apparently replacing R. Tay Bac. No Hanoi relays, but all pgms their own, 1200-1230 and 1330-1400 minority langs, 1230-1330 VT. The Stn on 4780 is now IDed as R. Nghê Tinh. R. Ha Tuyen sked reduced to 1130-1330 (ex-1430*) on 4820 in Meo 1130-1200, Viet 1200-1330*, nom 63.15m--lang in anmts is Viet, but numerals in Lao!! V. of Binh Tri Thien moved to 4665, then in late Oct to 4677, f/in around 1330 relaying Hanoi-I, own pgm 1400-1430, Hanoi 1430-1500, own pgm after 1500. R. Bac Thai was on 4754v, but since 25/10 to 4690, weaker. R. Tay Bac was hrd for the last time on 19/9; Viet Bac last on 27/8, 6882 kHz. Now inactive (Ugusa, PE) LN-10

USSR 27/10 at 1000-1100 R, Moscow was on 17855 with a special pgm in RS of personal messages and music for members of the 22nd Soviet Antarctic Expedition on the Novolazerevskaya Station; more LN-10 (BBCMS 3/11) 27/10 was a Thursday (gh) Here is the official sked of Radiostantsiya Tikhyy Okean, effective 25/10: To NWPac, neighboring waters of Canada, the Seas of Japan and Okhotsk, Bering Sea: 0700-0800 3995/4050/4485/5015/5920/6035/6115/7210/7320/9500/9600/9620/9645/9810/12020/15310. 1930-2030 on 5015/5900/5940/6000/6020/7175/7290/7300/9540/9580/9665. To Schina Sea, eastern Indian Ocean, neighboring waters of AU/NZ, Indo and Antarctic, Sea of Japan: 0700-0800 15210/15505/17705. 1430-1530 7280/7340/7415/9610/9620/9665/9810. 1930-2030 7315/9450/9685. To the neighboring waters of Hawaiian, Marshall Is and Australia, WPac: 0700-0800 11900/15505/17705/21505. 1930-2030 7280/9610/9735/11900. To the Bay of Bengal, Indian Ocean, Andaman Sea: 1430-1530 6145/7340/9530/9625/9665/9810. This special pgm for Soviet seamen is produced by Primorskoe Radio, Vladivostok, broadcast on Tue/Wed/Fri/Sat/Sun. It announces that freqs beamed to NWPac, SchinaSea were increased by numerous requests from listeners (FEDXR) Here is a survey of Soviet 13m operations since 26/10, partial only, including changes around 5/11, at 0700-1100: 21745 RS *0730-1100+ 21665 RS *1000-1100+ 21645 RS *0730-1100+ 21635 RS *0700, IN 0730, RS 0800-0900, 21600 RS *0700, IN 0730, RS 0800-0930, IN 0930-1000* 21590 IN *0730-0800*, RS *0900-1000, unid As lang 1000-1030, SH 1030-1100. 21575 R. Moscow EG *1000-1030, 1100-1130; P&P EG 1030-1100. 21530 RS *0730-1000, unid As lang 1000-1030, SH 1030-1100. 21515: IN *0730-0800*, 0930-1000; RS *0900-0930, R. Moscow EG 1000-1030, Burmese 1030-1100, TH 1100-1130. 21505 RS *0700-0800*, RS *0900-0930, IN 0930-1000, R. Moscow EG 1000-1030, Burmese 1030-1100, Thai 1100-1130. 21490 RS *0700-1030, SH 1030-1100, RS 1100-1130. 21450: RS *0900-1130+ (Bob Padula, Victoria, 6/11)

TURKEY VOT Turkish for Turks abroad: 0357-0500 9515/7175; 0500-1330, 1630-1900 11800; 1900-2100 9515/7175. Other langs: 1330-1430 AR 11800, 1430-1500 RM 11800, 1500-1530 GK to Cyprus 11800, 1530-1600 BG 11800, 1600-1630 SC 11800, 2100-2130 GM 7175, 2130-2200 FR 7175, 2200-2430 EG 9515/7175 (BBCMS 10/77; TRT Oct-Dec sked via Hoffman, PA)

SWITZERLAND SBC D77 changes: 0700-0930 17830 ex-17840. 1315-1515 15305 ex-15430, 15350 ex-11905. 1815-2245 9535 ex-9590, 9685 ex-11705, 11850 ex-11870 (R. Australia 5/11)

SRI LANKA VOA-Colombo D77 7110 10 kW 0045-0330, 1245-1800; rest 35 kW: 11745/15185 0045-0330. 11935/15395 1245-1800. (VOA)

SOUTH AFRICA New freqs for SAUK (Afrikaans service) 11885/9560/4880/3995, 2 ea. depending on time of day (R. RSA DX Corner, 27/10)

NETHERLANDS LN-10

MONTSERRAT BBC now sked from here in SP 0215-0415 on 6040 (RA DX 13/11) DW sked 2130-0105 on 11785, 0130-0150 9545, 0530-0550 6040, 0600-0950 6145, 1000-1030 5995, 0400-0520 6135, 0530-0550 9590, 0600-0950 9590, 1000-1120 9590, 1200-1220 & 1300-1320 11970 (Williams, NSW)

LEBANON Beirut has announced this external service sked: Waf 1830-, Sam 2300-2430 on 11755 To Nam 0130-0300 on 5980(?). But the only time it has been heard is at 2300 in AR (BBCWRC 16/11) more, LN-10

LAOS The official sked, per a letter from Vientiane: 4285 10 kW Vieng Xay 1000-1115, 4700 1 kW Xienghouang 2300-0100, 0400-0600, 1000-1400. 4760 1 kW Louang Prabang 2300-0200, 0355-0630, 1030-1430. 5600 1 kW Xienghouang 2300-0100, 0400-0600, 1000-1400. 6130 25 kW Vientiane 2230-0230, 0400-0700, 0900-1530. 6700 1 kW Xienghouang 2300-0100, 0400-0600, 1000-1400. 7145 10 kW Vientiane 2300-0130, 0400-0630, 1100-1400. 7385 3 kW Savannakhet 2300-0200, 0500-0700, 1100-1400. (WRTH via SWN Oct via FEDXR) Amazingly none of Houa Phan channels are included (Isao Ugusa, FEDXR)

KUWAIT R. Kuwait DS, in AR, also intended for abroad: 0400-0735 11940/6055. 0735-0815 11940. 0815-0945 21605/11940/9520. 0945-1305 21685/21605/11940/9520. 1305-1510 21685/11940/9520. 1600-1800 9520/6055. 1800-1830 6055. 1830-2110 11990/6055. Second Pgm 0900-1500 on 9650. Urdu 1500-1700 9650/9580 (BBCMS 10/77) 21605/21685 pound in here (gh)

ISRAEL IBA has begun a new xmsn not in the published sked, of news in several langs relayed from HS at 0430-0455. 0430 Romanian, 0435 Ladino, 0440 ?, 0445-0455 Spanish. On 5900 to Sam; 9630/11960 to Nam. 9630 buried by Spain, 11960 QRM'd by HCJB. Perhaps 9630 will have changed to 7412; they were running open carrier during the period 19/11 anyway (gh) LN-10

IRAN VOI ES sked: 1400-1500 Pushtu to Afgh 9680, not confirmed. 9022 opens at 1655 with xmsn preview in Farsi; 1700 RS, 1730 TK, 1800 AR, 1830 GM, 1900 FR, 1930 EG, 2000-0200 FS relay HS pgm I, last also on 15084 (BBCMS 11/77)

INDIA AIR FR 1115-1130, Thai 1130-1200 on 21675 ex-21660, //17705 (BBCMS 27/10)

GUAM KTRW D77. Xmt'r 1: 15115 0900 EG, 0930 IN, 1000-1100 EG. 11705 1100 Cant, 1130 Mand, 1300 Viet, 1330 Lao, 1400 Camb, 1430-1500 EG. 15175 2200 Indo, 2300-2400 Mand. 17855 0000 Viet, 0030-0130 EG. Xmt'r 2: 9640 0915 EG, 0930 JP, 1000 EG, 1100 Cant, 1130 Mand -1300. On 9670 //11705. 11705 2100 RS, 2200 JP, 2300-2400 Mand. 17830 0000-0100 RS (via R. Legge)

DODECANESE ISLANDS VOA Rhodos D77, 50 kW: 5965 0400-0600, 6015/6030 1615-2200, 6070 0145-0400, 7110 0345-0600 (VOA)

BRUNEI R. Brunei non-EG sked: 4865 10 kW Berakas, 2200-0600 Malay, 1100-1215 Malay, 1215-1230 Iban & Dusun, 1230-1430 Malay. Fri & Sun only all-Malay 2200-1430. On 7215, 0030-0300 & 0800-1100 Chinese, 1100-1200 Gurka (FEDXR)

BANGLADESH LN-10

AUSTRALIA RA D77 non-EG sked: IN: 2100-2300 9560/11855, 2300-0100 11855/15205, 1000-1300 11825/15290, 1300-1500 11825/11900. Std CH: 1030-1200, 1300-1430 11760/15415. Cant 1200-1300, 1430-1530 11760/15415. JP: 1000-1100 9760/11880, 1300-1400 9670/11880. Simple EG & Pldgin 0700-1000 5995/9760/11790. FR: to SEAs 0030-0130 11935/15205. to Pac 0000-0100 on 15160/15320, 0500-0600 15160/15320/17795. to Af 0500-0600 15205/17715. VT: 2230-2330 and TH 2330-2430 both 11935/15205 (RA Club Forum 5/11 via gh) Some real bloomers noted on the first day, 30/10, which could have been avoided if they had wanted to use our monitoring assistance which we offered to them. 11720 0630-1000 EG to Pac, also established by Peking in EG to Pac 0830-1030! We could have told them that if they had asked: Peking I don't think is in IFRB THFBS. 17725: 0200-1000 to PNG/Japan, EG. NHK also there 0100-0300. 17795: 0100-0730 EG to Pac--NHK also there 0600-0930. 15180: 2300-0100 IN, severe mix with USSR (Petropavlovsk?) EG to Nam 2230-0300 ex-15210.... (Bob Padula, Victoria) **ARGENTINA** LN10

ANTIGUA DW D77: 1000-1035 11810/9640, 0000-0200 11795, 0230-0350 11810, 0400-0520 9545, 0530-0550 5960, 0600-0950 9690, 1000-1120 9735, 1200-1220 11785, 1300-1320 11810, 1330-1350 11810, 2200-0150 11795, 0530-0555 9600, 1000-1130 9735. Other xmt'r: 11865 2130-0105, 6040 0130-0150, 6085 0200-0550, 6085 0600-0950, 6085 1000-1120, 15185 1200-1220, 15150 1300-1320 & 1330-1350 (via Bob Williams, NSW)

ANGOLA RNA sked 7245/9535 0400-0800, 1100-1200. 7265/9535/9660 0800-1100, 1200-1500. 3375 74820/7245 1500-2400 (R. RSA DX Corner 12/11 via gh)

ALGERIA R. of the D.P.R. of Algeria, Network 3, FR: 0500-0802 11910/7245, 1100-1702 11910/9510, 1702-2300 11910/7245. But on Fri & Sun continuous 0500-2300, with 0802-0900 11910/7245, 0900-1100 11910/9510. Kabyle net 0500-0800, 1100-2100; Fri 0500-2100, all on 6160. AR net 0500-0903 15160/9685/7195/6145. 0903-1700 15160/9705/9685/7195. 1700-2300 15160/9685/7195/6145 (BBCMS 10/77 which adds, freqs and times constantly vary)



MISCELÁNEA RADIAL YEMEN ARAB REP. 6050 noted good 2050-2111* 13/11 with Arabic vocals, man with nx, Koran chant, ID, NA. Also noted past 2 weeks signing off between 2107 and 2111 (Terry L. Krueger, FL)

USSR Americans with a cynical view of the Soviet monolith may dispute this (gh) In a recent talk for GB&I, R. Moscow detailed the aims and struxure of "Radio Station Peace & Progress". It does not belong to the Soviet government, but is controlled by the Council of Sponsors, which is composed of a number of public organizations among which are the Union of Soviet Journalists, the Union of Soviet Writers, the Union of Soviet Composers, the Novosti Press Agency, the Societies of Friendship with other countries and the Soviet Peace Committee. The Council of Sponsors controlling the station's activities is re-elected every four years. Actual broadcasting is under the direct control of a Chief Editor who is also the First Deputy Chairman of the Council of Sponsors. Station staff are also chosen by the council. The aim of RSP&P is 'the constant promotion of mutual understanding and trust between nations'. It familiarises its listeners abroad with socio-economic and cultural life in the USSR and comments on main events of international life from the Soviet public's point of view (BBC MS 3/11) Harmonics logged 10/10: 23980, 4 x 5995?, 2332 Mayak, distorted, jammed. 28860, 3 x 9620?, RS 2245*. 28905, 3 x 9635, R. Moscow EG 2315. 28935, 3 x 9645, RS //28860 at 2320 (Colin Newell, BC, SPEEDX Nov)

USA VOA considered cutting back its Swahili service, but surveys showed it had a high listenership. However, Thai was reduced because there were not many listeners to that service. Farsi was considered as an additional language until it was discovered that VOA already had a high penetration in English among the Iranian elite (Kevin Mikell, WINDX, on Que Pasa, HCJB DX Party Line 5/10 via gh) The gospel broadcasts of KGEI can be received all over China. I base this on my own monitoring in seven different locations of the country--from north to south. Even though the FEBC AM BCB signals are being jammed in large coastal cities like Peking, Shanghai and Canton, the KGEI SW gospel broadcasts are clearly received there. And once inland where about 80% of the population live, the AM BCB signals are also very strong and clear. According to our mail response and monitors, many Chinese people listen to FEBC broadcasts in spite of threats to their lives (Paul Estabrooks, FEBC Manila, in KGEI Newsletter) As of 1/10, I have been re-assigned within FEBC as Director of Operations. I've enjoyed sharing with you the ministry of KGEI and hope I have ministered to you. Keep me in your prayers as I move on in the work of our Lord! Your Friend, Jim R. Bowman, Former Manager, KGEI (KGEI Newsletter)

UKOGBANI 46 members of the Association of Broadcasting Staff based at BBC Daventry stopped work for 34 hours on Nov 6 in accordance with a strike call from their national executive. Support action also took place at the other three SW xmitting stns, Rampisham, Dorset; Skelton, Cumbria; and Wofferton, Ludlow, to achieve the union's aim of obtaining parity in pay with their counterparts employed by the IBA. The stoppage had only marginal effect to the BBC's External Services; however, it did result in a 3-min break in the Radio 3 xmsn from Daventry which was accounted for over the air as a technical difficulty. Present offer from the BBC is 10-15% on basic rates offered to all weekly and monthly staff and would cost extra 11 million pounds bringing the total annual wage bill to 110 million pounds, which is within present govt guidelines (Nov WDXC Contact, from press reports) The strike caused a 20% shutdown of the BBC (World Radio Club 9/11) Strikes which could force the External Service off the air would have little effect on the general public, but it might prove a point to the powers that be that the world could do without the BBC and not miss them too much and thereby bring an early implementation of the recent 'Think Tank' recommendation to effect cutbacks in services and transmissions (WDXC editorial)

UGANDA RU announced that from 26/10, the DS Red Channel would be broadcast additionally on 6030 for certain periods of the day (BBCMS)

SWITZERLAND Did you know the SBC employs more than 3000 full-time and 4000 part-time staff, producing about 34,000 hours of radio programs a year? (Ed Insinger, NJ) No (gh)

SPAIN RTVE noted one night only, 30/10 on 11755, not 11775, at *0100 SP to Am, //announced & hrd 9360/9530/9630/11945 (Richard E. Wood, NH) Easy to punch up wrong, like a typo (gh)

SOUTH AFRICA On average R. RSA gets 60,000 letters a year, suggesting by internationally accepted rule of thumb, an audience of 12 million (press report via Clive Jenkins, WDXC) The rule therefore being that for every listener who writes in, there are 199 who don't (gh)

ROMANIA Bucharest nominal 11940 is drifting around 11943.5, hetting Madrid & Peking 11945, with usual EG 0130-0225, etc., //5990/6190/9570/9690 (Richard E. Wood, NH, 11/11)

PORTUGAL RDP continues to QRM itself on 6025: PT to Eur 0400-0500 at equal level with different PT to Nam, and at 0500-0530 EG to WNam. //clear 6185. Second harmonic of 6025 continues to be noted 2000-0530 on 12050 (Richard Wood) Is the double audio also on the harmonic?? (gh)

PHILIPPINES All FEBC operations on 9505 have shifted to 9497, it seems, e.g. Burmese 1300. Also on 15450 around 01-0200 ex-15440. Don't know yet whether this is cleared by the Phil. R. Control office or not. If so, expect Veritas also to press for OOB; maybe VOA too. VOA is very interested; already using OOBs (Victor Goonetilleke, ADXN Nov) From Liberia (gh)

NETHERLANDS Not all RN xmsns are now 50 minutes. On weekdays we have introduced a new 20-min BC to Waf in EG. The daily morning pgm in Indonesian has been given a 60-min duration and this will be followed immediately by a 20-min Dutch news show (RN via Nov WDXC Contact)

MEXICO (?) unID LAm stn noted on 7315, weak, 0345. Of interest re 4mb expansion. Last spring, 7250-7350 noted R. Mexicana and R. Bacali, both registered in Mexicali BC--alho did not get location and conveniently forgot exact freqs. Other Mexican BCers were heard 7050-7100, possibly BC relays by hams. Not harmonics. This band would deserve a watch for more of same (Shaler Hanisch, CA, 10/11) Nice to hear from you again, Shaler. Anybody else notice these? (gh)

MALTA On what freq will you find AWR pgm from Malta this Sunday? You may need to tune around to find out! - It seems no one can remember from week to week on what frequencies to operate those two massively beautiful Telefunken xmtrs AWR leases time on each week. Our apologies while the problem is being resolved and we trust that when the music stops, we will be sitting on a clear frequency. 12 attractive cards are being offered by AWR during the 6/77-5/78 period (AWR, via DSWCI SWN Sept) MALDIVES 3323 ex 3523 1300-1500 (Victor UADX)

LEBANON Beirut active on 5980 again with HS in AR, *0400, news 0415 (Richard E. Wood, NH) V. of Lebanon, Christian controlled stn at Jounieh, regular on 6500 since 22/9 with popular Euro and AR mx, amts in FR & AR. Fair-good 1846 past 2030, FR ID 1849 as "ici La Voix du Liban" (Bryan Clark, NZDXT) 1500 fair past 2000, mostly AR (Paul Edwards, NZDXT) LN-10

KOREA NORTH Pyongyang on new 5870 at *2200 with 6-min rendering of NA. Lang unID; not // 9420 (Richard E. Wood, NH, 11/11)

ISRAEL Retaliation against KGB jamming can be heard when the broadcasts of Peace & Progress are jammed during Hebrew, Arabic, Yiddish at 1600-1800 on approx. 11900 (Russell H. Shapiro, Nov WDXC Contact) IBA has a definite listener problem. Except for me, they say it's 100% male, and Letterbox has been airing all kinds of strange ideas about what possibly goes on in a woman's mind to explain the situation. Now I KNOW there are female SWLs out there, and I'd like to appeal to them to give the IBA a listen on Sundays, then write the IBA and put a stop to some UNBELIEVABLE male chauvinism at that QTH!! I've done my part--now I hope the other ladies will defend themselves from all those guys spreading unfounded, unreal speculation about women! (Diane Levesque, IL) "Thank God I wasn't born a woman!" (gh) LN10

INDONESIA RRI-Gorontalo ops 10 kW Harris xmtr on 3205 from last Oct. RRI-Bengkuku ops Programa Regional on 3265, 10 kW; Programa Lokal 4045 1 kW. RRI-Ternate ops 10 kW on 3345 (Toshiaki Takehara, IDXR via FEDXR 27/10) RRI-Menado ops at 2130-2430, 0830-1515 on 3215, 10 kW, 5987, 10 kW, and 7296, 1 kW (Satoshi Wakisaka, IDXR, via FEDXR, also:) RRI-Tanjung Karang on 3395, 10 kW. # RRI Tanjung Pinang on 3225, 10 kW Gates xmtr, others homedome on 2360, 0.5 kW, 4980, 1 kW (Ichiro Wada, IDXR, via FEDXR) Above facts indicate that new outlets appeared since Sept 1976 in 90 mb are all using new 10 kW xmtrs, cf 4/76 DXH (FEDXR) IDXR = Indonesian DX Review.

HONDURAS R. San Ysidro has been heard in years past in the Christmas season, from about the 2nd week in Dec. Should be showing up on 4845. Caught it last Easter Eve. R. Lux 4890 was heard around 0030 14/11 while Rdif Venezuela was off (Neal Perdue, AL)

GUINEA-BISSAU is being heard on 5041 ex-4780 (BBC WRC 9/11) Is this news? (gh)

GUINEA Conakry hrd on new 15310 at 2000 past 2245 (David Crawford, FL, 4/11) Is 15308, //4910 (BBC WRC 9/11) reactivated 9650, usual music 2200-2400 (Richard E. Wood, NH, 11/11)

GUATEMALA R. Miramundo; 6159 hrd daily since 11/11 1205 ranchera vocals, marimba instrumentals alternating, SP anc, very good (Terry L. Krueger, FL, 14/11) Hrd well around 1230 w/ranchero type mx, IDs, TCs (Pitt McNeil, DC, 13/11) Formerly on 2040 kHz only (gh)

GERMANY EAST Stimme der DDR, not often reported in NAM, hrd with GM nx 0300-0305 under BBC on 7185 (Richard E. Wood, NH, 11/11) CHILE LN-10

CRETE There is a private Greek station for eastern Crete running 1000 watts on 1614 kHz. It began illegally in 1961 but was later licensed. Is a one-man operation; relays Athens news and transcriptions. Now has a new antenna. Sked to 2100*; has ID in GK and EG (Jan Tunér, RN DX Juke Box 10/11; he included a tape of the ID) And DXJB would have us believe that no one in NAM would be interested in hearing about this, so Tunér's report is no longer carried over Bonaire relay!! (gh)

CAMEROON (cf Nov LN-3) R. Bertoua, 4750, no longer IDs as experimental. Is //Yaoundé 4850 & 4972 from 1800 f/in, to 1930 when carries local pgms to 2030* (BBCMS 20/10)

BURUNDI R. Cordac was closed on 22/4 by the govt. Manager Mr. Kirkpatrick informs that most of the staff--Africans and missionaries--have left the country or got new jobs. He said "God gave us 13½ years to do our mission in Central Africa. We can only thank him for this privilege" (Sydkysten, via Sept DSWCI SWN) A missionary can't be an African? (gh)

AUSTRALIA RA-Carnarvon during Aug & Sept had a faulty connexion to the synthesiser resulting in freq jumps from 6005 e.g. to 6010, and from 21570 to 21578 and 21560, all this occurring while in operation! They checked my info against their xmtr and discovered the fault. (Victor Goonetiilleke, Sri Lanka, ADXN Nov)

AUSTRALIA (more) RA 0700 xmsn to UK via long path takes 9 hops to get there (Club Forum)

ANGOLA RNA's "A" pgm in PT is on 4820/3375; "B" pgm on 9535/7245, 1cl langs (BBCMS 3/11)

ALGERIA (Cf Nov LN-5, 1R) The xmtr on 15773 has now been traced on 17767.5 (BBC WRC 9/11)

CLANDESTINE CRANNY R. Magallanes, formerly a pgm segment in the 0200-0230 and 0930-1000 (ex 1000-1030) xmsns of R. Emisora Paz y Progreso, para Chile, now occupies the entire segments, opening and closing with the R. Mag. signature tune and ID. The only references to the stn's affiliation now are anmts at the opening that "thanks to the solidarity of the Soviet people, R. Magallanes is continuing its broadcasts from Moscow" and at the end, "We now conclude our pgm for the motherland. On these same frequencies you can now hear the pgm 'Escucha Chile'" which is a R. Moscú pgm. R. Magallanes, formerly a Chilean Communist Party sponsored stn in Santiago, until it was closed down on 11/9/73 as a result of the overthrow of the Allende regime, had been BCing two 30-min pgms in SP daily from Soviet facilities under auspices of RSP&P since 26/8/74 (BBCMS 3/11) Did they say 'matria', or was 'patria' translated as 'motherland'? (gh)

Voice of Arab Syria is again obs on 9510/6170, but at 0500-0600, 0800-0900, eve? (BBC 3/11)

Voice of the Free Sahara, Polisario pgm via Algiers, untraced since 7/10, when it was heard at 2300-2400 on 980/251 kHz; 6/10 at 2200-2300. Also at times on 575 kHz (BBC MS 20/10)

Voice of Namibia (cf Nov LN-8) now at 1630, and R. Freedom at 1730 via R. Nacional de Angola on 7245/4820/3375 (BBCMS 20/10)

Voice of Zimbabwe via R. Mozambique, in EG obs 1800-1815 on 3265/4855; also announces a 49m channel, unconfirmed (BBCMS 20/10 and 27/10)

Voice of the Burmese People since 2/10 at *1030-1130* on 6304 Tu/Th/Fr/Su. Will change sked from 1/11 either at 1330-1430 or 1400-1500 (Isao Ugusa, FEDXR 27/10) Patriotic Youth Radio has been inactive for some years. Patriotic Youth Front, organization operating the station, itself has very weak strength today (Tin Aung Khaing, Tokyo, FEDXR 27/10) LN-10

FUTURE PLANS UNITED ARAB AMIRATES (sic) Per the Qatari News Agency, a new Qatari radio transmitting stn will be opened next year in the Al-Khisah area near Doha at a cost of about 22 million Q. riyals, including MF, VHF and HF. The 250 kW HF xmtr, which will beam programmes to Europe and North Africa, will be constructed next year. A third xmtr of 100 kW will also be built in the same area. Construction of a new 8-studio broadcasting centre has started, and will be completed within two years at a cost of 32 million Qatari riyals. The present radio centre will also have facilities for broadcasting in EG, UR, FS in addition to the "Popular" pgm in AR (BBCMS 27/10)

FINLAND During the budget year 1978/79, there will be a cut of over 1000 hours in external service broadcasting (OIRT Information via BBCMS 27/10) Assuming this means 1000 hours in a year's time, this would average to 2.74 hours per day, a big dent in R. Finland's output. Now, which language is more important, Finnish or English? (gh)

ECUADOR Raising of the main 417 foot tower for the HCJB steerable antenna took place in 11/76. Another 7 towers of 150 feet will support the antenna reflector. The antenna, including anchors for guy cables, covers an area of 15 acres near Quito, and is due for completion in June 1978. About 18 miles of wire in a horizontal and vertical network is supported by stranded steel cables strung between the main tower and back towers. The 'reflector' is a parabolic shape in the vertical plane, and shaped like the arc of a circle in the horizontal plane. The antenna feed radiator directs power from the transmitter into the reflector, which concentrates the beam somewhat like the bulb of a flashlight shines on the reflector to form a narrow light beam. The antenna is steered by moving the feed radiator along a track inside the reflector, allowing for the direction of the beam to be changed from North Africa up to Europe and North America, from Russia thru to the Far East/Philippines on the other side of the world. The antenna will serve existing transmitters as well as the 500 kW and will allow 3 programs on 6 frequencies to be sent out to 3 different target areas simultaneously (HCJB Wavelength, via Oct NZ DX Times)

DENMARK (Cf Nov LN-7) From reliable sources inside the RD shortwave department, I can tell you that they are trying to get the radio council to reverse the statutes forbidding broadcasts in foreign languages (Jens S. Jensen, Sept DSWCI SWN)

BRAZIL Rumours say that R. MEC will take over the International Service later on.... (Tor-Henrik Ekblom, Sept DSWCI SW News)

THE PULSER The Shemya radar is not HF!! It is the Cobra Dane high power ultra hi resolution phased-array radar, on L-band (David Mackes, MD) Stanbury's supposed new US pulser unlikely--US OTH consistently with 'cleaner' CW--unless experimenting with countermeasures to see what the Russians face. But CW is appropriate for 3-D radar (Larry Magne, PA) Extremely strong woodpecker QRMing 15 & 20m ham, and up to 25 MHz, due to propagation unlikely to be in USSR. Jumps 100 kHz every 5 seconds. Don't discount possibility that it is in Cuba (Perry Ferrell, GILFER, Nov SWNS)

DX PROGRAMS

UKOGBANI BBC's GM DX pgm has changed from Wed to alternate Tues (Andreas Grimmig, GFR, SCDX 25/10) At 0545 on 75m band (Rene Lehne, GFR, SCDX 25/10) more, LN-10 PHILIPPINES LN-10 NEW ZEALAND see below

NETHERLANDS Instead of canning the irrelevant musical interludes on DX Juke Box, to compensate for the reduced time now available for the pgm, RN instead has begun 'regional' editions of the program. Now one must listen to transmissions from Lopik, Bonaire and Madagascar each week in order to hear everything formerly included in a single transmission! However, some items not heard one week on one site, may be used another week on another site. This does not include the four DX Reports, which are now considered of interest only to the area from which they originate! As far as I'm concerned, the NAM DX Report is mainly to tell the rest of the world what we have been hearing over here--we already know thru other media. I resent being forced to listen to a choppy signal from Lopik no later than 2150 in order to hear what Jan Tuner has to report, and likewise the others. Dick Speekman left the door open to drop this experiment if enough listeners protest, and I certainly hope they do. Everything else has been tampered with in RN programming--why not the sacred cow of musical breaks in DXJB, at least alternate weeks when the program is cut to 15 minutes? "Radioactividade", the PT DX pgm is now broadcast once only, Thu around 2240-2305 on Bonaire 15180/15320. "Espacio DX-ista", in SP, is now Fri 2350-2410 Sat on Bonaire 15320/6020, 0150-0210 15310/6165, 0350-0410 9590/6165 (gh)

CANADA LN-10

AZANIA (or, if you prefer, SOUTH AFRICA, oops) R. RSA FR DX pgm, "Coin DX" now sked: next-to-last item on 0500-0550 Sun to CAF on 17780/15220/11900, ditto 0700-0750. Also last item: Thu 1200-1300 C&W&F&E 21535/15220/11900, Wed & Sat 1800-1850 W&F&E 7270, and 2000-2050 CAF &E 15155/11900/9585. EG "DX Corner" next-to-last item Wed 1100-1200 C&E&F 21535/15220/11900, rest Wed & Sat: 1600-1650 E&F&M&E 21535 (very well heard in NAM)/11900/7270; 2100-2150 W&F&E, 2230-2320 NAM, both 15155/11900/9585. GM "Kurzwelleyenreiter" next-to-last on Tue/Thu /Sat 1800-1850 on 15155/11900, with Waldemar Denzin. DT "De Puntjes Op DX" next-to-last on Tue/Thu/Sat 1700-1750 15155/11900, with Pieter Martins (RSA Calling Nov-Apr)

AUSTRIA (Cf Nov LN-9) My notes show the ORF logging was Wed GMT 31/8 0453-0458 on 6015, "we have now come to the end of this broadcast of R. Austria's 'Shortwave Panorama'. Join us again next time..." From my best remembrance, this was the actual end of the show that I caught, not a program plug. No telling what they're doing since (Steven Dubin, NJ)

AUSTRALIA The compromise attempt by RA to offer DX tips as part of "Club Forum" is, in my opinion, a farce. This pgm of 5/11 included 2½ minutes of info, taken out of context from the script submitted to the Japanese Dept. No acknowledgement was given as to the source of the material, except a vague reference to 'material passed on to us'. The 'selected' items used in this 2½ minutes were chosen by ABC personnel without the vaguest notion of their relative importance: one item even missed out on the frequency! I'm sadly disappointed, and somewhat disillusioned (Bob Padula, Victoria, 6/11)

PROGRAM NEWS

UKOGBANI No one should be without the new expanded "London Calling" which is available for US\$10 per year outside Europe, US\$7 inside, from Box 76, Bush House, London WC2B 4PH, England. Here are a few December highlights: This Was 1977, compiled by R. Newsreel team, 30th 2330, 31st 1330, 1930. The Tall Ships, Suns 0745, Tues 2315, Thurs 1115, Fris 0430. Dag Hammarskjöld's Vision, 10th 2330, 11th 1715, 12th 1130. Cambodia: the cry of a nation, 7th 1430, 8th 0330, 9th 2030. Mayfair explored, past & present, 28th 1430, 29th 0330, 30th 2030. The Billington Interview beginning with Alistair Cooke, 7th. Weds 0330, 2030, Fris 1430. Christmas specials: James Cameron on Railways, 24th 1245, 2245, 27th 1645. Round and Round the Horne, 25th 2115, 26th 0815, 1515. Frank Muir on Boxing Day, 26th 1900. Is 'Is' Is? 28th 2225, 29th 0445, 0930. Two Cheers for 77, 24th 1215, 1715, 26th 0230, 17th 0630. The Wit & Wisdom of Robert Morley 28th 0315, 0545. The Queen's message to the commonwealth, 25th 0930, 1500 (gh)

SOUTH AFRICA (or, if you prefer, AZANIA, oops) Springbok Radio has EG nx of the world at 0430-0435, 0530-0535 (Sun 0630-0635), 0845-0850 News for South African Women, 1100-1115, 1700-1715, 2000-2005 (not Sun), 2100-2105 (not Sun) (SABC via BBCMS 10/77) Radio RSA now broadcasts Afrikaans lessons on Mondays. Free copies of the lessons are available on request. I assume this is in 'Conversation Corner', next to last item on 1600, 2100, 2230 BCs

NEW ZEALAND Some RNZ programmes: Checkpoint, Mon-Fri 0910; Insight Sun 2105. Unlike its NPR counterpart, All Things Considered includes 'Faith for Today', "Viewpoint", "Today's Book", Mon-Fri, time not given. Appointment with John Gordon, music and song for the more mature taste, Mon-Fri 0300. Roundabout, magazine at 0400. Arthur Cushen's DX World, first Sun at 0915 (Nov-Feb); Mailbox, third Sunday 0915 (via Wilder Pickard, IL)

ITALY RAI plans to transmit from 1/11 a daily "European Radio Journal" devoted to Euro economic community (EEC) affairs; each 12-min BC will comprise news heads, a commentary by an expert on EEC matters, a phone-in section, and a news bulletin covering EEC developments. (Austrian SW Panorama, 16/10 via BBCMS) But, when? And in what language? (gh)

ISRAEL IBA "Reshet Beth" (B network) now signs on at 0400 on 5882.5/7465 not only with news but also relatively traditional Israeli music. Until this month they had exercises with

piano and classical music. I wonder how non-Hebrew speaking listeners like it? One often hears there is not enough traditional music on SW--does this answer any latent wishes? Comments welcomed to me at IBA, Box 204, Cheltenham PA 19012 (Larry Magne)

INDONESIA RRI-Bandung sked as of 5/9 includes an English lesson at 1030, Armed Forces Pgm at 1115, news in Sunda language at 1230, broadcast for rural listeners 1240, heart consolable orchestra at 1420 (Berita Harian, Bandung, via Isao Ugusa, FEDXR)

HUNGARY Some R. Budapest highlights during Dec: "Report", Tues 2100, Weds 0200, 0300, 1030, 1200, 1430: 6/12, Revolt on Canvas; 13/12, Controlling Competition; 20/12, Manpower Exchange; 27/12. Architecture. The following rotate at 2100 Sat; 0200, 0300, 1020, 2100 Sun; 0300, 1030, 1200, 1430 Mons: week of 10/12, Treble on a Topic: How many languages in Hungary + Aids in Language Studies + Why is English popular. 17/12, On the House: floods + railways + ice hockey + old coins + Islam. 24/12, Christmas Special. 31/12, Backgrounds--songs and groups from Metronome 1977 (Budapest International, via gh)

BURMA The Daily EG pgm sked of BBS for the week of 25/9: daily 0200 news, 0210 Music Now to Nine, 0700 News, 0710 Lunchtime Music (Sun & Sat, request pgm) ... 1530 Portfolio for Easy Listening. Sun 1430 Music from the Movies, 1445 News, 1500 Scenic Burma--where the pine and the Taungzalat grow. Mon 1430 Spotlight on Conway Twitty, 1445 News, 1500 Interlude, 1505 Weekly News Review, 1515 Vocal Gems. Tue 1430 Harmony Time, 1445 A Chopin Recital by Malcuzyński. Wed 1430 Variations on the Tune 'I Who Have Nothing', 1445 News, 1500 Music at Your Request. Thu 1430 Rhythmics, 1500 Music for your Listening Pleasure. Fri 1430 World of Music: The Philippines, 1445 News, 1500 Request Music. Sat 1430 Souvenirs, 1445 News, 1500 Local Talents--pop music by student volunteers at BBS, 1515 Keyboard Constellation (The Guardian, via Isao Ugusa, FEDXR 27/10)

(gh)

AUSTRALIA Hope you're all enjoying "Science Insights", the program replacing DXers Calling

PUBLICATIONS

World Radio TV Handbook 1978 is expected to be published later than the 1977 edition, maybe as late as next spring (JenkinsWDXC)

Radio Luna I have seen the report about Ilona Staller, with sexy show over Radio Luna. Now are available cassette with sexy program from R. Luna head office in Rome: Via Trionfale 5675 (Dario Monferini, Milano)

You Heard It On HCJB, a compilation of items aired over HCJB during the last 45 years, is available from the P.R. office of HCJB, Box 3000, Opa Locka FL 33055, for \$1.00 (HCJB Radio Log via Ed Insinger, NJ)

Electronics Theory Handbook, 1977 edition, contains some interesting articles useful to the SWL/DXer. Both theory and practical applications of electronics are discussed. \$1.50 from Davis Publications, Inc., 229 Park Ave. S., New York NY 10003 (Ed Insinger, NJ)

Radio Wave Propagation Predictions (cf Nov SWC) are now offered for SWLs and other users, monthly or so depending on the cycle. Samples are 75c, 12 issues for \$10 from David Snyder, Brooklyn DX Club, 1137 E. 12th St., Brooklyn NY 11230. If LN isn't enough of a rehash for you, LN itself and other sources are rehashed in ELB, the monthly bulletin of the BDXC, sample for 50c. English Language Broadcasts of the World, Oct. 1977 issue, is similar in format to the country-by-country skeds we used to run in LN, but rapidly outdated. No acknowledgement is given to NASWA/LN tho it must have been a major source. 7 pp, xerox, 55c.

ANARC Member and Associate Clubs, 1977-1978, with brief sketches of each, is available free for a large #10 business size SASE to ANARC, 557 N. Madison Ave., Pasadena CA 91101 (gh)

Guglielmo Marconi is featured on a new cassette series of Spoken World Cassettes from Ivan Berg Associates (Audio Publishing) Ltd. Lasting an hour, the tape is a dramatised biography of Marconi and his times. Cost around 3 pounds, but look for a special offer in the press of this and 2 other historical tapes for 5.75 pounds (Clive Jenkins, WDXC Contact Nov)

Happy Birthday Radio One is a paperback book marking its 10th birthday, available from UK booksellers at one pound. Year by year accounts of programming and events, articles by DJs. Numerous B&W photos. Remarkable in its assessment of R. One. Full credit is given to the pirates for providing staff and ideas. Not lavish, but an interesting collection of facts and anecdotes at a sensible price (Andy Sennitt, Nov WDXC Contact)

VOA Poster now available on request (Patrick Travers, WDXC) Unless you're an American?(gh)

Radio Review, a duplicated magazine priced at 20p for 18 pages, covers mainly local/Free/pirate/offshore radio, available from 44 Tweed Road, Redcar, Cleveland TS10 1PR (WDXC)

Review of International Broadcasting expects to improve its printing method and possibly enlarge with the first issue in 1978. To enable this, and to cover expected postal increases, charges will be raised effective 1 January, to US\$9.00 for 12 issues by first class, or overseas seamaill; US\$15.00 for international airmail. Samples will be 75c in NAM, US\$1.35 international air. Early renewals will not be accepted at the old rate; however, new subscriptions will be if received by 1 January: US\$6.00 for 12 issues, or US\$11.00 international air; samples 50c in NAM, \$1.00 or 5 IRCs air; order directly from gh.

Pirate Radio, by Dave Noland, "High Times" magazine, Dec. 1977. Explores illegal ways radio is being used and may be in the future. Includes "Dope Smuggler's Frequency Guide". A DX article where you'd last expect to find it (gh; tnx Dave Follman, WA, for copy)

LAST MINUTE ITEMS VIETNAM

R. Bac Thai on new 7090v (ex-4690) since around 9/11, sked *1200-1400*(ex-1430*) (Isao Ugusa, 13/11)
Song Be radio station opened on 2/10, with local pgms and Hanoi relays on 62 metres (Quan Doi Nhan Dan--Viet newspaper--via BEGMS 10/11 which adds: not yet traced)

USSR R. Moscow EC a spl pgm of mx and personal msg 1000-1100 6 & 8/11 on 17780/12010/9640 for mine workers in Spitzbergen. Similar pgms for Spitzbergen were broadcast on 28/8 and 3/9 to celebrate Soviet Miners' Day. A further spl pgm of mx and personal msgs for members of the 22nd Soviet Antarctic Expedition in the "Vostok" station was heard on 9490 at 1700 6/11 (BEGMS 10/11)

UKOGBANI The BBC GM DX pgm is at 2050-2100 on 6195/3952½ (Zettl, Austria & Heldt GFR, SCDX)

SWEDEN R. Sweden D77 EG: 1100 9630/17845/21690, 1230 9745/15305/21690, 1400 9665/15305/15315, 1600 6065/9665/11740, 1830 6065/9720/11780, 2100 6065/9605/11845, 2300 6120/9695/11705, 0030 9620, 0230 9695/11705. (R. Sweden)

SPAIN "Fuerza Nueva", a right-wing politicorg plans to set up a radio stn (RNE, BEGMS 10/11)

PHILIPPINES R. Veritas DX pgm time changed again--Mon 1400 11780/11955/15215, Sat 0105 on 11725/15280 (Joe Tangredi, NV, SCDX 8/11)

NETHERLANDS RN's complete new sked, 50min, uos. Lopik exc. B-Bonaire, T-Talata.

0630 DU B9715/9630 NZ	1230 SP 6045/5955 Europe	2030 EG 11740 B21640/17810
0700-0720 EG \$ Waf 11845/9770/ (\$--not Sunday) 7210	1330 DU T17810/11740 SEAs EG 9895/7210/6045/	T15220/11730 Africa
0730 DU 15185/11930/7210/5955 Eur & NWAf	1430 EG T17855/11740 FE/SAs FR 17810/11955/9895/	2130 DU 9715/6085/6020 Nam Sun \$ EG 9715/6085/6020 ENAm DU 17810/15220 SA
EG B9770/9715 Au & NZ	FR 17810/11955/9895/	IN T11730/7285 SEAs
0830 DU B9770 Au & NZ	6020/5955 Af & Eur	2230 DU T11730/7285 SEAs
DU 15195/9895/7210/6045/5955 Europe	1530 AR 21640/17810/9895 ME DU T21685/11730 L6020	2230 DU B15320/15180 Ams Sun \$ PT B15320/15180 Brazil SP 11845/9715/6020 SA
EG B9715 Au & NZ	1630 AR 17810/15220/9895/	2300-2335 SP B800 Caribbean
IN T21480/17810 SEAs	6020 T21640/11730 ME/Af	2300-2400 IN T11730/7285 SEAs
0930 EG 9895/9660/7240/6045/5955 Europe	DU B11790/6020 Grb/Sur	2330 SP B15320/6020 SA/Carib
IN T21480/17815 SEAs	1730 AR 11730 B21640/17810 DU 15220/11740/9895	2335-2410 EG B800 Caribbean
1030 IN 21480/17810/15325/6045/5955 SEAs & Eur	1830 AR 15220/15180/11740 EG 11730 T15380/6020 Af	0000-0020 DU T11730/7285 SEAs
DU T17860/15165 Au & FE	FR B21640/17810 Af	0010-0030 DU B800 Caribbean
1130 DU 15325/9895/7240/6045/5955 Europe	1930 FR 15220/15180/11740 T15380/11730 Af	0030 DU B6165/6020 Ams
IN T21480/17810 SEAs	DU 6020 B21640/17810 AfEu	0130 SP B15310/6165 SA
1230 IN T17810/11740 SEAs	2030 SP 9715/6085/6020 Europe	0230 EG B9590/6165 NAM
SP 11955/11930/9895/above		0330 SP 9590/6165B GAm (RN
		0430 DU B9590/6165 WNA via BEGMS)

LEBANON An anmt at 1800 7/11 on Beirut AR DS said 5980 would close 1805, 1810 to Waf on 11755, 2300-2430 to SA 11755, 0130-0300 to NA 9680; unconfirmed (BEGMS)

ISRAEL Complete sked of IBA 0400-0500 new multi-lang service: On 11775 only 0400 Hebrew, 0405 Bukharian, 0410 Georgian. Next block 11960/11775/9630; 0415 Judeo-Tat, 0420 Russian, 0425 Yiddish. (Rumanian is in progress at 0430 -gh). Next on 11960/9630/5900; 0435 Ladino, 0440 Mogabit, 0445 Spanish. 11960 only for easy Hebrew 0455-0500 (BEGMS 10/11) Pres. Sadat speaking to Knesset 20/11 1400, Begin's reply, etc., were carried in EG translation on special freqs, 17665/15545. Some American nets--NPR and MBS--rebroadcast this SW feed; IBA's normal sked was further disrupted during Sadat's visit, and was 24h. Sadat's speech could be heard in AR on Cairo-17920. In EG, same translator as CBS-TV, on CBC 9625/11720. Also on APRTS, and an unID station on 9640 kHz. It was enlightening to compare two different simultaneous translations! (gh)

CHILE VOFB noted on 17801 clear after VOA 2232* 17/11. Believe first time 16m (gh)

COSTA RICA TIFC sked 1100-0100 5055/6137/6175; 0100-0415 9645, EG 0300 (Mon 0230)-0415, Sun 1900-2200 (Giovanni Mora, CR, SCDX 1/11)

CANADA Why wait? Get the DX news first on RCI's DX Digest, now in two separate editions on Sunday ECs. One is at 1800, 1900(Eu), 2130, 0100, 0300. The other at 1900(Af), 2000, 0200, 0400. See LN-2 for frequencies. If you appreciate this, please write RCI (gh)

ARGENTINA RAE obs on 11710 on this sked Mon-Fri; 1900 SP, 2000 IT, 2100 GM, 2200 FR, 2300 EG, 0000 PT, 0100-0200 SP, last two Tue-Sat GMT (BEGMS 10/11)

V. of the People of Burma retimed 1/11 on 6304 to 1330-1430, ex 1030-1130 (BEGMS)

scoreboard

MYRON SMITH, editor
 36 Ogden Center Road
 Spencerport, New York 14559

DECEMBER 1977

Reporter/Location	#	#	Loc	Yr	Recevr	C/H	C/V	S/H	S/V	Oceania/Antarctica	
										C/H	C/V
1 James Young, Calif	3	25	HQ180A	222	207	860	284	13*	18*	AFAN	McMurdo 6012
2 John Campbell, Austral	3	7	51S1	221	204	---	428	17*	17	R Puckapunyal	7850
3 John Tuchscherer, Wisc	1	55	HQ180A	219	---	1122	---	17*	--	Fiji	3230
4 Irving Johnson, Calif	1	5	SPR4	217	69	---	---	15*	--	R Noumea	7170
5 Sam Barto, Conn	3	13	-----	216	203	1351	916	--	--	-----	-----
6 Richard Pistek, Ill	1	15	HQ180A	214	208	---	371	18*	18*	AFAN	McMurdo 6012
7 Dan Henderson, Md	3	12	-----	213	200	---	---	16	14	R New Ireland	2428
8 Bob Padula, Australia	1	12	-----	212	205	---	---	15	15	SIIBS	5960
9 Marlin Field, Mich	1	17	SPR4	211	204	857	722	15*	14*	R Kerema, Papua	3245
10 Al Sizer, Conn	1	9	SPR4	211	201	884	326	16	14	RRI Sorong	4872
11 Geoff Cosier, Australia	1	5	5R5DS	211	182	---	---	---	---	-----	-----
12 Bill Sparks, Calif	1	22	R390A	210	204	---	649	18*	18*	New Ireland	2428
13 Edward Shaw, Ky	2	13	-----	210	199	783	458	16*	15*	Fiji	7195
14 Alan Mayer, Ill	1	17	SPR4	209	182	709	316	15*	14	R New Ireland	2448
15 David Potter, Fla	1	10	-----	207	---	780	---	15	---	-----	-----
16 Ernie Behr, Ont	2	22	-----	205	181	1015	305	15	12	R Vila	3945
17 Roger Legge, Va	3	44	51J4	204	177	---	744	15	13	ZMB6 Apia	7700
18 Dan Robinson, DC	3	7	-----	202	153	---	---	---	---	-----	-----
19 Bill Whitacre, Mich	1	8	R4B	201	159	---	195	15*	14*	AFAN	McMurdo 6012
20 Myron Smith, NY	1	13	R390A	200	159	---	248	14	10	RRI Sorong	4875
21 Albert Garrou, Ill	3	11	-----	200	144	342	178	---	---	-----	-----
22 Al Niblack, Ind	---	---	---	200	130	---	---	---	---	-----	-----
23 Jerry Berg, Mass	3	19	SB310	199	190	---	---	13*	11*	SIIBS	3995
24 Edward Kusalik, Ont	3	12	R388	198	163	315	260	17	11	Fiji	3230
25 Victor Jaar, Que	2	13	R530	198	4	---	---	12	---	-----	-----
26 Alan Roth, NY	---	18	SPR4	197	181	610	465	12	10	Fiji	5980
27 Serge Neumann, Ind	4	14	HQ180A	193	170	---	201	---	---	-----	-----
28 Larry Yamron, Pa	2	7	-----	190	149	---	---	11	11	SIIBS	3995
29 Al Miller, Ohio	1	6	-----	188	167	466	214	12	10	SIIBS	3995
30 Gerald Bishop, Pa	2	2	-----	188	129	444	182	14*	10	R Bougainville	3290
31 Neal Perdue, Ala	2	7	HA600A	188	55	---	---	---	---	-----	-----
32 Tom Gavaras, Minn	1	8	HQ180	185	144	309	222	10*	7*	-----	-----
33 Larry Abraham, Mich	1	6	-----	180	139	345	191	12	10	R West New Britain	2340
34 Joe DiLeo, Conn	1	8	-----	179	153	522	349	11	10	SIIBS	5020
35 Andy Robins, Mich	1	5	-----	179	124	---	---	13	9	R Vila	3945
36 John Fisher, Ont	1	7	-----	178	136	436	228	9	8	R Noumea	11710
37 Rob Vokes, Tex	2	3	-----	178	103	515	135	12	7	R East New Britain	3385
38 Charles Brunner, Pa	1	4	-----	174	85	---	---	---	---	-----	-----
39 John Sgrulleta, NY	1	19	SPR4	173	173	---	---	10	10	SIIBS	3995
40 Mike Ryan, Calif	---	---	CRP320	172	153	---	---	---	---	-----	-----
41 Hank Michalenka, RI	1	11	-----	172	136	293	154	11	9	UNTEA W Irian	6070
42 John Herkimer, NY	1	8	FRG7	170	148	---	---	12	9	Fiji	3284
43 Chris Lobdell, Mass	1	13	FRG7	169	152	---	---	8	8	SIIBS	5020
44 Jim Fedor, Conn	1	2	FRG7	169	107	325	152	11	8	KTWR Guam	9640
45 Charles Wootten, Turkey	5	6	R530	168	139	424	306	6	6	R East New Britian	3385
46 Bobby Hobbs, NC	1	6	FRG7	168	96	262	153	11	7	R Noumea	7170
47 Wade Smith, Mass	2	6	-----	164	95	---	---	---	---	-----	-----
48 Hadley Cress, Va	1	4	HRO500	162	6	---	---	8	---	-----	-----
49 Jim Zabransky, NJ	2	7	-----	160	148	---	---	---	---	-----	-----
50 Robert Wiles, W Va	1	3	XCR30	160	122	---	174	12	12	RRI Sorong	4872
								7	5	R Tahiti	9750

Reporter/Location	#	#	Loc	Yr	Recvr	C/H	C/V	S/H	S/V	Oceania/Antarctica		
										C/H	C/V	Best QSL/frequency
51 Richard Schwartz, Del	5	20	-----	160	121	---	---	---	---	--	--	SILS 5020
52 Albert Cannon Jr, NC	1	8	HQ100	160	119	---	---	---	---	11	9	VLI6 Australia
53 Jay Florian, Ill	4	4	-----	159	100	373	151	-----	-----	-----	-----	-----
54 Jerry Lineback, Ill	1	9	SPR4	158	94	308	117	11	8	SIIBS	5020	-----
55 Jerry Stuart, Okla	1	13	-----	156	125	224	216	16	9	R Tahiti	6135	-----
56 Martin Foltz, Mich	1	6	-----	155	94	302	110	---	---	---	---	-----
57 Kent Willis, Ky	1	1	-----	151	87	297	89	---	---	---	---	-----
58 Jim Ronda, Ohio	1	5	-----	150	103	---	---	---	---	---	---	-----
59 Bob McCoy, Nebr	1	4	-----	149	81	386	94	---	---	---	---	-----
60 Neal Kolb, Fla	-	-	-----	149	75	---	---	6	4	---	---	-----
61 Bryan Price, Ky	1	8	-----	148	78	320	95	---	---	---	---	Jounea 7170
62 Jack Troy, Va	1	4	-----	145	37	---	---	---	---	---	---	-----
63 Niel Wolfish, Ont	1	2	-----	144	100	295	153	8	5	PZK4	Papua	-----
64 Kerry Brandt, NY	1	-	-----	142	92	---	---	---	---	---	---	-----
65 Robert Beaudoin, Conn	1	2	-----	140	126	---	126	---	---	---	---	-----
66 Troy Gower, Ill	1	2	-----	139	104	146	110	---	---	---	---	-----
67 Andrew Pineault, Que	1	5	FRG7	138	89	202	102	6	5	Port Moresby	4890	-----
68 Terry Krueger, Fla	5	5	QR666	137	89	277	119	---	---	---	---	-----
69 Lauren Ware, Va	1	2	DX160	136	47	276	51	11	2	Port Moresby	4890	-----
70 Joey Nonnast, Tex	-	-	-----	135	118	238	165	9	6	ABC Sydney	6090	-----
71 Henry Rockwood, Ohio	1	3	-----	135	108	---	140	6	5	Port Moresby	4890	-----
72 Dan McCarthy, Fla	2	3	DX160	135	106	145	126	7	6	---	---	-----
73 Arthur Watson, BC	1	4	-----	135	74	275	91	11	5	R Tahiti	15170	-----
74 Ira Teitelbaum, NJ	1	3	-----	133	118	302	234	---	---	---	---	-----
75 Bill Paschke, Wisc	1	9	-----	133	79	286	101	---	---	---	---	-----
76 Mac Leonhardt, Ind	-	-	-----	133	70	---	---	---	---	---	---	Port Moresby 4890
77 Tom Overcamp, SC	2	3	-----	132	105	---	---	---	---	---	---	Port Moresby 4890
78 Neil Schulman, NY	1	2	-----	132	83	224	95	---	---	---	---	-----
79 Philip Wala, Mich	1	8	5900W	131	97	241	143	9	7	SIIBS	5020	-----
80 Greg Ravenhorst, Minn	1	5	R4C	131	97	185	130	10	8	R Manus	3905	-----
81 Michael Agner, NJ	2	5	-----	131	75	332	77	4	4	VNG Australia	-----	-----
82 Allan Courtney, Ky	1	5	SX190	131	51	260	56	8	5	VLT4	4980	-----
83 Jim Uerlings, Ore	3	7	SX130	131	11	276	11	12	1	R New Zealand	-----	-----
84 Woody Seymour Jr, NC	1	8	-----	129	105	---	---	---	---	---	---	-----
85 Mike Hardester, Okinawa	2	9	-----	124	112	221	186	13	12	R Fiji	3230	-----
86 Robert Fleck, Ill	2	10	-----	124	84	---	---	---	---	---	---	-----
87 Edward Pyatt, Pa	5	14	XCR30	123	110	183	158	6	5	Port Moresby	4890	-----
88 Scott Newman, Ill	1	4	-----	123	80	---	---	---	---	---	---	-----
89 Adam Gaffin, NY	-	-	-----	122	78	238	126	---	---	---	---	-----
90 Charles Foxx Jr, Va	-	-	-----	120	106	161	138	8	7	R Rabaul	3385	-----
91 Charley Hoffman, Pa	1	2	FRG7	120	75	---	---	9	6	KTWR Guam	9640	-----
92 David Snyder, NY	1	4	-----	119	54	---	---	---	---	---	---	-----
93 Jim Davis, Calif	-	4	-----	118	77	228	92	12	8	R Chimbu	2376	-----
94 Peter Schipelliti, Mass	1	2	FRG7	117	53	212	80	---	---	---	---	-----
95 Mitchell Taylor, Ga	2	2	DX160	117	46	161	60	8	4	KTWR Guam	15115	-----
96 Henry Lazarus, La	1	9	-----	116	109	336	274	---	---	---	---	-----
97 Werner Hoffman, Calif	1	2	-----	115	---	180	---	13	---	---	---	-----
98 Jeff Roth, Ohio	1	10	5900W	113	77	203	88	---	---	---	---	-----
99 Graeme Brown, BC	1	1	-----	113	57	164	93	10*	7	R Vila	3945	-----
100 Larry Edelstein, NY	1	6	SPR4	113	27	---	---	6	2	R Australia	17795	-----
101 David Ball, Ont	1	5	-----	109	98	185	127	7	7	R Rabaul	3385	-----
102 Brian Alexander, Pa	1	6	DX160	109	63	192	80	5	3	R New Zealand	9540	-----
103 Dave Twiggs, Conn	1	2	-----	108	77	210	119	---	---	---	---	-----
104 Robert Kozionkowski, NY	-	-	-----	108	55	135	80	4	3	R Tahiti	-----	-----
105 David Sarrazin, Colo	1	3	NC183D	107	61	167	69	6	5	Port Moresby	4890	-----
106 Pat Tobin, Pa	1	3	-----	103	74	165	93	---	---	---	---	-----
107 Steve Shotola, Ill	1	2	-----	101	71	145	82	---	---	---	---	-----
108 Keith Russell, Ill	2	4	-----	101	69	145	71	8	7	SIIBS	5020	-----
109 Mildred Marshall, ND	-	9	SX122	100	89	164	142	5	5	R Tahiti	11850	-----
110 Bruce Lavery, Ga	1	1	-----	100	2	184	2	---	---	---	---	-----
111 Bill Bogel, Calif	1	2	-----	100	---	---	---	---	---	---	---	-----
112 Gary Blasini, Alta	1	2	SPR4	99	48	---	---	11*	8	R North Solomons	3322	-----
113 Joe Delap, Ark	1	2	-----	98	45	177	60	---	---	---	---	-----
114 Tom Blossom, Ohio	4	16	SPR4	97	84	---	---	9	8	ORTF New Caledonia	7170	-----
115 Susan Wyllie, Mass	1	4	-----	97	79	146	118	4	4	R Tahiti	11825	-----
116 Paul Dumire, Mo	1	1	-----	97	53	148	63	---	---	---	---	-----
117 David Heimke, Mich	-	-	-----	96	68	---	---	5	4	Port Moresby	4890	-----
118 Ted Miszynski, Conn	1	3	RF2200	96	43	143	46	---	---	---	---	-----

Reporter/Location	#	#	C/H	C/V	S/H	S/V	Oceania/Antarctica			
							C/H	C/V	Best QSL/frequency	
119 W Robert Viau, Que	-	--	HRO50	94	73	---	99	4	4	R New Zealand 6080
120 Kevin Mikell, Ill	1	2	XCR30	94	73	182	112	--	--	-----
121 Timothy Noonan, Wisc	1	2	-----	94	66	180	93	6	3	Port Moresby 4890
122 James Milvey, NY	1	3	-----	90	75	---	---	--	--	-----
123 Michael Bolitho, Ont	1	1	-----	86	59	110	70	3	2	R Tahiti 11825
124 Larry Talbot, Wisc	1	5	-----	85	67	---	---	-----	-----	-----
125 Jay Golden, Ill	-	-----	-----	84	57	105	71	--	--	-----
126 William Mann, Ont	1	5	-----	83	72	91	77	--	--	-----
127 Ciro Guarducci, BC	1	4	-----	82	73	169	112	--	--	-----
128 Tim Barany, Ill	1	2	5900W	82	63	---	---	-----	-----	-----
129 Dale Bohlke, Minn	1	1	FRG7	82	43	103	55	4	4	ABC Brisbane
130 Pete Grenier, Calif	2	8	-----	81	63	107	74	8	6	Port Moresby
131 Albert Muick, Pa	1	4	2520	80	78	170	149	--	--	-----
132 Charles George, Tex	1	5	SSR1	80	54	---	---	3	3	Port Moresby 9570
133 Mickey Delmage, Man	1	5	-----	79	74	112	96	--	--	-----
134 Robert Ward, NB	1	2	SX190	79	57	128	69	3	1	R Australia 9570
135 Mike Brooker, Ont	4	4	-----	78	53	109	65	--	--	-----
136 Arnold Lausevich, Wisc	-	-----	-----	77	56	---	---	-----	-----	R East New Britian 3385
137 Richard Lucas Jr, NY	-	-----	-----	77	53	---	---	4	2	-----
138 Frank Hermann, Ont	2	3	DX160	76	66	138	118	--	--	Port Moresby 4890
139 Jackie Cole, Colo	4	4	-----	75	53	---	---	-----	-----	-----
140 Bruce Schoenfeld, Conn	1	3	-----	74	58	122	71	--	--	-----
141 Chuck Self, Minn	1	2	DX150A	74	58	109	75	--	--	-----
142 Anton Dubrick, Ill	1	2	-----	73	46	119	67	--	--	-----
143 Tony Capobianco, NY	4	4	SNA	69	53	---	---	5	5	R Noumea 11710
144 Aaron Gadouas, Vt	2	1	-----	67	29	80	31	--	--	-----
145 Dave Valko, Pa	1	1	DX160	66	51	80	51	--	--	-----
146 Roger Peterson, Conn	1	1	-----	64	57	68	60	--	--	-----
147 Larry Klassman, Ill	1	1	-----	61	50	76	61	--	--	-----
148 Martin Alintuch, Mass	1	1	-----	59	45	78	59	--	--	-----
149 Joe Elias, Calif	1	3	Astro8	59	45	75	56	--	--	-----
150 Wayne Grow, Pa	1	4	-----	58	20	75	20	--	--	-----
151 Bob Schneck, Mo	1	1	-----	55	21	80	25	--	--	-----
152 Edward Stroh, Ill	1	1	SPR4	54	48	132	118	--	--	-----
153 Ken Delong, Pa	1	2	5900W	52	37	67	49	2	2	R Australia 9580
154 Thomas Kenry, NJ	1	2	-----	51	24	60	30	1	1	R Australia 9580
155 Daniel Conti Jr, NY	1	1	-----	50	32	60	34	--	--	-----
156 Joe Ihnat Jr, Pa	1	2	DX160	48	40	55	45	4	3	R New Zealand 15130
157 Robbie Berezowski, Alta	1	1	Patrol9	46	27	58	24	4	2	R Australia 5995
158 John Hathaway, Ill	1	12	-----	44	20	215	48	--	--	-----
159 Robert Zajda, Mass	1	1	-----	44	17	52	17	--	--	-----
160 Tom Lister, BC	1	1	DX160	40	22	50	34	5	4	ABC Sydney 6090
161 Lexington Smith, NY	-	-----	-----	40	20	---	---	-----	-----	-----
162 Bobby Dunnigan, NC	1	1	-----	33	13	42	16	--	--	-----
163 Peter Giacopelli, NY	1	1	-----	31	24	---	---	--	--	-----

The totals in the spotlight C/H and C/V columns are for Oceania countries only. An asterisk in the column means that in addition to that number, Antarctica was also heard and/or verified. Under best QSL I used the Oceania one if I had it, figuring that the asterisk would point out McMurdo QSLs. If I didn't have an Oceania I used McMurdo.

TOP TEN BY COUNTRIES
VERIFIED

1. Richard Pistek	208
2. James Young	207
3. Bob Padula	205
4. John Campbell	204
Marlin Field	204
Bill Sparks	204
7. Sam Barto	203
8. Al Sizer	201
9. Dan Henderson	200
10. Edward Shaw	199

TOP TEN OCEANIA/ANTARCTICA
HEARD

1. James Young	19
Richard Pistek	19
Bill Sparks	19
4. John Campbell	18
John Tuchscherer	18
6. Edward Shaw	17
7. Irving Johnson	16
Dan Henderson	16
Marlin Field	16
Al Sizer	16
Alan Mayer	16
Bill Whitacre	16

VERIFIED

1. James Young	19
Richard Pistek	19
Bill Sparks	19
4. John Campbell	17
5. Edward Shaw	16
6. Bob Padula	15
Marlin Field	15
Bill Whitacre	15
9. Dan Henderson	14
Al Sizer	14
Alan Mayer	14

HAPPY HOLIDAYS

NEXT DEADLINE IS FEBRUARY 15. SPOTLIGHT IS SOUTH AMERICA. You must update once a year.

QSL REPORT



BILL OLIVER, EDITOR
45 Wildflower Road
Levittown, PA 19057

DECEMBER 1977

Tom Gavaras, our editor of Log Report "C", makes the headline this month with his verification of AFAN McMURDO, Antarctica! A beautiful catch! I know of other DXers who sent reception reports to this station, but this is the first reply that I've heard of. Congratulations, Tom. And onward....

AFARS & ISSAS: FR3, 4780, white FR3 cd in 6 weeks for mint stamps. Came just before the name change and independence. (Abraham-MI).
ALBANIA: R. Tirana, 6200, "Revolutionaire" cd w/o freq in 76 days for 2 IRC's. (Zajda-MA).

R. Peking Relay, 9780, "Fishing Boat" cd in 30 days. No rp.
(McKinney-PA); cd w/o time and pennant in 22 days. No rp. (Baum-FL).
ALGERIA: RTVA, 9685, blue/white "Logo" cd, sked and FF rpt form in 60 days for 2 IRC's, used stamps, pcd and FF rpt on AA xmsn sent on a Speedx trilingual form. (Meehan-CT); same in 2 months for FF rpt. (Poulos-IL).
ANTARCTICA: AFAN, 6012, no-data cd with verie statement in 115 days for mint stamps. (Gavaras-MN).

ARMENIAN SSR: R. Yerevan, 15180, f/d micro "certificate" in 96 days for EE rpt on Armenian xmsn. No rp. (Willis-KY).

R. Moscow via Yerevan, 17700, f/d cd w/site in 5½ weeks for EE rpt on African Svc. No rp. (Kusalik-ONT).
ASCENSION IS: BBC Relay, 9580, no-data cd, sked and QSL policy info in 53 days. No rp. (Sandborn-TN).

ASIATIC RSFSR: R. Moscow via Khabarovsk, 11720, f/d cd, rpt form and letter in 51 days. No rp. Via Irkutsk, 15420, same in 34 days. No rp. (Weber-OH). Via Chita, 9700. Via Kenga, 9660, cds in 1 month for ECNA Svc. (Barto-CT).
AUSTRALIA: R. Australia, 17795, f/d cd in 3 months. No rp. (Troster-ONT): 15320, f/d cd in 30 days. (Vernetti-MARSHALL IS): 15160, f/d cd in 148 days. No rp. (Lister-BC): 9550, f/d cd in 15 days for 1 IRC. (George-TX): 9515/5995, f/d cds in 188 and 163 days. No rp. (Berezowski-ALB). Cards were "Fringe Lily", "Sturt Pea" and "Scarletcrested Parakeet".

VLW9-Perth, 9610, f/d map cd in 51 days for 1 IRC. (Willis-KY).
VLH9-Melbourne, 9680, f/d cd in 23 days. No rp. (Weber-OH).
AUSTRIA: ORF, 6015, "Austrian Art" cd in 6 weeks. No rp. (Poulos-IL): 9770, f/d "Austrian Challenge" cd, sked in 46 days. No rp. (Yacono-NY); f/d "Adam" cd, sked and rpt form in 39 days for 1 IRC. (Desrosiers-MA); f/d "Moosbrunn Site" cd, sked, rpt forms in 38 days for rpt on GG xmsn. (Poppin-CA).
AZERBAIJAN SSR: R. Moscow via Baku, 21490, f/d cd w/site in 5½ weeks for EE rpt on African Svc. No rp. (Kusalik-ONT).

BELGIUM: BRTV, 9725, f/d "Globe" cd, nice pennant, sked, rpt forms in 48 days for 1 IRC. (Sbordone-FL): 9730, same w/tourist info and Mail Bag transcript in 36 days for 1 IRC. (Dawson-ALB): 6065, same cd, sked, tourist info and pcds in 3½ weeks for 1 IRC. (Stanziale-CT).

BRAZIL: R. Cultura do Para, 5045, QSL cd w/freq, other station info in 23 days for PP rpt, tape and mint stamps. They also sent an IRC! (Lazarus-LA).
BRUNEI: RTV Brunei, 7215, date/freq "Map & City" cd and sked in 24 days for 2 IRC's. Postage on envelope = \$1.00. (Wala-CA); same in 51 days for 4 IRC's. (Gavaras-MN); same in 34 days for 2 IRC's. (Kusalik-ONT); same in 39 days for 3 IRC's. (Vincent-TX); same in 21 days. No rp. Sked lists 7215 kHz as Berakas, not Tutong. V/s N.J.A. Frigout, CE. (Willis-KY).

BULGARIA: R. Sofia, 9530, "Sofia U" cd, letter, sked and rpt cds in 112 days for 1 IRC. (Miller-WV); same in 73 days w/o sked for 1 IRC. (Desrosiers-MA): 9700, same in 96 days. No rp. (Golkin-NY): 9705, same in 26 days for 1 IRC. (Mrowczynski-NJ).

CAMEROON: R. Garoua, 5010, nice verie letter w/o time from Jim Achanyi-Fontem in 40 days for EE rpt and 5 used stmpms. No rp. Jim says they need US pop music for their programming. (Cannon-NC); f/d letter from Jim who said he would like to be my pen-pal in 25 days for 1 IRC. (George-TX).

R. Yaounde, 4972, f/d FF "World Map" cd in 27 weeks for EE rpt on

EE xmsn and used stamps. (Sarrazin-CO); same in 208 days. No rp. (Gionet-NB); cd in 2 months. (Barto-CT).

CANADA: CBC Northern Svc, 11720, no-data "Geese Flying" cd in 24 days. No rp. (Bohlke-MN); f/d "Eskimo" cd in 40 days. No rp. (Baum-FL).

CHNX, 6130, cd w/o time, fact sheet in 7 days. No rp. (Ward-BC).

CANARY IS: RNE Relay, 11880, f/d cd w/site and pennant in 37 days. No rp. According to sked, 11880 kHz is via Tenerife only at 1730-1930 and 2045-2300 in only SS. All other times are via Noblejas or Madrid. (Willis-KY).

AFAN MEMPHIS
NAVY/NAVY BRANTONICA
FPO, SAN FRANCISCO, CALIFORNIA

WELCOME TO THE CLUB: 12-AM

YOU ARE ONE OF THE FEW INDIVIDUALS WHO HAVE HEARD THE AMERICAN FORCES RADIO STATION IN ANTARCTICA. AFAN BROADCASTS 24 HOURS PER DAY FROM 77° 51' SOUTH 165° 39' EAST. AFAN SERVES THE MILITARY AND CIVILIAN PEOPLE WORKING WITH THE UNITED STATES ANTARCTIC PROGRAM. LISTEN AGAIN.

Tom Givens
16029 17th Avenue North
Wynnet, MINN., 55391

Job P. M. 11/22/77
AFAN STATION MANAGER

CENTRAL AFRICAN EMPIRE: Voix de l'Empire Centrafricaine, 5038, date-only FF cd featuring half-nude dancing girl from H.G. Hytahe in 33 days for FF rpt and 2 IRC's. I sent the rpt to the address given in May 77 FRENDX, page QSL-2. Two previous rpts went unanswered. (Cannon-NC).

CHINA: R. Peking, 15060, deep pink "Peony" cd w/o time in 16 days. No rp. (Poppin-CA); "Fishing" cd, pd in 40 days. No rp. (Meehan-CT); cd w/o time showing lumbering operation, sked and promise of mags in 24 days. No rp. (Pickard-IL): 15435, no-data "Song of Forest" cd in 27 days. No rp. (Sandborn-TN).
COLOMBIA: R. Nacional, 4955, cd in 49 days for EE/SS rpt and 2 IRC's. V/s Juan Climaco Arbelaez. (Weber-OH).

Ecos del Combeima, 4875, cd, stamps, sticker, 1 and 2 peso notes in 3 months. V/s Alfonso Tovar S. (Barto-CT).

La Voz de los Centauros, 5962, date-only cd in 63 days for EE/SS rpt and 2 IRC's. V/s Guillermo Torres Bernal. (Weber-OH).

R. Sutatenza, 5095, f/d cd w/station info on it in 270 days for EE rpt and 2 IRC's. (McManus-BC).

R. Guatapuri, 4915, personal letter, large felt pennant in 28 days for EE/SS rpt and 2 IRC's. V/s Alex Quintero Castro would like picture postcard views. (Weber-OH).

COOK IS: R. Cook Is. 5045, f/d cd showing man blowing into a seashell in 210 days for EE rpt and 3 IRC's. Cd lists power as 500 watts. Address on cd: CIBNC....P.O. Box 126....Avarua, Rarotonga. (Willis-KY).

CUBA: RHC, 9525, f/d cd, booklet in 60 days. No rp. (Wallace-JAPAN): 9685, "Logo" cd, 2 booklets on the revolution in 91 days for 1 IRC. (Mrowczynski-NJ): 11760, f/d orange/purple cd, sked in 3 months for 1 IRC. (Baum-FL).

CYPRUS: CBC, 9770, cd in 5 weeks. (Barto-CT); f/d "Scenes" cd in 30 days for EE rpt and 1 IRC. (Sandborn-TN); f/d cd in 1 month for EE rpt on GG xmsn and 1 IRC. (Troster-ONT).

BBC Relay, 6180, no-data cd, skeds in 18 days. No rp. (Pond-

CZECHOSLOVAKIA: R. Prague, 5930, f/d cd in 15 weeks. No rp. (McManus-BC): 9540, rpt forms on 1 on Wednesday and f/d cd on Thursday after 4 months for 1 IRC.

7345/11990, f/d "Brno Trade Fair Grounds" cd in 90 days. No rp.

DENMARK: R. Denmark, 15165, f/d "Radiohous" cd in 16 days. (S

RODESEAN IS: VOA-Rhodes, 6015, cd w/o date in 11 days. No rp.

DOMINICAN REP: R. Mil, 4930, verie letter mentioning "1180 kHz

head showing "4940 kHz" in 27 days for 1 IRC. The person to write to is Rosario S. Cavallo who is studying English. (O'Riordan-VA).

La Voz de las Fuerzas Armadas, 4825, verie letter from Fidel Teodoro Baez Berg, Coronel, and red/white/blue HIFA pennant in 1 month for mint stamps and pcd. (Abraham-MI).

ECUADOR: HCJB, 9560, f/d "Antenna Switching Unit" cd, sked, religious tract in 18 days for mint stamps. (Fraser-MA); same cd in 25 days for 40¢ in stamps. (Meehan-CT); same cd, calendar, religious info, big wall poster, letter and pennant in 20 days. Note says "Send 2 IRC's for further QSL's." (Verneti-MARSHALL IS): 9560/15115, cds in 40 days. No rp. (Burns-IL).

EGYPT: R. Cairo, 9475, f/d cd, beautiful "Luxor Temple" pcd, sked in 75 days for 2 IRC's. (Hartsell-CA); f/d "Statue" cd, sked in 72 days. No rp. (Vincent-TX); f/d cd in 90 days after a total of 9 rpts in 16 months!!! This was the toughest station for me to QSL yet! Has anyone else had this much trouble with R. Cairo? (Willis-KY). They kept George Poppin entertained for some time, Kent.

ENGLAND: BBC, 9915, cd, sked in 27 days for 1 IRC. (Mrowczynski-NJ).

VOA-Woofferton, 7200, no-data cd in 6 days. No rp. (Sandborn-TN): 7295, f/d cd, sked in 11 days. No rp. (Ponder-TX).

EUROPEAN RSFSR: R. Moscow via Moscow, 9680. Via Serpukhov, 15505. Via Tula, 7250/15490. Via Armavir, 15375. Cds in 1 to 2 months. No rp. (Kusalik-ONT, Lazarus-LA, Mikell-IL, Barto-CT, Fraser-MA, Rockwood-OH, Sandborn-TN).

R. Station Peace & Progress, 16mb, "Country Side" cd in 84 days. No rp. (McKinney-PA): 19mb, "Red Rose" cd, sked in 5 weeks. No rp. (Stanziale-CT).

FINLAND: R. Finland, 15105, f/d "Finnish Flag" cd, sked and prgm note in 54 days. No rp. (Golkin-NY); same cd, letter, sked and a recipe in 37 days for 3 IRC's and 4 pcds. (Swenson-WI); same cd, sked in 1 1/2 months. No rp. (Blossom-OH); same w/letter and "Hear Finland" in 35 days for 1 IRC.

(O'Riordan-VA): 15260, same cd, sked in 26 days for 1 IRC. (Mrowczynski-NJ).

FRANCE: RFI, 15155, "Moulin Rouge" cd in 2 months. No rp. (Poulos-IL); "Couleurs et Lumiere de France" cd, 3 skeds in 99 days for Gilfer rpt form.

No rp. (Berezowski-ALB): 15200, same f/d cd in 2 months. No rp. (Stanziale-CT); f/d "Moulin Rouge" cd in 49 days. No rp. (Vincent-TX).

GEORGIAN SSR: R. Moscow via Tbilisi, 9760, f/d cd in 39 days. No rp. (McCarthy-FL); in 70 days. No rp. (Meehan-CT); in 59 days. No rp. (Oliver-PA)

GERMANY (E): RBI, 11700, f/d "DX Club" cd, "RBI Journal", letter promising mags in 54 days. (Desrosiers-MA): 9730, "Jungfernbrucke" cd, letter and promise of mags from Rudi Friedel in 47 days. Rudi is tied with Lech of Polish Radio for the best letter writer in International Broadcasting. He wrote "We have several series with a total of about 50 various QSL cards available and we try to guarantee that each report is verified with a different QSL card." Very nice policy and excellent cards. (Meehan-CT).

GERMANY (W): Deutsche Welle, 9765, no-data cd in 52 days for 1 IRC. (Miller-WV): COLO, same in 111 days for Gilfer rpt. No rp. (Berezowski-ALB): 11705, same w/"Hallo Friends" and pennant in 108 days. No rp. (Lister-BC).

Deutschlandfunk, 7130, f/d "Adenauer" cd, letter from Czech Svc, pennant, pin amd 24 x 36 poster in 78 days. No rp. (Kusalik-ONT).

Sudwestfunk, 7265, date/freq "Abstract Ear" cd in 36 days for 1 IRC. QRP-20 kw and Rohrdorf, the site, were also on the cd. (Hoffman-FA).

Sender Freies Berlin, 6190, map cd w/o time in 15 days for EE rpt on GG xmen. No rp. (Cannon-NC).

VOA-Munich, 3980, f/d cd in 9 days. No rp. (Sbordone-FL).

GREECE: Voice of Greece, 9760, f/d cd, sked in 24 days. No rp. (Ponder-TX): 11730, same in 27 days. No rp. (Sandborn-TN): 17830, same in 84 days. No rp. (Wallace-JAPAN).

VCA-Kavala, 5985, f/d cd in 15 days which includes the time it took to return the cd to them for date. (Weber-OH): 15160, f/d cd in 13 days. No rp. (Wallace-JAPAN).

GUAM: TWR, 9640, f/d cd in 22 days for 1 IRC. (Gionet-NB); same in 13 days for 13¢ stamp. (Wala-GA): 11780, same in 1 month for 1 IRC. (Wallace-JAPAN); same in 30 days for 2 13¢ stamps. (Cannon-NC).

GUATEMALA: La Voz de Guatemala, 3360, f/d cd, pennant in 31 days for EL/SS rpt and 2 IRC's. (Weber-OH).

R. Chortis, 3380, f/d form letter which included QSL and sked on one side and pennant on the other and religious newspaper in 19 days for LE/

rpt and 2 IRC's. (Weber-OH); f/d Bx 11 R. Chortis colored banner and "Radio Boletin" SS paper in 17 days for SS rpt and 3 IRC's. (Poppin-CT).

R. Cultural (GMA), 3300, date/freq "Quetzal" cd, tourist and scenic info, sked, antenna info in 32 days for Gilfer rpt. (Desrosiers-MA)

- NSB-Tokyo, 3925, beautiful f/d cd showing silver antennas against a rainbow-colored sky, info sheet in 42 days for EE rpt on EE language lessons for Japanese listeners and 1 IRC. Postage on reply = 120 (sen?). (Wala-CA).
KAZAKH SSR: R. Moscow via Alma Ata, 17850, f/d CMEA cd, letter mentioning site, 3 pcds of Kremlin and mint stamps in 50 days for EE rpt and used stamps. (Kusalik-ONT).
KENYA: Voice of Kenya, 4915, f/d aerogramme w/station drawings in 30 days for EE rpt on Swahili xmsn. No rp. African VIC #30. (Willis-KY).
KIRGHIZ SSR: R. Moscow via Frunze, 15500, f/d cd in 43 days for rpt on South Asia Svc. No rp. (Gionet-NB).
KOREA (S): f/d "Stamps" cd, sked and rpt forms in 18 days. No rp. (Berezowski-ALB): 11860, f/d "Staff Photo" cd, pennant, sked, rpt form in 7 months, 53 days after f/up. No rp. Bottom of the envelope was held shut by 2 Official US Post Office Seals. Love that Post Office!! (Oliver-PA).
KUWAIT: R. Kuwait, 9580, f/d folder in 86 days. No rp. (Wallace-JAPAN): 12085, same in 88 days. No rp. (Golkin-NY); same in 94 days for 1 IRC and used stamps. (Neff-IL); same in 56 days for aerogramme rpt. (Desrosiers-MA).
LAOS: National Radio of Laos, 6130, f/d personal letter from General Chaleun Vongsam-Ang in 28 days after f/up. No rp. I received a no-data "thank you" letter a month earlier for rpts of Oct '76 and May '77 xmsns which I returned to Laos with a request that the details of my rpts be verified in the letter. I was quite pleased to receive the f/d letter shortly after. VIC #100! (Willis-KY).
LATVIAN SSR: R. Moscow via Riga, 12020, f/d QSL cd in 1 month. No rp. (Gionet-NB).
LIBERIA: VOA-Monrovia, 6035, f/d cd in 9 days. No rp. (Sbordone-FL); same in 3 weeks. No rp. (Burns-IL).
ELWA, 11945, f/d cd, sked, religious info in 180 days for EE rpt and 1 IRC. (McManus-BC).
LITHUANIAN SSR: R. Vilnius, 9720, f/d "Tree/Bird" cd in 81 days. No rp. (McCullough-NY): 7180, red/white/gold cd in 63 days. No rp. (Baum-FL): 11715, f/d cd in 59 days. No rp. (Wallace-JAPAN).
LUXEMBOURG: R. Luxembourg, 6090, f/d "Coat-of-Arms" cd in 105 days. No rp. (Sbordone-FL).
MALAGASY REP: R. Nederland Relay, 11740, f/d cd in 75 days. No rp. (Wallace-JAPAN); f/d "DX Producers" cd in 60 days. No rp. (Lister-BC).
MALAYSIA: BBC Relay, 6195, no-data cd, sked in 17 days. No rp. (Fonder-TX).
MEXICO: La Voz de la America Latina, 15160, no-data SS verie letter #1 5643 received in 39 days by registered mail for Gilfer form on SS xmsn and 1 IRC. Letter explains that Senora Portillo (probably the regular verifier) is out of the country on a special mission for the President, and also sends thanks for my comments and felicitations. (Desrosiers-MA). Nice catch, Roland.
MONACO: TWR, 7105, f/d map cd, sked, paper pennant and religious tract in 70 days for 1 IRC. (Blossom-OH).
MONTSERAT: Deutsche Welle Relay, 11970, no-data cd in 4 months for rpt on GG xmsn and 1 IRC. (Rockwood-OH).
MOROCCO: VOA-Tangier, 9760, cd w/o date in 6 days. No rp. (Sandborn-TN): 15185, f/d cd in 13 days. No rp. (Wallace-JAPAN).
MOZAMBIQUE: R. Mozambique, 3210, f/d cd with GMT, but time on cd was local in 84 days for EE rpt and 3 IRC's. Postage meter mark still shows "Lorenzo Marques"! They must consider that new name to be a bunch of "Maputo"! (Ravenhorst-MN); f/d map cd w/wrong date in 58 days for tape rpt and 2 IRC's. (Gionet-NB).
NETHERLANDS: R. Nederland, 9715, f/d "Eddie Startz" cd in 14 days for 1 IRC. (Zajda-MA): 11730, f/d "DX Producers" cd in 60 days by registered mail. No rp. (Sandborn-TN); same cd in 21 days for 1 IRC. (Mrowczynski-NJ).
NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d "Harry van Gelder" cd, sked in 2 months. No rp. (McManus-BC); f/d "Wooden Towers" cd in 29 days for 1 IRC. (Zajda-MA): 9715, f/d cd in 75 days. No rp. (Wallace-JAPAN).
TWR, 11925, f/d "Studios" cd, sked, literature in 20 days for 1 IRC. (Burns-IL): 11815, same cd in 98 days. No rp. (Vincent-TX).
NEW CALEDONIA: R. Noumea-FR3, f/d map cd in 1 month for EE rpt on FF xmsn. No rp. Postage on reply = 25 F. (Valko-PA); same in 19 days for FF rpt and 1 IRC. (Vincent-TX).
NEW HEBRIDES: R. Vila, 3945, folder cd and personal letter in 3 months after several f/ups. No rp. (Barto-CT).
NEW ZEALAND: RNZ, 6105, f/d "Boiling Springs" cd, sked in 31 days for 1 IRC. (Blossom-OH): 15130, f/d cd, sked, letter and pennant in 30 days for 6 IRC's. (Pickard-IL).
NIGERIA: Voice of Nigeria, 15120, f/d green/white cd and prgm mag in 92

days. No rp. (Vincent-TX).

NBC-Jos, 5965, f/d mimeo letter in 171 days. No rp. (Willis-KY).

NBC-Sogunle, 4990, f/d form letter w/site, sked in 1 1/2 months.

(Sillings-NY).

NBC-Ibadan, 3204, f/d verie letter, sked in 136 days for 1 IRC.

(McManus-BC).

NORWAY: R. Norway, 15175, f/d scenic QSL cd in 36 days w/sked and small flag for Gilfer rpt. No rp. (Berezowski-ALB); same cd, sked in 26 days for 1 IRC. (Mrowczynski-NJ); same cd, sked, flag, map in 90 days. No rp. (Lister-BC); f/d "Jolstervatnet" cd in 60 days for 1 IRC. (Fraser-MA): 11860, same cd and personal "thank you" for comments on prgm in 20 days. No rp. (Meehan-CT): 17795, f/d "River Scene" cd, sked, flag in 26 days for 1 IRC. (Sandborn-TN).

PAPUA NEW GUINEA: NBC, 4890, f/d map cd, pennant, sticker in 26 days for 1 IRC. (Burns-IL); same cd in 40 days for cassette tape rpt and 2 IRC's. (Pineault-QUE); same cd, pod, booklet in 30 days for 1 IRC. (Pyatt-PA); same cd, Political/Monetary info in 29 days for 1 IRC. (Dawson-ALB); same cd, pennant, souvenir coin in 20 days for 1 IRC and US penny. (Sillings-NY).

PARAGUAY: R. Nacional, 6025, registered SS verie letter and 2 tourist pamphlets in 80 days for NASWA SS and Gilfer rpts on SS xmsn and 1 IRC. V/s Carlos Montaner, Chief of Studios. (Cannon-NC).

PERU: R. Atlantida, 4790, letter w/verie statement and address for rpts, pod and used Peruvian stamps in 9 months for SS rpt and used and mint stamps. (Kusalik-ONT).

PHILIPPINES: FEBC, 17810, f/d "Water Buffalo" cd and religious material in 38 days for 1 IRC. (Gionet-NB); f/d "Beach Scene" cd, mags in 1 month for 2 IRC's. (Troster-ONT).

VOA-Tinang, 15290, cd w/o date in 8 days. No rp. (Blossom-OH): VOA-Tinang, 6010/VOA-Poro, 7165, f/d cds w/site as "Poro/Tinang" although I reported and requested specific sites in 14 days. No rp. (Wala-CA). Dreamer!

POLAND: Polish Radio, 6095, f/d "Heraldic Arms" cd, rpt form, sked and letter from Lech Stanislawski in 43 days. No rp. (Sbordone-FL): 15120, same in 7 weeks for aerogramme rpt. My 32nd European VIC! (Gower-IL): 11815, same w/pin in 51 days. No rp. (Weber-OH); same w/pennant and letter from Lech in 80 days. No rp. (Meehan-CT); same w/letter from Lech in 70 days. (Poppin-CA).

PORTUGAL: R. Portugal, 6025, f/d "Calvelhe Stream" cd in 30 days for 2 IRC's. (Zajda-MA).

AWR, 9670, cd and pennant in 4 months. No rp. (Mikell-IL); cd, skeds in 24 days for 3 IRC's. (Ward-NB).

QATAR: QBS, date/freq "Ras Asheri Palace" cd in 46 days for EE rpt. No rp. (Mayer-IL).

ROMANIA: R. Bucharest, 9570, f/d "Folk Art" cd, sked, DX Club info in 97 days. No rp. (Weber-OH); same cd in 94 days. No rp. (Vincent-TX); three new "Regional Costumes & People" cds, letter and set of mint stamps in 2 to 4 months. No rp. (Oliver-PA): 9570/11940, two QSL cds in 88 days. No rp. (Pineault-QUE). Very colorful cards from here lately.

RWANDA: Deutsche Welle Relay, 15410, no-data cd in 120 days for cassette tape rpt and 1 IRC. (Pineault-QUE).

RYUKYU IS: VOA-Okinawa, 7165, "Stamps" cd w/site in 4 months for May 14, 1977 reception. I could have walked there and back faster. They returned my quarter I sent for postage. (Troster-ONT).

SARAWAK: R. Malaysia-Sarawak, 4950, f/d "Broadcasting House" cd in 15 days for 2 IRC's. Postage on reply = 45¢. (Wala-CA); same in 17 days after f/up with registered rpt and mint stamps. (Kusalik-ONT); same in 19 days for 2 IRC's. (George-TX); same in 21 days for 1 IRC. (Wallace-JAPAN).

SENEGAL: R. Senegal, 4890, f/d "Local Instrument" cd in 44 days for FF rpt and 1 IRC. (Willis-KY).

SEYCHELLES: FEBA, 11755, no-data yellow cd in 45 days for 2 IRC's. (Troster-ONT): 15325, same in 28 days for 1 IRC. (Wallace-JAPAN): 11800, same in 39 days. Just a "thank you" for the rpt. Why do they do this to me? (Valko-PA); f/d cd and letter with "25 kw" notation, sked, religious info, used stamps in 46 days for EE rpt, pod, used stamps and 1 IRC. (McCarthy-FL).

SINGAPORE: R. Singapore, 5052, f/d blue/green/red "Logo" cd in 26 days for 2 IRC's. Postage on reply = 60¢. (Wala-CA).

SOUTH AFRICA: R. RSA, 11900, f/d "Johannesburg at Night" cd in 16 days for 2 IRC's. (Zajda-MA): 9585, same w/sked and mag in 26 days for 1 IRC. (Mrowczynski-NJ); same cd and pennant in 19 days for mint stamps. (Hoffman-PA); same w/rpt forms in 19 days. No rp. (Ward-NB).

SABC, 3980, f/d "Industrial Montage" cd in 49 days. No rp. (Valko-PA): 4875, f/d cd and "RSA Calling" in 18 days for 1 IRC. (Burns-IL).

Radio 5, 3388, cd in 5 weeks. V/s P.V.D.M. Martins. (Barto-CT)

SPAIN: RTVE, 6065, f/d "Antenna" cd, sked, rpt forms in 43 days for 1 IRC. (Fraser-MA); same in 40 days. No rp. (Baum-FL): 11880, same w/pennant in 25 days. No rp. (Baum-FL).

SPANISH SAHARA: R. Sahara, 11805, f/d "Antenna" cd in 20 days from last rpt. After reading reports of RTVE verifying rpts on the old Spanish Sahara, I decided to try it myself. This rpt was sent to Madrid. (Gavaras-MN).

SRI LANKA: VOA-Colombo, 11745, f/d cd in 10 days. No rp. (Sbordone-FL): 15185, cd w/o date in 7 days. No rp. (Blossom-OH).

SWAZILAND: TWR, 9520, f/d "Antenna/Warrior" folder cd and sked in 1 month for EE rpt on GG xmsns and small brochure. (Sarrazin-CO).

SWEDEN: R. Sweden, 9695, f/d map cd in 20 days. No rp. (McKinney-PA): 6120, same w/sked in 14 days. No rp. (Ponder-TX): 6045, same w/pennant in 28 days for 2 IRC's. (Zajda-MA): 15305, f/d cd in 19 days for 1 IRC. (Fraser-MA).

SWITZERLAND: SBC, 6135, f/d "SBC Building" cd in 16 days for 2 IRC's. (Zajda-MA): 9725, same w/sked in 2 weeks. No rp. (Stanziale-CT); in 53 days. No rp. (Berezowski-ALB): 15140, in 59 days for 1 IRC. (Fraser-MA).

Red Cross Broadcasting Svc, 7210, f/d "Globe/Mike" cd in 14 days for 1 IRC. (Pyatt-PA).

TAHITI: R. Tahiti, 15170, f/d "Nudie Cutie" cd in 30 days for mint stamps. (Pyatt-PA): 11825, same cd, sked in 24 days for 1 IRC. (Sbordone-FL).

TANZANIA: R. Tanzania, 4785, "Sauti ya Tanzania" (Voice of Tanzania) cd w/o time in 40 days for 3 IRC's. Power given as 50 kw. (Gavaras-MN): 15435, f/d "Drum/Telephone" cd in 90 days for 2 IRC's. At last! (Pyatt-PA).

TUNESIA: RTV Tunisienne, 15225, f/d "Terrasse du Palais d'Orient" cd in 2 months. No rp. (Gower-IL).

TURKEY: Voice of Turkey, 9515, f/d "Mosque" cd, sked, pennant and tourist info in 65 days for mint stamps. (Hoffman-PA); same in 22 days for 2 IRC's. (Mrowczynski-NJ); same with "Shopping en Turquie" in 56 days for 1 IRC. (Burns-IL); same cd in 56 days. No rp. (Valko-PA): 7175/11880, f/d "Costume" cd in 28 and 65 days. No rp. (Ponder-TX).

TO Charles E. Hoffman

This QSL card verifies that you have been listening to KTWR.

DATE Sept 29, 1977 TIME 1105-1130 GMT

FREQUENCY 9640 ON 31 METERS

KTWR (Shortwave) 2 Harris SW-100 100 KW Transmitters
2 TCI 4-band Curtain Antennas

KTWG (Medium Wave)

TRANS WORLD RADIO

Thank you for your reception
our programs, and we look f

P. O. BOX 3518, AGANA, GUAM 96910

KTWR SHORTWAVE

KTWG MEDIUM WAVE



INTERNATIONAL GOSPEL BROADCASTING

UKRAINIAN SSR: R. Kiev, 15180, f/d cd, rpt forms, sked and contest info in 43 days. No rp. (Berezowski-ALB).

R. Moscow via Vinnitsa, 17885, f/d CMEA cd w/site in 5 1/2 weeks. No rp. (Kusalik-ONT). Via Kiev, 7160, cd in 1 month. (Barto-CT).

UNITED STATES: VOA-Greenville, 15250, f/d cd in 8 days. No rp. (Sandborn-TN): 5995/6020, cd in 3 weeks. No rp. (Miller-WV).

VOA-Dixon, 17820, cd in 10 days. No rp. (Sandborn-TN):

11740, f/d cd in 12 days for 13¢ stamp which was returned. (Sillings-NY):
 15250, f/d cd in 23 days for a 13¢ stamp. (Reed-OH).
 AFRTS, 6030, cd in 10 days. No rp. (Baum-FL).
 WWV, 15000, cd in 13 days for a 13¢ stamp which was returned.

(Reed-OH).

KGEI, 9555, f/d "San Francisco" cd, sked, questionnaire and religious material in 47 days for a 13¢ stamp. I heard KGEI when I was in Alaska on vacation. (Neff-IL).

WYFR, 6155, f/d orange/white cd in 17 days. No rp. Skeds, info on the Family Radio Gospel and letter inviting me to be a monitor came separately the same day. (Golkin-NY): 17845, same in 13 days. (Baum-FL).

UPPER VOLTA: RTV Voltaique, 4815, f/d form letter, sked in 30 days for EE/

FF Gilfer rpt, pcd and 2 IRC's. (Hoffman-PA). Nice, Charles.

URUGUAY: R. El Espectador, 11835, white cd in 5 weeks for mint stamps. (Abraham-MI).

UZBEK SSR: R. Tashkent, 11730, f/d "Statue of Lenin" cd, pcds, sked in 32 days for pcd. No rp. (Pineault-QUE).

VATICAN: Vatican Radio, 9605, f/d "Statue" cd in 77 days. No rp. (McKinney-PA): 11800, f/d "Ariel" cd in 17 days for 1 IRC. (Sandborn-TN).

VENEZUELA: R. Rumbos, 4970, f/d "Bridge" cd in 175 days for SS rpt. No rp. They will QSL EE rpt. (Willis-KY).

R. Yracacy, f/d cd in 3 months after f/up for baseball cards. No rp. (Sillings-NY).

La Voz del Tigre, 3255, SS verie letter and large silver pennant in 50 days for SS Gilfer rpt on SS xmsn. V/s Garciela Cedeño. (Cannon-NC).

R. Angostura, 6120, f/d letter and pennant in 60 days for SS rpt and 1 IRC. (Pyatt-PA).

R. Barquisimeto, 4990, f/d cd in 18 days for 1 IRC. (Vincent-TX); cd in 54 days for EE/SS rpt and 2 IRC's. (Weber-OH).

R. Universo, 4880, cd in 35 days for EE/SS rpt and 2 IRC's. (Weber-OH).

Ecos del Torbes, 4980, SS verie letter w/"Memorandum" in large letters at the top and "30 Years" decal in 3 months for SS rpt. (Sillings-NY); SS letter w/only date in 6 months for EE rpt and 1 IRC. (McManus-BC).

On November 17 I received a letter from Ian McFarland of Radio Canada International regarding the comment on verifications from the Northern Svc of CBC, i.e., "Who said they stopped issuing QSL cards?". Ian writes, "Since I was the one who spread the news that the Northern Svc was no longer QSLing reception reports - I've mentioned this a number of times on the DX Digest program over the past few months - I thought I should drop you a line and answer the question.

Some months ago I was told by the Northern Svc that they were no longer QSLing reception reports. However, since that time they changed their minds and started QSLing again. Last Thursday, when I read that item in FRENDX, I consulted the Northern Svc again and found that they were indeed once more QSLing reports.

Now despite the fact that they resumed QSLing temporarily, the CBC Northern Svc, as of November 9, 1977, has most definitely stopped QSLing reception reports, permanently, and I got this information directly from them last Thursday. Perhaps you could include this information in your QSL Report for the December issue.

And while we're on the subject of QSLs, I'd appreciate it if, at the same time, you could mention that RCI doesn't QSL any reception reports apart from those which are submitted on RCI's do-it-yourself QSL card. This card is available only once a year and is sent out to all those who are on our mailing list at the time our Summer/Fall program Schedule is sent out, which is usually in April. Anyone who isn't on the mailing list at that time would have to wait until the following year to receive the card. This QSL policy has been in effect for several years now, but it still isn't understood by quite a lot of people."

Thanks for the letter, Ian. We appreciate the information even though it isn't what we like to read. I would imagine, though, that the reports sent to RCI other than those for the once-a-year card are from beginning DXers who aren't aware of the policy. That's difficult to avoid as new DXers/SWLs appear every month.

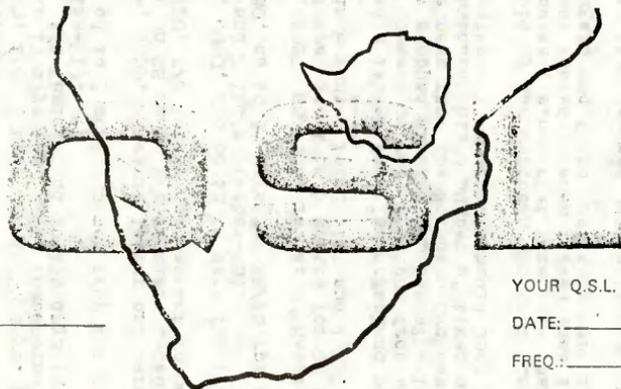
(Listen to Ian McFarland and Glenn Hauser on RCI's "DX Digest" every Sunday) ((and don't forget Polish Radio))!

Deadline for January issue; December 15.

Bill



RHODESIA BROADCASTING CORPORATION



TO:

NAME:

ADDRESS:

YOUR Q.S.L. CONFIRMED:

DATE: _____

FREQ: _____

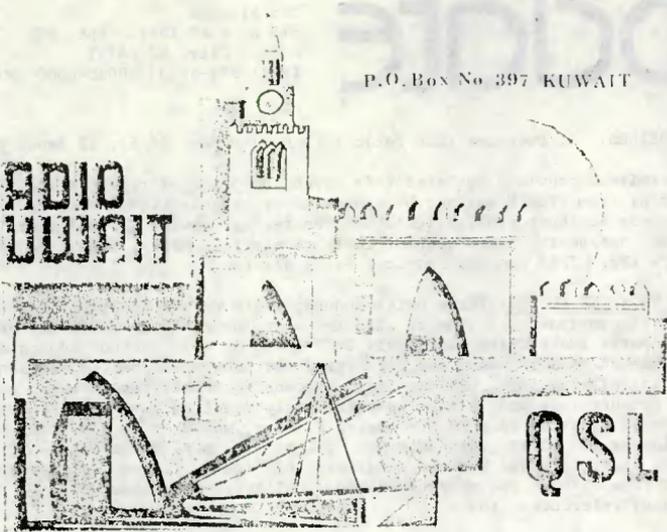
SERVICE: _____

SIGNED: Bob Brown

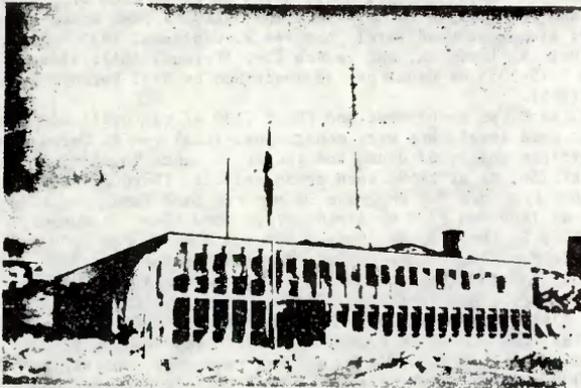


P.O. Box No 397 KUWAIT

RADIO
KUWAIT



QSL



Radio Greenland

update

December 1977 Number 8

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111
(816) 931-5943 0030-0500 GMT

UPCOMING DEADLINES: 12 December (Mid-Dec); 20 December (Jan 1978); 12 January (Mid-Jan)

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A BRIEF WORD FROM THE EDITOR: Three quick announcements before we start. First, absent extraordinary circumstances, beginning with the next issue I will no longer print UnID loggings, or reports identifying previously UnID stations which do not indicate that the reporter has personally heard and identified the previously UnIDed station. I have no objection to UnID loggings, but the limited space in UPDATE forces me to adopt some conservation measures. Second, please note the early deadline for the January 1978 issue. I will be on vacation from 23 December-2 January, and want to get the "Gala Holiday Issue" (If Playboy can do it, why can't we . . . hi) in to Al Mayer before I go. Third, because of the short interval between deadlines this month, I have included several items omitted from Mid-Nov due to lack of space. Although the items are new, they are starred for easy reference. tba

- **ANTARCTICA** AFAN, 6012, QSL card in for February reception; front has stn emblem w/ penguins, musical notes, stn freqs and name. Verie statement: "Welcome to the club: You are one of the few individuals who have heard the American forces radio stn in Antarctica . . ." V/S: Paul W. McTuillan (sp?? on last name). Postmark is US Navy, Operation Deep Freeze. One of my best QSLs. (Pitt McNeil, DC) *** admittedly this is a little out of UPDATE's jurisdiction, but it's such a goodie that I couldn't resist using it anyway. Apologies to Bill Oliver. tba
- BELIZE** R. Belize, 3282.5, in EG at 0335-0345 w/ M interviewing W about lack of funds for schools and libraries, all in accented EG. Is //with 834 MW. (Neal Perdue, ALA)
- BRAZIL** R. Itatiaia, 4805, in PT at 2215-2230+ w/ clear IDs that seem to confirm WRTH spelling (as above) rather than "Itatiata" in TBS. Pronunciation seems to be "Eye-tah-ah-ah." Good level 2215-2220 then down into QRM. Apparently two anners w/ definite latin mx. (Perdue, ALA) +++ Rdiff. Macapa, 4915, noted in PT at 0200 w/ M anncr, accordian tunes, latin mx and IDs. Best ever here. (Perdue, ALA); I have noted them here on several nights lately, always at good level. tba +++ R. Capixaba, 4935, in PT, still good after 2300 w/ usual px, latin mx, and reverb IDs. (Perdue, ALA); also noted here after many tries from 2315-2335 w/ usual px, as described by Neal Perdue; reverb IDs make this a dead giveaway (tba).
- CAMEROUNS** R. Yaounde, 4850, in both verns and FR at 2130 w/ virtually non-stop px of highlife and disco mx; good level, but very monotonous. (tba) +++ R. Garoua, 5010, in lang at 2100-2200*; African chants w/ drums and flutes, M anncr in AR-like lang, and some West African mx. ID at 2156, NA at 2159, then drums and off. (Perdue, ALA)
- CANADA** Glenn Hauser now provides two separate DX reports each Sunday on RCI; one is in the the transmissions at 1800 and 2130 to Africa, 1900 (new time) to Europe; 0100 and 0300 to Nam. The other is in the 1900 to Africa, 2000 to Europe, and 0200 and 0400 to Nam. RCI's freq schedule for these transmissions (subject to change): 1800 and 1900 to Africa on 17820, 15325, 1900 to Europe on 15325, 11865, and 5995 (via Daventry). 2000 to Europe on 17820, 15325, 11865, Daventry 5995. 2130 to Africa: 17820, 15325, 15150 NF, 11945. 0100 to SAM on 11940, to Nam on 9535. Reet to N & CAM: 0200 on 9535 and 6185 NF; 0300 on 9605, 9535, 6185, 5960. 0400 on 9535 and 5960. (Glenn Hauser, TENN)
- CHILE** Voice of Chile, 11705, at 0200 w/ EG ID and mx; requested reports, (Ruth Vollrath, MO); also noted on 15130 at 0121 in EG w/ talk by W on Chile's progress under Pinochet government. (Jack Jones, MISS)
- COLOMBIA** R. Guatapuri, 4815, in SP at 1029 w/ tc, ID and talks. Good level. (Jones, MISS) +++ LV de los Centauros, 5955, TENTATIVELY noted on 5955 at 0416 in SP; very poor level and high QRM made for difficult copy. Mark this one very tentative. (tba)
- COOK ISLANDS** In TDXN 76, Bob Padula in Melbourne, Australia, notes that Raratonga has returned to 5045 after using 9695 for a while. (They have also used 3265 in the recent past. tba) Heard in Australia from 0700-0832* w/ Radio Australia nx from 0800-0810. (Padula, AUSTRALIA, via TDXN 76) *** would make a fine Christmas present!!! tba

- COSTA RICA TIFC, 5055, TENTATIVELY noted at 0200; sounded like them but QRN was so bad I couldn't be positive. (tba)
- *DOMINICAN REPUBLIC R. Clarin resumed its EG programming on 11700 on 7 nov; px intended for Eur are b'cast at 2130-2200; b'cast for NAM now at 2300-2400. Rudy Espinal said on first show that lightning had caused the three month silence; it damaged both the transmitter and antenna. Power has been 30 kW w/ intention to increase it to 50kW as rapidly as possible. Intent is to make these transmissions a permanent feature on the SW bands. (Hauser, TENN)
- ECUADOR R. Tropical, 3340, in SP at 0200 w/ old US R&R and latin mx; ID by M. Name is apparently now officially R. Tropical, not Ondas del Mar. (Perdue, ALA) +++ R. Centenela del Sur, 4890, in SP at 0335* w/ clear SP ID, freqs, anthem and off. (tba) +++ Rdiff Nacional, 4940, in SP at 0328 w/ ID by M, talk and slow Ecuadorian mx. (Perdue, ALA)
- GALAPAGOS IS LV de Galapagos, 4810, in SP from 0130-0359*, noted several nights w/ wide variety of mx, M anncr, frequent IDs and off with Ecuadorian Nat. Anthem (long version). (Perdue, ALA)
- GHANA R. Ghana, 6130, in EG at 2150 w/ long highlight selections. Good level. (tba)
- GUATEMALA R. Tesulutlan, 4835, in SP at 0140-0155; yippy mx and repetitious talks which could have been part of a SP lang lesson. ID at 0149. Best ever here. +++ R. Nac. Guatemala, 6180, w/ SP ID at 0358; lots of rrrrrrrrrolled Rs. Then back to live sports event, probably football. (both from tba)
- HONDURAS R. Lux, 4890v, in SP from 2350-0044*; M anncr, often very excited, Cent. Am. mx and old US rock and pops. Two IDs at close. Open carrier to 0152. Good level. (Perdue, ALA)
- LEBANON According to BBCMS, an announcement at 1800 on 7 November on Beirut Radio's domestic service in AR stated that transmission on 5980 would end at 1805. From 1830, px would be b'cast to WAfr on 11755. From 2300-0030, to SAM on same freq. To NAM on 9680 from 0130-0300. Domestic Ser in Ar is b'cast on 9550 from 1045-1600, and 5980 from 0355-0730 and 1630-2330. (BBCMS)
- LIBYA PLBS, 6100, in AR at 2110, 20 November w/ chants; then into positively apoplectic tirade about Sadat's visit to Israel. Didn't need an ID to figure out this one; it's the closest thing to distilled hatred available on SW today. (tba)
- MADAGASCAR R. Madagasikara noted at *0258 w/ short IS, asiatic mx, and talk by person of unidentifiable sex. Totally gone by 0305 under UTE QRM. (Jim Fedor, CONN)*** no freq given; presume it was 3290. tba
- MALDIVES R. Maldives TENTATIVELY noted on 8 November. Heard carrier at 1138 during check of freq. Stayed on it and bits and pieces of mx faded in. Mx was of oriental or arabic type, but it wasn't chanting. Gone within 20 minutes; SIO about 222. (Jim Fedor, CONN)
- *** Incredible, Jim!!! So far as I know, this is the only report, however tentative, of the Maldives test transmission reported several issues ago. Although the test period is over, if my computations are correct, they may still be there. KEEP CHECKING, ALL. Looks to me like the catch of the season, but I sure wish it was definite. FREQ is 4754. Sorry. TBA
- MEXICO R. Huayacocotla, 2390, in SP at 0100-0200+: still good most nights w/ M&W anncrs, native mx, and IDs. (Perdue, ALA)
- NEPAL R. Nepal, 3425, noted from 1145, 14 November, w/ outstanding signal. Violin/piano IS to *1150. Nepali ID by M and into local string and vocal mx. Fading by 1210 but still readable. Have a good tape of this. (John Herkimer, NY)
- PARAGUAY R. Nac. Paraguay, 9735, in SP at 0200*. W armer frequently mentioned "de la patria" and gave freqs as 920 MW and 9735. S/on time described as "seis de la mañana." Very strong signals, so should be easily audible. (Mark Bixby, Cal., HTC 142)
- PERU R. Chinchaycocha, 4860, in SP at 0441; usual px of Andean mx w/ clear ID at 0445. (tba) +++ R. Andina, 4995, in SP at 0405 w/ usual px of Andean mx. (Perdue, ALA)
- SIERRA LEONE SLBS, Freetown, on 3316 in EG at 2315-2330+; W w/ full SLBS ID; piano selections; good in QRN. (Perdue, ALA)
- SOUTH AFRICA RSA, 4835, in EG 2020-2100 w/ classical mx. ID at 2100, and nx. Gone at 2120 retune. Don't think this freq is reported very often (???). (Perdue, ALA)
- SPAIN RNE, 11730, w/ SP political commentary and local mx at 0140. (Ruth Vollrath, MO)
- SUDAN Omdurman, 5039-, noted with non-stop dirge like chanting 0405-0420. Good level. (tba)
- SURINAM SRS has returned to 4780 after a brief trial on 4850. Noted in ALA from 2330-0300+ in lang w/ usual px. (Perdue, ALA); Also noted here in possible DT at 0128 w/ R&R mx by the BeeGees, mentions of Paramaribo and ID. (tba)
- SWAZILAND SR, 4980, noted several nights w/ R. Truro px after 0400; Indian mx, and talks in EG and verns. Usually very poor. (tba)
- *UNIDENTIFIED AT 1300 on 5025, M chanting in AR or similar lang; DJ playing marches. Help! (Charles George, TEX)
- VENEZUELA R. Mara, 3275, noted 2335-0000+, 13 November in ARABIC!!! Listened to AR px for one half hour in total bewilderment at to who was here. At 0005, M in SP announced it was "El Mundo Arabic" px; then ID in SP. A mind boggling experience. (Perdue, ALA)** Agreed.

Although it will have passed by the time you get this, Happy Thanksgiving and 73s, Tom

log report section



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1601-4900

DECEMBER 1977

Don't know if the flu has gotten you all down or if a contagious receiver plague has struck the land, putting all rigs out of commission. . . Well, what we don't have in quantity this month, we make up with some good quality logs. Motto for this month is "WHO NEEDS A FREQUENCY ASSIGNMENT???" as will become obvious when you read on. . .

* * * * *
* 4775 AFGHANISTAN RA: 1321-1343 w/Urdu tlks & lots of sub- *
* continental mx; mention of Afghanistan, F(Alvi 10/6) *
* 4892 PERU R San Juan de Tarma: 1025 w/Peruvian tunes; 1028 *
* M w/TC, ID "Radio San Juan. . ." Good signals 11/6 dur- *
* ing all-night DX-Marathon in D.C.(Robinson/McNeil) *
* * * * *

- 2200 NICARAGUA La Lider: The only 2 MHz signal above the noise lvl on 10/25 with "La hora Lider" TC interrupting mx--no doubt deliberately to thwart would-be pirates (Hauser)
- 2340 UNID: (T) Radio Nueva Esparta 0204-0211 in SP w/vocals, soft inst mx, and a very possible ID 0208, weak lvl (Barto 11/15) UNID w/Columbian type mx at poor lvl from 1035-1040; Harmonic?? (Abraham 10/19)
- 2360 GUATEMALA R Maya: 0246 in SP, ID, tlk, guitar and vocals (Jones 10/27)
- 2390 MEXICO R Huayacocotla: 0030-0200 SP, in good shape many nights w/live mx shows, lcl mx heavy on fiddles and guitars, IDs by M&W(Perdue) 0205*, W with amst, return at "4 en la tarde" M w/ID, freq, followed by guitar-vocal until 0208(Jones 10/26) 0123-0131 stn w/lively Mexican type mx, no ID hrd(Barto 11/15)
- 2390 GUATEMALA LV de Atitlan: 0115-0200 SP, vocals, tlks, live audience, IDs (Thompson 10/16)
- 2400 BRAZIL R Educ de Sao Jose: 0100-0200 in PT w/ID, vocals, tlks; signal peaked at intervals to armchair copy on 11/15 (Barto)Also noted here, with next item--DR
- 2420 UNID: Latin hrd fm 0200-0211(Barto 11/15) Listed R Sao Carlos in TBS but seldom rptd; 250 watts, noted here same night as R Educ de Sao Jose--DR
- 2480 UNID: Latin hrd from 0200-0211(Barto 11/15)
- 2745 N. KOREA Sinuju: 1322 in KR w/M in tlks, Korean mx (Bryan 10/11)
- 2960 USA MDW-Augusta GA: Strong 0911 w/soul mx, 2x1480(Hauser) Listed TBS Changchun China on same frequency...
- 3205 BRAZIL R Riberao Preto: 2330 PT w/IDs, ads, ments of Sao Paulo(Bishop 10/27)
- 3205 SULAWESI RRI-Corontalo: (T) 1146 w/M in lang tlks, weak in noise(Blaize 10/20)
- 3215 SULAWESI RRI-Menado: 1148 in lang tlks by M(Blaize 10/20) McNeil in TDXN-76 rpts Menado here 1130, so that seems to be them, presumably //5987--DR
- 3220 PAPUA NEW GUINEA R Morobe: 1053-1120 Pidgin tlks, native mx, Top-40 pops, UTE QRM (Cannon 10/14)
- 3222 TOGO Lama-Kara: 2215-2230* in FR, African mx and tlks (Cannon 10/7)
- 3225 VENEZUELA R Occidente: 1033 SP, ID, calls, freqs, mx--probably 1030s/on; terrible ute QRM (Jones 1026)
- 3240 PERU R America: 1045 SP, M ancr, Peruvian mx, bad HET (Perdue 10/26) 0322 SP, M w/tlk, LA mx and chorus, no ID hrd (Osterman 10/18)
- 3255 VENEZUELA LV del Tigre: 0955s/on SP, NA, chorus, ID and calls, freqs, and into TV mx (Jones 10/8) 0150 SP, baseball game, ads(Tannerwald 10/16)
- 3260 NIGER Niamey: 2250-2300 FR, tlk by M & W, good signal and best African on band this day, ID 2300 //5020 (Mayer 10/11)
- 3260 PAPUA NEW GUINEA R Madang: 1115-1130 Pidgin, newscast, sports review in Pidgin, many IDs, EG TCs and U.S. mx (Cannon 10/14)
- 3260 ECUADOR LV del Rio Carrizal: 0322 w/pop and lcl mx(Lowe from TDXN-76)
- 3275 VENEZUELA R Mara: 0115 SP, LA mx, ID, and short tlk by M (Taylor 11/1)
- 3280 GUYANA GBS: 0150-0210 in EG, light mx, tlks, rx w/heavy UTE QRM(Cannon) 0750 EG, guitar IS, ID by M but wiped out by UTE soon after(Taylor 10/30) 0920 w/GBS ID, very potent UTE QRM(Jones)

- 3280 ECUADOR LV del Iapo: 1029 in Indian lang w/messages, ID, some mx(Jones 10/26)
1045 M in tlks, ballads (Abraham 10/19)
- 3285 BELIZE RB: 0216 EG, w/commercials, TC ". . .16½ minutes after 8"(Jones 10/26)
0435 w/Rock mx, M DJ (Blaise)
- 3287 BRAZIL R Olinda: 2250 PT, M w/ID and fast tlks (Mayer 10/11)
- 3300 GUATEMALA TGNA: 1127 in lang and SP, ID, religious px(Poppin 9/30) 0300-0425
period w/religious programming, Back to the Bible, ID's(8 rpters)
- 3315 ECUADOR R Pastaza: 1055-1100 SP, organ mx selections to 1100, then anmts and
ID by M (Perdue 10/26)
- 3316 SIERRA LEONE SLBS: 2315-2330 EG, W w/full "Sierra Leone Bdcstg Svc"ID, piano
selections, religious px 2320 on a Sunday (Perdue 11/6) 2344 w/mx (Leffler)
- 3320 UNID: 1145 in SP tlk, LA mx on 10/20--the Peruvian?(Blaise) Listed possibly
inactive--with a 5L3 you shouldn't be off mark, but could you be hearing 3315?
- 3322 PAPUA NEW GUINEA R Bougainville: 1040 Pidgin, M w/mx, organ and guitar mx and
lengthy tlk (Hoffman 10/18)
- 3325 GUATEMALA R Maya: 1100 Indian tlk, ID (Jones 10/7) 0130-0155 SP, IDs, tlks,
vocals-solos, chorus, message from the Bible (Thompson 10/26)
- 3325 KALIMANTAN RRI-Palangkaraya: Fair to good signals w/HET, dual 5205; at end
of mx, into tlks, then nx relay of horrendous quality(Laves via TDXN-76)
- 3326 SENEGAL Ziguinchor: 2310-2330 FR, a play w/M&W and lcl mx (Mayer 10/10)
- 3350 GHANA GBC: 2230-2250 in Vernacular, soft vocal mx, tlks, heavy UTE QRI: to
2305* (Cannon)
- 3354.7 ANGOLA R Nacional: 0430 PT tlk and mx //3375, 4820, 7245, 9535 at excellent
lvl!(Sherman 10/27) The 3l meter frequency has been excellent lately--DR
- 3360 GUATEMALA LV de Nahuala: 1142 in SP, marimba mx, tlks, (Blaise 10/20)
- 3366 GHANA GBC: 2200-2220 EG, mx, tlks and lcl mx to 2307* (Cannon 10/11)
- 3375 ANGOLA R Nacional: 0430 in PT tlk, mx //four others (Sherman 10/27)
- 3380 ECUADOR R Iris: 0215-0230 SP, Ecuadorian mx, TCs, variety px (Ponder 10/3)
- 3380 GUATEMALA R Chortis: 0030-0100 SP, tlks, IDs, LA mx and vocals with guitar
(Thompson) 0306 w/ID, LA pops (Jones 10/19) 1132 w/two IDs mentioned "musica
de marimba" and "Santa Maria" (Poppin 9/30)
- 3385 PAPUA NEW GUINEA R East New Britain: 1130 Pidgin, country mx, EG TC, tlk
and seeming gospel songs by chorus(Jones 11/6)
- 3385T BRAZIL R Congonhas: Presumed but no ID 2245-2305, M w/non-stop sportscast
(Abraham 10/11)
- 3388 SOUTH AFRICA Radio 5: 0325 EG, lotsa soul and rock mx, IDs, TC (Godfrey 10/20)
Reported on 3320 lately, but this freq covered by UTE here--DR
- 3390 ECUADOR R Zaracay: 1051 SP, Ecuadorian mx, TCs, many IDs(Jones 10/18) 0336-
0458* w/SP anmts, LA mx, ads; off abruptly 0458 (Cohen, Bogel, Blaise)
- 3395 VENEZUELA R Universidad: 0210-0222 w/LA mx, ads, IDs (Poppin, Tannerwald)
- 3396 RHODESIA RBC: 0400-0430 EG, ID, TC, orchestral mx, vocals, ads, guitar mx to
nx 0400 (Thompson 10/22)
- 3396 NIGERIA NBC-Kaduna: 2255-2306* in EG/Vernacular, tlks, lcl mx, ID and nx 2300
(Cannon)
- 3400 CHINA PLA: 1152 in CH speech by w //3200(Jones 11/5)
- 3425 NEPAL RN: 1155-1222 in Nepali, lcl mx, M in tlk, hrd "Nepal"(Osterman 11/5)
1230-1245 w/singing, regular at this time now (Mayer) 1440-1510, mx, 1450 nx
in EG, commentary(Wallace-JAPAN)
- 3414 SUMATRA RRI-Medan: 1423 IN tenor vocal singing, IN mx(Bryan 10/11)
- 3465 BOLIVIA R San Miguel: 2350 w/nice group song, straight into another one; W in
SP w/short tlk; 2358 W w/TC, ID, and back to mx; measured right on this freq,
faded by 0025(McNeil 10/27 from TDXN-76) Some nights equalling strong 90m stns-DR
- 3560 N KOREA Pyongyang: 1300 EG, IS and ID, M&W in nx (Bryan 10/25)
- 3810 ECUADOR HD210A: Time station 0830-0900 w/pips, ID by M (Gallagher 10/16)
- 3876 UNID: Pirate stn 0630-0700 w/acid rock mx, no anmts, excellent lvl(Barto 11/12)
Often rptd--is probably a hobby pirate, NE area--DR
- 3885T CAPE VERDE IS RCCV: Station hrd 2315 w/EL mx, occasional pop selection, TC
2323 sounded like GMT-1(Bishop 10/27)
- 3910 JAPAN FEA: 1400 EG, Mx, ID, American Entertainment Network nx(Godfrey 10/27)
1432 w/mx, "I Love Paris" (Bryan)
- 3918 KOREA KBS: 1330 in KR, W in tlk, some mx (Ch. 1 px) (Godfrey 10/26)
- 3925 JAPAN NSB: 1401 JP, W w/ID, mx (1st program) (Godfrey 10/26)
- 3975 GT BRITAIN BBC: 0447 in what sounds like RS tlk by M(Blaise 10/16)
- 3980 SOUTH AFRICA Springbok Radio: 0350-0400 AK/EG, ID and nx bulletin, Lexington
cigarette commercials, rock mx, "Six minutes to six on Springbok Radio"(Poppin)
- 3985 SWITZERLAND SBC: 2220 in FR, drama px, ID 2244; bdcst to Africa and s/off
2245(Pineault 10/7) 2245 in GK ID, into symphony mx (Mayer 10/16)
- 3990 LIBERIA VOA-Monrovia: 0300 EG w/Music Time(Zilmer 10/25) Nice to have you Bob...

- 4040 ASIATIC SSR Vladivostok: 1320 in RS w/folk mx, M ancr (Bryan 10/25)
- 4055 UNID: 1026-1100 RS, Local TC 1030 for "17 chasov 30 minoot" or 1730 hours; followed by RS vocals; Moscow TC 1100 (Poppin) Per TBS this listed Kalinin, Moscow Oblast--Soviet stns are not my forte--DR
- 4060 PAKISTAN Rawalpindi: Listed via Islamabad, noted here 0100 in presumed Urdu or other lang tlks; chants 0120 under bad UTE; M w/ID 0127 with "Radio Pakistan..." ID and mention of Islamabad as well; Good signals!(Robinson 11/4)
- 4120 N KOREA V of Rev Party: 1155 w/mx, 7 in tlk, good signals (Abraham)
- 4395 ASIATIC SSR Yakutsk: 1455 RS, 1500 mx (Bryan 10/11)
- 4460 CHINA R Peking: 1329-1332 CH, M&W in tlks, crowds cheering--sounds like rally (Bryan 10/25)
- 4485 ASIATIC SSR Petropavlovsk: 0645-0758 RS, TC 0645 as "Kamchatka time 18 chasov 45 minoot" and into big band mx; finally my first positive ID of this freq (Poppin 10/20)
- 4500 AUSTRALIA WIG: Noted pips in passing, 0957 w/voice ID and CW(Hermann)
- 4610 ASIATIC SSR Khabarovsk: 1244-1300 with lcl TC 22 chasov 44 minoot"; 1251 vocal--again, finally a positive ID on this freq (Poppin 10/25) Maybe, but is the Xatr site in Khabarovsk?--DR
- 4696 BOLIVIA R Riberalta: 0420 SP, clear mention of "Riberalta" by M, excellent audio quality with slight static (Sherman 10/27)
- 4719 SULAWESI RRI Ujung Pandang: 1100-1300* II, tlks by M&W, lots of mx, IS before 1200(Luce 10/8) 1300* however 4986 hrd past 1500 (Sherman 10/14) 1153(Blaize)
- 4725 BURMA BBS: 1156-1203 in lang, w in tlks and singing w/soft songs(Csterman 11/6) 1342 in Burmese, M in mx, QRU: (Bryan)
- 4750 UNID: 0331 SP, folk songs, quick tempo M vocalist; M mentioned "Radio Emisora..." then abrupt s/off 0349 (Poppin 10/12)
- 4750 CAMEROON R Bertoua: First noted 10/27 and daily since, 2010-2030*, light African mx, some pops, FR ancrs, not dual 4850 or 4972. Hrd "Station Nationale de Cameroun at s/off, with mention of something like Bertoua(Niceal via TDXM-76) This bears watching--DR
- 4755 BRAZIL Rdf Maranhao: 0715 PT, M&W w/comedy px (Hoffman)
- 4755 COLOMBIA Em Nuevo Mundo: 0100 SP, ID, ads, TCs (Leffler 10/16) 0135 (Alexander) 0455 M w/ID and Colombian mx(Bryan 10/16)
- 4758 VIETNAM UNID: Stn here to 1430 s/off, located in Vietnam but is neither Viet Bac or Tay Bac (Willis-AUS)
- 4765 SUMATRA RRI Medan: 1300 II, IS several times, ID (Luce 10/12)
- 4765 UNID: 0353-0401 SP, "Musica de Guyana, vocals; at 0401 music stopped abruptly (Poppin 10/29)
- 4770 LIBERIA ELWA: 2230-2300* EG, w/ID, rel. px, ID, nx by M and s/off 2300(Onken) 2246 w/ID and rel. px (Jones)
- 4770 VENEZUELA R Bolivar: 0102-0427 SP, tlks, ads and vocals, IDs and LA mx(Poppin, Thompson, Leffler, Bogel)
- 4775 BRAZIL R Cultura: 0025 w/sports cast, clear ID 0043 as "Radio Cultura"(Field)
- 4775.5 BRAZIL A Voz do Oeste: 0300* brief ID w/power, carrier cut immediately, Fair with HET (Sherman 11/8)
- 4780 SURINAM SRS: 0155 in possible DT with U.S. pops, ID and tlk(Taylor 11/1) 0330 w/pop mx(Grenier 11/2) 0340-0415 DT/EG pops and dedications by M ancr, 0410 EG ID, stn address--(ancr said QSL's are on the way) (Onken 10/15, Sandborn 10/16) 0950 in tlk, pops, good sigs(Jones 10/13) SEE 4850 for more!!!
- 4780 KARELO-FINNISH SSR Petrozavodsk: 0430-0500 RS, M&W in tlk re foreign relations, Moscow TC 0440, mx px; observed in // w/5065 (weaker)(Roberts 10/10) 1400 RS stn w/mx and armts--could be Petrozavodsk but seemed little bit too early for this to fade in (Willis) 0400 w/nx by M or W, then px of classical/operatic mx; good signals of late(Bishop) And how...one night almost 59 here--DR
- 4780 VENEZUELA LV de Carabobo: 0245 SP, LA mx, ID, many mentions of Valencia(Godfrey)
- 4781 DJIBOUTI: Hrd daily around 1415 w/lcl mx and armts in Afar, many political tlks (Willis-AUS)
- 4785 AZERBAIJAN SSR Baku: 2138-2200 RS, classical mx, relay RM (Cannon 10/9)
- 4785 BRAZIL R Ribamar: 2315-30 M&W in tlk, 2332 recorded ID, ads to 2340, ID (Abraham) 0020 mx px w/good sigs; frequent references to "Ribamar and complete ID 0102(Field)
- 4787 DOM REP R Lorte: Surprise, surprise noted 11/18 w/M in political speech 2320; "Actividades de nuestro partido..." They were absent fm 4806v this night and they almost had me fooled for a new stn (Robinson 11/13)
- 4790 PERU R Atlantida: 2330 SP, M in tlks, ID, armts and pop mx(Cohen 10/27) 2345 w/Andean mx, 2 clear IDs (Perdue 10/28) 0456-0500 w/ID "Transmite R Atlantida" and more mx (Jones, Blaize, Bryan)
- 4795 ECUADOR LV de los Caras: 0330 SP, ID, MOR Latin tunes and vocals (Jones)
- 4799 ECUADOR R Popular: Romantic mx, TCs, Andes string mx, ID/TC0530(Roberts) They have been on 4801 recently--DR

- 4800 VENEZUELA R Iara: 0034 SP, LA vocals, ID (Yajko 10/30) 0105 w/TC, musica Venezolana (Leffler 10/16)
- 4805 BRASIL Rdfid do Amazonas: 0210 PT, M w/soccer cast (Bryan 10/13)
- 4807 DOM REP R Norte: 2225-2310 w/many mentions of Dom Rep, H&W in commentary w/march mx throughout (Abraham 10/20) 0301 w/rx, ID (Jones 10/16)
- 4810 ECUADOR LV de Galapagos: 0330 w/TC "La hora en Galapagos..."; theme from Godfather; R Popular not on (Jones 10/7) 0319-0342 SP, "Musica romantica..." (McCarthy 10/19) 0400-0406* w/rx, ID and NA to s/off (Cannon 10/9)
- 4810 SOUTH AFRICA Springbok Radio: 2100-2115 EG, tlks, commercials (Cannon) 0332-0433 w/AK and EG, ads for Benson & Hedges, Lion Lager, birthday wishes (Egzel, Poppin, Bohlke 11/7)
- 4815 COLOMBIA R Guatapuri: 1029 SP, TC, ID and tlk (Jones 11/4)
- 4820 ECUADOR R Pax y Bien: *0927 with ID, NA, pgm preview, TC and into Ecuadorian mx (Jones 10/20)
- 4820 ANGOLA R Nacional: 0445 PT tlk, mx //3354.7, 3375, 7245, 9535 (Sherman) 0509 H&W in tlk, ID 0511 and into African "Congo Jazz" mx (Hywarren 10/16)
- 4820 HONDURAS HRVC: 0305-0345 w/rcl. px, mx and tlks (Swanson, Carter, Gionet, Taylor)
- 4825 GUATEMALA R Nam: 0000 marimba mx, good ID; HET, QRM (Blaise) 0150-0215 SP, w/marimba mx, LA mx (Thompson)
- 4830 THAILAND R Thailand: 1350-1400 in Thai, mx, H w/ID and mx (Bryan 10/25)
- 4830 ECUADOR R Luz y Vida: 0749* SP, TC, freq, ID ". . . desde Loja. . . muy buenos dias; short mx and c/off 0751 $\frac{1}{2}$; Roloj not on (Jones 9/25)
- 4832 COSTA RICA R Roloj: 0108-0825 IA mx, SP tlks, IDs (Alexander, Taylor, Kenyon, Leffler, Swanson, Gallagher)
- 4835 SARAWAK RM: 1330 in Bahasa Malaysia, M with ID, as Kuching 1330 (Bryan)
- 4835 SOUTH AFRICA SABC: 2125-2200* EG w/H reading listener's letters, pops, ads IDs (Sillings 10/26) 0410 w/tlk on agriculture (Grenier, Bryan 10/26)
- 4839 BRASIL Rdfid Roraima: 0215-0230 PT, EI, LA vocals, 2 M ancs, ID as "Radio Roraima as listed (Perdue 10/22)
- 4840 VENEZUELA R Valera: 0109 SP tlks (Leffler) 0215 ID, TCs, ads, YV mx (Jones 11/7)
- 4845 MAURITANIA Moukchott: 2200-0006* AR, tlks, rx and vocals, chants from the Holy Koran (Onken, Kenyon, Leffler, Alexander, Bogel, Johnson, Edelstein) Should not be mistaken for Cameroon on 4850--says Onken and yours truly
- 4845 BOTSWANA RB: 0350-0405 w/cowbell IS, hymn at 0400, EG ID, into px of lcl mx w/lang arnts (Setswana) (McCarthy, Osterman, Bishop)
- 4845 NOLUCCAS RRI Ambon: 1336 w/lcl mx--very nice--w/ ancr, F (Hywarren 10/11)
- 4845 MALAYSIA RM: 1455-1502 in lang tlks, lx 1500 w/mentions of Carter and Malaysia (Poppin)
- 4850 SURINAM SRS: Why stick to one frequency? Move around. And so they are, turning up here on alternate nights...0200-0400 w/mx px, EG tlk, ID as "Radio 725" which is the AM outlet; Clarin, Capital not hrd (Field) Lately noted back on 4799 $\frac{1}{2}$ but you never know--DR
- 4850 DOM REP R Clarin: 2236 SP, in Meringue Dominicano, mx (Leffler)
- 4850 CANEGOU Yaounde: 2135-2200 FR, lcl mx, EG pops, tlks (Alexander, Onken) 0510-0520 FR, mx by M, ID 0510, mixing with LA str (Roberts) 0512 EG F in mx about Zimbabwe (Bryan)
- 4850 VENEZUELA R Capital: 2250 SP, pops and IA mx, ID jingle 2255--Clarin gone this day (Bishop 10/12) 0330-0340 IDs, TCs (Roberts, Hutchins) 1025 w/US pop mx, ID, ads (Jones 10/8)
- 4855 BRASIL RC do Para: 0300 PT, M w/ID, ads, anmts (Perdue 10/22) 0840 lcl Brazilian mx, ballads, ID (Alexander 11/6)
- 4860 VENEZUELA R Maracaibo: 0111 SP, tlks, ads, TC (Leffler 10/16)
- 4870 HEMI LVR: 2055-0101* FR, lcl mx and political speeches to 0101* w/NA as noted by Godfrey; also 0452-0645 w/drum mx and FR tlks (13 reporters)
- 4870 ECUADOR R Rio Amazonas: 0237 SP, ID, Ecuadorian mx (Jones 10/26)
- 4875 IRIAN JAYA RRI Sorong: 1330 EG pops, M w/anmts (Hywarren 10/11)
- 4875 COLOMBIA LV del Norte: 0440-0456* SP, LA mx, M w/ID, freqs, singing anthem (Blaise) 0505* tuned just in time for ID, anthem (Ravenhorst 11/7)
- 4875 BOLIVIA La Cruz del Sur: 0942 SP, ID, freqs, station information...HET on freq must have been Combeima, usually dominant here (Jones)
- 4875 SOUTH AFRICA RSA: 0257 EG, IS, anthem and tx (Luce)
- 4875 COLOMBIA Ecos del Combeima: 1000-1030 w/SP tlk, IDs, mx (Gallagher 10/25) 0145 w/SP ballads, M in anmts; HET from 4880 (Cohen 11/3)
- 4880 VENEZUELA R Universo: 2241 SP, YV mx w/vocalist (Leffler 10/15) 0020 w/Mexican mx (Hunt) 0252 w/nice IA mx, M w/ID 0254 (Hutchins)
- 4881 SOUTH AFRICA SABC: *0400-0405 in AK w/ID, mx; good lvl on 11/14...move from 4875 (Barto)
- 4885 COLOMBIA Ondas del Meta: 0320-0345 SP, guitar mx, vocals, SP tlks (Thompson 11/3)
- 4890 ECUADOR R Centinela del Sur: 0502* SP, ID, fqys, few bars of NA and off (Blaise 10/16, Jones)

- 4890 SENEGAL Radio Senegal: 2205-2320 FR, mx, instrumentals, and vocals, frequent IDs (McCarthy) 2237 musique and chants, tlks on Senegalese people (Gagnon) 2259 in tlks and chants (Edelstein) *0600 w/IS (Blaise) 0615 in FR w/harp and flute mx, many anmts (George) 0605 w/nx; ID 0610 into commentary about hijackings. Is not //4950 (Hywarran) *0700 w/IS, s/on, lcl mx, tlk; had some kind of technical trouble and left air abruptly 0719, came back 0727 (Alexander)
- 4890 HONDURAS R Lux: 0220 in SP, ID w/echo, LA pop mx, s/off about 5 minutes later (Jones 11/3)
- 4890 VENEZUELA Rdfid Venezolana: 1110 SP, news, chimes, mx (Luce 10/8) 0334 M w/ID lcl mx, telephone requests (Bryan 10/19)
- 4890 PAPUA NEW GUINEA NBC: 0751-1315 EG, M ancr, US rock and roll; 1400 s/off with NA; also ads and TCs (Thompson, Johnson, Bryan, Tiers)
- 4895 MALAYSIA RM-Sarawak: 1410 W in tlks in lang (Bryan)
- 4895(T) BRAZIL R Bare: Listed here, 0010 w/sports, very weak, first time hrd in a while; sports // other Brazilians on 4955, 6085, 6045, 6035, 6000 (Field)
- 4900 CHAD RTV: Noted here on 11/5 either drift or NF w/FR tlk by M, US folk mx (Hayer 11/5) We noted it same time, same day at *0432--DR
- 4900 VENEZUELA R Juventud: 1040 SP, mx, tlks, ads and IDs (Tannenwald 10/20) 0105-0213 w/US pops and IDs (Sandborn 10/6, Luce 11/3, Sillings 10/24, Taylor) 2243-2348 SP tlk and ID (Blaise, Leffler)

Sorting out the jumble of stations on 60 meters these past few weeks has been quite a chore--frequencies are constantly being switched. Some of our newer reporters should take care not to misread frequencies (as much as is possible) and take enough details for at least a good TENTATIVE log for LOG REPORT. I hope to see many more reports for the January issue--remember, Christmas DX always seems better than any other time of the year!

73's from Washington

HELPING HAND: Dr. Richard E. Wood, Boyd Hall, Plymouth State College, Plymouth, NH 03264 is completing work on a book on international broadcasting directed to listeners in Africa from outside that continent.

He would be grateful to any NASWA member who might be able to provide any unusual information on the topic, e.g., not commonly-available schedule information, information on Israel's broadcasts in Swahili in 1961, listener survey reports, information on reception, news clippings, etc. Any original material will be acknowledged.

HELPING HAND: NASWA member Jim Weber, Box 331, Warrington, PA 18976 wishes to correspond with anyone who has, or may have had experience with the AR 88 receiver.

HELPING HAND: Theodore E. Dames Co., 308 Hickory Street, Arlington, NJ 07032 have sent us a listing of hard to get SW equipment they have for sale. Included in the listings is the Hammarlund SP-600-JX-17, Collins R-390A/URR and some others. Anyone interested can write them direct.

More on the FRC-7 digital display mentioned on page 4, SWC-1: The FRC-7 digital frequency readout is available from Kautis Electronics, as a completely assembled unit for \$109.95 postpaid. Frequency resolution is to 0.1kHz and the display easily connects to the FRC-7 via two easily accessible test points in the receiver.

log report section

B

Sam Barto 245 Cherry Ave. J-11 Watertown, Ct. 06725

- 4904.5 CHAD RNT; 2125 in FR w/ Af. tune by children, tlks, accents seem more Parisian than African. (Smith). 0444 in FR w/ Af. mx, tlks by a man (Blaize).
- 4905 BRASIL R. Relogio Federal 2245-2330 in PT w/ time pips, ID, ads, annts, some lite mx, severe QRM (Leffler, Roberts). 0045 in PT w/ ID.
- 4907v KAMPUCHEA R. Phom-Penh; 1321-1341 in lang. w/ many (Sherman). southeast Asian songs, tlks W (Godfrey). 1416 in Cambodian w/ nx, local mx (Bryan). 1100-1114 in lang. w/ tlks W, singing (Barto).
- 4910 ECUADOR Em. Gran Colombia; *1055 in SP w/ NA, ID, "Mr. Sandman" theme mx, into nx (Jones). 0410-0508 in SP w/ LA mx, echo type ID, Pepsi ads, (Alexander, Blaize).
- 4910t GHANA GBC; 0655 w/ stringed mx and chanting (Johnson 11/6). Could possibly be Conakry dual to 1403 w/ good signals here...Sam.
- 4915 BRASIL Rdf. de Macapa; 0830 in PT w/ ID, fast tlks (Tannenwald). 2249 in PT w/ tlks (Leffler). 0015-0045 in PT w/ pop mx, "Bump" tunes, full ID's by a M at 35,43 (Perdue)...interesting "Bump"...a new one!
- 4915 COLOMBIA R. Guatapuri; 0100 in SP w/ ID's (Pyatt)...back from 4815(?).
- 4915 GHANA GBC; 2230-2306* in EG/lang. w/ ID, NX, choir singing, rel. mx, local Af. tunes, NA at close down (Kenyon, Alvi, Luce).
- 4920 AUSTRALIA ABC Brisbane; 0820-1045 in EG w/ pop mx, ID's, tlks, local wx reports, (Tiers, Gionet, Ohtake).
- 4920 UKRAINE R. Moscow or R. Kiev; 2145-2200* in GM w/ cmntry, ID, nx, beautiful level (Mayer)...recent QSL indicates Kiev here...Sam.
- 4925t CAMEROON R. Yaounde; 2140-2200 in what sounded like GM (above?) w/ excited tlks (Smith 11/2)...also ID's as R. Cameroon...Sam.
- 4925 MANCHURIA Haerbin; 1423 in CH w/ tlks about Taiwan (Bryan).
- 4930 DOMINICAN REP. R. Mil; 0200-0250 in SP w/ ID, pop mx, LA pop mx, TCs, ads, (Taylor, Roberts). 0927 in SP w/ ID, TC, coms, campo mx (Jones). 1100 in SP w/ ads, ID, TC (Tannenwald).
- 4930 ECUADOR R. Casa de la Cultura; 0357 in SP w/ ID, station check to 0400* w/ NA (Bryan 10/19).
- 4930 VENEZUELA Voz de la Fe; 2251 in SP w/ ads, ID (Leffler)...Good catch.
- 4932a NIGERIA NBC Benin City; 0130 in vern. w/ US pop and soul mx (Hoffman)
- 4935 BRASIL R. Capixaba; 2305-2342 in PT w/ accordion tunes, LA vocals, echo-effect annts, ID's, promo as "Capixaba de Vitoria" (Perdue, Rob-UNID. 0400-0405 in SP w/ mentions of Quito (Barto 11/15). erts) freq. measured on CRF-320...RN down from 4940?
- 4936.6 BOLIVIA R. Norte; 0330 in SP w/ ID, good level. some co-channel QRM, Ute was absent (Sherman 10/27)...Nice catch. (Jones)
- 4940 ECUADOR RN de Ecuador; 1059 in SP w/ chimes, ID, freq, nx, local mx
- 4940 IVORY COAST RTVI; 2123-2245 in FR w/ tlks, Af. mx (Valko, Kenyon).
- 4940 VENEZUELA R. Yaracuy; 2252 in SP w/ TC, ads, LA mx (Leffler). 0236 in SP w/ LA pop mx, ID by M&W (Blaize).
- 4945 COLOMBIA R. Colosal; 0114-0420 in SP w/ samba mx, ID's, orch. mx, vocals, guitar mx (Poppin, Leffler, Thompson).
- 4950 SARAWAK RMS; 1431-1520 in EG w/ local nx, wx, ID's, orch. mx, cmntry, "Sunday Pop Parade", (Wallace, Bryan, Alvi, Grenier). 1215-1255 in EG/CH w/ nx, piano mx, vocals, TC's, CH at 1230 (Poppin, Thompson). 0940 in lang. w/ tlks, //7160 (Ohtake).
- 4950 SENEGAL R. Senegal; 2157-2205 in FR w/ IS, time pips, ID by W (Smith) 0558 w/ ID in FR "Ici Dakar, Radiodiffusion du Senegal" (Hywarren).
- 4958.9 UNID. 0352-0401*, possibly SP (Bogel).
- 4960 VENEZUELA R. Sucre; 2254 in SP w/ LA mx (Leffler). 0353 w/ ads, ID and gongs (Bryan).
- 4965 BRASIL R. Poti; 0010 in PT w/ sports broadcast, Santa Fe het (Field).
- 4965 COLOMBIA R. Santa Fe; 0445 in SP w/ frequent ID's, LA mx (Johnson).
- 4970 VENEZUELA R. Rumbos; 2257-2330 in SP w/ tlks, sports tlks, LA mx, TC, ads (Prath, Leffler). 0211-0420 in SP w/ VZ pop mx, ID's, (Bryan, Blaize).
- 4980 GHANA GBC; 2045 in EG w/ ID, Coke ads, TC, mx (Miller).
- 4980 SWAZILAND Swazi Radio (R. Truro); 0400-0425 in EG/HD w/ Indian mx, ad for a Musical Co. in Durban (Godfrey). (Blaize, Leffler)
- 4980 VENEZUELA Ecos del Torbes; 2258-2342 in SP w/ LA mx, ID's, ads,

- 4985 BRASIL R. Brasil Central; 2345 in PT w/ local opo mx, ID, tlks W (Taylor).0637 w/ ID(Tiers).0436 in PT w/ group singing, ID, ads
- 4985v SULAWESI RRI Ujung Pandang; 1230-1332 in IN w/ pop tunes, (Poppin). sports game(Sherman,Hywarren).
- 4990 NIGERIA NBC Lagos; *0432-0510 in EG w/ drum IS, ID, review of programming, Koran reading, nx(Bohlke,Jones,Alexander).
- 4990 VENEZUELA R. Barquisimeto; 1050 in SP w/ LA vocals, ID(Tannenwald). 0117 w/ TC, mx(Leffler). 0305 w/ freq's, LA mx, ID(Taylor).
- 4995v PERU R. Andina; 0403-0535 in SP w/ beautiful flute mx, dedications, ID's, ID's, world nx(Bryan,Roberts,Blaize). Valko).
- 5000 SOUTH AFRICA XU; 0130-0200 in CW w/ ID every 5 min.(Alexander).
- 5005 SARAWAK RMS Sibu; 1355-1401 in lang. w/ W interview, nx(Poppin).
- 5010 CAMEROON R. Garoua; 2110-2200* in AR(vern?) w/ chants, drums, modern Af. rythems, vocals(Cress,Perdue,Valko,Edelstein). *0505-0520 in FR/EG w/ chants, local mx, nx,drum and flute IS, ID, EG nx from 05-15(Godfrey,Hoffman,Hywarren,Sarrazin,Cohen).
- 5010 COLOMBIA R. Surcolombiana; 0118 in SP w/ ID(Leffler).0502* in SP w/ several ID's,NA(Blaize).
- 5010 SINGAPORE RS; 1443-1515 in EG w/ UN programming(Bryan).
- 5015 ASIATIC RUSSIA Vladivostok; 1200-1404 in RS w/ tlks M&W, classical mx, poetic comments, vocals(Poppin,Blossom).
- 5015 BRASIL R. Borborema; 0840 in PT w/ TC, ID(Tannenwald)...5025?...Sam.
- 5015 BRASIL R. Pioneira; 0100 in PT w/ musical pgm. & ID(Field).
- 5015 EUROPEAN RUSSIA Arkangelsk; 0450-0510 in RS w/ nx at 00, Moscow TC, // 4780, 5065(Petrozavodsk).(Roberts 10/10).
- 5020 COLOMBIA Ecos del Atrato; 0130-0225 in SP w/ LA mx, ID's. "Happy Birthday" sung in EG(Valko,Alexander). Sarrazin).
- 5020t NIGER ORTN; 0725-0740 in FR w/ vocals in lang., May of been on late.
- 5025 BRASIL R. Borborema; 0418-0429* in PT w/ local opo mx, ID's, very clear ID as "Bor-Bor-E-Mah"(Bryan,Roberts).
- 5025 ECUADOR R. Splendit; 1100 in SP w/ local mx, TC's, tlks, ID(Jones).
- 5025v UNID. 0453-0459* in SP w/ NA(Poppin 10/22). Poppin).
- 5030 SARAWAK RMS; 1253-1300 in lang. w/ ID's, piano mx, dialogue(Luce).
- 5030 VENEZUELA R. Reloj Continente; 2300-0329 in SP w/ ID, ads, LA mx, time checks(Blaize,Leffler).
- 5038 CENTRAL AF. REP. Rdf. Nat. Centrafricaine; 0600 in FR w/ drum IS, ID, chanting(George). 2120 in FR w/ folk mx,tlks(Ohtake).
- 5040 CHINA Fuzhou I; 0828 in CH w/ orchestral mx (Grenier). mer,Jones).
- 5040 COLOMBIA R. Cinco; 0913-1101 in SP w/ ID, ads, tlks,pop mx, TC(Zil-
- 5041 GUINEA-BISSAU RN; 2314-0004* in PT w/ lots of Af. mx, ID, NA(Alvi).
- 5041.5 ECUADOR R. Nacional Espejo; 0425 in SP w/ lively LA mx,ID's(Blaize).
- 5045 BRASIL Rdf. Pres. Prudente; 0247 in PT w/ ID by a M, frequency was announced, local pop mx(Blaize)...Nice Catch...Sam.
- 5045 BRASIL R. Cultura(Educativa) do Para; 0430-0500* in PT w/ rock mx, local pops, ID(Roberts).0240-0258*(?) in PT w/ light mx(Alexander).
- 5047 TOGO RT; 2114-2302 in FR w/ pop mx, ID's, Af. and rock mx,speech, (Leffler,Ohtake,Valko,Edelstein,Johnson). 0545 in FR w/ rock mx,ID, "beep" QRM every 5 seconds(Blaize).
- 5050 VENEZUELA R. Mundial; 0305-0741 in SP w/ tlks, vocals, guitar mx, singing ID's, pop mx(Thompson,Jones). Alvi,Grenier,Ohtake,Luce).
- 5052 SINGAPORE RS; 1300-1537 in EG w/ pop mx, ID's, pgm. summary,(Poppin).
- 5055 COSTA RICA Faro del Caribe; *1100-1152 in SP w/ ID, TC, call letters, rel. mx, //6133, 6217, 6175, 7645(Zilmer,Jones).1100 in SP (Valko).
- 5057 ALBANIA R. Gjirokastra; 0525-0535 in lang. w/ exercise mx by piano, W & M w/ nx(Blaize).
- 5060 ECUADOR RN de Progreso; 0220-0422 in SP w/ modern pop mx, ID's, Andean mx, tango type mx(Blaize,Sarrazin,Bryan).
- 5060 PAKISTAN RP; *1228 in lang. w/ Koran tlks(?) 1245 fade(Abraham).
- 5070 CANADA RCI; 0007-0012 in PT w/ ID & nx(Abraham)...spur?
- 5075 COLOMBIA R. Sutatenza; 0354 in SP w/ LA mx, ID, NA to 0358*(Blaize). 2303 in SP w/ ads, local nx, LA mx, ID(Leffler).
- 5095 COLOMBIA R. Sutatenza; 0151-0400* in SP w/ nx, ID's, LA mx, semi classical mx, soft mx,(Earhart,Bryan,Blaize).
- 5165 BONAIRE RN; 0200 in EG w/ ID, nx(Pick)...nom 6165...check rcvr.
- 5175 ANTIGUA BBC; 0210 in EG w/ BBC WS nx(Pick)...nom 6175...check rcvr.
- 5453 DOMINICAN REP. La Voz de las Fuerzas Armadas; strong spur 1010-1030 in SP w/ ID(Hauser).
- 5882 ISREAL IBA; 0430 in HB w/ HS pgm., ID //7465 (Zilmer).
- 5900 ISREAL IBA; 0430* w/ nx in three different languages, 5 minutes each. 35-40 being Ladino(Hauser).0500-0515 in EG w/ nx, //7412(Zilmer).

- 5915 BULGARIA R. Sofia; *2130-2200* in EG to Europe w/ ID,nx, //7115(Fraser).
 5915 USSR R. P&P; 2316 in FR w/ tlks(Gagnon).
 5915 USSR RM; 0000 in SP w/ political comment(Cohen)...Bulgarian site.
 5930 CZECHOSLOVAKIA RP; 0100-0140 in EG w/ ID, nx, (Tiers,Phillips,Reed,
 5935 LATVIA R. Riga; 0545-0600 in lang. w/ classical mx,vocals Prath).
 IS and tlks(Alexander).2115-2158* in SW w/ light mx,choir singing
 orchestral mx(Valko,McCarthy).
 5940 USSR RM; 2330 in EG w/ NX(Prath). 1141 in CH w/ short pop mx, tlks,
 MOR mx, (Jones). 0228 in RS w/ piano mx, anc W, chorus(Jones).
 5955 COSTA RICA R. Casino; 1029 in SP w/ ID, ranchera mx(Jones).
 5955 COLOMBIA La Voz de los Centauros, TC's, (Jones).2337-0045 in SP w/ ID's
 mentions of Villavicencio, TC's, (Jones).2337-0045 in SP w/ ID's,
 off from 5962(Ravenhorst)...believed a move from there...Sam.(Jones)
 5955 GUATEMALA R. Cultural; 0431 in SP w/ ID, "Musica en Medicacion" pgm.
 0820 in SP w/ rel. tlks, ID (Tannenwald).
 5955 PHILIPPINES(?) VOA; 1352 w/ interview pgm(Blaize).
 5960 CANADA RCI; 0115 in FR w/ nx and comments(Prath).0400-0425 in EG w/
 economic tlks, sports, vampires(Hynes).That's what I love about RCI!
 5965 BRASIL R. Guaiba; 0130 in PT w/ sports(Field).
 5965 SWITZERLAND SBC; 0245 in GM w/ tlks, nx, ID & IS(Blaize).
 5970 PERU R. El Sol; 2330 in SP w/ musical pgm(Field).*1028 in SP w/ ID,
 short Peruvian mx, campo mx(Jones).
 5975 ENGLAND BBC; 2315 in EG w/ "Letterbox"(Leffler).0100 in EG w/ ID,TC,
 (Bryan).0420 in EG w/ nx(Johnson).
 5980 LITHUANIA R. Vilnius; *0100-0110 in LH w/ IS, ID, nx(Hermann). 2315-
 2328* in EG w/ cmntry(Hermann).
 5980 PERU R. Panamerica; 0538 in SP w/ ID, pop mx, some US R&R(Jones).
 0130 in SP w/ musical pgm, ID (Field).
 5980 SOUTH AFRICA R. RSA; 2318 in EG w/ mx(Leffler).
 5980 UKRAINE R. Kiev; *0300-0327* in EG w/ ID, nx. *0330-0400* in UK.
 *0031-0040 in EG w/ ID, nx, cmntry (Hermann).
 5980 USA KGEI; 1010 in EG w/ nx, DX pgm., hymns(Prath,Dalrymple).
 5980 USSR RM; 0132-0145 in RS w/ nx, cmntry.*2330-2355 in RS w/ IS, ID,
 tlks, nx. *0200-0215 in RS w/ nx on constitution(Hermann).
 5985 MEXICO R. Mexico; 0111-0145 in SP w/ ID in EG/FR/SP, LA mx, (Sapozni-
 5990 MALTA IBRA; 2031 in EG w/ rel. tlks and mx(Phillips). kow(Field).
 5990 ROMANIA R. Bucharest; 0133-0150 in EG w/ cmntry, ID, nx, sports
 roundup and mx(Yacono,Phillips).
 5995 AUSTRALIA RA; 0745-1305 in EG w/ PNG Service, coastal reports, ID's,
 wx, pop mx, mailbag(Gallagher,Hermann,Miller,Swanson,Bryan).
 6000 HUNGARY RB; 0205 in EG w/ nx & cmntry(Phillips).
 6005 ASCENSION ISLAND BBC; 1120 in EG(Swanson).0400 w/ WS nx,ID(Alexander)
 6006 FED. REP. of GERMANY RIAS; 0600-0620 in GM w/ tlks & light GM mx
 6006 COSTA RICA R. Reloj;...no reports!!!...unbelievable!!! (Cannon).
 6010 FED. REP. of GERMANY DW; 0200 in GM w/ ID, nx & cmntry(Prath).
 6010 VENEZUELA R. Mil Cuarenta; 1043 in SP w/ US rock mx, ads, ID(Jones).
 6012 ANTARTICA AFAN; 0904 in EG w/ mx(Dalrymple)...need more details!
 6012 UNID. 1130-1133 in EG w/ VOA nx, mentions of Ethopia, instrumental
 mx(Barto 11/14). (Osterman).
 6015 BRASIL R. Clube de Pernambuco; 0810 in PT w/ tlks, ads, LA mx, ID's,
 6015 DODECANESE ISLANDS VOA Rhodes;*2058-2200* in EG w/ IS, ID, nx(Valko,
 Alexander,Blossom).
 6020 PERU R. Victoria; 1026-1035 in SP w/ light instrumental mx, ID's,
 US pop mx, TC's,(Jones,Abraham,Hoffman).
 6025 PORTUGAL RP; 0255 in PT w/ classical mx,chimes,ID's(Blaize).0106 in
 PT w/ easy listening mx(Bryan).0300-0330 in EG w/ IS, ID, mx(Luce,
 6025 UZBEK R. Tashkent; *1200-1230 in EG w/ ID, cmntry and Sarrazin).
 nx, //5975(Jones, Carter,Hunt,Osterman).
 6030 BOLIVIA R. Panamerica; 2330 in SP w/ ID as "Desde La Paz, Bolivia,
 Pan Americana onda media..."(Field).
 6030 JAPAN RJ; 1230 in RS w/ IS, ID(Jones). "MERRY CHRISTMAS"
 6035 AUSTRALIA RA; 2100 in EG w/ ID, nx(Cress).
 6035 BRASIL R. Globo; 0045 in PT w/ sports cmntry(Yajko).0935 in PT w/ TC,
 ID, many coms, tlks(Jones).
 6040 GERMAN DEM. REP. RBI; 2326 in PT w/ nx(Leffler). "HAPPY NEW YEAR"
 6040 USSR RM; 0158 in EG w/ tlks, cmntry, ID(Smith).
 6045 SWITZERLAND SBC; 0430 in EG w/ features(Pyatt).
 6045 URUGUAY Rdf. del Uruguay; 0948 in SP w/ tlks, mentions of El Espect-
 ador, signal was deep in the "mud"(Jones 10/10).

- 6050 MALAYSIA BBC Tebrau; 1445* in VV w/ tlks, ID(Bryan).
- 6055 ASCENSION ISLAND BBC 0115 in SP w/ Big-Ben IS, nx and ID(Bryan).
- 6055 BRASIL R. Rural Brasileira; 2333 in PT w/ tlks, nx(Leffler)..Nice.
- 6055 CZECHOSLOVAKIA RP; *0030-0055* in EG w/ ID, nx, classical mx(Fraser)
- 6055 JAPAN NSB; 1447 in EG/JP tlks on British agriculture(Bryan).
- 6055 USA UNR; 0545-0559 in EG w/ African nx, ID(Dawson).
- 6060 ARGENTINA RN; 0830-0931 in SP w/ ID by W, tango mx(Tannenwald, Jones)
- 6060 CUBA RHC; 0100 in SP w/ IS, ID, nx(Fraser), 0550-0600* in SP w/ tlks, ID, NA(Gallagher).
- 6065 BELGIUM BRT; 0049 in EG w/ nx(Baum).
- 6065 CANADA CBC; 1100 in EG w/ ID, nx, cmntry, wx(Prath).
- 6065 COLOMBIA R. Super; 0850 in SP w/ romantic mx, TC, ID(Tannenwald).
- 6065 SPAIN RTVE; *0100-0135 in EG w/ "Panorama", "Folk Corner", "Music Review" and "Tourist Guide" pgms...//11880(Fraser).0100-0125 in EG w/ nx, mx, (Earhart).0115-0130 in SP w/ mx, nx(Clark).
- 6070 CANADA CFRB; 1215-1448 in EG w/ ID, nx, ads, pop mx(Swanson, Blaize). 2329 in EG w/ local nx, ID(Sandborn).0200-0220 in EG w/ ads, ID's, nx, classical mx(Sarrazin).
- 6075 COLOMBIA R. Sutatenza; 0125 in SP w/ ID as "R. Sutatenza de Medellin tlks and nx(MacKay).
- 6075 FEDERAL REP. of GERMANY DW; 0143 in EG w/ nx(Bryan).
- 6080 BELGIUM BRT; *0015-0100* in EG w/ ID, tlks, "Letterbox" pgm., nx, mx(Clark, Sandborn, Sherman, Smith).
- 6080 SAUDI ARABIA BSKSA; 2225 in AR w/ classical style MidEast mx, tlks, ID, nx //6130(?). (Bishop).
- 6082 PERU RN de Peru; 0000 in SP w/ IS, ID(Zilmer).0955 in SP w/ enjoyabl Peruvian mx(Jones).
- 6090 ARGENTINA R. Belgrano; 2233 in SP w/ ID, ads(Field). Sandborn).
- 6090 LUXEMBOURG RL; 0030-0100 in EG w/ pop mx, ID's, nx, (Prath, Carter,
- 6090 UNID. 0136-0142 in SP w/ tlks by W, over RL(Valko)...Help..Belgrano?
- 6095 BRASIL Rdr. de Sao Paulo; 0040 in PT w/ ID(Field).
- 6095 ECUADOR HCJB; 0515-0530 in EG w/ rel. pgm., tlks, ID(Cannon).
- 6100 MALTA DW; 0128-0150* in EG w/ IS, ID's, nx, orchestral mx, cmntry, tlks, (Carter, Reed, Thompson).
- 6100 MOROCCO RTVM; 2125 in AR w/ ID, nx. QRM/DW(Godfrey).
- 6105 HUNGARY RB; 0300-0330 in EG w/ ID, nx, cmntry //6080(Noonan, Sherman)
- 6105 MEXICO Su Pantera; 1244 in SP w/ ID, comls, nx(Jones).
- 6105 NEW ZEALAND RNZ; 0830-1015 in EG w/ nx, wx, ID's, easy listening mx, dance mx, "Mailbag" pgm.(Sandborn, Miller, Yajko, Dalrymple).
- 6105 SPAIN RTVE; 0115 in EG w/ cmntry on Spain(Prath).
- 6105 TANZANIA RT; 1400-1500 w/ mx and comments(Willis).0445 in EG w/ ID's tlks on current affairs(Prath).
- 6110 HUNGARY RB; 2110-2130 in EG w/ nx, comments, discussions, vocal mx, into another lang. at 2130(Cohen, Bohlke).
- 6110 PHILIPPINES VOA Tinang; 1500 in EG w/ ID, nx(Bryan).
- 6115 COLOMBIA La Voz del Llano; 0930-1040 in SP w/ LA vocals, ID's, TC's, local anmts(Tannenwald, Jones, Yajko). 0220 in SP w/ screaming type ID fast vocal mx w/ few instrumentals(Sarrazin). (Tiers, Bryan).
- 6120 PHILIPPINES FEBC; 1505-1536 in EG w/ rel. mx, ID's, bible lessons,
- 6120 SWEDEN RS; *2259-2330* in EG w/ nx, current events discussion, ID's, B/C to NA(Reed, Ponder).
- 6130 CANADA CHNX; 0850 in EG w/ country western type mx, local wx reports nx at 0900, ID's(Jones).
- 6130 COLOMBIA R. Super de Cali; 1050 in SP w/ ID, TC, x-6055(Jones).
- 6130 ECUADOR HCJB; 0930-1054 in EG w/ "DX Party Line" pgm., x-6160, QRM/ Super de Cali and CHNX(Jones, Dalrymple).0156 in EG w/ rel. tlks(Smit
- 6130 GHANA GBC; 2130-2215 in EG w/ nx, ID(Blaize, Bohlke).
- 6130 SAUDI ARABIA BSKSA; 2200 in AR w/ chanting, AR mx, tlks(Blaize).
- 6130 USA VOA; 0015 in EG w/ ID(Prath).
- 6130 USSR RN; 2320-2347 in EG w/ "Moscow Mailbag" pgm, ID(Clark).
- 6133 COSTA RICA Faro del Caribe; 1100 in SP w/ tlks //5055, 6217(Zilmer).
- 6135 BRASIL R. Gaucha; 0830-0923 in pp w/ tlks, ID, TC's(Tannenwald, Jones)
- 6135 CHILE R. Univ. de Concepcion; 1031-1045 in SP w/ continuous easy listening LA style mx, IS(repeated notes on a horn), ID, "Panorama Informativa" pgm. (Jones).
- 6135 INDIA AIR; 1544-1555 in RS(?) w/ nx, cmntry(Wallace).
- 6135 SOUTH KOREA RK Suwon; 1517 in Korean w/ ID, nx, (Bryan).
- 6135 SWITZERLAND SBC; 0145-0215 in EG w/ nx, ID's, "Dateline" pgm., cmntry accordion mx, (Sapoznikow, Thompson, Woltman).

- 6140 AUSTRALIA ABC; C945 in EG w/ shipping information, rock mx(Jones).
 6145 COLOMBIA La Voz del Cauca; 1125-1138 in SP w/ tlks, many ID's, mentions of Popayan...great signal!(Barto 11/17). (Jones).
 6150 COLOMBIA La Voz del Huila; 1053 in SP w/ coms, guitar mx, vocals 0215 in SP w/ somewhat corny sounding vocals(Sarrazin)....OK
 6155 AUSTRIA ORF; 0140 in EG w/ nx, cmntry(Phillips).
 6155 USA WYFR; 0135-0200 in EG w/ "Family Bible Counseling" pgm., ID's, reading health tips, etc.(McCants).
 6155 UNID. 1205 w/ AR type chanting. Weak but very readable(Barto 11/14).
 6160 COLOMBIA Emisora Nueva Granada; 0940 in SP w/ LA mx(Jones).
 6160 ECUADOR HCJB; 1100 in EG w/ ID, TC, nx(Miller).
 6160 HUNGARY RB; 0200-0230* in EG w/ tlks about Hungary(Sherman).
 6160 NEWFOUNDLAND CKZN; 0930-1025 in EG w/ sports, ID's, local wx re-ports, DJ type mx pgm., (Jones, Phillips).
 6165 BONAIRE RN; *0200-0320* in EG w/ nx, cmntry, ID's, "Happy Station" pgm., "DX Jukebox" pgm., (Clark, Baum, McCants, Pick, Sandborn, Sillings, Gallagher). *0500-0620* in EG w/ ID, jazz pgm(Blaize). 0005 in EG w/ DX pgm., ID, (Woltman).
 6165 BRASIL R. Cultura; 2330 in PT w/ pop mx.//17315,9745(Zilmer).
 6165 MEXICO Voz de America Latina; 1200 in SP w/ mx pgm.(Field).
 6165 SWITZERLAND SBC; 0210 in EG w/ current events pgm(Prath).
 6165 VIETNAM VOV Ho-Chi-Min-City; 1525 in VN w/ local nx(Bryan).
 6170 COLOMBIA La Voz de la Selva; 1052 in SP w/ upbeat mx, ID's, LA mx, strong signal (MacKay, Tannenwald).
 6170 VENEZUELA RN; 1002 in SP w/ ID, calls, into light mx(Jones).
 6175 COSTA RICA Faro del Caribe; 1050-1116 in SP w/ LA vocals, ID, pop mx, ID's //6133 not heard on 5055(Jones, Tannenwald).
 6175 MALAYSIA RM Kuala Lumpur; 1331-1342 in lang. w/ ID, nx, reference to Japan Air Lines(Poppin).
 6175 PERU R. Tawantisuyo; 1006-1015 in SP w/ ID by W, folklorico mx, coms, tlks by M, flute mx, ID as "Transmite R. Tawantinsuyo.... onda media....onda corta....en la ciudad de Cusco. Radio Tawantinsuyo"(Jones, Abraham).
 6180 GUATEMALA La Voz de Guatemala; 1150-1253 in SP w/ marimba mx, EG ID's, tlks in SP, vocals(Taylor, Blaize, Abraham). man).
 6180 VENEZUELA R. Turismo; 1013 in SP w/ Chevy ad, ID, LA vocals(Oster- man).
 6185 BRASIL R. Bandeirantes; 0815 in PT w/ ID, TC (Tannenwald).
 6190 WEST BERLIN Sender Freies Berlin; 0538-0555 in GM w/ light German mx and tlks by a man (Cannon).
 6195t BRASIL Emisora Continental; 0942 in PT w/ tlks(Field).
 6195 CANADA CBC; 0120-0145 in EG w/ ballet mx, ID's(Clark).
 6195 CHILE RN de Chile; 1000 in SP w/ ID, tlks, nx(Jones).
 6195 PERU R. Cuzco; 1001 in SP w/ Peruvian mx, calls, frequency, folklorico type mx, 1000 sign on(?) (Jones 10/20).
 6200 ALBANIA R. Tirana; 0140-0200* in EG w/ ID, cmntry(Prath, Gallagher).

I guess this does it until another time in another section.
 I hope you all can read the column this time. We finally broke down and got a new ribbon. I even cleaned the keys! Every month I looked forward to starting off with Chad and ending with Albania. Its not too often that one looks forward to seeing Albania!
 I sincerely hope that in some small way I have helped you log a few new stations. Thankyou to the hundreds of letters that I've received from our NASWA members in the past few years. See you in the middle somewhere...Sam.

HELPING HAND: Sell; Drake R4-C w/ALL crystal, Noise Blanker, xtlas- \$580, SW4A - \$245, Barlow Wadley XCR-30 Mk II - \$235, SPR4 w/noise blanker and all xtlas for SW3C, Ham, etc, NARS, and even CB - \$475. All mint and price includes UPS. Also Collins R-370A in mint cond., just aligned by Charles Taylor - \$420 plus shipping or pick-up. Call (517) 482-7990 or write Bill Whitacre, 2609 Devonshire; Lansing, MI 48910.



log report section C

6205 kHz to 11700 kHz

EDIPOR: Tom Gavara - 16920 17th Avenue North, Wayzata, Minnesota 55391

- 6202 LAOS NRBS (Houa Phan); *1255-1320 fade/out. Laotian music & talk. Weak (G. Sherman)
- 6205 LIBYAN WATERS Mebo II; 2200-2305* Still test transmissions with Pop, classical, folk and rock music. Aria and Man of Action themes before sign off. English s/off with freqs, etc but no ID. (Ravenhorst 10/4, Zilmer 10/18, McCarthy 10/28, Abraham)
- 6232 MEDITERRANEAN WATERS Voice of Peace; Reliably reported by V. of Peace staffer to now be operating here. No sign of it yet. (Magne). -Thanks for the news, Larry! (ed)
- 6250 KOREA (NORTH) R. Pyongyang; 2307 Korean news of activities in Korea. ID (Ravenhorst)
- 6290 CHINA R. Peking; 2320-2325* Unknown language into International & R. Peking Interval signal. (Ravenhorst 10/17). -Greg, I have the language listed as Cantonese (editor)-
- 6340 TURKEY Turkish Police Radio; Heard well from 1400 until past 1500, since August. Good level, Turkish announcements by inexperienced announcer and then Turkish music. Believed increased power level (Willis).
- 6750 CHINA R. Peking; Chinese HS 1122 with CR talk and music (Yajko 10/23).
- 6772 KOREA (NORTH) R. Pyongyang; 1200 Spanish talk & local music //9420 (Zilmer 10/23).
- 7035 CHINA R. Peking; 1452 Chinese talk by a lady (Grenier 10/29).
- 7050 CHINA R. Peking (Wulumqi); 0158* Just caught s/off with East is Red. Poor (Sarrazin)
- 7065 ALBANIA R. Tirana; *0000-0025* English news, cmtry, etc. (Prath, Clark). 0127 Portuguese talk on Communism (Leffler)
- 7070 INDONESIA RRI (Jakarta); 1351 unknown language (probably Indonesian) ID, cmtry, guitar music, beeps at 1400. (Poppin 10/3).
- 7095 CHINA R. Peking; 1115 Chinese HS w/talk (Yajko). 1410 Chinese propaganda (Bryan).
- 7100 BULGARIA R. Sofia; 0434-0459* English news about Soviet communist party, music, editorials, etc. (Barhart 10/16, MacKay 10/6).
- 7100 USSR R. Moscow; 0129 English mailbag (Leffler) -I believe this is still Bulgaria (ed)
- 7105 ASCENSION ISLAND BBC; 0259 EG ID & World News (Thompson). 0415 talk about the History of Canada (Bryan).
- 7105 MONACO TWR; 0705 English ID, Radio Bible Class (Sandborn 10/9).
- 7110 SAUDI ARABIA BSKSA (Riyadh); 0150 Arabic talk between waitings (Sarrazin 10/26).
- 7115 USSR R. Moscow; 0316 English with Moscow Mailbag; Adamov & friend telling us of a US movie he saw entitled "Fever on the White Line (i.e. White Line Fever!)" (Edelstein 11/6). -What did he think of it?? (Editor)-
- 7122 SOMALIA R. Hargeisa; Giving good reception again & is heard best at 1400. Music & announcements - many of a political nature in Somali. Believed this station to be built (like main station) with Russian loans & aid, still to be paid back (Willis). -After hearing a few days ago that the Russians were kicked out of Somalia, I doubt that they will get much money from Somalia now! (hi). (ed)-
- 7135 USSR R. Moscow; 0141 English mx //7165 & 7175 (Sarrazin). 2153 EG News (McCarthy).
- 7140 ENGLAND BBC; 0143 EG Theatre of the Air (Leffler) -I have CYPRUS listed (editor)-
- 7150 USSR R. Kiev; *0030-0058* English ID, news, etc. (Edelstein, Clark, Sandborn, Baum).
- 7150 USSR R. Vilnius; 0100 Lithuanian IS & mx (Edelstein). 2302 EG talk about the Neutron Bomb (Yajko 10/17).
- 7155nf SPAIN RTVE; 2030-2100 English commentary (C. Sherman 11/5).
- 7160 USSR R. Moscow; 2315 EG Moscow Mailbag (Baum) -I have 7165 listed as frequency (ed)-
- 7165 PHILIPPINES VOA (Poros); 1422 English commentary on the changes of things (Bryan).
- 7165 USSR R. Moscow; 2340 English commentary against Israel, etc. (McCants 10/8).
- 7165 UNIDENTIFIED; 0715 African harmonizing music, no announcements. "Yesterday" by the Beatles was played. Definitely 5kHz down from Noumea! (Sarrazin 11/5).
- 7166 ETHIOPIA Voice of Revolutionary Ethiopia; Heard at 1500 in EG and the preceding hour in Arabic. Good level // 6015. Much political talk, directed against Somalia, Arab and Western Imperialism (Willis).
- 7170 NEW CALEDONIA R. Noumea; 0645 French with US top 40 hits, a little native music, talking in French. (Sarrazin 11/5).
- 7175 TURKEY VOR; *2200-0030* English News, Turkey Jazz, ID (Fraser, Clark, Blaize). 0440 Turkish music & talk by a female DJ. Easy listening (MacKay).
- 7180 MALAYSIA BBC; 1428 Bengali ID, cmtry; 1430 EG ID & Time pips (Bryan 10/19).
- 7195 USSR R. Moscow; 2300 English news program (Noonan 10/26).
- 7200 ENGLAND VOA; 0405-0430 English Breakfast Show program (Alexander, Bryan).
- 7203v KOREA (NORTH) R. Pyongyang; 1640 English with Communist propaganda (Tiers 11/10).
- 7205 PHILIPPINES VOA (Tinang); 1442 Indonesian news & talk about Jimmy Carter (Bryan).
- 7205 USSR R. Moscow; 0100 English with News & cmtry (Luce 11/3).
- 7215 BRUNEI R. Brunei; 1345-1430 English talk, etc. (Godfrey 10/12, Bryan 10/19).
- 7215 USSR R. Peace & Progress; 1325 English interview w/head of US communist party (Sarrazin

- 7225 PHILIPPINES FEBC; 1238 Indonesian talk & choral music, ID, freq; Japanese at 1300 (Thompson). 1451 Chinese talk with religious organ music (Bryan).
- 7225 ROMANIA R. Bucharest; 2020 English w/listeners Club pgm (Gionet 10/19).
- 7225 RWANDA DW; 0449 English ID, News w/heavy HAI QRM (Blaise 10/17).
- 7230 CYPRUS Cyprus Bc. Corp; 2210 Greek. Noted w/IS, also audible on 6155 & 9770. They keep shifting freqs but this was the situation on Oct. 14th. The broadcast is on Fri/Sat/Sun only at 2215-2230 (Hauser) 2215 Greek news & nice Greek mx (Pyatt 10/23)
- 7240 AUSTRALIA R. Australia (Garnarvon); 1500 EG ID & News about blacks in S. Africa (Bryan)
- 7240 PHILIPPINES VOA (Porc); 1457 Vietnamese talk w/QRM (Bryan 10/19).
- 7245 ANGOLA R. Nacional; 0445 Portuguese tlk & mx w/ARC QRM. (G. Sherman 10/27).
- 7250 USSR R. Moscow; 0000-0130 English news, cmntry, Moscow Review (Thompson, Pearth, Bryan).
- 7265 GERMANY (WEST) Sudwestfunk; 0218 German tlk w/music from Carly Simon (Edelstein)
- 7270 GREECE VOA (Kavala); 0300 English news program (Sandborn 10/9).
- 7270 POLAND Polish Radio; 0159-0300 EG News, cmntry (Sandborn, Bohlke, Luce).
- 7270 SARAWAK R. Malaysia; 1407 unidentified language w/news, rock mx, ID (Poppin 10/3).
- 7270 SOUTH AFRICA RSA; 0256-0340 IS, Anthem, English ID, News, Rock mx (Luce, Bryan).
- 7275 ITALY RAI; 0420 English News and Identification (Blaise 10/11, Godfrey 10/18).
- 7275 NIGERIA VON; 0550-0620 Drums, Announcement of pgm, News, etc. (Alexander, Carter).
- 7275 TUNISIA RTVE; 0020 French ID w/slow Arabic chanting. s/off at 0030 (Bohlke). 0045 Arabic tlk & chanting (Blaise). 2315+ Arabic chanting (Godfrey).
- 7285 PORTUGAL DW; 0415+ IS, Bulgarian ID, News, etc. (Godfrey 10/14).
- 7285 SOUTH AFRICA SABG; 1509 English Identification & pop music (Bryan 10/19).
- 7295 MALAYSIA R. Malaysia; 1515 English drama about a jealous husband & a submissive wife. ID. (Bryan 10/19).
- 7300 ALBANIA R. Tirana; 0153 English with political talk (Yajko 10/16).
- 7320 ENGLAND BBC; 0037 English ID & Radio Theatre (Sandborn). 0215 EG w/Band mx (Clark).
- 7345 CZECHOSLOVAKIA R. Prague; 0100 English ID, mx, freqs, DX Chat, etc. (Woltman, Prath, Sarrazin, Mrowczynski). 0319-0358* English w/regular N. American service (Ponder).
- 7360 USSR R. Kiev; 0300 English ID & talk about life in Ukraine (Grenier, Sandborn).
- 7360 USSR R. Moscow; 2330 Spanish talking (Kenyon 10/26).
- 7390 USSR R. Vilnius; 2300 English mailbag program (Prath 10/10).
- 7400 USSR R. Kiev; 0300 English w/talk about Brezhnev's speech, music (Hunt 11/4).
- 7412 ISRAEL IBA; 0500 English nx & press review (Barhart, Grenier). 2300 Hebrew news, cmntry & talk (Prath).
- 7420 BELORUSSIAN SSR R. Minsk; 2134 Belorussian tlk & ID. S/off at 2157 (Pineault 10/7).
- 7443 USA VOA; RCSEM feeder on UN Radio via Switzerland frequency, coincidentally? 0520 11/7 in English// 6035 (Hauser).
- 7465 ISRAEL IBA; 0430 Hebrew home service pgm w/talk & music (Zilmer 11/7).
- 7512 VietNAM VOV (Tay Nguyen); 1145 Vietnamese talk & music//9840 (Zilmer 10/23).
- 7600 ECUADOR HD210A Time Station; 0345 Spanish ID w/time & time pips (Marshall). 2340 Spanish w/time pips & time (Hermann).
- 9009a ISRAEL IBA; 2120 French talk, ID into English news at 2130 (Hutchins 10/12).
- 9022 IRAN VOI; 0126* Farsi tlk (?), anthem & s/off (MacKay). 1930 EG News (Stanziale).
- 9121 GERMANY (EAST) (?); 0311 Spy Station. 5-digit German numbers by woman on AM; each group twice; uses 'zero' instead of 'null'; and 'zwölf' instead of 'zwei'; does this give us a clue as to source?; at 0315 "Ende N N N N; Gruppen 12-8," and presumably rebeginning message (Hauser 10/26).
- 9360 SPAIN RTVE; 2337-0340 Spanish ID, News, music, etc. (Bryan, Leffler, Thompson, Johnson)
- 9410 ENGLAND BBC; 2133-0330 EG News, music programs, talk about British & Soviet Union relations, etc. (Whitehead, Yacono, Leffler, Sarrazin, Johnson, Bryan).
- 9420 KOREA (NORTH) R. Pyongyang; 1200 SP tlk & local mx // 6772 (Zilmer 10/23). 1300 SP talk, music and ID (Bryan 10/21).
- 9435 ISRAEL IBA; 2255 English news and mention of frequencies (Sarrazin 10/26).
- 9470 CHINA R. Peking; *2230 IS, ID & News in Unid. language (MacKay). I have Quechua listed as the language (editor)-
- 9470 USSR R. Moscow; 0154 Spanish talk on communism (Leffler 10/16).
- 9475 EGYPT R. Cairo; 0155 Spanish news and American rock mx (Leffler). 0200-0305 EG news, musical pgm, etc. (Berezowski, Baum, Dawson, Whitehead).
- 9490 USSR R. Moscow; *2130 IS, English s/on with news. QRM from MAYAK. (MacKay 10/2).
- 9495 USSR(?) Unidentified; 1137 Russian (?) w/mx & singing sounded Russian. Lang unknown. Fast fade. Do not believe this is unid recently reported on 9497 (Jones 10/19).
- 9497 PHILIPPINES; Various reports of an Asian religious unidentified here is very likely FEBC, per report received here from Victor Goonetilleke, Sri Lanka (Magne).
- 9500 ALBANIA R. Tirana; 1545 Arabic talk w/chanting & rapid drumming, IS (Edelstein).
- 9500 LIBYA FRB; 2216 Arabic talking and music (Gagrou 22/10).
- 9505 AUSTRALIA R. Australia; 2230* EG w/freq announcement, IS, ID, s/off (MacKay 10/29)
- 9505 CHILE R. Nacional de Chile; 1300-1317* Spanish tlk, ID//9510 (Zilmer 10/22).
- 9505 JAPAN R. Japan; 0800 EG news (Gallagher). *1200 EG s/on into Asian nx (Yajko). 1305 EG News & cmntry on CIA involvement around world (Blaise, Bryan).
- 9505 SPAIN RTVE; *2030 IS, EG ID, etc. For Europe. (Cohen 10/27, MacKay 10/29).

- 9510 ENGLAND BBC; 2205-2330 English news, cmntry, panel show, etc. (Prath, Yacono).
 9510 USA BBC; 0230 English talk about Travel & Tourism (Prath 11/1).
 9515 TURKEY VOT; 2200-0013 English news, cmntry, Review of Turkish Press, etc. (Sillings, Bryan, Fick, Jones, Bogel, Earhart, Prath, Dawson, Mrowczynski, Yacono).
 9515 URUGUAY SODRE; 0210-0330 SP ID, talk, music. (Bogel, Mayer, W. Smith, Eavenhorst).
 9525 CUBA RHC; 0709 English ID, request for suggestions on programs, etc. (Earhart 10/26).
 9525 INDIA AIR; 2035 Subcont mx, ancnmts & ID (Cohen)-Language? (ed)- 2200 EG ID (Miller).
 9525 MOROCCO TWR; *0800 English with Church news (Sandborn 10/9).
 9530 BULGARIA R. Sofia; 2128-2159* IS, EG ID, talk about USSR (MacKay, Thompson).
 9530 JAPAN R. Japan; *0900 IS, EG/Japanese ID into Japanese news (C. Hoffman 10/17).
 9530 JORDAN HKBS; 2003 Arabic chanting. Poor level (Edelstein 11/6).
 9530 SPAIN RTVE; 2348 Spanish Identification and news program (Bryan 10/25).
 9535 ANGOLA R. Nacional; 0446 Portugese talk & music (G. Sherman 10/27).
 9535 CANADA; An RCI mid-season change, back to 9535 (ex 9655) for 0300 EG pgm (Hauser 10/7).
 9540 AUSTRALIA R. Australia (Shepparton); 0740 English tlk about UFOs (Gallagher 10/18).
 9540 CZECHOSLOVAKIA R. Prague; 0000 Portugese ID (Bryan). 0120 EG Sunday Magazine (Clark).
 9540 USA UN Radio; 0530 French & EG programs (Alexander). 0741 EG tlk about Zimbabwe.
 9540 USSR R. Tashkent; *1200 IS, EG ID, Soviet news (Blossom 11/4). (MacKay)
 9545 PHILIPPINES VOA (Poror); 0000 English ID, News about Western allies (Bryan 10/26).
 9550 NORWAY R. Norway; 0025 EG talk about weather stations (Yajko 10/17). 2000 English w/Norway This Week (Zilmer 10/16).
 9555 PHILIPPINES VOA (Tinang); 1235 English/Chinese language lesson (Yajko 10/23).
 9560 AUSTRALIA R. Australia (Carnarvon); 2057 Indonesian w/pop music (Bohlke 11/4).
 9560 ECUADOR HCJB; 0030-0409 English w/DX Party Line, Call of the Andes, etc. (McKinney, Mrowczynski, Sandborn, Baum, A. Smith, Bryan, Flick).
 9565 GERMANY (WEST) DW; 0132 EG News & ID (Fraser) - I have Malta listed here! (Editor).
 9567a CHILE V. of Free Chile; 2328-0004 English/Spanish/French programs w/ID (Valko). 0115 EG talk about Chile (Sarrazin).
 9570 ROMANIA R. Bucharest; 01104 Portugese cmntry (Sarrazin, McKinney). 0200+ EG w/DX Show (Marshall, Prath). 0400 English ID & Listeners Letter Box (Sandborn).
 9575 ITALY RAI; *0100-0120* EG News (Sillings, Ponder, Grenier). 1930 EG ID & News (Edelstein).
 9580 ENGLAND BBC; 1600 EG News & Quiz pgm (Mrowczynski) - I have Antigua listed here (ed). 2-05 EG World News (Yacono) - I have Backville listed here (ed)- 0220-0339 EG talk about Northern Ireland, British Barbershop mx, etc. (Whitehead, Johnson, Bryan).
 9580 AUSTRALIA R. Australia; 1230-1300 EG news & music (Fraser, Earhart, Thompson).
 9585 BRAZIL R. Excelsior; 2330 Portugese talk and local music (Zilmer 10/27).
 9585 HUNGARY R. Budapest; 0200 EG tlk (McKinney). 0300 EG ID & News (Sandborn) 0415 English w/DX Program (MacKay 11/5).
 9585 SOMALIA R. Mogadishu; 1852-1954 Somali & Arabic tlk & mx (Edelstein, Bryan, Yajko).
 9585 JAPAN R. Japan; *1300 IS, EG News & ID. Japanese news at 1315 (Fraser, Bryan).
 9585 SOUTH AFRICA RSA; 2106 EG News (Bryan). 2230-2330 EG News, African Survey, DX Corner, etc. (McKinney, Jones, Swanson, Sandborn, Prath, Kenyon).
 9590 MONTSERAT DW; 0130 English program. Barely audible (Miller 10/20).
 9590 NETHERLAND AMBILLES R. Nederland; 0230-0320 EG News, Happy Station show, etc. New freq for 0230 broadcast to NAM (Clark, Whitehead, Noonan, Fick).
 9590 NORWAY R. Norway; 2200 English w/Norway This Week (Zilmer 11/6).
 9590 SWEDEN R. Sweden; *0030-0100* English News & Interview (Plotnick, Sillings).
 9590 SWITZERLAND SBC; 2100 English w/Dateline & Music parade (Yacono 10/17, Bohlke 10/15).
 9595 ECUADOR HCJB; 0200 Bre. ch talk w/music (C. Sherman 11/6).
 9595 JAPAN NSB; 0830 Japanese w/comedy, child voices & audience laughter (Fallaagher 10/27).
 9600 ACCESSION ISLANDS SBC; 0658 English Identification & News (Earhart 10/26).
 9605 VATICAN STATE Vatican Radio; *0100 EG Religious nx (Reed, Bogel, Sandborn, Sapoznikow).
 9605 CANADA RCI; 0200 English News, Sports, Cmnty, DX Digest (Hynes, Whitehead, Zilmer).
 9610 AUSTRALIA VLM9 (Perth); 1242-1550 EG nx & mx (Poppin, Taylor, Bryan, Hermann, Cohen).
 9615 MOROCCO RTVM; 0007 Arabic talking and instrumental music (Bryan 10/26).
 9620 YUGOSLAVIA R. Belgrade; *2200 English Identification, news & cmntry (Sandborn, Ponder).
 9625 CANADA CBC NS; 0528 EG seems to be doing its best to get itself QRIed so we south-erners will just listen to RCI like we're suppose to. Noted with heavy jamming QRM. Why? Because they apparently agreed to share the freq with RFE/RL this season (Hauser 11/7). 2250 English w/science report, music. Strong but QRM (Bogel, Swanson).
 9630 HOLLAND R. Nederland; 2200 English news & talk w/ a piano player (Prath 10/17).
 9630 PHILIPPINES VOA (Tinang); 1349 Khmer news. Jammed! (Bryan 10/21).
 9630 SWEDEN R. Sweden; 1103 English talk about Energy (Yajko 10/23).
 9635 SINGAPORE R. Singapore; 1430 Chinese tlk, many pops, full ID at 1500 (Hywarren 11/1).
 9640 AUSTRALIA R. Australia (Carnarvon); *1157 IS then ID'ing as "ABC in Carnarvon". Also ID in unidentified language, music, etc. (Earhart 10/23).
 9640 CANADA RCI; 1100 English w/Weekend Magazine, DX Digest (Sandborn 9/26).
 9640 GUAM KTWB; 1105 English Radio Bible Class, Sermons, etc. (Gionet, Osterman).
 9640 KOREA (SOUTH) R. Korea; 1359 English ID (Bryan). 1600 EG ID, nx (Sandborn).
 9645 NORWAY R. Norway; 0319 Norwegian news read by man & woman (Bryan 10/11).
 9655 CANADA RCI; 0000 Portugese news and talks (Prath 10/28).

- 9660 VENEZUELA R. Pambos; 2214 Spanish w/Pepsi Cola ads & talk (Bryan 10/24).
- 9665 KOREA (SOUTH) R. Korea; 1140 Talk in English by a lady (Cohen 10/26).
- 9665 MALAYSIA R. Malaysia; 1412 Bahasa talk w/scientific information (Bryan 10/21).
- 9665 SWEDEN R. Sweden; 1400 EG News (Zilmer). 1855-1900* Mx abt foreign media (Pickard).
- 9670 AUSTRALIA R. Australia (Shepparton); 1400 English news program (Zilmer 11/6).
- 9670 JAPAN R. Japan; 1610 Swahili & English talk, IDs, mx, etc. (Thompson 10/13).
- 9675 ITALY R. Diario da Bahia; 0922 Portuguese ID, commercials, MOR mx (Jones 11/2).
- 9680 RUSSIA VOA (Kavala); 1422 Georgian news, pop music, ID (Bryan 10/21).
- 9685 BRITAIN BRG; 0015-0100 EG News. A move from 9675kHz (Zilmer 10/26).
- 9685 BRAZIL R. Gazeta; 0036 Portuguese soccer coverage, no ID heard (Yajko 10/20).
- 968 USSR R. Moscow; 0012 English news from Moscow, cmtry on Middle East (Bryan 10/13)
- 9690 ARGENTINA RAE; 0300-0420 EG Mx, tlk & mx (Matthews, Bryan, Marshall, Berezowski).
- 9695 SWEDEN R. Sweden; 0030 P. ID (Bryan). 0230 EG Mx, cmtry (Sandborn, Sapoznikow).
#2300-2327 EG ID, Panorama, SCMX, etc. (Bogel, Stanziale, Woltman, Clark, Berezowski).
- 9700 BULGARIA R. Sofia; 0000 English News, DX Program (Krowczynski, McKinney).
- 9700 SWITZERLAND SBC; 0315 French news/6135 & 9725. Very good (Homan 11/8).
- 9700 FRANCE DF; 0145 German tlk, ID at s/off as "la le DW station relay Kigali" (Hywarren)
- 9705 INDIA AIR; 0215 Tibetan ID, chants, talk (Kayer 11/1).
- 9710 SOUTH AFRICA SABC; 1510 EG & Afkns. Lots of old 50's mx, ID (Godfrey 10/12).
- 9720 KOREA (SOUTH) R. Korea; *1600 EG News & Korean mx (Pickard, Thompson, Zilmer).
- 9720 SRI LANKA SABC; 1640 EG ID, mx (Poppin). *1845 EG mx, mx/1195* (Pickard, Zilmer).
- 9725 SWITZERLAND SBC; *0145 EG Dateline, Current Affairs (Krowczynski, Thompson, Tiers).
- 9730 GERMANY (EAST) RFI; 0100 English news editorials (Taylor, Krowczynski, Stanziale).
- 9730 GREECE VOG; 0015 English news to North America (Hilfer 10/2).
- 9730 SAUDI ARABIA BKSA (Jiyadh); 1620 Arabic wallings by woman (Sarrazin 11/6).
- 9730 HAIDA UBC; 2030 English news, mx, interview (Bohlike, Valko).
- 9740 BULGARIA R. Sofia; 2125 English talk about Sales before the Socialist board (Sarrazin)
- 9740 GREECE VOA (Kavala); 0600 English w/Good Morning Africa show (Sarrazin 10/19).
- 9740 ITALY RAI; 0305 SP news, strong spur from 9575 mxtr; much stronger than 9710 (Hauser).
- 9745 BULGARIA R. Sofia; 2156 Identification in English (Hywarren 10/11).
- 9745 CONGO R. Yaounde; 2101 FR mx & tlk (Bryan, Sarrazin). 0538 FR, EG & Vernacular talking w/ID & News (Roberts).
- 9745 IRAQ R. Baghdad; 1930-2033 EG News, ID, etc; into French at 2030 (Carter, Sandborn, McKinney, Bohlike, Sillings, Lionet, Marshall, Gagrion). 0245 Arabic w/muzzein faithful in prayer, ID. New freq for this HS (Wagne, C. Sherman). 0520+ Ar tlk (Godfre, Sarrazin)
- 9750 CHILE R. Minería; 1017 Spanish talk, Campesino pgm (Jones 9/16).
- 9750 TANZANIA R. Tanzania; 1500 English ID w/mostly music (Bogel 10/22).
- 9760 GREECE VOG; 0015 EG mx (Ponder, Stanziale, Bryan, W. Smith). 0215 EG (Clark, Hynes, Miller).
- 9760 PHILIPPINES VOA (Tinang); 1320-1500 English World nx & music (Bogel, Bryan).
- 9770 AUSTRALIA ORF; 0130+ EG pgm (Krowczynski, Gagrion, Sandborn, Stanziale, Fraser, Matthews, Cyprus Ec. Corp; 2215 Greek ID, nx (Sandborn 10/7). Leffler, Poppin).
- 9770 CYPRUS Cyprus Ec. Corp; 2215 Greek ID, nx (Sandborn 10/7). Leffler, Poppin).
- 9780 ALBANIA R. Peking; 0100 English news, etc (Edelstein, Whitehead, Krowczynski, McKinney)
- 9790 ALBANIA R. Tirana; 0020 Albanian talk and folk music (Leffler 10/16).
- 9815 ISRAEL IBA; 2000 EG nx (Krowczynski). *2230 EG nx (Alexander, Swanson, Bogel, Bryan, Jones)
- 9838 VIETNAM VOV (Tay Nguyen); 1212 lang w/ID, repeated word "Wont Eye", cmtry (Poppin).
- 9900 ITALY RAI; 0305 SP Spur, v. strong here, then found on 9740; 9900 is about twice as far from 9795 as 9740 is, so I conclude 9575 is the culprit. Found another one on about 10065, but no sign of any at corresponding low sides of 9575 (Hauser 10/26).
- 10040 VIETNAM VOV; 1000 EG nx (Sandborn). 1150 EG ID (Brooker). 1608 EG cmtry (Dawson).
1902 French tlk about life in Vietnam (Dawson).
- 10060 VIETNAM VOV (Hanoi); 0032 Vietnamese ID, music & vocals (Bryan 10/13).
- 11350 KOREA (NORTH) KCBS; 2245 Korean talk and local music (Zilmer 10/30).
- 11535 KOREA (NORTH) RP; 0000 EG nx (Zilmer). 1246 EG ID (Bryan). 2330 EG nx (Cress).
- 11640 PAKISTAN R. Pakistan; 2115 English Identification and News program (Sandborn 10/11).
- 11645 SOMALIA R. Hargeisa; 1300-1500+ lang w/much tlk & distinctive Somali mx, IDs (Perdue)
- 11650 BAKGLADESH R. Bangladesh; 1421 English w/popular mx. (Gugrion 9/10).
- 11655 ISRAEL IBA; 2120 Russian nx (jammed) (Bryan). 2230 EG "Around & About" pgm (Kenyon).
- 11700nf CHILE VOFG; 0213 EG news (Clark). 0310+ EG Mx & cmtry (W. Smith, Saylor).
- 11700 DOMINICAN REPUBLIC R. Clarin; On 11/7 R. Clarin resumed its EG programming, now at 2300-2200 intended for Europe; and expanded to an hour at 2300-2400 intended for N Am. Learned many things from premier show. Rudy Espinal said a lightning strike had caused the 3-month outage, having damaged both the antennas & the transmitter, which he said was now on 30 KW, but would soon be back up to 50. Said he hoped they were back to stay for a long, long time. R. Clarin aims to be No. 2 in popularity, right behind R. Nederland. Was back testing as early as 10/26. IRCs are not required, but banknotes are OK (hi). Now has a brief useless news summary from ITT in middle of pgm. Annoying het on low side of channel. Rudy gave his home & office phone numbers & invited listeners to stay at his home when visiting S.D. (Hauser). 2135-0034 International Service w/SP & EG programs (Bohlike, Saylor, Matthews, Sherman, Kayer, Zilmer, Bogel).

HAPPY CHRISTMAS AND BEST WISHES FOR 1978!!!!!! 73, Com

log report

ORIGINAL
section
HAND-CRAFTED



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R4-B w/FS-4 synthesizer

11701 & above

DECEMBER, 1977

Distributing Editor Greg Ravenhorst says he has a new address for the winter, effective immediately: c/o Sunset Bay Camp, Baby Lake, Hackensack, MN 56452. As usual, all loggings should be sent directly to Greg with deadline for receipt on the 12th. However, if you think you might miss the deadline, loggings can be sent directly to the log report editors -- but your name won't make the credits page! Regarding my comment last month on Guam being // on 15115 & 15155, Greg says he did hear them on both freqs 10/16 & 10/17 but not subsequently. I noticed that on Cushen's tape of the station on DXJB, TWR did announce both frequencies. Oh well. Let's go:

- 11704.3 CHILE Voice of Free Chile; 0200-0330 FR/EG/SP (10 reporters).
11705 JAPAN R. Japan; 1520-1535 HD/Urdu, talks on Carter, orch mx, ID's into Urdu at 1531 (Thompson 10/13); 2340-0010 EG, IS, ID, nx, Sweden not here now, //15270 usually better (Gionet 10/23, Smith 10/26)
11705 NEW ZEALAND RNZ; 0030 EG, drama, M, ID (Bryan-CA 10/16).
11709.8 ARGENTINA RAE; 2200 FR, nx by M&W, they promise a lot of goodies for a detailed report (Gionet 10/17); 2300-2350 EG (7 reporters).
11710 UK VOA-Wofferton; 1508 RS, nx about Jimmy Carter (Bryan-CA 10/23)
11715 EGYPT R. Cairo; 2356 SP, Mideast mx w/cmtry, QRMd (Leffler 10/15)
11720 AUSTRALIA RA; 0840 EG, last of DXers Calling programs, a series that has run over 30 years; after it, they played "Killing Me Softly", which is certainly what they did, not publicizing the decision on RA until the week before; excellent signal (Hauser 10/30).
11720 CANADA CBC N.S.; 1515 EG, interview with singer (Swanson 10/22); 1800-1830 EG, "Life in a Pond", "Young Writers" (Marshall 10/16); 2225+ EG/FR, mx, ID, FR from 2230, good (Bogel-CA 10/24); 2359 EG, "Schools on Wheels" (Leffler 10/15).
11730 GREECE Voice of Greece; 0015-0030 EG, world news (Marshall 10/9, Dawson 10/31); 0325+ GK, mx, poor due to QRM (Earhart 10/9).
11730 HOLLAND RN-Lopik; 1830-1950 EG, news from Africa, "Day by Day" (Marshall 10/26, Bryan 10/11). Is now 1920 sign/off -ed. 2130-2250 EG to N.Am., "The Monday Pgm", "European Scene" (Fraser 10/10, Yacono 10/17, Swanson 10/7). This freq now dropped at this time & replaced with 6085 & 6020, with 2220 sign/off -ed.
11730 MALAGASY REP. RN-Madagascar; 2000-2120 EG, "Newsblock", "Happy Station" pgm (Miller 10/25, Bryan 10/23). Sign/off time the same but signs on at 2030 -- with // 11740 from Lopik -ed.
11730 UZBEK SSR R. Tashkent; *1200-1230 EG, s/on, nx, cmtry, into Urdu at 1230 (Brooker 10/16); 1201+ EG giving news of communist-type -- then about new power plant; then discussed an exhibition coming up; 1210 about UN Gen. Assembly; fair (Earhart 10/20); 1210-1230 EG, comment on new constitution; 1230 Urdu; 1300 HD? (Blossom-OH 10/10)
11730 SPAIN 0430 SP, ID, nx by M&W, excellent (Blaise-IA 10/15).
11735 SRI LANKA SLBC; 1115-1130* EG, ID, mx (C. Sherman 10/31).
11750 MALAYSIA BBC-Tebrau; 1300 EG, W.S., Peter Flynn news (Bryan 10/23)
11750 UK BBC; 0000 EG, nx (Leffler 10/16).
11755 FINLAND RF; 1521 FN, M, tlk, IS, local mx (Bryan-CA 10/23); 1905-1924 EG, lbx, freq sked, mx (Berezowski 10/9, Bryan 10/11); 2340-2356* EG, book review "The Manila Rope" abt WW II (Earhart 10/31).
11755 SEYCHELLES FEBA; *0310+ FS, usual mixture of music and talk -- very poor reception; still in business though! (Osterman 11/3).
11760 CUBA RHC; 1752-0002 SP, mx (Earhart & Prath 10/29, Leffler 10/16).
11765 USSR RSP&P; 1058* EG, IS, ID, very weak (Mackay 10/23).
11770 ASCENSION IS. BBC; 1645-1730 EG, nx, tlk on Africa (Thompson 10/25)
11770 NIGERIA VON; 1610-1620 EG, ID by YL into classical piano pgm, good (Mayer 11/6); 1800-1810 EG, IS, ID, //s inaudible (L. Edelstein 11/6).
11770 YEMEN P.D.R. DYBS; 1325-1335 AR, ID, Arab mx (Wallace-JAPAN 10/19).
11775 SPAIN RNE; 2147 SP, IS followed by bagpipe mx, fair (Yacono-NY 10/16); 0004-0030 SP, sports nx, guitar mx (Leffler 10/16, Thomp-

- 11775 son 10/26); 0335 SP, M, ID, 2M, W, newscast (Bryan-CA 10/16).
USSR RM; 1330 EG, RSP&P pgm, world events, "60 Years to the road of progress", poor (Yacono-NY 10/15).
- 11780 BRAZIL RNB; 2030-2348 PT, light mx, ID; "Voz do Brasil" ID at 2348, classical L.Am. mx (Bohlke 10/19, L.Edelstein 10/13).
- 11780 GUAM TWR; 1016-1035 EG, rel. talks & mx, ID and "Radio Bible" pgm, bad fade at 1035 (Cannon 10/9).
- 11780RF NEW ZEALAND RNZ; *0524-0715* EG, "Sportscall", nx in vernaculars, big band mx, co-channel RCI QRM, 0600-0700 (Pickard-IL 11/9).
- 11780 SWEDEN R. Sweden; 1830 EG, nx, poor (Zilmer 11/6).
- 11795 CHILE VOFC; 0235 FR, no sign of DW on 11/9 and 11/10 and in the clear (Matthews 11/10).
- 11800 SEYCHELLES FEBA; 0355-0420 EG, 5 min. of IS, ID at 0400, TC as 7:00 E.Afr. time, hymns; reliably here very night, fair (W.Smith 10/16); 0400 EG, gospel requests, fair (George-TX 10/7).
- 11800 SOUTH AFRICA R. RSA; 2230 EG, s/on, nx, cmnt (Prath-FL 10/29).
- 11805 BRAZIL R. Globo; 0144 PT, lively Brazilian mx (Fraher 11/7).
- 11810 CHILE VOFC; 0311 EG, nx of Chile, anti-comm. cmnt (Stanziale 10/8).
- 11810 INDIA AIR; 1413-1425 EG, Indian press comments, about best I've gotten India; flutter but good (Bogel 10/14); 1445-1500* EG, ID, nx, freq info, heard every day recently (Godfrey 10/15).
- 11820 AUSTRALIA RA; 2148 EG, lbx, talk re: outback, weak with flutter and QRM from BBC IS starting at 2150 (Mackay 11/5).
- 11820NF NEW ZEALAND RNZ; *0720-0930* EG, 0745: hour drama; 0910 "Check-point" current affairs pgm; good (Pickard 11/9); 0737-0745 EG, local nx, sports, wx, very good -- ex-11705? (Osterman 11/1).
- 11825 SOCIETY IS. R. Tahiti; 0158-0530 FR/TT, pops (5 reporters).
- 11835 ECUADOR HCJB; 0429-0436 unid. lang., rel pgm, //9620 (Earhart 10/16).
- 11835 LIBERIA ELWA; 2010-2015 EG/FR/AR, ID into AR pgm (Osterman 10/27).
- 11835 SRI LANKA SLBC Ext. Svc.; 1110-1131*, playing Greek mx until ID at 1114 & into missionary pgm; 1131 NA & off; good (Hauser 11/1).
- 11835 USSR RSP&P; 1257 EG to As., strong, fluttery, //11845 (Mackay 10/23).
- 11840 GREECE VOA-Kavala; 1544 RS, ID (Bryan 10/23).
- 11840 JAPAN RJ; 1337 IT, nx, Herb Albert mx (Bryan-CA 10/23).
- 11845 SEYCHELLES FEBA; 0357 EG, news (Tiers 11/10). More details!?! -ed.
- 11845 USSR RSP&P; 1257 EG to As., s/off; strong but poor (Mackay 10/23).
- 11850 SWITZERLAND SBC; 1923 FR, cheery Swiss mx (L.Edelstein 11/6).
- 11855 CANADA RCI; 1950-2000 EG, "DX Digest" pgm (Reed 10/23).
- 11855 LIBERIA ELWA; 2115-2126* EG, tlk on different nx items in Liberia; severe QRM by DW on 11865 at 2125 (Valko 10/27).
- 11855 SAUDI ARABIA BSKSA; 2155-2200* EG, W with talk on Islam, reminiscent of TWR; ID at 2157, freq schedule, TC as 1:00, closing, NA, sign/off; fair; last time heard in EG was in 1964 (W.Smith 10/15).
- 11856 MONGOLIA RUB; 1500* Mongolian; HS; but, another much louder stn. has also been commonly noted on exactly the same frequency to run past 1400. This latter one gives nil ID but is believed to be Taipei. A confusing channel. Looked for Mongolia's EG svc. at 1220: nothing on air. (Their FS is on 7238 & 7264 from 1300-1500 with Chinese & Mongolian segments) (Willis-AUST 10/30).
- 11860 USSR RM; 1220-1230 unid lang., is Yuzhno-Sakhalinsk, Asiatic RSFSR per UHN-7 (L.Edelstein 11/7); 1608 EG, to Asia, nx especially about India and Bangladesh; med. level, no QRM (Mackay 11/6).
- 11865 CANADA RCI; 1915-1923 EG, "DX Digest" -- for past 2 weeks I've been waiting to hear the surprise with Glenn! (L.Edelstein 11/6). Glenn is moving up to a satellite feed system, hi! -ed.
- 11865 ANTIGUA DW; 0011 SP to L.Am., German techniks tlk (Leffler 11/6).
- 11870 SWITZERLAND SBC; 1530 EG, tlk on opera (Grenier 10/30).
- 11875 JAPAN RJ; 1345 CH, M - ID; into English (Bryan 10/23). Details??!
- 11880 CANARY IS. 2139 SP, W, ID, mx, tlk (Edelstein 11/6); 2215 SP, W, ID, TC, nx, MOR mx (Sandborn 10/13).
- 11880 SPAIN RNE; 0205-0230 EG, interview w/Spanish swami; "Folk Corner", "Weekly Literary Review" (Whitehead 11/8); 0405 EG; tho formerly went off at 0400 after three airings of 1 hour pgm to N.Am, noted today with a further airing; closed at 0501 still giving times as 8, 9, 10 pm EST (Hauser-TN 11/6). Botched time change maybe? -ed. 0210 EG, current events in Spain (Prath-FL 11/1); 0300 EG, "Voice of Spain", news, ID, tourist guide (Sandborn 10/13).
- 11900 AUSTRALIA RA; 1505-1730* EG, now good/excellent signals in N.Am. at this time of day (Hauser 11/6, Godfrey 11/5, Mackay 11/6, Hynes 11/9, Mayer 11/6).
- 11900 SOUTH AFRICA R. RSA; 2103-2320* EG (8 reporters).

- 11905v IRAQ R. Baghdad; 0330 AR, Iraqi versions of "Mrs. Robinson", "Wichita Lineman", "One Note Samba", good (George-TX 10/14); 0334-0400 AR, lots of ME mx, some tlk, chimes, ID, nx (Alvi 10/6); 0415-0435 AR, ID by female (Ponder 10/9); 0430 AR, M&W ancrs, ID, nx (Mackay 11/5). Heard on 11906.4 Nov. 16, but varies -ed.
- 11905 ITALY RAI; 0014 IT, operatic mx from Verdi (Leffler 10/16).
- 11910 ALGERIA RTA; 1437 FR, Arab mx (Bryan 10/23).
- 11910 HUNGARY RB; 1032 EG to Aust./NZ, nx mostly of Hung. (Mackay 10/23)
- 11915 ECUADOR HCJB; 0100-0421 EG, 0230 DXPL (7 reporters).
- 11915 MOROCCO VOA-Tangier; 2058 SC, nx by W (Bryan 10/23).
- 11920 IVORY COAST RTVI; 1950 EG, "Music At Your Request" pgm, ID, short nx and into FR (Miller 10/25); 2219 Vernacular, drama (Bryan 10/16 2326-0002* African pops, //4950, NA (Godfrey 10/12, Bogel 10/21).
- 11920 USSR "Mayak"; 0115 RS, 0130 ID, //11990 (Noonan 10/17).
- 11925 BRAZIL R. Bandeirantes; 2344-0010 PT, nx reports, Brazilian mx, ads, ID, time check, nx (Tiers 10/17, Brooker 10/26).
- 11925 NETH. ANTILLES TWR-Bonaire; 1130 EG, "Back to the Bible" pgm (Swanson 10/21); 0035 EG, "DX Special" (Taylor 10/13); 0130 EG, Thought For the Day, ID (Reed 10/16).
- 11930 CUBA RHC; 0322 EG, the history of Malagasy Rep. (Johnson 10/18).
- 11935 NORWAY RN; 1800 EG, "Norway This Week", poor (Zilmer 11/6).
- 11935 PORTUGAL RP; *0300-0330* EG to N.Am., nx, "Sun & Sea", orch mx (Sandborn 10/18, Blaize 10/21, Thompson 10/25, Stanziale 10/10).
- 11935 SRI LANKA VOA-Colombo; 1620+ EG, New World Symphony and pgm about Philadelphia Orchestra; fair (Mayer 11/6).
- 11935 UK RCI-Daventry; 1558-1559 EG, s/off anmts (Bryan 10/23).
- 11940 BELGIUM BRT; 1715 EG, ID and music (Mrowczynski 10/9).
- 11940 SINGAPORE RS; 1320-1323 EG, clear ID by M, letters or requests read by W; poor w/QRM from Moscow, Bucharest (Osterman 11/1).
- 11945 SEYCHELLES FEBA; 1536-1555 EG, world nx, "Asian Panorama" pgm, ID, mx, strong but BBC QRM on same freq (Alvi 10/10).
- 11945 SPAIN RNE; 0220 SP, Spanish folk dances (Bryan-CA 10/11).
- 11945 UK? BBC; 1255-1300* "English By Radio" pgm (Gionet 10/23).
- 11950 CHINA RP; 0135-0145 EG, mx, cmntry on atomic energy (Bohlke 10/29).
- 11955 PHILIPPINES R. Veritas; 1435 EG, nx, tlk about Philippines, ID (tent.), into unid lang. at 1500 (Miller 10/30); 1454-1500 EG, priest discusses Catholics in the Philippines and their educational development in the country (Bryan 10/23).
- 11960 ECUADOR HCJB; 0421-0435 SP, ballads, good (Earhart 10/25).
- 11960 ISRAEL IR; 0500-0515 EG, nx to N.Am., //5900, 7412 (Zilmer 11/7).
- 11960a MALI Rdf. Nat. du Mali; 1620-1625 FR, M tlk very fast, excellent signal (Bogel-CA 10/23); 1645 FR, long speech mentioning Mali several times, fair (Mayer 11/6); 1715-1800 FR, discussion, lots of African pop mx, ID at 1740, starting at 1725 het from TWR and wiped out by TWR sign/on at 1800 (Godfrey 11/6). Sundays only?-ed.
- 11965 BRAZIL R. Record; 0030 PT, network sports pgm; poor (Zilmer 10/27).
- 11965 FRANCE RFI; 1705 EG, "PCA", //11705, 11890, 11930 (Zilmer 11/6); 1920 FR, class mx, ID's, nx, talks (Thompson 10/25).
- 11965 PHILIPPINES VOA-Tinang; 1400 CH, tlk, mx, time tone (Bryan 10/23).
- 11985 ALBANIA R. Tirana; 1400-1415 EG, communist dialectics, //9500 (Hunt 11/4); 1607 SP, nx abt Carter, Zimbabwe (Bryan-CA 10/23).
- 11990 USSR "Rodina"; 0230 RS, is Vladivostok; opera mx (Bryan 10/11).
- 12000 USSR "R. Vilnius"; 2300-2330 EG, nx, cmntry, good (Brooker 10/24).
- 12005 EGYPT R. Cairo; 2140 AR, Arab mx, vocals (Bryan 10/24).
- 12015 CHINA RP; 0120 EG, violin mx, editorial, flutter (Mackay 11/7).
- 12040 USSR RM; 0249 EG, nx, is Armavir (Bryan 10/11).
- 12050 USSR RM; 0240-0258 EG, cmnt on USSR ice breaker (Thompson 10/22).
- 12060 USSR RM; 2028-2050 FR, re: S.Afr., Palestine (Hermann 10/22).
- 12070 USSR RM; 2020-2105 RS, "Rodina" into "Mayak" at 2100; ballad and soft rock, light mx (Fraser 10/16, Hermann 10/22).
- 13848.8 COLOMBIA R. Nacional de Colombia; 2000 SP, RCUSB, //11792 (AM) & 15333 (AM) (DLW 11/15); 2200 SP, 13868, vlass mx (Zilmer 10/24).
- 14529.8 CHILE R. Colo Colo; 2222 SP, RCSSB, L.Am. mx, fair (Blaize 10/21); 2320-2333 SP, LSB, heard "R. Nac. de Chile" & "R. Colo Colo" (Bogel 10/18); 2349 SP, LA pops, ID's as R. Colo Colo (Valko 10/15) They went back to higher power and LSB; lately seems to be ID'ing as "R. Nacional de Chile" -- what's going on? -ed.
- 15009v VIETNAM VOV; 1216 JP program with Viet music (Yajko 10/23).
- 15060 CHINA RP; 0000-0207 EG to N.Am. (6 reporters).
- 15105 FINLAND RF; 1300-1435 EG/FN to N.Am. (7 reporters).

- 15105 ISRAEL IBA; 1200 EG, nx, wx, ads, features (Zilmer 11/7).
- 15105 JAPAN RJ; 2009-0258 EG/JP (8 reporters).
- 15105 USSR RM; 2300-2311 EG, "News & Cmnty" (Whitehead 10/17).
- 15115 ECUADOR HCJB; 1400-1457 EG with "Morning in the Mountains" etc. (Fick 11/5, Bryan 10/23, Earhart 10/26).
- 15115 GERMANY E. RBI; 1200-1215 EG to Asia, nx (Fraser 10/10).
- 15115 GERMANY W. R. Free Europe; 2120 Bulgarian w/talks & the odd EL & pop selection; nx summary by M at 2130; sign/off ID at 2137 by W, then IS repeated twice; good (Hywarren 10/16).
- 15115 GUAM TWR; *2200-2241* EG, rel pgms (12 reporters).
- 15120 NIGERIA VON; 1800-1930 EG into FR at 1930 (5 reporters).
- 15130 CHILE VOFC; 2230-0230 EG & other langs. (13 reporters).
- 15130 NEW ZEALAND RNZ; *1800 EG, IS, ID, nx, under another station (Alvi 10/29); 0235 EG, nx, wx, ID -- where's Chile? (Sandborn 10/13); 0300-0330 EG, nx, wx, drama (Dawson 10/18).
- 15135 GERMANY W. DW; 1730-1745* EG, "Horizons" pgm (Mackay 11/5).
- 15140 SWITZERLAND SBC; 1330 EG, "Sunday Supplement" (Swanson 10/16).
- 15140 USSR RM; 1500-1620 w/RSP&P 1530-1600; all EG (Hermann 10/22).
- 15148.8 CHILE VOFC; 2320 EG, not //15130 (Gionet 10/18); 2346 SP & xmtr off (Mackay 10/16); 0120-0132 EG (Hascall 11/11, Berezowski 10/10). I thought would be 15130 after 0120 -- rather than here? -ed.
- 15155 SOUTH AFRICA R. RSA; 1850* GM (Alexander 10/8); 2230 EG, nx pgm to N.Am., replaces 11800; //9585, 11900 (Zilmer 11/7).
- 15165 DENMARK RD; 1610-1700 DN with usual EG amnt etc.; beamed to Greenland (Berezowski 10/8, Mrowczynski 10/26). Nice IS... -ed.
- 15175NF GUAM KTWR; 2228-2235 EG, religious pgm; caught IS at 2231 but mostly buried by R. Nederland on 15180 (Ravenhorst 11/13).
- 15175 NORWAY RN; 1159-1630 EG on Sundays; lbx (6 reporters).
- 15190 CONGO RTVC; 2045-0100* FR with EG at 2130 (9 reporters).
- 15210 FRANCE RFI; 1513-1517 FR, NA, EG ID (Bryan 10/24); 1515-1539 FR/EG, EG ID, EG nx (Clark 10/29); 1750 EG, weak & flutter (Sarrazin 11/6).
- 15210 USSR RM; 2330 EG, "Moscow Review" (Gionet 10/10).
- 15230NF BELGIUM HS relay to Africa 1800-2000, ex-15225, likely moved to avoid Tunis; Cuba covers but ID audible 2000 (Magne).
- 15240 SWEDEN RS; 1830 EG, nx reported by Al Simon, exc. (Plotnick 10/26).
- 15240 YUGOSLAVIA RB; 1530 EG, IS, ID by W, nx, fair (Taylor 10/10).
- 15266.4 BRAZIL R. Excelsior; 2238 PT, talk, ads, ID, suddenly off in middle of song at 2240 (Yajko 10/16).
- 15265 FRANCE RFI; though registered with ITU as operating here to N.Am. 1200-1705, no longer noted; only jammed IBA noted 1400+ on this channel, where did France go? (Magne).
- 15270 JAPAN RJ; 2300-0031 EG (6 reporters); 0150 JP (Edelstein 10/14).
- 15290 SYRIA SBC; 2018 AR, mx followed by talks (Leffler 10/15).
- 15305 SWEDEN RS; 1245-1255* EG, lbx, //15120, 21690 (Clark 10/9); 1400 EG, nx, "Panorma", "Sweden Calling DXers" (Taylor 10/25); 1400 EG, now plagued by co-channel QRM from Switzerland which for D77 has moved from 15430 to here at 1315-1515 (Hauser 11/6+); 1415-1428 EG, SCDXers #1452 (Hynes 10/18); 1415 EG, lbx (Prath-FL 10/23).
- 15315 SWEDEN RS; 1400-1407 EG, weak, //15305 (Zilmer 11/6, Mackay 10/16).
- 15325 BRAZIL R. Gazeta; 2230 PT, mx, mostly talks, frequent mentions of Brazil, QRM with 15330 (Tannenwald 10/16).
- 15345 TAIWAN VOFC; 0315 EG, lcl & Asian music (Bryan 10/16).
- 15349a LUXEMBOURG RTL; 1615+ FR, rock mx, Chicago and many others, M/DJ, weak but clear with slight het (Godfrey 10/29).
- 15360 MOROCCO RTVM; 1105-1130 AR, Arab chants and talks, QRM with Moscow's EG to S.S.E.As., //15330 (Cannon 10/23).
- 15365 AFGHANISTAN RA; 1115-1155 EG, talks & mx (7 reporters).
- 15425 AUSTRALIA ABC-Perth; 2350-0000 EG, nx with many local Australian items but no Perth ID or ABC amnt heard; poor (W.Smith-MA 11/2).
- 15440 FRANCE RFI; 1425-1500 FR, mx, talks, songs (Reed 11/8).
- 15460 USSR R. Tashkent; 1200 EG, nx, cmnt, //15115, 11730 (Zilmer 10/22); R. Rodina; 2045-2058* RS, into Mayak at 2100 (Hermann 10/10).
- 15485 USSR RM; 1445-1707 RS, //15455 pgms., class mx (Cress 11/1-11/7).
- 15520a BANGLADESH RB Overseas Svc.; 1203-1300 EG/Bengali, cmnty, editorials (Osterman 11/2, Onken 10/9, Mackay 10/8, Miller-MA 10/22).
- 15773a ALGERIA RA; 1500 FR, talks by W, poor (Pyatt-PA 10/25) sure of the FR? -ed.; 1700-1920 AR, talk, mx, audible all day long, has automatic 4-pip time sig on the hour, with last pip only slightly longer, and all the same pitch, mumbling ID's on hour (Hauser 10/14-10/20); 2015 AR, Arab mx, modulation level low, found on tip from

- Hauser-RCI (Blaise 10/30). Gone by early November, and I wouldn't be surprised if they managed to burn out something in their xmtr:—
- 17690 EGYPT RC; 1435-1657* unid lang; med. to strong (Mackay 10/16).
- 17710NF NEW ZEALAND RNZ; 0007-0038 EG, TC's, lottery numbers, big band mx, vocal groups; inimitable RNZ; faint (Pickard 11/7).
- 17720 USSR RM; 0010-0100* EG to N.Am. (Pickard 10/29, Thompson 10/26).
- 17765 RWANDA DW; 1200-1245* EG to Afr., nx, mx, fair (Zilmer 10/22).
- 17795 NORWAY RN; 1400+ EG Sundays, "NTW", News of King Olaf (Sandborn 10/9, Blaise 10/30); 1552-1605 NO, vocals, requests? (Bogel 10/26).
- 17820 CANADA RCI; 1550-2100 EG, GM, FR to Europe (6 reporters).
- 17825 VATICAN VR; 1505 EG ID into unid. S.As. lang., sitar (George 10/7)
- 17830 GREECE VOG; 1215-1230 EG, nx, //15345 (Hunt 10/30, Zilmer 10/30); 1545-1550* GK, Greek mx, M tlc, weak signal (Bogel-CA 10/26).
- 17830 SWITZERLAND SBC; 1530-1557 EG (Prath 10/9, Zilmer & Miller: 10/30).
- 17840 CZECHOSLOVAKIA RP; 1530-1605 EG (Miller & Zilmer 10/30, Bohke 10/17)
- 17840 VATICAN VR; 1110-1115* FR, rel nx M&W ancrs (Gionet 10/25).
- 17880 MALAYSIA BBC WS; *0000-0032, nx, LL for FE (Pickard 11/5).
- 17880 PORTUGAL RP; 1716-1730 EG into 1730 FR, politics (Alvi 10/23).
- 19860h COLOMBIA R. Santa Fe; 2135 SP, 4 x 4965, has been coming in well in several recent checks (Hauser-TN 10/25).
- 21460 BELGIUM BRT; 1305 DT, goodschappen pgm, //15210 (Zilmer 10/23); 1531-1545 FR, mx & simulated electronic mx 'talking' (Earhart 10/29).
- 21480 HOLLAND RN-Lopik; 1400-1520 EG to S. & SEAS., FE; Anita Bryant & homosexuals in Florida; "Happy Station" (Leffler 10/15, Zilmer 10/23). Several reporters have this as Madagascar, which it may be, but the schedule I have from the station shows Lopik here -ed.
- 21510 ITALY RAI; 1503 IT, calcio (soccer) game, Italy vs. Holland, //21655 (Leffler 10/15).
- 21520 SWITZERLAND SBC; 1315-1345 EG into 1345 GM, nx, cmntry, "Dateline Monday", feature on Swiss wine (Godfrey 10/10, Mackay 10/16).
- 21525 HUNGARY RB; 1330-1400 GM, music (C.Sherman 11/6).
- 21535 SOUTH AFRICA R. RSA; *1300-1550 EG to C.&E.Afr. (5 reporters); 1600-1650 EG to E.Afr. & ME, cmntry, mx (5 reporters).
- 21560 ITALY RAI; 1654 IT, Italia music, 1655 s/off (Pineault 10/15).
- 21570 HOLLAND RN-Lopik; 1530 DT, rel svc., //21635 (Zilmer 10/23).
- 21580 FRANCE RFI; 1430 FR, pop mx then interview with Star Wars tune as theme, //21620, exc. (W.Smith 10/29); 1509 FR, song sung in EG by W "Diamonds Are Forever" (Leffler 10/15); 1617 FR, talk by M about various car races; fair; //21620 much better (Hywarren 10/16).
- 21585 SWITZERLAND SBC; 1525-1658 PT/GM/FR, usual pgms., interference from RFI (Godfrey 11/3, Hywarren 10/16, Pineault 10/15, Noonan 10/30)
- 21590NF GERMANY W.? DW; 1225 IN, now here mixing w/Saudi (Hauser 11/6).
- 21590 SAUDI ARABIA BSKSA; 1445-1510 AR, Arab mx & vocals, ID 1501 and apparent nx; good signal, low modulation (Cress 11/7).
- 21670 CZECHOSLOVAKIA RP; 1455 EG to Pac. into 1500 CZ (Cohen 10/29).
- 21675 FRANCE RFI; 1522 FR, nx about Africa, Kinshasha (Leffler 10/15).
- 21700 CZECHOSLOVAKIA RP; 1430 EG to As., weekly review (Prath 10/30).
- 21700 PORTUGAL RP; *1500 PT, tones, ID, fair (Hywarren 10/9); 1524 PT, beamed to Brasilia, weak (Leffler 10/15); 1538 PT, virtually non-stop Port. instrumental mx (Frajer 11/4); 1757* FR (Jones 10/9).
- 21745 PORTUGAL? R. Free Europe; 1642 EG, pops in EG, ID; good with no jamming and little QSB (Hywarren 10/16). Somewhere I read that most of the xmtrs above 25m are in Portugal not Germany, but this is another one that doesn't divulge the true information -ed.
- 23470h USSR R. Atlantika; 1300 RS, mx, likely 2 x 11735 (Hauser 10/10).
- 23580h USSR R. Atlantika; 1300 RS, IS & ID, stronger than 23760, the two 'regular' harmonics up here lately (Hauser 11/6). Mayak IS noted at 1300, presumably 2 x 11790; by the way, on Moscow Mailbag same date, they translated "Mayak" as "Beacon" rather than "Lighthouse" which we have grown accustomed to (Hauser-TN 11/4).
- 23760h USSR RM; 1255 Nepalese into unid lang. at 1300; also audible on fundamental 11880 but much better on 23760. Site? (Hauser 11/4).
- 23820h HUNGARY RB; 1259 IS, 2 x 11910 (Hauser 10/8).
- 24780h ANTIGUA BBC WS; 2125 EG, 4 x 6195; stronger than Ascension-24020; when this is in DW-23730, 2 x 11865, usually is too (Hauser 10/25).
- 25605 ISRAEL Israel Radio; 1405-1441 unid lang., mx, vocal -- female singer; TC at 1430; poor signal; tnx Hauser (Cress 10/20); 1430-1520 RS, tlc, faded out at 1520; //17815, 21625 (C.Sherman 11/5).

That's it for this month. Look out for the annual December mid-winter peak on the high bands. Beaudacious 73's!

IMPORTANT: PLEASE NOTE THE NEW ADDRESS FOR ME.



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Thanks to 88 reporters this month! DX must be back, as you're reporting.

Larry ABRAHAM, Bridgeport, MI (HQ-180A)...Brian ALEXANDER, Mechanicsburg, PA (DX-160)...Jamil ALVI, Saskatoon, Sask, Canada (16HA-862P)...Ricky BAUM, Gainesville, FL (CRF-5100)...Robbie BEREZOWSKI, Calgary, Alta, Canada (Patrol man 9)...Gerry BISHOP, Christiana, PA (DX-160)...EV.Sandy BLAIZE, Metairie, LA (51J3)...Tom BLOSSOM, Austinburg, OH (SPR4)...Bill BOGEL, Santa Barbara, CA (FRG7)...Dale BOHLKE, St. Louis Park, MN (Zenith Transoceanic)...Mike BROOKER, Toronto, Ont, Canada (TFM-8000W)...Josephine BRYAN, Tracy, CA (FRG7) Albert CANNON, Jr, Wilmington, NC (HQ-100AC)...David CARTER, Shreveport, LA (HQ-100A)...William CLARK, Cherry Hill, NJ (FRG7)...Jon COHEN, Willingboro, NJ (FRG7)...Hadley CRESS, Harrisonburg, VA (HRO-500)...Murray DALRYMPLE, Sydney, NSW, Australia (R-390)...G.D. DAWSON, Sherwood Park, Alta, Canada (FRG7)...Richard DICKSON, Dilworth, MN (XCR-30)...Kenneth EARHART, Allentown, PA (FRG7)...Larry EDELSTEIN, Centereach, NY (SPR4)...Dean FICK, Lakeside, OH (DX-160)...Marlin FIELD, Hillsdale, MI (SPR4)...Barry FRAJER, New York, NY (DX-160)...Robert FRASER, Cohasset, MA (XCR-30)...Maurice GAGNON, Quebec, Que, Canada (SX-190)...Dan GALLAGHER, Denton, TX (DX-160)...Charles GEORGE, Dallas, TX (SSR1)...Onil GIONET, St. John, NB, Canada (SX-190)...Pete GRENIER, Azusa CA (FRG7)...Frank HERMANN, Kitchener, Ont, Canada (DX-160)...Charles HOFFMAN, Manheim, PA (FRG7)...Marshall HUNT, Cincinnati, OH (ICF-5900W)...Charles HUTCHINS, Rumford Pt, ME (NC-183)...Chris HYNES, Erie, PA (Zenith Oceanic)...Aaron HYWARREN, Winnipeg, Man, Canada (ICF-5900W)...Dale JOHNSON, Pinawa, Man, Canada (SB-310)...Jack JONES, Jackson, MS (DX-160)...Don KENYON, Butler, PA (FRG7)...Irving LEFFLER, Brooklyn, NY (SPR4)...Daniel LUCE, Austin, TX (BC348) Don MacKay, Newark, DE (SPR4)...Larry MAGNE, Philadelphia, PA (R4B)...Mildred MARSHALL, Devils Lake, ND (SX-122)...William MATTHEWS, Columbus, OH (Knight R-100A)...Publisher Alan MAYER, Park Forest, IL (SPR4)...Scott MILLER, Lynnfield, MA (FRG7)...Donald McCANTS, Trussville, AL (GE 10 band port)...Daniel McCARTHY, Kissimmee, FL (DX-160)...Timothy NOONAN, Milwaukee, WI (SW4A)...Toshimichi OHTAKE, Kamakura, Japan (FR-101S)...John ONKEN, Metamora, IL... Sydney OSTERMAN, Toronto, Ont, Canada (FRG7)...Neal PERDUE, Palkville, AL (HA-600A)...Bill PHILLIPS, Brewer, ME (XCR-30)...Wildor PICKARD II, Evanston IL (FRG7)...Andre PINEAULT, Ancienne-Lorette, PQ, Canada (FRG7)...Alan PLOTNICK, Hamden, CT (XCR-30)...Stephen PONDER, Fort Worth, TX (GC-1A)... George POPPIN, San Francisco, CA (FRG7)...John PRATH, Ft. Lauderdale, FL (DX-160)...Edward PYATT, Conway, SC (XG-30)...Editor Greg RAVENHORST, Hollandale, MN (R4C)...Tom REED, Bryan, OH (FRG7)...Bill SANDBORN, Savannah TN (FRG7)...Garry SAPOZNIKOW, Winnipeg, Man, Canada (FRG7)...David SARRAZIN, Denver, CO (NC-183D)...Brett SAYLOR, Altoona, PA...Clayton SHERMAN, Hoosick Falls, NY (SPR4)...George SHERMAN, Minneapolis, MN (51J4)...John SILLINGS, Cornwall, NY (SW-717)...Todd SMITH, Wilton, CT (GR-64)...Wade SMITH, Westport, MA (FRG7)...Thomas STANZIALE, Bloomfield, CT...Richard SWANSON, Wellman, IA (DX-160)...Leon TANNENWALD, New York, NY (SPR4)...Mitchell TAYLOR, Riverdale, GA (DX-160)...Glenn THOMPSON, Deming, NM (HQ-145A)...Robert THUNBERG, Dubois, PA (SSR-1)...Mike TIERS, W. Vancouver, BC, Canada...Dave VALKO Dunlo, PA (DX-160)...Robert WALLACE, Yokosuka, Japan (CT-9505)...James WHITEHEAD, Hixson, TN (FRG7)...Mike WILLIS, Hampton, Vic, Australia (Tric 9R59DE)...Frank WOLTMAN, Cambridge, WI (DX-160)...Robert YAJKO, Leechburg, PA (SPR4)...Robert ZILMER, Milwaukee, WI (SPR4)...Almost forgot Glenn HAUSER, Knoxville, TN (HQ-160/FRG7) again. Sorry, Glen. No, I don't have it in for you by forgetting you until the last every time!!!

NEW ADDRESS Please note the new address for me at the top of this page.

Work requires me to move 300 miles north for the winter months. This address applies until further notice, which will most likely appear in the March issue.

HELPING HAND ITEMS VANISHED from my QTH thanks to the handiwork of my 19-month-old daughter! So, if you sent a "Helping Hand" item to me before Nov. 15, 1977, and haven't seen it published yet, my girl has taken care of it. If you still want it published, send me another notice. Sorry about that, folks! "Helping Hand" items from John Marks & Ed Richezza will appear next month.

PA DXERS Anyone in the Lancaster County, PA area who would like to meet other area DXers should contact: Gerry Bishop, RD#1, Christiana, PA 17509. Well, my antenna is ready for the winter, the snow is on the ground, and now I'm going to a new QTH. Think I'll have a good cry. More work, 73's, *Greg*

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