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*P.O. Box 13
Liberty IN 47353*

North American SW Association

ROLL CALL!!!!



WELCOME TO 38 NEW MEMBERS DURING JUNE

- | | |
|---------------------------------------|---|
| BLOTKAMP, Lawrence J., Baltimore, MD | MILLER, Richard H., Jr., Weirton, WV |
| CAMPIONE, Joe., Jr., Springfield, VA | NOON, John T., Streator, IL |
| CASSIDY, Col. John A., Groton, CT | NOONAN, Dana, Minneapolis, MN |
| DILLMORE, Eugene M., Drexel Hill, PA | NORDQUEST, David A., Ashtabula, OH |
| ETULAIN, Mike, Warden, GA | PERDUE, Neal A., Falkville, AL |
| FICK, Dean, Lakeside, OH | PINCHUK, Robert, Cinnaminson, NJ |
| HANSON, Dean, Saudi Arabia | POWELL, Darlene J., Wilmington, DE |
| HINGA, Kenneth, Grand Rapids, MI | RAMON, Peter R., Glen Cove, NY |
| HOLLIMON, George, N. Hollywood, CA | SCHLOSSER, John C., Mancelona, MI |
| HOWARD, Ron, Santa Barbara, CA | SHANOR, Vic, Round Lake, IL |
| JASPER, Dr. William, Park Ridge, IL | SMITH, James P., Houston, TX |
| JINKINSON, Anthony A., Toronto, Ont. | STANLEY, Richard J., Siloam Springs, AR |
| KISSEL, Frank, Chicago, IL | STEADMAN, Robert, Milwaukee, WI |
| KOREN, James, Williamsville, NY | VICTERY, John B., Houston, TX |
| LEHRER, Dr. Arnold C., Westfield, NJ | WEEKS, Peter A.D., Fredericton, N.B. |
| LISTER, Tom, Gold River; B.C. | WEST, Joe, Logansport, IN |
| LOUGHEED, Kevin, Sherwood Park, Alta. | WILSON, Robert, Lloydminster, Alta. |
| MARSTON, Ted, Jefferson, LA | WIRSZ, Douglas, Surrey, B.C. |
| MIHAJLOV, Alexander, Chicago, IL | WOLFINGER, Kenneth R. II, Altoona, PA |

1977 MEMBERSHIP DIRECTORY: Serious consideration is being given to publishing an up-dated membership directory during August which would be current as of July 1, 1977. The 1976 edition was well accepted, so apparently there is interest in this sort of information.

If there is anyone who prefers that his name and address NOT be listed in this Directory, please notify HQ to that effect, and it will be omitted.

LAST CALL FOR "DXING ACCORDING TO NASWA", 1976 EDITION: We still have a few copies of Ed Shaw's popular DXing handbook at the current price of \$3.00 postpaid. The third revision has been completed and is at the printers now. This revised edition has a number of new features and includes photos and reviews of fifteen of the more common receivers in use. The chapter on antennas has been expanded to cover the subject more thorough. Due to the expanded use of photos and increased number of pages, the cost of the third edition will be \$4.00 postpaid in North America. We are not ready yet to take advance orders, but watch FRENDX for further announcements.

MID MONTH DX HOTLINE TO RESUME: The mid month edition of DX Hotline will resume with a mid August edition being published with Tom Alleman, Kansas City, Missouri as the new editor.

We had discouraged renewals and new subscriptions while DXH was temporarily discontinued. Now that the matter has been resolved, anyone wishing to renew or subscribe should do so now in order to receive the mid August issue. DXH is \$3.00 in North America and \$5.00 elsewhere by airmail for twelve issues.

Publisher Mayer is in the process of extending expiration dates on those subscriptions which had not expired so that everyone will get the twelve issues they paid for.

NASWA

A REPORT FROM
HEADQUARTERS

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

RUSSIAN REPORTING GUIDE: The Japanese Association of DXers, P.O. Box 1766, Tokyo Central, 100-91 Japan are offering a seventeen page "Russian Reporting Guide" written in English with Russian phrases and key words. Send 3 IRC's for surface mail or 4 IRC's for airmail. This might be very helpful to those serious DXers wanting to report to the regional stations in their local language. Send orders direct to the Japan address.

MORE ON DX HOTLINE: In the item on the preceeding page, which was written some time ahead of this page, we forgot to mention that with the return of DXH, all contributors to that section should begin to send their items to the new editor immediately so he will have some basis for the material for his first edition. Send them direct to Tom Alleman at the address given, not to the distributing editor for the Log Report items.

INFORMATION ON AFRICA RADIO STATIONS WANTED: Gerry E. Wood, DX Editor for Radio RSA makes an urgent plea for DXers and SWLs to dig into their records and let him have copies or details of anything they have on Africa radio stations. Send to or contact G. E. Wood, P.O. Box 4559, Johannesburg, Republic of South Africa.

It is not often a radio station request assistance from radio listeners and it would be nice to say, that DXers and listeners are as responsive, when requested to be, as radio stations personnel are with QSL's, pennants, booklets, etc. Let's help Gerry out if we can.

RADIO KOREA LISTENER SURVEY: The Korean Short-Wave-Listener Association will be conducting a survey on the reception conditions of Radio Korea which is the overseas service of the Korean Broadcasting System.

Anyone interested in participating in this survey can write to The Korean Short-Wave-Listener Association, P.O. Box 1637 Central, Seoul 100, Republic of Korea and request their survey packet. A few copies were sent to NASWA HQ and these are available on a first come, first served basis for a SASE.



NASWA DECAL: Quite a number of new members have joined NASWA since our decal offer was announced some time back and may not be aware that it is available. The decal as shown at the left is three inches in diameter, in three colors, and is suitable for any interior or exterior application. These are available from HQ for \$1.00 each plus .25¢ postage and handling. Additional decals may be ordered at the same time without extra handling charges.

IF YOUR FRENDX IS LATE: Apparently we still have a few problems with our addressing equipment in Park Forest and some may not be receiving their copy of the monthly FRENDX and we won't know about it unless advised. The usual mailing date for FRENDX is the first Saturday in each month. This being the case, everyone should have their copy by the following Saturday at the latest. Anyone not receiving his/her copy by that time should let us know and another copy will be sent.

73's

M. R. Leonhardt
M. R. Leonhardt
Executive Director

HELPING HAND: For sale. Brand new Yaesu FRG-7, two months old, used less than 100 hours. Includes Gilfer filter. \$250.00 plus shipping. Contact Richard E. Schwartz, 808 Townsend Blvd., Towne Point, Dover, DE or call 302/674-2018.

HELPING HAND: For sale. R-390A/URR receiver, in excellent mechanical and electrical condition. Includes CY-979/URR cabinet and technical manual. \$600.00 including delivery within 150 mile radius of Indianapolis. Contact Charles A. Taylor, 936 N. Temple Avenue, Indianapolis, IN 46201 or call 317/638-4166 0100-0300 GMT weekdays or 1300-0300 GMT Saturdays.

shortwave CENTER

JERRY A. LINEBACK, EDITOR
P. O. BOX 325
ST. JOSEPH, IL 61873

JULY 1977

Welcome to another issue of FRENEX. We hope you will find this issue informative and useful. Remember that all material for the special antenna issue must be here, to Shortwave Center, by 15 July.

SOLID STATE POWER

HOW TO PUT SOMETHING SOLID INTO OLD RECEIVERS
SOLID STATE, THAT IS

Replacing vacuum tube rectifiers with silicon diodes
by James B. Wilson, Jr., Lincoln Nebraska

Those of you with older receivers might want to undertake the conversion of your vacuum tube power supply to solid state. Most of the older receivers used 5U4, 5V4, etc. vacuum tube rectifiers in the power supply. Not only do these generate a lot of heat, they have very poor regulation, because at higher currents the voltage drop across them is greater. This means less available voltage is going to the rest of the receiver.

There is a very simple modification that you can do which costs less than \$1. That's right, just one dollar. Just drop down to your local electronics supply, or order from Polypaks or similar, and purchase two silicon diodes rated at one (1) ampere forward current and 1,000 volts PIV. These will be over rated for our application, but they should last forever, which is significantly better than our vacuum tube!

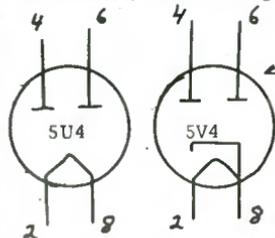


Figure 1: All other pins have no connection

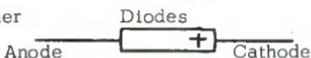


Figure 2:



Schematic symbol

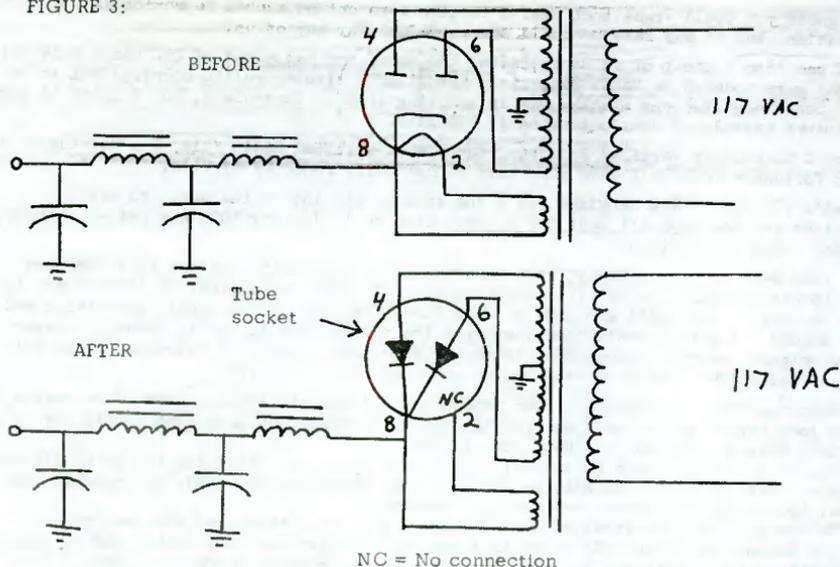
Figure 1 shows the base diagrams for the 5U4 and 5V4, other diode tubes are similar. If you happen to have a different rectifier, look it up in a tube manual or better yet consult the schematic diagram of your receiver. In the diagrams shown, pins 4 and 6 are the plates or anodes of the rectifiers. Pin number 8 is the cathode for both diodes.

In order to accomplish this modification you should first off remove the tube from its socket and store it for a later day or discard it. Next turn over the receiver to view the bottom of the socket. The pins are numbered in order clockwise from the indentation in the center hole, from one through eight. Some sockets may even have the pins labeled. The silicon diodes will also be marked with either a painted band on one end or a + symbol. This is shown in figure 2. The marking, whatever it may be, indicates the cathode lead. The cathode leads of both diodes will be connected to pin 8 on the tube socket by use of your trusty soldering iron and rosin core solder.

The other lead of one diode is connected to pin 4 and the remaining diode's lead is connected to pin 6 (see figure 3). This will complete the conversion to a solid state power supply! The advantages are numerous. No more energy wasted to heat up that filament. Better power supply regulation due to the constant voltage drop across the silicon diodes. Plus they will virtually never need replacement. All of this for less than one dollar.

A schematic diagram of before and after is shown in figure 3. This is representative of many power supplies used in older receivers. So don't just sit there get out that soldering iron and get rid of that hot, inefficient, vacuum tube rectifier!

FIGURE 3:



NC = No connection

QSL REJECTION

I'VE BEEN REJECTED

by Al Sizer, North Haven CT

All DXers, including yours truly, like to boast a little bit about QSLs they have received, but whoever mentions reception reports which have been rejected?

And yet we all have them. Before you hasten to the typewriter to send in your denial, consider this --- how many of the reception reports that went unanswered actually meant that the station was, in fact, rejecting them? Perhaps not many, but the possibility is there.

For this article we have kept pride firmly in check and are telling about rejections we have gotten, in the hope there are some lessons here that may benefit others. And the momentary humility may do us some good too.

QSL rejection talk among DXers inevitably leads to the most famous rejecter in shortwave annals, the esteemed Chief of Information, ~~C~~ Broadcast for Radio Tanzania Zanzibar, the honorable Omar M. Omar. Omar hasn't been heard from in recent years, but in his heyday he managed to put the chill on some of the top pros in the DX field who were seeking to add Zanzibar to their lists of countries verified.

To date, we know of no single instance where a DXer has gotten a QSL direct from Omar or Radio Zanzibar.

Omar's letters were classics. In fact, we once facetiously suggested they be assembled, bound in buckram, and distributed as a very exotic DX Christmas present under the title: "The Collected Letters of Omar M. Omar".

The exasperating thing about Omar was that he was polite, friendly, and perfectly willing to verify your report. He just couldn't, that's all. "Just couldn't" translated in knowledgeable DX minds to the fact that in politically dangerous Zanzibar with its xenophobia, Omar just didn't have the clout to oblige a foreign favor asker without higher approval, and that he couldn't get.

In the meantime, Omar promised and promised, and none of it ever materialized. My last correspondence with Omar dates from 1972. The text, varying little from DXer to DXer, was as follows:

"I have the honour to acknowledge the receipt of your letter dated 6th March 1972
 "Perhaps you would be pleased to hear that steps are not being taken so that to
 an able (sic) us to confirm of your report and as a result of which you will be let
 known."
 Sincerely yours, Omar M. Omar
 Chief Information and Broadcasting.

I guess you could argue that Omar's tactics were not so much a rejection as procrastination, but at any rate he could never produce for any of us.

At one time a group of us DXers raised the money and had a set of QSL cards made for Omar that were modeled on Radio Tanzania's (Zanzibar's titular ruling country) but to no avail. Some suggested our mistake was in modeling them on Tanzania's, but I think it was just another example of Omar's xenophobic timidity.

No, I have never verified Zanzibar, but I have verified Radio Vila, New Hebrides. And that is fortunate because I have also been emphatically rejected by Vila.

Let's face it -- New Hebrides isn't the easiest station in the world to hear in Connecticut and the report I sent for my reception on 16 January 1975 was rather sketchy, but I had heard the station.

A year went by and no reply, so I managed to log the station better this time and filed another reception report for reception early in 1976 and another on 12 February 1976. Within a month a full data QSL came in from Darryl Fallow, senior studio technician and then a second. I still hadn't come down from the clouds when in April, about 15 months from my original report I received a letter of rejection from P. L. Salemallo, title not given, of Radio Vila. Salemallo thanked me and then went on to wit:

"Unfortunately, on comparing your report against our station log book, I am unable to confirm your report as you have not provided us with sufficient programme detail for us to be certain that you did in fact hear our station.

"In the future it would be helpful if you could list the Title and Artist of discs which are played over at least a 10 minute period of our transmission. This is probably the best way to ensure that we can confirm your report.

"In the past we have insisted that QSL cards will only be issued when we are satisfied beyond any reasonable doubt that our transmission has been heard, and in fairness to those DXers and Shortwave Listeners who have already qualified for the issue of our QSL card, we insist on the same standard from others.

"I hope that this letter will not be too much of a disappointment to you, but hope that sometime in the future we will be able to send you our QSL card."

Part of the above may surprise some DXers who have not believed that radio stations keep such detailed program logs. Apparently most do not, but a few do. One other that comes to mind is the Falklands Islands Broadcasting Service. This is valuable to know because if you are lucky enough to hear such a station you may be able to verify it on the strength of one selection heard at a specific time. (I know of a FIBS verie like this.)

Numerous DXers have received rejections from Radio Peking in trying for veries of regional stations. Peking succinctly informs everyone it does not verify regional stations broadcasting non-international transmissions. Most DXers' rejections involve trying to verify Tibet and Manchuria, countries on the NASWA list, but no one has been successful. At least one DXer has verified a Hindi broadcast from Lhasa, but only by frequency, that is no transmitter site was mentioned.

Personally, we have received no such rejections from Peking. We have sent our reports direct to Lhasa and Harbin and have never received an answer which amounts to a rejection.

Finally we arrive at Radio Moscow. Radio Moscow has sent out more than its share of rejections in its day and most of us have received some of these. They can take the form of outright refusal or simply failure to list a transmitter site. But Moscow's rejections should be taken with the attitude, "if at first you don't succeed, try, try, etc." for Moscow is not always consistent, praise be.

They may tell you in one letter that they do not verify programs not beamed to your area of the world, or not in your language, or not unless you report in the language heard, but then turn around and sent QSL cards for some of these programs next time around. And what one verie signer may not do, a different one may.

If there is a key to this inconsistency it lies in maintaining good relationships with Moscow, reporting consistently and in detail even when you suspect the transmitter sites are not new, sending questions for Moscow Mailbag and being friendly. This policy may make the difference between acceptance and rejection.

Don't ever grow careless or take things for granted with Moscow, take this example ---

Although there are blanks on Moscow report forms for SINPO code, type of receiver and kind of antenna, we had decided some while back that this information was not really essential or meaningful to Moscow and we had been leaving it out, and getting QSL cards. Lo and behold came from Senor Andres Leon of Moscow's Latin American Service saying that a number of our Spanish reports were perfectly correct, but he could not send QSL cards because we had omitted SINPO code, type of receiver, and antenna. He said this data was valuable to Moscow. Leon's rejection hurt because we had an idea these reports involved some new transmitter sites. But we had only ourself to blame.

Other rejections could be mentioned, but we've listed enough to make a couple of points. Details are important and so is persistence. Being polite and friendly reaps dividends. And it doesn't pay to grow careless or complacent because the business of reporting and receiving QSLs is not cut and dried and is never to be taken for granted.

DX-40

A GOOD LOW-COST PORTABLE

by R. N. (Jeff) Jefferson, Riverside CA

I would like to add a note to the comments of Larry Magne on the Radio Shack Realistic DX-40 in his article on the Sony ICF-5900W in the March issue of FRENEX. Larry said that the casual SWLs might prefer to buy the DX-40, "a conventionally designed set that does a decent job at a modest price".

The DX-40 could also serve as a backup receiver for those of us of modest means who have only one receiver such as the SSR-1. I received the March FRENEX while my SSR-1 was in the shop and I was feeling frustrated, so I went to my local Radio Shack store and bought one. I was very pleased.

The DX-40 has a jack for an external antenna. Using my outside antenna, I was amazed at the results. Sensitivity was excellent and selectivity was not bad either. There is no linear readout, of course, but the fine tuning works quite well. To get a more accurate reading on the position of the dial pointer, I glued a millimetre scale cut from a plastic lab ruler to the bottom of the dial.

An external antenna makes a tremendous difference in this set, I would not recommend using the receiver without one unless you are content to pick up only the strongest stations such as VoA.

The SSR-1 is listed as a portable, but I have never felt like taking it along on weekend camping trips. But the DX-40 is really portable. I have tried it out in our camper. I used a piece of plastic covered stranded wire about 30 feet long as an outside antenna. This went out the cab window and then was taped around the top of the camper. Results were great. So from now on I am taking the DX-40 on our weekend camping trips.

(Editors Note: Specifications for the DX-40, from the Radio Shack catalogue are; 4-band, MW, FM and SW-1 (4-12 MHz), and SW-2 (12-22 MHz), tone control, built in SW antenna, external antenna jack, earphone jack, automatic AC to battery switching, with AC cord, 12x7 1/8x3 2/3 inches, uses 4 "C" cells, shortwave fine-tuning, price in catalogue \$49.95)

World Wide DXer

WORLD WIDE DX AWARD

by Roger N. Peterson, New Canaan CT

I have just mailed in copies of my logs to NASWA Awards Chairman, Dan Henderson, to apply for the World Wide DX Certificate. My log shows 61 countries heard and 52 verifications. It's been a lot of fun and a lot of hours but the sense of accomplishment is great at least to a SWL beginner.

I sent in my first reception report in October 1976, after I started using my brand new Drake SSR-1 receiver, but I really did not go after it seriously until December when I aimed at the European Award. While waiting for QSL cards to come from Europe, I wandered around the dials some and began to get a trickle of cards from other Continents as well. I credit Listener's Notebook with giving me the information necessary to find the stations and the QSL Report of FRENEX with guiding me on which stations to try reporting to. In fact, I don't see how anyone could log fifty countries and get fifty verifications without the help of FRENEX - at least not in the time it took me.

In analyzing my verifications, I find that more than half (27) came back to me in one month time or less. And this included some real far off places like New Zealand, Kuwait, Peking, and Papua/New Guinea. So take yeart you DXers! Those QSL cards will come. The longest time for a reply, so far, was Bulgaria - over 4 months. A few will probably never come in. Ethiopia, for example, had an uprising in their government right after I sent them a report. Argentina, I gather now, is not a reliable verifier. But I still have hopes for Poland and Yugoslavia.

During the course of my tuning and listening, I became acquainted with a number of interesting stations which I now listen to regularly. That is one of the rewards of trying for a DX award. For those of you just starting, the trail to an Award probably looks long and difficult, but believe me, you seem to accelerate as you go along and what's more, you have fun all along the way.



SPECIAL feature



QSL

WHICH SHORTWAVE STATIONS VERIFY REPORTS?

by John Tuchscherer, Neenah WI

(Editors Note: John has compiled a "White List" of stations that send verifications after receiving reception reports. The data was collected from QSL reports in FRENDX, SPEEDX, DSWCI, and ADXCI. It is presented in the hope that NASWA members will find the information useful.) This list is for Latin American Stations.

COUNTRY/Station and Frequencies (kHz)	QSL		Pennant	Language of Report		Elapsed Time
	Card	Letter		Local	English	
ARGENTINA						
LOL time station - 15000	X			X	X	23D, 1M
RAE 9690, 11710	X		X		X	20D, 112D
R. El Mundo. 6120, 11755	X			X		44D, 3M
R. Nacional Mendoza 6120		X		X		58D
R. Splendid 11880, 9740, 5985	X		X	X		6W, 3M
BOLIVIA						
La Cruz del Sur 4875	X		X	X		3W, 5M
R. Altiplano 5045	X			X		3W, 12M
R. Beni 4990	X		X	X		30D
R. Nacional 5973		X		X		1M
R. Fides 4745		X	X	X		4W, 6W
R. Nueva America 4795		X	X	X		28D
R. Nacional de Bolivia 4785		X		X		5M
R. Em. Bolivia 4755		X	X	X		87D, 1M
Paititi Rdif. 4424		X		X		2M
R. Mamore 4602		X		X		1M
R. Panamericana 6035		X		X		18D, 4M
R. Movima 4467		X		X		2M
R. Progreso 6005	X	X		X		1M, 3W
BRAZIL						
R. Nacional de Brasilia 11780 15245	X		X	X		16D, 48D
R. Rio Mar 9605	X			X		26D, 30D
R. Jornal do Commercio 15145	X	X	X	X	X	10D, 28D
R. Nacional Sao Paulo 6125	X		X	X		2M
R. Roraima 4840	X			X		9W, 5W
R. Bandeirantes 9645, 11925	X		X	X		7W, 5M
R. Aparecida 9635, 5035	X		X	X		1M, 5W
R. Sociedad de Feira 4765	X		X	X		5W, 76D
R. Clube de Pernambuco 11865 6015	X			X		8W, 6M
R. Globo 6035	X			X		1M, 4M
R. Itatiaia 4805		X		X		6M
R. Super Medellin 5950		X		X		10M
R. Anhanguera 4915		X	X	X		1M
R. Maua 9705, 11885	X	X		X		2W, 1M
R. Cultural 17815, 9745		X		X		2M
R. Guaiba 11785		X	X	X		18D, 6W
R. Cultural de Bahia 9593		X		X		2M
R. Tupi 11765		X		X		6W
R. Brasil Central 4985	X	X		X	X	5M, 4W

	Card	Letter	Pennant	Local	English	Elapsed Time
R. Cultura de Cuiaba 5055		X		X		1M
R. Cultura de Pocos 9645		X		X		6W
R. Caiari 4725		X		X		1M, 2M
R. Educadora Palmares 3245		X		X		3M
R. Min. Ed. 11950, 9770, 5990		X		X		7W
R. Borborema 5025	X	X	X	X		1M, 38D
R. Alvorada de Londrina 3335		X		X		2W, 3W, 5W
A Voz do Sao Francisco 4946		X		X		37D
R. Record 6055, 11965		X		X		5W
R. Educadora Uberlandia 3295		X		X		19M
R. Olinda 3285		X		X		2W, 6W
R. Guaraju 5975	X			X		24W
R. Dif. Taubate 4925	X			X		6W
R. Congonas 3385	X			X		42D
R. Capixaba		X		X		14D
Voz de Oeste 4775		X		X		55D
R. Timbira 4995		X		X		15D, 25D
R. Gaucha 11915	X		X	X		19D
R. Clube de Marilia 3255		X	X	X		5W
R. Inconfidencia 6000		X		X		2M
R. Poti 4935		X	X	X		5W
R. Cultura de Araraquara 3365	X			X		3W
R. Gazeta 3325		X	X	X		5W, 6M
CHILE						
R. Dimension 9650		X		X		1M
Voz de Chile 15350, 9560		X			X	60D, 1M
R. Presidente Balmaceda 9590	X					27 to 48D
R. Universidad 6135		X	X	X		21D to 2M
R. Minería 9750		X		X		18D, 9W
R. Calama 6100		X		X		1M
R. Diego Portales 9570		X	X	X		18D, 1M
COLOMBIA						
R. Sutatenza 5075, 5095	X		X	X		3M, 151D
R. Nacional 9635, 4955	X		X	X		60D
R. Santa Fe 4965	X		X	X		1M
La Voz del Llano 6115	X	X	X	X		3W, 3M
La Voz de los Centauros 5962, 5990	X	X	X	X		3W
R. Super 6065	X		X	X		2W, 75D
Em. Nuevo Mundo 4755	X		X	X		12D, 28D
Ondas del Meta 4885		X		X		14D, 34D
Voz de Tolima 6040	X		X	X		14D
R. Continental 6125		X	X	X		16D, 1M
R. Nieva 4855		X	X	X		20D
R. Bucaramanga 4845		X	X	X		12D, 5M
R. Vision 6105		X		X		3W
R. Guatapuri 4915		X	X	X		2W-124D
La Voz de Cali 6121		X		X		4W
La Voz del Huila 6150		X	X	X		6M
Meridiano 70 4925		X		X		3M, 1M
Em. Ondas del Ortegua 4975		X	X	X		7W
La Voz de Maria 4775		X		X		30D, 15D
La Voz de la Selva 6170		X	X	X		30D
La Voz del Ginaruco 4865		X	X	X		17M
La Voz del Tolima 6040		X		X		12M
Ecos del Atrato 5020		X		X		15D, 7M
La Voz de Caqueta 5035		X		X		3W, 2M
R. Colosal 4945		X	X	X		1M, 3M
R. Cinco 5040		X		X		1M, 2M
R. SurColombiana 5010		X		X		7M, 3W
Em. Nueva Granada 6160		X	X	X		3M, 17D
COSTA RICA						
R. Casino 5955		X	X	X	X	12D, 26D
TIFC 9645		X	X	X	X	3M, 14D
R. Capital 4832		X			X	1M, 2W
R. Reloj 6006		X	X	X		2M, 2W
DOMINICAN REP.						
La Voz de la Fuerzas Armadas 4825	X	X	X	X		19D, 100D

		Card	Letter	Pennant	Local	English	Elapsed Time
R. Clarin	4850, 11700	X		X	X		1M, 39D
R. Mil	4930	X			X		10D, 26D
RTV Dominicana	9505	X		X	X		3W, 24D
Voz del Papagayo	5030	X			X		8W
R. Cristal	5010	X			X		2M, 41D
ECUADOR							
R. El Mundo	4755	X		X	X		15D
HCJB	Many	X		X	X	X	20D, 9W
R. Quito	4923	X		X	X		13D, 39D, 167
R. Casa de la Cultura	4930	X			X		1M
R. Luz y Vida	4826	X		X	X		3M, 23D
R. Rio Amazonas	4870		X	X	X	X	3M, 4M
R. Paz y Bien	4820			X	X		1M, 7W
R. Cenit	4772		X	X	X		114D
La Voz del Napo	3280		X		X		11M
Emisora Gran Colombia	4910		X	X	X		21D, 11D, 2M
R. Federacion	4960		X	X	X		45D, 90D
R. Pastaza	3315		X	X	X		1M, 7W
Escuelas Radiofonicas Populares	3985		X	X	X		1M, 7M
R. Zaracay	3390		X	X	X		60D, 25D
R. Centinela del Sur	4890		X	X	X		7W, 3W
La Voz de la Rio Tarqui			X		X		1M
Ondas Quevedanas	3325		X	X	X		10M
R. Iris	3380		X	X	X		20D, 1M
R. Centro	3515		X		X		7W
R. Splendit	5025		X	X	X		3W
CRE Guyaquil	4765		X	X	X		5M
GUATEMALA							
TGNA	3300		X	X	X		2W, 16D, 6W
La Voz de Nahuala	3360		X		X		3W, 9M
R. Maya	3325		X		X		3W, 1M, 279D
R. Tesulutlan	4835		X		X		1M, 7W
R. Mam	4825		X	X	X		33D
R. Chortis	3380		X	X	X		3W, 5W
La Voz de Atitlan	2390		X		X		5W, 6W
GUYANA							
R. Demerara	3265		X			X	10D, 1M
GBS	3290			X		X	73D, 12D
HONDURAS							
HRVC	4820		X			X	8D, 15M
R. Suyapa	6125		X		X	X	15D, 21D
La Voz del Junco	6075		X		X	X	15D
R. Juticalpa	4780		X	X	X	X	22D, 2M
R. Progreso	4920		X	X	X	X	11D, 2M
R. Swan	6185		X		X	X	1M, 15D
R. Lux	4890		X		X	X	5W, 4M
PARAGUAY							
R. Nacional	6025		X		X		20D, 13M
R. Charitas	6110		X	X	X		3W, 16D
PERU							
R. Nacional	6082		X	X	X		2M
R. Inca	4762		X		X		2M
R. Madre de Dios	4950		X		X		16M
R. Onda Imperial	5055		X		X		30W
R. Union	6155		X		X		18D, 6W
R. Arequipa			X	X	X		2W, 1M
R. America	3240		X		X		73D
R. Tingo Maria	4760		X		X		7M
R. Quillabamba	5025		X	X	X		5W, 1M
R. Fides	4845		X	X	X		200D
R. Atlantida	4900		X	X	X		25D, 87D
R. Nacional	9562		X	X	X		15M
R. Andina	4995		X	X	X		14M, 6W
R. Panamericana	5980		X		X		104D, 5M
R. Santa Rosa	6045		X		X		14D, 10W
R. Andahuaylas	4840		X				108D

		Card	Letter	Pennant	Local	English	Elapsed Time
R. del Pacifico	9675	X	X	X		X	6M, 92D
La Voz de la Selva	4825		X	X	X		2W, 1M
R. El Sol	5970		X	X	X		6W, 8W
URUGUAY							
R. El Espectador	11835	X		X	X		27D to 9M
R. Ariel	6075	X		X	X		4M
La Voz de Melo	6055		X		X		6W
R. Sarandi	9515		X	X	X		2M
R. Carve	6155		X	X	X		8W, 15D
R. Libertad Sport	6045		X		X		3W
VENEZUELA							
R. Barquisemeto	9510, 4990	X		X	X		1M, 73D
R. Juventud	4900	X		X	X	X	28D, 84D
R. Lara	4800	X		X	X		1M, 2M
R. Universo	4880	X		X	X		25D, 2M
R. Rumbos	4970	X		X	X	X	41D, 8M
YVTO time station	6100	X		X	X		30D, 5M
R. Los Andes	6010	X		X	X		10D, 55D
R. Yaracuy	4940	X		X	X		60D, 16D
R. Continente	5030	X		X	X		2M
R. Universidad	3395		X		X		6M
R. Mundial	5050		X		X		3W, 34W
Voz del Tigre	3255		X		X		99D
Ecos del Torbes	4980		X	X	X		2M, 4M
Voz de la Fe	4930		X		X		3W
R. Bolivar	4770		X	X	X		21D
R. Occidente	3225		X		X		1M
R. Trujillo	3295		X		X		10W
R. Nacional	15390		X		X	X	41D
Rdif. Venezuela	4890		X		X		47D, 52D
R. Maturin	5040	X	X	X	X		24D, 30D
R. Capital	4850		X		X		12M
R. Coro	4950		X		X		20D
R. Puerto Cruz	3365		X	X	X		10M
Ondas Panamericanas	3215		X		X		20D
R. Mara	3275		X	X	X		9M
R. Tropical	4870		X	X	X		7W, 98D
R. Tachira	4830		X	X	X		6W, 3M
R. Carora	4910		X		X		3W, 44D
R. Maracaibo	4860		X		X		3W
R. Turismo	6180		X		X		7M, 5M
La Voz de Carabobo	4780	X		X	X		1M
R. Angostura	6120		X	X	X		43D
R. San Sebastian	6070		X		X		2M
R. Sucre	4960		X		X		4M

Defending Sir 1

IN DEFENSE OF THE SSR-1

by Roger N. Peterson, New Canaan CT

The article questioning the future of SIR-1 in the May FRENEX SWC should be answered by those of us who are satisfied with the set's performance. I have owned and operated the SSR-1 for a little over a year and have had excellent results. It has pulled in over 70 stations (that I can identify) and most receptions have been good enough for a QSL card (over 60 verifications).

Two receivers can only be compared when placed side by side using the same antenna. Therefore I can't say that the FRG 7 is as good, better, or inferior; or that the old standby SPR-4 isn't better than both. But the editors of Popular Electronics in their June issue reviewed the Frog and reported that, while it was a good set for the money, it did have some serious flaws. In my opinion, the same publication's review of the SSR-1, a few months ago, was more favorable.

I'm sure that the SSR-1 is just the beginning of the new generation of receivers and one of these days all of us SSR-1, FRG 7, and SPR-4 owners are going to trade our sets in for improved models. Digital readout at moderate cost? I'm for it, meanwhile, three cheers for the SSR-1.

Upper Volta

RADIO UPPER VOLTA

by Charles Wooten from the ORF SHORT-WAVE PANORAMA program, 1 May 1977

Despite a power of 20 kW, the shortwave outlets of Radio Upper Volta are seldom listed in European DX magazines.

The importance of radio in this country (Upper Volta) is very different to what we are used to in Western Europe. Out of a total of 106 hours of programming a week, less than a third is musical entertainment . . . with the majority of the output being educational and informational. Because of the poor soil and dry climate, the farmers need all the advice they can get about when to plant and harvest the crops. But the most important resource is labor and Radio-Television Upper Volta often carries information as to the availability of work on more fertile farms in Ghana and the Ivory Coast during the harvesting times. For those who stay behind, though, and Upper Volta has over 6 million inhabitants, radio is very much a group activity.

Evening broadcasts carry a great deal of economic and political news, and villagers usually listen to these in groups of about 5 to 10 people. These 'Listener's Clubs' are then invited to send in their comments to the radio stations, and the points raised in these letters are then used in future editions. This is in complete contrast to Western Europe where figures show that most people listen to the radio by themselves, and in the main, this is for news and entertainment rather than political discussions.

The people come from many different tribes, and apart from the main official language, which is French, the government recognizes the existence of 13 tribal minority languages. Thus, Radio-Television Upper Volta broadcasts in no less than 14 different languages - quite an achievement when one considers that the total staff is just over 81 employees, of which 27 are free-lance contributors. French, though, remains the common language amongst the tribes and is used for administrative purposes and well over half the radio programs are in it.

These are all produced in four studios located in the capital Ouagadougou, a large city of just over a quarter of a million inhabitants. The tribal background of most of the inhabitants, though, means that folk music is still popular, such as the type played on the "balafon" which is used on the station sign-on in the morning.

Upper Volta is one of the few African states which has a television service, though this is confined to the capital, Ouagadougou. Nevertheless 4,000 television receivers are already in service and there are plans to increase the present 12 hours of broadcasting put out per week.

The radio service owns and operates 3 transmitters: One mediumwave transmitter and two shortwave. Because of the central location of the capital, the mediumwave transmitter on 746 kHz can cover most of the country with its power of 100 kW. But for the northern and southern area two shortwave outlets on 4815 kHz and 7230 kHz go on the air at different times during the day. The 60 meterband outlet on 4815 would be the best one to try between about 2100 and sign-off at midnight GMT. Programming will be in French and look for news bulletins at 2215 and 2255 GMT. Just before sign-off, too, you can hear the national anthem, which is very easy to recognize.

AFRTS

AFRTS-WASHINGTON

by Louis Goldstein, Grove Hall MA

As a result of the U.S. Government realizing the needs of our servicemen in WW II, AFR was formed. Armed Forces Radio was one of the prime sources of entertainment for our men fighting overseas. All the networks in the States cooperated and in the beginning brought many of the best entertainment shows with all the commercials as played in the States, to many remote areas of the world.

After WW II AFR evolved into American Forces Radio and Television Service (AFRTS). AFRTS-Washington is the source of the non-entertainment portion of the system. AFRTS-Los Angeles takes care of entertainment radio and television.

Have you longed to hear a program that you know is on radio, but find it is not aired locally? What about that sports event that is on network radio, but not on your local stations? What is worse, you don't even know what a tremendous amount of interesting network radio is available on a seven day, twentyfour hour basis.

You write, call the networks, the local stations and request program schedules. No response in the main and the ones that answer have scheduled the public affairs shows between 0700 and 1100 local time Sunday mornings.

Several years ago I got fed up with this frustration and became acquainted with the

wonders of AFRTS-Washington. I found that 98% of all network radio public affairs and news commentaries were aired. CBS, NBC, ABC Entertainment, Contemporary, and Information Networks, as well as MBS, MBS Black Net, UPI, AP, and NPR. Sports are very well represented, college, professional, all the big games, regionals, playoffs, etc, etc. All shows are run on 12 second delay to allow any commercial messages to be replaced with public service announcements (PSAs) aimed at service personnel. These programs, including news, are aimed overseas via VoA transmitters in the States and by overseas relays.

There is very good reception in the States from backwash. Features are usually repeated several times a GMT day for your best listening time. It certainly beats the frustration of knowing a program is on the air and not being able to hear it.

If you are looking for an outstanding news magazine program without PSAs and without commercials, Sunday-Saturday, try All Things Considered 2100-2200 GMT.

DKing is fun, but I find that there is much more to SWLing. Listen closely to the substance of shortwave programming!

AFRTS-Washington supplies frequency schedules and master schedule on request. Write AFRTS-Washington, 1117 North 19th St., Arlington, VA 22209.

SPECIAL PUBLICATIONS AVAILABLE

- Keep It Quiet, by Morgan Monroe. Problems of noise and how to eliminate them. (\$1.00)
- Precision Frequency Measurement, by Charles Taylor. How to measure to the nearest Hz using the heterodyne method with a frequency counter. (\$1.00)
- Introduction to Shortwave Propagation, by John Tuhscherer. Basics of ionospheric propagation of radio waves. (\$0.75)

Send orders to J. A. Lineback, Box 325, St. Joseph, IL 61873, U.S.A.

Learning French Enlivened by Broadcasts

Ah, to study French in Tahiti! C'est impossible! Then how about settling for Radio Tahiti?

Some students of advanced spoken French at UCSB are happily doing so, listening almost daily to news, cultural programs and interviews in French as recorded from shortwave broadcasts from Canadian, Australian and Tahitian radio and the Voice of America.

Instructor Robert Rorke, who initiated the idea at UCSB, reports that his students have so taken to the immediacy, authenticity and vitality of the French-language broadcasts that they have shown marked im-

provement in their comprehension of spoken French as demonstrated in their ability to transcribe, summarize and discuss the content of the programs.

The daily flow of fresh, lively ideas from these far-flung radio stations has motivated the students to learn and put to use new vocabulary and grammatical structures, the instructor said. It also has sharpened their feeling for the nuances of spoken French and stimulated a greater interest in contemporary world events.

Staff members of the UCSB Learning Resources Center and the Office

of Instructional Consultation help Rorke record the two to three hours of broadcast material each week. Rorke then edits the recordings and offers them to his students as cassettes to use in the language labs or to check out for home study.

He reports that the shortwave radio recordings have not only proved themselves successful as a method of teaching spoken French but are inexpensive to produce.

Now technicians at UCSB are recording broadcasts in Russian, German, and Spanish for possible classroom use.

Bonne idee, non?

From Calendar of Public Events of the University of California at Santa Barbara via Bill Bogel.

HELPING HAND - For sale, APS-11 Superex headphones, 600 ohm can be converted to 4-16 ohm \$15.00. Worcester Electronics SM/2 directional loop antenna \$25.00. Hy-Gain/Galaxy RF-550A Wattmeter, can be used for 6 different antennas, coaxial switch selector, \$35.00 from Stanley Cabrial, 2254 62nd Ave. Oakland CA 94605.

HELPING HAND: For Sale, SONY ICF-5900W portable receiver. Dual conversion, good freq readout, mint, 3 mo old. Want to buy FRG-7. \$100 plus shipping. Dennis Streveler 45-213 Loa Kahiko Pl., Kaneohe, HI 96744.

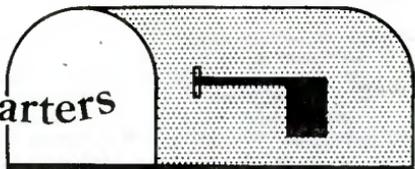
HELPING HAND: For Sale. DX-160, mint condition with Heath crystal calibrator- \$100. R.C. Milam, 17711 Pebblewood Lane, Hazelcrest, IL 60429.

On the Cover: a picture of the Grand Court of the world's largest indoor shopping mall - Woodfield Mall, Schaumburg, IL, one of the sites of this years ANARC convention being held from July 15-17, 1977. Your NASWA publisher will be there and hopes to meet many of you as can make it. - Al Mayer.

IMPORTANT NOTE: Log Report A did not arrive by deadline date, so is not included in this months FRENDX, The July Log Report will be included in its entirety in the August FRENDX.

QSO/NASWA

letters to headquarters



EDWARD C. SHAW, QSO EDITOR
P.O. BOX 7053
LEXINGTON, KENTUCKY 40502

Editorial: In the June issue of FRENEX, readers found news about NASWA government change proposals. The few remaining letters received by HDQ in regard to recent editorial matters are included in this July issue. This is the final episode. Please take the time for reading about the new proposals. They are based on long discussions and reflect the desires of the members who felt involved enough to respond. Those of you who felt, and still feel NASWA is incomparable, should be especially watchful and be sure to express desires to HDQ from time to time. Satisfied members, by their silence, might sometime have an undesirable policy change handed to them. Since members of NASWA are bound to be more closely involved with issues in the future, it will pay to keep HDQ informed of what you feel.

Edward Shaw
Member, Executive Council

MORE POSTAGE HIKES? Gerry Bishop writes: 15c first class, jeez! What can we do to save ourselves from a \$1.00 IRC? Since the last increase was some 70%, shouldn't NASWA do something to prohibit another price boost? With this being a campaign year, our Congressman should be somewhat more responsive to gripes of this type. Personally, I'm going to use more mint stamps from the DX Stamp Service. (Nothing NASWA can do, of course, but individuals are at liberty to write them letters to Congress!)

McKAY-DYMEK COMPANY announces their new DR-22 receiver. It is an all-wave fully-synthesized communications receiver for less than \$900. Come equipped with 4 or 8 KHz bandwidth ceramic filters. Frequency readout is displayed on a large 5-digit LED strip. The phase-lock loop system works similar to the Barlow Wadley/Drake/Yaesu FRG-7 principle. 625 North Park Ave., P.O. Box 2100, Pomona, CA 91766.

DXATN THIRD PRINTING: With updates and including a dozen or more on-page reviews of the most popular receivers (with photos) used by NASWA members, ...Yaesu, Drake, Sony, Hammarlund, Collins...they're all there. Now with regular paperback binding. Covers every phase of our hobby from Antennas to Zero-beat. In second edition, \$4.00 ppd from HDQ. Ask for DXing According to NASWA.

GETTING TO KNOW YOU. Rita M. Vernetti lives in the Marshall Islands and works as a Secretary for the utilities. Married, with a 3-year old, Rita has been DXing since November 1976. She has logged 42 countries and QSL'd 20 of them. Her receiver is a Heath-kit GR-78 and she has just ordered the McKay-Dymek antenna system DA-100 II. She also finished building her own digital clock wired for 24-hours. Thank for writing, Rita. Hope your picture arrives soon for inclusion in the next FRENEX FOTOS page.

ALTON-KETCHUM writes to ask why he has never seen a review of the Zenith Trans-Oceanic portable, expressing his warm opinion of its hybrid nature. Answer: Basically, Alton, and in my opinion, the Zenith was designed mainly as an entertainment unit for music and local programming. The tone fidelity is mellow, especially on FM. The SW bands originally were intended for use while visiting countries...thus the portability. But, the Zenith IF is much too wide and the bandwidth much too narrow for use as a serious DXing tool. Sensitivity as well does not compare with others available for same or even less expense. The Zenith is ruggedly built however, and will last a long time. Hints from the company suggest that Zenith is about to embark upon a model of its own using the latest state-of-the-art circuitry.

PETE GRENIER of Azusa, CA says that the Southern Cal Area DXers might like to organize a charter flight to the 1977 ANARC Convention in July. They have been quote three prices from a travel agent, amounting to \$195 to \$250. It may be getting late, but LA area DXers interested are invited to contact Pete at 927 N. Pasadena, Azusa, CA 91702, and include a self-addressed and stamped envelope (SASE).

MARK VOLSTAD of Rothesay, N.B. writes: I constructed the digital frequency display described in the February issue of Popular Electronics. MY DX-160 loggings have increased 400%. I opted to buy the display in kit form, probably the cheapest way of going about it. Only minor adjustments taking about three minutes, were necessary for hook-up to my DX-160. Other receivers can be used, and the author suggests you send him a schematic of your receiver for specific advice. Gives display to within 1 KHz! I recommend this counter 105%. Write to Mattis Electronics for more info.

Box 162

Cost: \$124.95

Morton Grove, IL 60053

WHEN YOU WRITE TO HQ OR YOUR EDITORS, please include a stamp if you expect a reply. Also....it will help tremendously if you will also put your name and address on your letter itself. Just putting it on the envelope is often not enough since envelopes are discarded. If your address is not on your letter, we are at a loss to return an answer. Your cooperation can only speed a reply.

NEWARK NEWS ANNIVERSARY - OCTOBER 1977 Newark News Radio Club will celebrate its Golden Anniversary on October 8th, 1977...50-years! The event will be celebrated in easy-to-reach Bloomfield, NJ, just a few miles from the site where NNRC was actually begun. If you live in the area, you'll be interested in more information about this. Watch for more news.

DX STAMP SERVICE is operated by G.N. ROBERTSON, 83 Roder Parkway, Ontario, NY 14519. It offers mint postage stamps for sale for most of the countries in the world at reasonable prices (cheaper than IRCs, anyway). And, use of mint stamps often works where IRCs fail. Everyone is aware that it requires at least 3 IRCs for an Air Mail reply from any country to the USA. That adds up to over \$1.20. But, with mint stamps, postage enough for an Air-mail replay is available for typically 25c or less. Write today!! Send a self-addressed and stamped envelope for the DX-Stamp Service listing.

JOHN J. GARNER of Kakaboka Falls, Ontario writes to tell about a new gathering of SWIs called the Canadian SWI International, and they plan to begin publishing in October. John invites inquiries to P.O. Box 133, Kakaboka Falls, ONT, P0T 1W0.

MILWAUKEE AREA DXERS held their first meeting at the home of Bob Zilmer on May 2th. A group of 14 had a fine program of general discussion. The main speaker was Clayton Howard of NCJRP & E. A. talk was illustrated by 22 and slides of Ecuador and of NCJRP. Future meetings are planned. DXers in Milwaukee area should contact Bob at 9016 West Mount Vernon Avenue, Milwaukee, WI 53226.

EXPERIMENTERS AND PROJECT-BUILDERS: Bob Underdown, 313 Seward St., Siloam Springs, Arkansas has available a large supply of disc capacitors at 15c ea. in values of .01 to .1 uP, all 50V or above..some over 100V. This is a really cheap price.

LED DIGITAL COUNTERS are the wave of the present and future. The days of inaccurate frequency-reading and tuning by guess and golly are over. Only time is needed now to bring the cost of these counters down to within reach of most hobbyists. For now, the finished product is available for \$150 or so; kits for much less. If you can afford it, get the finished product. The tedious and exacting work for assembling kits is often tiring, and an anxious hobbyists might easily foul up his work, costing him delays and disappointments, not to mention money ultimately spent for return repairs.

AND

KENNETH DELONG writes: Here are my opinions on the things going on lately. The whole thing has been blown out of proportion. I agree with all of the editorial standards except 3, 5, and 7. Number 3 should be changed to say, "Avoid criticism and insulting personalities." Number 5 should be clarified to permit quotes from programs, but to disallow expletives by the editor in description. I disagree with Number 7 totally. Harmonics and utilities are part of shortwave and should be reported if only for the benefit of new members who might not have the slightest idea of what they are. As for CL, I would personally be honored to be victimized by his humor, and to do so would recognize me as somebody special in the DXing community. Program reviews and "In My Opinion" were not irrelevant trivia. "Don't You Believe" items were useful in correcting wrong information and avoiding confusion.

CHARLES E. HOFFMAN: "Now that the dust has settled somewhat, I would like to comment on the recent outbreak, of what seemed like WWII within the NASWA membership. There has been occasions in the past when I didn't agree with NASWA's Executive Council, CL, Glenn Hauser, John Moritz, and many other members about trivial club matters. Fortunately these same people have given me many uncountable hours of enjoyment and knowledge about our hobby through their efforts in NASWA. Unfortunately, I believe HQ's is taking some of my enjoyment and knowledge away through censorship. I know HQ's has denied this and believe this is sincere and true, but let us look at censorship from another view. If we were to visit the Washington Post or New York Times there wouldn't be a "Standard for Editors" tacked on the wall. If you were to ask a editor or reporter from one of these highly respected newspapers for his views on a "Standards for Editors" he would call it censorship. Write to Radio Moscows mailbag program and ask them if there is censorship within the Soviet Press? Their answer?...No, of course! Everything within the USSR is written with a "Standard for Editors" tacked on the wall. Suppression...and, if by chance something is written that goes against the Soviet ideology, is words deleted or changed? No..."never has one word been censored"...the whole article never gets into print! I hope my point is clear, there has been censorship by the Executive Council and I don't like it one dam bit." (SIC)(The foregoing quote excerpted. Other paragraphs not printed were reiterative or unrelated to our subject.) No comment. Ed.

HENRY ROCKWOOD, III: I wanted the Trustees to be answerable to the associate and the revisions (proposed) about covers it. I do disagree with Article C Section 6. NASWA is only one of many clubs. I don't think anyone should be restricted in any way. Everything else in the revisions is O.K. by me. As to the Standards, I disagree with 3, 4, 5, and 7. Number 3 might be taken that none may offer criticism of any station, announcer, or the opinions stated by other members.(?*) No. 4 - politics and religion have a lot to do with what can be heard or not heard. Of course, FRENDX is not the place to discuss the merits of politicians or to compare religions. No. 5 - If a 4-letter word is used in a broadcast, I see no reason to avoid printing it. No. 7 - Harmonics and utilities can be beneficial and serve as points of reference. (ed. comment: Mr. Rockwood apparently is confused about the dictionary meaning of the word "personalities" in the context used. No. 3 Standard for Editors in no way restricts an editors opportunity to take issue with an opinion. It says to avoid personalities, which means avoiding name-calling, personal attacks on character, etc. No. 3 also says to avoid taking unfair advantage. After all, general members haven't the opportunity to vent their anger at will month after month in print, and neither should any editor. Ed.)

JIM COOPER, SR.:a seemingly unending molehill-made-mountain... I feel a great tiredness at seeing this (expletive deleted (sic)) go on in the pages of our FRENDX....consuming otherwise critical space for shortwave information....the entire matter has degraded into a clash of personalities between editors vs HQ. It seems the standards are composed after a divergence of editorial opinion. I think some editors could stand a lesson or two in style, and I feel that there could have been much more decorum shown by all (?) in these proceedings. And, certainly those responsible for de-

BEAR WITH US, FOLKS, IT'S ALMOST OVER....

termining the content of the bulletin should be slapped, handwise, for letting this bull take up so much of the pages within. (Now really, Jim... did you really mean that we might have censored these letters from print? That's what this whole molehill was about...I think. You and a couple dozen others asked for this mess, and you'll get it to the complete end.) I see nowhere in the other two major club bulletins I belong to where they are beset with internal strife, dissention, or whatever is the term. You may be sure that I will look closer at them when renewal time comes again because I want my hobby dollar to go its farthest, and I don't feel at this point in time you folks in certain stations of the hierarchy are giving us the membership the most for that dollar. Why don't you shape up and act responsibly? (A very emotional letter, Jim. We anxiously await your suggestions how to shape up and act responsibly. Printing your letter, we thought was contributing to better rapport with the membership. Apparently, you feel we should have ignored the incoming letters. Internal strife and dissention? That's sounds like a shaky South American government. No, there are of course desires for better communication between editors and with HDQ, but our whole staff is loyal to the last man for FRENDX. Everyone should realize that the late episodes could only serve to strengthen our purpose...to serve the interest of short wave listening through Unity and Friendship. Ed.)

ROGER N. PETERSON: Now that the smoke is clearing away, I get the impression from Dan Henderson's May letter that NASWA should stick to DXing only. I am sure others share his opinions, and if the majority of members feel that way, then the opinions and other matter recently eliminated from LN are a good thing. I disagree with Dan's comments about articles on eliminating noise of sewing machines. On the other side of the coin, however, there seems to be other opinions (including my own) that NASWA should be an all-around SWL club. I consider myself a DXer and am proud of the two NASWA Awards recently sent by Dan. As such, FRENDX is the greatest help. But, I also do a great deal of listening to programs as well. Glenn Hauser's Review of Int'l Broadcasting greatly improves and expands the information he had in LN. For people like myself who DX as well as listen to programs, this poses no threat to NASWA or FRENDX. There may be some members who do no DXing, and they might well desert our ranks now that they have no source in FRENDX for the kind of information they want. If members want to be more than a DX-only club, then FRENDX, in its current form, is not providing complete information to its members. (A very astute observation, Roger, and one with which I relate easily. Ed.)

KIM ELLIOTT: NASWA's success has been because FRENDX combines accurate and comprehensive DX info with poignant commentary on social and political aspects of int' besting. Much of this commentary has been oppressed by recent editorial dicta, explicit and implicit. Trying to publish FRENDX in such a way that it will offend no one is like having a picnic and serving corn mush (unseasoned) to suit the dietary requirements of everyone. From (my) recent survey conducted, virtually no one expressed outrage (?) at LN, but there was a plethora of positive feedback. Perhaps Glenn overreacted in his recent modifications of LN, but I think he is doing this to save his neck. As for Moritz, I have no defense for him - his use of obscenities was much different. About CL, I miss him. The MM affair was a big misunderstanding that was never explained to NASWA members. Replacing CL with a totally worthless Roll Call is tragic! Talk about useless trivia!

CHARLOTTE IRVINE: I still believe the Executive Council has been too strict in its policies, too afraid of criticism, and too insensitive to the wishes of members. The April issue said all these problems will be aired. Listener's Notebook in its old form was the highlight for me. The purely factual "new" look is disappointing to me in that it now means FRENDX is only for the station logger, the QSL collector. There is nothing in your club to attract the person who searches for good programming, interesting reports, and slants on the news, etc.

THIS COMPLETES THE COLLETION
OF LETTERS RECEIVED. NO MORE
ARE PLANNED FOR PUBLICATION.

Listeners NOTEBOOK



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

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ENGLISH SCHEDULES AUSTRALIA RA, after years on 9570 to the UKGBANI at 0700-0900, sought to evade QRM in J77 by moving to 9510, but by June had returned to 9570 (via BBC WRC 8/6) I believe for the first time RA is using two transmitters synchronised on one freq--7240 at 1500-1730, a 10 kW Shepparton to PNG, and a 100 kW Carnarvon to SAs, since 6/3 (Robert Jones, NSW, ADXN) Though on paper the evening pgm to Nam still runs only at 0100-0300, the 15320 xmt continues with exactly the same facilities until 0500 supposedly to the Pacific Islands, and resumes at 0600-0730 after an hour in French. Throughout, it's been downgraded from 100 to 50 kW, but can afford to due to seasonal reception peak in Nam. The "African" service, also audible here 'off the back' is now sked with 100 kW xmters on 11935/15205 at 0400-0500, 0600-0630. Other good freqs in Nam are 5995, though only 10 kW from Lyndhurst as usual, at 0700-2000 (fade out time depend on local sunrise), and 11740, 50 kW at 0400-0930 (from sked via Charley Hoffman PA)

BANGLADESH Dacca heard rather well at 1230-1300 on 17890; 1815-1915 on 11618v, announced a 11625, and not to be confused with Delhi-11620 at the same time (Wolfgang Büschel, GFR, SCDX)

BHUTAN R NYAB has changed its Wed 1315-1330 pgm from 7040 to 4690 (Sukhamoy Gazi, SCDX 7/6)

COSTA RICA R Casino, 5954, astounding near-local level in English at new time of 2315-0000 (Terry L. Krüger, FL, 14/5, TDXN) Best try weekends when RCI is silent on 5960 (gh)

CUBA RHC J77 to NEU, 2010-2140 on 17885; rest to Ans: 2050-2140 15300/11930; 0100-0450 on 9685; 0100-0600 11725; 0330-0600 11760; 0630-0800 9525 (RHC) The broadcast to NEU is nothing new, contrary to the impression given by Roger Stubbe on DX Party Line 16/6 (gh)

DENMARK R Denmark Sat 4/6 *1200 no longer saying 'only in Danish' but reception on 15165 so bad by 1215, and following weeks that I can't tell if now in English as reported (gh)

GERMANY EAST RBI J77 0100-0145, 0230-0315 to ENAM 9730; 0330-0415 WNAM 11890/11840/9650 (this xmsn is now seasonally well hrd in ENAM too on 11890 -gh); 0445-0530 E&Waf 11720/9500 0645-0730 SEAs 21465/17700; 1200-1245 SEAs 21540/15320/15125; 1315-1400 Caf 17800; 1400-144 SEAs 21540/15125; 1530-1615 SEAs 15125; 1800-1845 E&Waf 15250/15170/15145; 1830-1915 Eu 973 7300/7185/6115/6080; 2000-2045 Waf 15250/9665; 2115-2200 Eu 7260 (BBGMS 5/77)

GREECE As usual, VOG's current sked slow in coming, and likely out of date when it does-- but we have this tidbit; to Nam 1215-1230 on 11730/15345/17830 (BBC MS 9/6)

INDIA AIR J77 changes to sked in WRTVH 77 for GOS: 2245-0115 9535 ex-9590 to EAs, 11815 ex 11825 to NEAs; 1000-1100 15250 ex-15165 ANZ (WRTVH Newsletter via Peterson, CT; Rich, SC)

ISRAEL IBA monitored on unlisted 21500 at 2000 (BBC WRC 15/6)

ITALY RAI J77's sked, converted from the irrelevant and cumbersome films in A.M. and P.M. CET they insist on using even tho not even Italy is currently on CET! -- Nam 0100-0120 9575 11810; 0350-0410 SAs 17795/15330/11905; 0425-0440 Mediterranean 7265/6010; 1935-1955 GB on 11800/9710/7275; 2025-2045 NE 11800/9575/7235; 2200-2225 11905/9710/5990 to Japan. Look at that! More English to Japan than to North America. (gh's comments; sked via Overcamp, SC)

KOREA SOUTH Latest KBS sked for 30 min pgms: 0300 Nam 11860; 0600 Nam 9640/9675; 1000 SAx 7150/9525/9580; 1130 7150/9665/11860 Eu; 1330 11860 Eu; 1600 7150/9640 Nam; 1800 9720 Nam; 2000 9665/9720 Eu; 2300 9640 SEAs (NL; it probably no longer is 'the latest!')

LEBANON Beirut has a daily English newscast at 1530-1540 on 9550 (BBC WRC 8/6)

MONACO (FRANCE) TWR J77: 0625-0800 7105 (of previous LNs--this one reported anywhere from 7100 to 7120 -gh); Sun 0800-1000 9610; Tu & Th 0930-1000 and Wed 0930-0945 on 9525 (NL)

NETHERLANDS As of 6/6, RN made a change for 1400-1520 to SAs 21480 ex-15185 (Crystal, SCDX)

NEW ZEALAND RNZ spl rugby 9/13/20 July, 13/8 0200-0500 15380 stead.15130 other days (NL)

PAKISTAN (cf Jun LN-2) Here are some more R Pakistan J77 slow English newscasts: 0430-0445 on 15325/17830/21590; 1100-1115 15115/17665 (Noël Green, England, NL) PERU Below

POLAND R Warsaw J77: 0200-0230v, 0300-0335v NAM 15120/11815/9525/7270/6135/6095 (11815 is best --gh); 0630-0700 Eu 9675/7270/6135; 1200-1230 Eu 7285/6095; 1230-1300 Af 15120/11840/9675/9525; 1230-1300 Concert Eu 7285/6135/6095/5995/3955; 1600-1630 Eu 7270/6135; 1630-1700 Af 9675/9525/7145/7125; 1830-1900 Eu 7285/6095; 2000-2030 Af 9675/7145/7125; 2030-2100 Eu 7285/6095; 2230-2300 Eu 7270/7125/6135/5995/3955 (BECMS 5/77)

ROMANIA R Bucharest to NAM, 0130-0230, 0400-0430 on 11940/11735/9690/9570/9510/6155/5990; and to Pac 0635-0705 17835/15380/15250/11940 (R Moscow DX 16/6) Heard 28/5 announcing 9750 for 0130, believing their own transposition of 9570 (gh)

SEYCHELLES FEBA on new 15280 at 0630(Sun 0600)-0830 (Austrian and GFR reporters to SGDX 15/6 via gh) If on! See LN-7 (gh)

SOUTH AFRICA SABC English HS on SW J77: 0359(Sat 0430, Sun 0500)-0520 3965/3285; 0520-0635 7285/3965; 0635-1520 9680/7285; 1520-1620 3965/7285; 1620-2115(Sat 2205) 3285/3965. Springbok Radio (commercial service also in Afrikaans): 0300(Sun 0400)-0522 3250/3980; 0522-0637 7185/3980; 0637-1522 9710/7185; 1522-1622 3980/7185; 1622-2200 3250/3980. The All-Night Service, considered a separate 'station' continues on 3250/3980 at 2200-0300(Sun 0400); also there are market reports alternating daily in Eng/Afk Mon-Fri 1605-1650 on 3230 (R RSA 4/6)

SPAIN RTVE to Eu on new 7155; //9505/11840 at 2030-2230 (Stegfried ---, GFR, SGDX 15/6)

SWAZILAND Swaziland Commercial Radio Proprietary Limited has changed slogan from "Swazi Radio" to "Radio SR"; English curtailed to Mon-Fri 0700-0900; Sun 1600-1630, 2000-2200 (Richard Glnbey, RSA, SGDX 7/6) First on 6155; second on 4985; third on 3223; all 100 kW (Glnbey, NL) TWR: 0430-0615 7255/3275; 0630-0905 11760/5055; 1630-2035(Sun 2105) 3275 (Colin Miller, RSA, SGDX 24/5)

TAIWAN "Free China Monthly" for May shows the J77 sked of VOFC; all transmissions previously at 0000-0900 have been dropped from the list, perhaps an oversight, or a significant change in their sked! Only English now shown; 2130-2230 to Af/ME/WEu on 9510/9600/11860/15225/17720. At 2140-2240 to NAM on 9685/17890 and to ANZ 11825 (Tom Overcamp, SC)

TANZANIA RT at 0330-0430 or later to C&Saf is on 6105 and 9685 or 15435 (Victor Goonetilleke, R. Nederland 27/5) Partially explaining sporadic appearance on 9685 noted by Perdue(gh)

USA AFRTS on 9755 runs to 1300, not 1200 (cf Jun LN-2) (Louie Goldstein, MA, 7/6) UK below

USSR R Moscow to UKOGBANI & Eire as of 20/4; 1130-1230 15305/11745/11705/9720/9450; 1900-1930 11830/9720/9550/7390/7310/7250/7205; 2000-2030 9720/9550/7390/7310/7250/7205; 2100-2200 11805/9720/9610/9550/7390/7250; 2200-2230 11805/9610/7390 (WDX)

USSR (cf Jun LN-2) A different R. Kiev sked; 1930-2000 Eu 7390/7310/7205; 0030-0100 Ams 15405/15120/11720/11690/9770/9720/9600/7400/7205/5905; 0300-0330 Ams 15425/12050/12040/12020/9780/9720/9635/9610/7400/7205/6020. R Vilnius 2230-2300 Eu 6100; 2300-2330 Ams 11790/9800/9720/9610/9600. Voice of Armenia Sun/Wed/Thu/Sat 0325-0330 to Ams 15180/15100/12000/11690. (BBC MS Apr/May 77) A Third USSR entry below:

VATICAN (ITALY) Vat R J77 including some jumps for DST in Eu: Eu 1345 6190/7250/9645/11740; 2030 6190/7250/9645; Af W. 1115 17840/21485; 1200 17840/17900/21485; 1700 11830/15120/17900; 2045 & 2115 9625/11705/15120; S&EAs 1515 W. 11875/15165/17825; ANZ 2210 7235/9615/11705; NAM 0100 5995/6015/9605/11700 (Robert Heckenlively, SD; NL; BECMS 26/5)

VIETNAM VOV sked announced 17/5; 0900, 1000, 1530 on 7470/10040/12035; and at 1800/2030 on 10040/15016; order of preference here; 10040 at 0900 or 1000; then 12035 at 0900 or 1000; then 15016 at 1800 (Dennis Streveler, Kaneohe HI) Sure 15016? Last hrd here c. 15008 (gh)

(late items) **PERU** R. del Pacifico on 4975 has English at 0130-0200 (HCJB Programa DX 21/6)

UK OGBANI In a surprise move, BECMS to Nam 2245-0330 has adjusted long-standing 7325 to 7320. Same with Euro service later. Reasons unclear, no QRN (Richard Wood, NY) Cf LN-5;

USSR From the 35-page-long BECMS compilation of R. Moscow external skeds as of Apr/May, just received, we extract R. Peace & Progress in English: 1030-1100 to As 21515/17900/17870/17850/17795/17730/17710/15435/15425/15295/15185/SSB 13425/11900/11890/11845/11785/11710/9480. 1130-1200 As 21515/17860/17795/15385/12060; 1230-1300 As 17860/15295/15210/15185/11845/11835. 1300-1330 SEAs 17815/17810/15500/15405/15365/15255/15155/11860/11785/11710. 1330-1400 As 17860/17710/15140/12060/12050/11770/11720/11705. 1430-1500 As 17860/15295/12060/11890/9785/9655. 1430-1500 Af 21645/17885/17850/17700/15460/15375/12055/11775/11745. 1530-1600 As 15280/15185/15175/15140/11890/11870/11785/9655. R. Moscow has an English pgm especially for Sierra Leone--when I heard it last year, a 15 minute news program fed twice for relay on SLBS. Now sked at 1330-1400 on 21490/17885/15425/15375. North American night owls can hear much the same programming as on the North American service, during the Australasian service at 0800-1000 on 17700/15385/15255/15130/11870/9780. Some freqs may have been changed by now. BECMS still shows 9700 as the only freq originating in Bulgaria during the NAM service, contrary to the observations of Roger Legge and UHN reporters (gh)

OTHER SCHEDULES

ANDORRA R Andorra international service is now Sun only a 1000-1400, still 6230 (Hermann-Josef Kurzen, GFR, SCDX 24/5)

CHINA R Peking DS in Std Chinese as from 20/5 has been announced as follows; Program-One:							
span: 2000-1735	12420 0733-1735	10245 1100-1735	7095 ?	5860 ?			
17605 0433-0730	12120 2300-0800	9080 2000-2200	6750 ?	5320 2000-0100			
15590 2303-1735	(exc F 0500-0800)	2203-1735	6665 2000-1735	1103-1735			
15600 2318-1130	11330 2000-1735	9064 2000-1735	(not F 0437-0830)	4905 2000-2200			
15550 0103-1100	11290 2000-1735	7935 2000-2300	6225 2000-0100	4800 2000-0100			
12420 2203-0430	10245 2203-0100	7504 2000-1735	1100-1735	1103-1735			
				4460 2000-2315			
Program-Two:	(not Tu 0530-0900)	7770 1000-1700	5163 1203-1700	1130-1730			
span: 2100-1700	10260 2100-1700	(Wed/Fri 0950-)	5075 2100-2330	3450 2000-2200			
15030 2300-1200	9754 0700-1400	7190 2243-1330	1103-1700				
12200 2333-1100	9670 0700-1200	6345 2100-2330	4850 2100-2400	4250 1333-1700			
11505 2400-1200	9020 2100-1700	1403-1700	1403-1700				
11040 2333-1400	7770 2100-2400	5163 2100-2400	4250 2100-2240	(BBC MS 26/5)			

The Lanchow Kansu Provincial Service in Std. Chinese announced that from 23/5 it would broadcast on 7324/6155/5970/4865 at 2120-0100(Sun 0330), 0320-0610, 1000-1600; includes re-lays of Peking DS, locally produced pgms and provincial nx at 0000, 0430, 1330(not Sat)(BBC)

R. Peking Russian service, some channels varying up to 10 kHz, 55-min xmins; *SSB; R-backwards; several sites may broadcast a few seconds apart; these are grouped between semicolon

0000 9530/9345; 11675	1300	9625/7130; 6560/5145; 1800 7130/6495; 12055/9390; 968
0100 11675		9390; 11675 /9555/9030/7045/6280/4220/
0200 11675	1500	7130/6495; 11675; 4110; 11600/9530/9335/7800
0300 *17490/11455/8425/8260/		9675/6560/6430; 9390; 1830 R 8345/6550
R 6995; 11675; 15255/15115;		9820/9530/7800 1900 7130/6495; 9390; 9340/6825
15355; 15670/15300/15045/	1600	9675/7045/6430; 7130/ 6280/4500/4220/4110; 7925/
11600		6495; 6840/4895/4068/ 7035
0400 17635/15670/15290/15045/		3970; 12055/9390/7660; 2000 7130/6495; 6280/4440/4500/
11600; 15355; 15395/15255/		11600/9830/9530/7800; 4220/4110 9550
15115; 11675		6560 2100 7130/6495
0900 R 8260/5220	1700	9685/9555/9030/7045; 2130 9390/6930; 9365/9340/6890;
1000 9625/7130; 11980/9480/6560		7130/6495; 6840/4895; 9670/9440/7035
/5145; 11650/11515; 11675		4068/3970; 12055/9390/ 2200 9625/7130
1100 9625/7130; 6565/5145;		7660; 11600/9820/9530/ 2230 9445/9360; 11450/9390; 988
11515/9390		7800 /9675/9435/7080
		(BBC MS 5/77) 2300 9625/7130; 11990/11675

CYPRUS CBC Greek to UK keeps changing freq for Fri/Sat/Sun 2215-2230 pgm via BBC Zyyi; last noted on 9770 (DW QRM) and 7195 (Algiers QRM). Announcements suggest the broadcasts will continue until yearend (RA DX 12/6--Padula)

ECUADOR The Oceanographic Institute of the Ecuadorian Navy began experimental transmission 2/6 at 2000 from a new timesignal station using an atomic clock, to be officially inaugurated 25/7. The somewhat irregular schedule is 0500-1700 on 3810; 1700-1800 on 5000; 1800-0500 on 7600. Power seems about 1 kW (Roger Stubbe, HCJB DXPL 16/6) Good signal here when checked 18/6 on both 7600 and 3810. Is not a CW station, but A2/A3 like WWV, skips 29th second, and gives schedule during 59th minute--all in Spanish. Accuracy of timesignals in distinguishable from those of WWV, but doesn't qualify on frequency standard--7600 was a good 43 Hz high. Call sounds like HD210M (gh) **HCJB: LN-4**

GEORGIAN SSR R. Tbilisi, Georgian to Eu/ME no longer is heard on Fri, just Tue/Sun 1900 on 1100 on 5930, which other days carries R. Moscow HS pgr I (BBCMS 9/6) R. Moscow Spanish to SA m hrd 0130-0400 via Tbilisi 9625, QRM Sackville (Roger Legge, VA, 13/6)

INDONESIA RRI was to add a new Japanese pgm at 1200 on 11810/9810 as of 1/6 (BBC MS) It's on 11790/9710 at 1200-1300 (BBC WRC 15/6) RRI Ujung Pandang changed sked so that 4719 closes at 1300 and 4985 opens at 1300, instead of vice versa. RRI Menado on 3215, formerly until 1520* Sundays only, now is hrd daily to 1520v* // 5987 (Satoshi Wakisaka, Osaka 31/5)

IRAQ R Baghdad in Hebrew to Israel on 6155 has been retimed to 1530-1625 (BBCMS 26/5) **KORRA LN-4**

KUWAIT RK Arabic DS: 21605 0815-1305 Eu; 9520 ex-9715 Arab East 1600-1800; 11990 ex-9715 for Arab Maghrib 1830-2115; and for Urdu DS at 1500-1700, 9580 ex-9555 (BBCMS 9/6) I measured the 13m channel at 21604.00, so seems not just trying for 21605. More on LN-4 (gh)

LAOS Houa Phan National Radio, 4666 kHz, announces sked as 2300-2400, 0400-0500, 1000-1100 Not 100% sure due to poor reception, but is heard to 1100*. Xing Khouang National Radio 1 observed on 4598 to 1400*; Lao till 1330, then Meo (Isao Ugusa, FEDXR 25/5)

LIBYA Mebo II is anchored off Libya, testing on variable sked; 0800-1130 on 6205-6210; 1145 2300 on 6210/9810. No proper ID but on hour and half hour plays the old RNI signature tune "Man of Action" (SCDX 7/6) Makes it to NA m on 6210, but 9810 a tight IBA/Cairo squeeze(gh)

MALTA AWR had planned to introduce a second pgm on Suns, as from 3/4, 0600-0800. Due to unforeseen diplomatic problems at govt level, the Sunday pgm is presently only 0700-0800 on 9605, in Rumanian and Greek. The other Sunday pgm is on 9745, 0600-0800; in "HH" (now is that Hebrew or Hungarian or Hwat? Down with these ambiguous abbrs: gh), Ukrainian, Italian, German, French. DW J77: 0200-0430 9735/6100 Ger NAm; 0200-0350 11795 Ger NAm; 0400-0550 6025 Arab ME; 0445-0520 6100/7275 Turkish; 1115-1215 Jap 9605/11765/15135; 1240-1350 11920/17825/21650 Indo; 1400-1450 15320/11785 Arab; 1540-1750 17875/15405 var. langs for Asia; 1800-1850 7160/9650 Turk; 1900-2120 6000/7265 Arab/Maghreb; 2130-2300 Port, 2300-2430 Span, 0030-0105 Port, all on 6100/9610/11865 SA; 0130-0150 6100/9565 Eng NAm (ADN 6/77)

NETHERLANDS ANTILLES TWR J77: 6190 Eu/NE 0330-0500; 9570 SA 0715-1100; 11790 SA 0145-0215 (250 kW), 0215-0330 (50 kW); 11800 SA 2200-2330; 11830 Eu 2200-2215 exc. Sat; 11815 NAm 1100-1230; 11900 SA 1000-1030; 11925 FE 0030-0130; 15255 NAm 1230-1430 (Sat/Sun 1330); 15275 (250 kW) 2130-2200 (Sat 2215) Eu, 15320 NAm; 15415 SA 2330-2415; 15445 SA 2215-0215 (NL)

PAPUA NEW GUINEA New provincial SW stn, all 10 kW are Rabaul 5985, Alotau 6040, Daru 6080, Wewak 6140, all Mon-Fri 2200-0700 (WRTVH NL via Roger Peterson, CT, as are all NL credits)

PARAGUAY Asunción TV reported 1/6 that R. Primero de Marzo, 780 was sked to begin 24h service on 2/6 (BECMS 9/6) So look for its SW relay on 11472 at any time (gh)

PHILIPPINES R Veritas J77, effective 12/5: 2200-2255 Viet, 0100-0125 Jap 9740; 2300-2325 Indo, 2330-0000 Thai, 0000-0030 Sinhala, 0030-0100 Chinese all 9740/11725/15280; 0100-0200 Eng, 0200-0230 Tamil 11725/15280; 0200-0230 Telugu 15205; 1100-1130 Chinese 9605/11800/15215; 1130-1220 Viet 9605/11800/15215; 1230-1255 Jap, 1300-1330 Telugu 9605; 1230-1255 Indo 11800/15215; 1300-1325 Thai 11780/15215; 1330-1355 Sinhala 9605/11780/15215; 1400-1500 Eng, 1500-1530 Tamil 9645/15280/15215 (NL; FBEXR; ADN) Due to summer time, DPI Radio One now s/off at 1405v*, ex-1505v* (Satoshi Wakisaka, Japan, 31/5) I thought it was actually 'spring time' and they may be back on standard time now (gh)

RWANDA DW J77 based on DW Engineering Sked and BECMS; however DW tends to swap freqs for its relays and GFR sites often: 1800-2150 Ger 6160/9735 Af; 2200-0150 Ger 9680/9700 Am; 0330-0545 Swah/Eng/Fr 7225/9565 Af; 0930-1030 Eng 17800/21540 Au; 1045-1145 Eng/Swah 11785/15410 Af; 1200-1400 Eng/Hausa/Fr 15410/17765 Af; 1415-1500 Amh 11965/15410 Eth; 1515-1745 Eng/Fr/Swah 7285/9735 Af (ADN 6/77)

SEYCHELLES J77 FEBA tentative: SAs 6155 0030-0145; 9605 0145-0300; 11785 0230-0300 (Sa/Su) 0145-0300; 15280 0630-0815; 11945/15325 Sa/Su only 1115-1230; 11865/15325 1230-1515; 9525/11865 1515-1630. EAF 0315-0345 9695; 0345-0445 11800; Iran 0315-0345 11755; ME 0345-0445 11845; 1745-1845 9510; S & Gif 0445-0530 11800; to Islands 0845-0930 15430; Eth/Som/A&I 1730-1745 9510 (NL, ADN, Mainland; gh; however, see LN-7!)

SOUTH AFRICA (Gf LN-2) Continuing the SABC HS sked for the Afrikaans pgm (SAUK) J77: 0358 (Sat 0427, Sun 0458)-0521 3955/3320; 0521-0636 7170/3955; 0636-1521 9560/7170; 1521-1621 3955/7170; 1621-2115 (Sat 2205) 3955/3320 (R RSA DX Corner 4/6 via gh)

SPAIN RTVE Spanish to Ams J77: 2300-0100 11945/11775/9530/9360; 0100-0300 11965/11775/9630/9360; 0300-0500 11965/11775/9360 (John Wegener, IL) Reports wanted on 11965 ex-6120 (RTVE)

TURKEY Not listed in 1977 WRTVH is an experimental electronic lab stn at a HS, Istanbul Maçka Sanat Enstitüsü, Elektronik Laboratuvarı. On 7025, expected to be back on the air in June after antenna problem hiatus, sked Mon/Tue/Thu/Fri 1100-1200 (Haluk Mesci, SCDX 24/5)

UNITED ARAB EMIRATES Abu Dhabi is using 9620 at 1400-2130 in Arabic only (NL)

USSR The 1530-1600 "Polar News" bulletin in Russian for Antarctica and the western sector of the Arctic is now on 9590 on Mon/Thu (BECMS 19/5) May 16 changes: R Moscow NAm svc; 9600/11850/11870 ex-7165/7250/9655; 9685 remains covering Habana. Kiev/Vilnius/Rodina 11770 (to 0000) & 7150 (from 0030) ex-9600. Cuba/CAM svc 11790 Riazan ex-9700; 7150/9810 added at 0300-0400. SA svc: 11860 Gorky & 12020 ex-7240/9640; 11830 Moscow ex-9775 2200-0100. Also used are 9520 Azmavir (GRM jam), 9550 Moscow, 9625 Tblisi; Russian Svc 15455 extended to 2130; 2300-0300 Russ. Foreign Svc on 5950/6200/7295/9350/7380/7420/9480/9590/9640/9785/11990/12000/12040. 2300-0200 Mayak 7100/7205/7305/7400 (UHN advance via Legga) R Minsk via R. Moscow facilities in Belorussian to Eu; 1800-1830 9785/9720; 2130-2200 7420/7340/6020 (BBC MS) Pacific Ocean Radio Stations; all in Russian; 0700-0800 (not Mon/Thu) 21505/17745/17720/15505/15100/15350/9810/9770/9700/9645/9620/3995/5015/4485/4030; 1430-1530 (not Mon/Th) 12010/9775/9760/9745/9620/9590/7245/7125; 1930-2030 (not Mon/Thu) 12010/11720/11705/9760/9750/9710/9610/9590/7280/6175/6020/6000/5015 (BECMS Apr/May 1977) (BECMS 2/6)

VIETNAM Since 19/5 Ha Tuyen regional DS on 4820 1030-1200; local Viet nx 1030, vern. 1130

YUGOSLAVIA Belgrade Pgm-I DS is on HF 9505/7200 at 1400-2305 (BECMS 5/77)

(late items) **ECUADOR** As of 21/6 or 23/6 HCJB freq changes: 15120 ex-15115 1630-1800 to NAm Czech/French/German dx jamming; 15245 ex-15375 2230-2430 SA R/Ge/Ja/Ge, due UNID QRM; and 15295 ex-15300 SA 2200-0230 NAm due RHC QRM (DX Party Line 18/6) **KOREA** S KBS Net-I on 5975 0025-0320, 0400-0605; 3930 1955-1800; 2510 1955-2405, 0658-1300, 1300-1800. KBS Public Educational R. Stn, Soul, 0858-0103 nn 6135 incl. R. Korea ES relay in Kor/Jap 1100-1400 (BEC MS 2/6) **KUWAIT** RK Ar HS 1000-1505 21685 ex-15415; 0815-1430 9520 ex-7120 (BECMS 2/6)

MISCELÁNEA RADIAL ALGERIA Kabyle service good 1900-2200 on 12320 kHz.

twice 6160 (Mike Barraclough UK) Just about the most consistent harmonic signal on SW and usually very strong (Stephen Lowe, WDXG, Berkshire)

ANGOLA R Lobito, on 4175 2200-2300* 24/5 (Craig Tyson, W Australia ADXN) Several names have been changed: São Salvador to Bassa Congo; Silva Porto to Bié; Henrique de Carvalho to Saurimo; Carmona to Uige (Richard GINBEY, RSA, NL) more, LN-8

AUSTRALIA The most predictable HS broadcasts here are ABC Brisbane 4920 around 2000-2100 and ABC Perth 15425 around 0730-0830 (Dennis Streveler, HI)

BHUTAN NYAB advises Robert Hanner that it hasn't been using 7040 for some time Wed 1230-1330 but instead 4690. There is a harmonic relationship between the two, suggesting they are using a crystal of 2345, doubling it to get 4690, tripling to 7035, or similar (Padula, ADXN)

BOLIVIA R Progreso, La Paz, is reactive on 6005, after having been shut down by the government last December (BBC WRC 15/6) R. Batallón Topater, V. of Nat'l Army, Oruro 4980 (BBCMS)

BRAZIL R. Nacional de Brasília's international service was suspended after a farewell program 12/6. Profuse thanks were given to listeners and clubs for their support over the past five years. The only explanation given was 'technical reasons', but a promise was made to return after an indefinite period. The plan to close had been announced in each transmission for several weeks in advance (gh) They have invited comments at Box 04/0340, Brasília, DF. Everyone should write! This station is long on entertainment and information and low on propaganda. Let's hope we can have another success story like R New Zealand: (Streveler HI) The reason was that the transmitter was needed to combat broadcasts from foreign stations dominating the Amazonian region (BBC WRC 15/6) But the IS was only on the air three hours a day; they could have used it for HS the other 21! (gh) RNB should be back with IS once the 5 Swiss 250 kW xmters are installed by July 1978 (BBC WRC 15/6) I've also heard a likely more realistic prediction of the end of 1978. Now does anybody note freq--not 15245 it seems--where the 250 kW xtr is now being used? (gh) Earlier, RNB had discontinued the "A Voz do Brasil" relay at 2200-2230 (BBC MS 26/5) My July 21 (and GMT 22nd) report on RN's DX Juke Box will include a tape of the RNB IS, and farewell message (gh) Monitoring shows that R. Cultura in Araraquara, SP is on 3345; and R. Colonial in Tres de Maio. RGS is on 4380 (BBCMS 26/5) A new stn is hrd around 2330 on 4935, Rdif Morarim (sp?), Maranhão (SGDX)

BURUNDI May 4. Dear Friends of the Central Africa Broadcasting Company: On Feb. 21, 1977, the Minister of Information of Burundi called Paul Rutwe (CORDAC's legal advisor) to his office to tell him a new law had been decreed that no station other than the government radio shall have the right to exist in Burundi. CORDAC was not accused of any wrongdoing. Similar things have happened before so we thought the closing might be temporary. The minister told us he would notify us when to quit. We have been broadcasting continuously since then. On Friday, April 22, the government served us with a ten-day notice to cease broadcasting and dismantle and remove all equipment to storage. One alternative is to start up in another country; another is to use the studios for making cassette tapes. If all doors are closed, we will be faced with the cost of bringing all of our people home. Since 1963, CORDAC has been jointly sponsored by the Kansas Yearly Meeting of Friends, the Free Methodists, World Gospel Mission and other interested individuals (Howard Ellis, CABCO President Box 308, Haviland KS 67059, via Jim Kushner, Washington DC) CAMEROON LN-8

CANADA CBC Northern Service is still requesting listeners opinions on programming and reception reports--contrary to the many reports that the CBC has temporarily discontinued issuing QSL cards (Charley Hoffman, PA) There are a couple of misunderstandings here; CBCNS is a separate entity from RCI, and it is RCI which has changed its QSL policy--not discontinuing them but sending blanks to everybody on the program schedule mailing list, for them to fill out, send back to RCI for RCI to verify and return once more to the listener Asking for reception reports does not necessarily mean that QSLs are promised: Cops, I see what you mean, see June FRENDX, pg 31(gh)

CAPE VERDE During 1977, R. Clube Mindelo's frequency is 4755, not 4721; power 500 W (QSL from Manuel Galvão Teixeira to Paul Roubenburg, Ont, via GLDXA) CHINA LN-8

COOK ISLANDS RCI 3265 at very good level 9/5 at 0730 with terrible junk 50's rock'n'roll, frequent IDs; sounds 5 kW or so, good as the PNGs!! Heard w/Dave Foster at his farm 150 km NE of Melbourne (Geoff Cosier, Victoria) 3265 replaced 5045. Relayed R. Australia news at 0800, local weather 0812, 0842* (John Mainland, NZ, RADX 5/6)

ENGLAND Have noticed BEC off freq on 15065 instead of 15070, have you? (Louis Goldstein, MA, 7/6) Not at all! Are you sure about this? (gh) Cf LN-2; if 7325 could this could too.

GUAM (Cf Jun LN-3) The TWR freq I heard was around 11702, definitely below 11705. Now I see Walcutt says no, so I don't know who it was. I'm fed up with lousy info.(G. Bishop, PA)

HAITI I wrote 4VEH that they were off-freq, causing a nasty het with HCJB on 11835 until 1225; presto, a few days later they were almost zero-beat with HCJB. Can it be that among all the DX reports they get, nobody told them this before?? (Glenn Hauser, TN, RIB 7/6)

HONDURAS The government has closed R Paz at Choluteca, the first station of Acción Cultural Popular Hondureña network, a Catholic educational organization currently at odds with the military government and the main body of the Catholic church in Honduras (R Católica). (Wireless World, 4/77 via Bob LaRose, NY, via SWNS) The remaining ACPH stations are R. Progreso 4920; Radiolandia, reported on 4965 by Harry Jones, VA in TDXN; and R. San Isidro, reported on 4845 by Neal Perdue in TDXN. When not broadcasting ACPH productions, these stations carry normal commercial programming (SWNS) LV del Junco must be a daytime station on 49m, for its 3rd harmonic was caught closing at 2358 1/6, measured 18226.42, 3 x 6075.47(gh)

INDONESIA At times the 7920 harmonic of RRI Padang 3960 offers better reception than the fundamental (Rohan Goonetilleke, UADX 1/5) S/off at 1510 (N. Paliniswamy, India, UADX) Not in the WRTVH, but a well-known campus station on 6012 is Radio ITB (Institute Teknologi Bandung), heard daily around 1000 (Tatans Hartono, Yogyakarta, UADX 2/5) RRI Jakarta during 0500-0800 period is on new 15198, Programa Nasional, 4/5 et seq. // 11795 (Bob Padula, ADXN) On 15208 0759* 17/5 (Robert Yeo, Victoria, ADXN)

JAPAN Is FEN off the air on SW? As far as I observed in May, no sign of FEN on 3910/6155/ etc. MW outlet can be heard (Satoshi Wakisaka, Osaka, 31/5)

JORDAN Amman DS reverted to 11810 after 9740 briefly (BEGMS 19/5) They are testing a new 100 kW xmtz at random times relaying Arabic HS on 11920/11810/9740 (BBC WRC 15/6)

KOREA NORTH R Pyongyang noted on the 13m band, at 21611 $\frac{1}{2}$, 0840 8/5 // 9768. Is 3 x 7203.8 (Gib Junqua & Satoshi Wakisaka, Japan, SPEEDX) KCBS Hamhung 8328 at 0912, 3x2776 3/6 (Junqua)

KOREA SOUTH R Korea testing OOB 7520 in Korean at 1615 tune-in, 1700 Arabic to 1715 tune out. Not // the Korean pga on 9640, nor any other frequency (Isao Ugusa, FEDXR 25/5)

KUWAIT Certainly the strongest signal from the Arab world in Hawaii is R Kuwait 12085 around 1730, announced as to Eu, with 9580 to EAs/SEAs. They must be doing something right over there! (Dennis Streveler) Or, wrong, as they're apparently oblivious to Hawaii (gh)

LAOS (cf LN-3 & 8) Luang Prabang regional DS is observed on 4700 only; Houa Phan 7186/4665(BEG)

LIBYA On 6205, pop mx 2100-2300*, later on 6210 as of 23/5, first hrd. 11/5. No IDs, but gives parallels of 773 kHz and 90 MHz, and sometimes 9810 kHz. Sounds much like old RNI xmtz; is in GMT plus 2 zone as says s/off at "1 o'clock" at 2300*. No doubt well heard in US (Geoff Cosier & David Foster, Victoria) Not down here in the thunderstorm zone... (gh)

MALAYSIA One of the harmonics noted here in South Asia is VOM on 19500, 2 x 9750 at 1210 (Victor Goonetilleke, Sri Lanka, RN 27/5) Better than fundamental; one of regular harmonic stations here in Japan (Satoshi Wakisaka, 31/5) **MALGACHE** LN-8

NICARAGUA R Eco de Nicaragua ID heard 0255 16/4 on 6010, SINPO 23222 (Roger Pain, France, DSWCI) Quite a catch, as WRTVH list 100 watts, and never reported in NAM (gh)

NORWAY Tromsø 7240 is no longer on the air, per a letter from the Norwegian Telecomms. Admin, conforming WRTVH non-listing. Also said they had technical troubles with high-power xmtz, and it was not on during March to 25/4. Xmsn on 7240 at 2300, heard here very poorly, was 120 kW, log periodic aerial. I assume 250 kW back on air, now (Geoff Cosier, Victoria)

PAKISTAN R Pak is heard around 0900 on 23770, 2 x 11885 (Victor Goonetilleke, RN 27/5)

PERU Ondas del Titicaca, Puno heard after 0000 on 4922 (Jan Tunér, RN 10/6) My unID station on 4892 is R. San Juan de Tarma, per John Tuchscherer and Ralph Perry. Guess it's still on to 0450v* (Pitt McNeil, DC, TDXN 6/6) Not to be confused with Centinela del Sur(gh)

PHILIPPINES VOA on 6010 at *1059.13/5 ID "resuming transmission from the Philippines" That they had quit giving sites (Jack Jones, MS) No, the Philippines remains proud to be associated with America. As Okinawa closed, VOA replaced a 15 kW xmtz there on 6010 with a 250 kW in Tinang, so-some loss! (gh) Almost SW channels, using VOA Okinawa, may be changed its transmitter site to Philippines. For example, famous Okinawa's channel 7165 kHz is now announcing as Philippines (Yoshiaki Hayashi, FEDXR 25/5) There are no additional VOA xmtzs in Philippines with 3 each at Poro and Tinang, and more use is being made of the six 50 kW transportable units (Robert Jones, NSW, ADXN 6/77)

RHODESIA The national anthem is the "Ode to Joy" with appropriate re-wording, played when TV signs off (some TV documentary via gh) So does radio use it too? (gh)

St. HELENA We quote from a recent report from the Info Office: "Unique is the fact that both transmitting and broadcasting equipment are installed in the same building (1 gh) A large proportion of the equipment in use is of pre-war vintage, and includes two $\frac{1}{2}$ kW MW xmtzs (one in use and one on stand by), and one 350 W SW xmtz. During Aug-Nov 1973 tests were carried out on 11830/6100 to see if it was possible to simulcast local MW broadcasts to the 400 or so St. Helenians based on Ascension Island some 700 miles away. Reception reports by BBC personnel and others indicated the xmsns could be heard only on professional receivers, so consequently the attempt to bring about such a link had to be abandoned until ways and means could be found to improve the situation"(NL) They should have dedicated one professional rx to this, and rebroadcast the signal at Ascension on MW or FM (gh)

SA'UDI ARABIA BSKSA is heard around 0900 on 23710, 2 x 11855 (Goonetilleke, RN 27/5)

SEYCHELLES I noted in the 9/6 "Globe & Mail" there was a coup here. Is FEBA still on the air? Not noted here, but maybe my equipment (Mike Bollith, Toronto) FEBA has not been heard since the coup (BBC WRC 15/6) On 9/6 at approx. 11750 I heard the "What a Friend" IS, then "FEBA, Seychelles. For a temporary period this station will not be broadcasting at the request of the provisional government, for security reasons" and suddenly off at 0321 (Syd Osterman, Toronto) Have been checking 11755 here around 0315, and still no sign of it as of 18/6. Pre-coup reception had been quite good, e.g. 3/6, despite RHC adjacent 11760 (gh)

SOLOMON ISLANDS SI BC Corp. (new name) operates 1830-1200 on 5020, 2230-0530 on 9545, both 5 kW (NL) Special extended sked, Sun 22/5 0600-0700, religious BC for kids, dominant over DW // 5020 (Bob Padula, Victoria, TDXN) Relayed R. Australia nx at 0600, under DW (Peter Bunn, Victoria, ADXN) I am hearing SIBS around 0645-0757 when buried by VOA s/on, on 2545. Pgm is varied; records, local nx, ID, RA nx at 0700, ads, varies format from day to day; sometimes also relays RNZ (Syd Osterman, Toronto, 9/6)

SRI LANKA (Cf May LN-5, Jun LN-12) SLBC uses 35 kW VOA xmters on 11955/15120/17850. Its own 35 on 7190; 10 kW on 6005/6075; and 100 kW on 7190 after 1500; 9720/11800/15425 (Victor G.)

SUDAN/EGYPT Omdurman radio reported 20/5 that on occasions of national importance, the radios of Sudan and Egypt will relay each others' programmes (BBC MS 26/5)

TAIWAN (Cf Jun LN-5) It appears the Kaohsiung Fishing News Station is operated from the same facilities as utility station XSW (Mike Hardester, Okinawa, SCDX 24/5) First noted 4/5 on 1690 ex-1700, still daily, poor-to-good signal (Hardester, TDXN) URUGUAY; USA LN-8

USSR R. Leningrad pgm on 5960 at 1100 22/5 with ID 1103, into pgm of disco mx: Someone pushed the wrong button on this Japanese-only channel--but that music...What's going on in Leningrad these days?!! (Geoff Cosier, Vic.) Moscow is heard on 30260 at 1200, 2 x 15130 (Victor Goonetilleke, RN 27/5) The special pgm for seamen "Kamchatka Rybatskaya" at 1800-1900 seemed to change fqs on 20/4. The new ones should be among 6000/6020/6175/9710/11720/12010, not yet confirmed (JADX via FEDXR) more on LN-8

VIETNAM Hanoi radio announced that "Voice of Vietnam" has been renamed "Vietnam Radio and Television Commission" and placed directly under control of the Council of Ministers (BBCMS 19/5) In late May still announces as VOV (Tiếng nói Việt-Nam), VRTC not mentioned in ID. VOV in Ho Chi Minh City observed on 6165/9620 opening with same music as Hanoi in morning, replacing time pip opening; ID, then national anthem. Has own pgm at *2156-2300, *0800-1100 1130-1400, 1500-1605; relays first pgm at 2300-7, 1100-1130, 1400-1500. (Cf Jun LN-6) Stn on 4778 in early May moved to 4772, is traced from 1023 past 1200, closing by 1230. Has own pgm in Viet at 1023 f/in to 1100; relays 1st pgm at 1100-1130, and own pgm in local dialect at 1130 past 1200. Do not confuse with N. Korea 4770 or Tay Bac 4769. On 4680, Voice of the Govt (tent), Hue City observed in May with own pgm at 1030-1100, 1200-1230, 1300-1330, 1500-1530. In between, relays 1st pgm (Isao Ugusa, FEDXR 25/5)

CLANDESTINE CRANNY Voice of the People of Thailand Per Bangkok Post, 3/6 Lt.Gen. Angkun Thattanon, border police commissioner, disclosed that VOPT is located in Ken Thao, opposite Nao Haeo District in the Laotian province of Loel and not, as previously believed, in southern China or somewhere in the Golden Triangle area of Laos. Earlier reports had suggested the xmters were near Kunming, Yunnan (BBCMS 9/6) Voice of the People of Burma 1030-1130 in Burmese changed 1/5 to 1400-1500, Tue/Thu/Fri/Sun on 6304 (BBCMS 19/5) Voice of the Malayan Revolution (cf May LN-10) heard in English 1500-1530, 15-18-20/5, fair to good; polit. contry, rev. songs on 11830 (Don Rojewski, WA) // 15790 (Yoshiaki Hayashi, JADX via RA DX 19/6)

Voice of Palestine, Voice of the Palestine Revolution is again active, 1630-1800 on 1520 kHz in Arabic; formerly was on 1515 (BBC MS 9/6) Voice of the One Lebanon (Sawt Lubnan al-Wahid) is observed since 11/5 on 9510/6170--the same freqs as Voice of Arab Syria--announcing daily broadcasts at 1030-1130, 2030-2130; anti-Syrian, left-wing (BBC MS 19/5)

Free Radio of the Voice of South Lebanon, or Voice of the Free South Lebanese Forces began 22/5, pro-Lebanese Phalangist, has been quoted by IBA and R. Baghdad, details unk (BBCMS) Voice of the Eritrean Liberation Front, V. of the Eritrean Revolution, V. of Eritrea are names variously used by Omdurman's ES pgm on 6150/5038 at 1500-1600 in Arabic/Tigrina (BBC) Voice of Free Africa 18/5 introduced Eng pgm on 998 kHz Weds only 1840-1900, in addition to the usual daily Portuguese at 1800-1900, as suggested by the Council of Mozambique National Resistance. Site is believed to be Gwelo, Rhodesia (BBC MS) R. Mozambique's "Patriotic (BBC Front)" news in English for Rhodesia as from 15/5 was to be on 49/60/90m--6115/4865/3210 (MS)

PIRATES France's first pirate station is ready to begin transmitting despite a modicum of govt opposition. The mobile station set up by The Friends of the Earth, an ecological group, is to broadcast from various points in Paris, jammed by government machinery on the Eiffel Tower. Station is soliciting public for discs and tapes of ecology-related music and poetry. TDF had turned down an earlier request to broadcast via TDF (Paul S. Lots of CA, SWNS, from Billboard, 28/5) "WBLO, Box 946, Sacramento CA" hrd on 3880 0328 4/6 (Hutchins, ME)

R. Zodiac International, the international voice of good music, provides an info sheet showing xmtx with 21 watts output, freqs in order of preference 6235, 6219.5, 6225, 6275. DJs are Martin Allen, Dave Sinclair Jr., Brian Ellis, Chris Patricks. Formed 6/74, first BC in 3/75; reports received from GB, Eire, Germany, Holland, Italy, Sweden, Norway, Newfoundland Xmsns spasmodic until 8/76 when became regular from mobile units, occasional fixed locations Format is album tracks plus good current singles and oldies. Correct reports are QSLed if 2 IRCs are enclosed, to R.Z.I., 13, The Chase, Crawley, Sussex, Great Britain (Andy Robins)

Radio España Independiente still on air after Spanish elections, 1745 on 12140 no jam (REWood)

Voice of Zimbabwe pgm in Eng from R. Mozambique at 1800-1815 observed on 4855 (BECMS 2/6)

Voice of Arab Lebanon MENA reported from Beirut 30/5 that sources in the Independent Nasirite Movement stated it was decided to temporarily suspend its "VOAL" xmsns. The movement expressed readiness to cease permanently if the "Voice of Lebanon", set up by the Leb. Phalangist Party, also stopped. It warned that VOAL would resume 'after boosting and strengthening its radio' if the Phalangist Party did not cease its broadcasts. VOAL has been on 1460 kHz since 25/9/75; VOL since 24/9/75 on 6850 and 866 kHz (BECMS 2/6)

MISCELÁNEA RADIAL (Late items crossreferenced in previous M.R. section)

ANGOLA R. Ecclesia, Luanda, 3355, appears to have been nationalized and incorporated into R. Nacional de Angola. Noted at 2400* with identical pgm and s/off // RNA 3375 (Wood, 17/6)

GAMBROUN R. Yaoundé noted 7/6 from 2100 past 2200 on 5105 with stronger signal than // 4972.5. Maybe testing new 100 kW xmtx, as in WRTVH 77? (Neth. reporter to SCDX 22/6)

CHINA R. Peking in Chinese heard at 0912 on 18580, 2 x 9290 on 3/6 (Gib Junqua, Japan)

LAOS Luang Prabang heard on 8396 with nx, contry, march, Lao mx; 6975/8186 were not audible (Akabayashi, Japan, HADX via R. Australia DX 19/6 which adds: no time given but evening)

MADAGASCAR R. Madagasikary noted on 3288 *0300 Mal/French, rather than listed 3232. Good strength. 3288 not listed as active in WRTVH 77 (Richard Wood, NY, 17/6, soon to be in PR)

URUGUAY SODRE, Montevideo listed on 9620 is hrd on 9515, where R. Sarandí is listed, with clear ID, classical mx, low-keyed presentation, s/off, anthem 0300 (Richard E Wood, NY)

USA NY radio station owner R. Peter Straus has been selected to be director of VOA. Straus speaks five foreign languages, is owner of WMCA and heads a group which purchased Saturday Review in March. He is married to a cousin of NY Times publisher Arthur O. Sulzberger. A liberal Democrat, Straus is expected to bring to the VOA a cast of mind poles apart from that of the last director, Kenneth R. Giddens, Mobile AL, a conservative in the Cold War tradition. Straus' selection, subject only to security and conflict-of-interest clearance processes, is seen likely to enhance VOA status (Don Oberdorfer, Wash. Post 12/6 via O'camp)

USSR Lots of fun looking for harmonics and finding the fundamental. It also means I can fool with the receiver without having to wait until after midnight local time for some "goodies". R. Moscow at 0755 in Russian on 24240/23980 2 x 12120 and 11990, 31/5. On 28240 at 0731 9/6, Russian, 4 x 7210; on 28280 at 0755 9/6 Russian, Vladivostok? 2 x 4040. And R. Station Peace & Progress, Chinese on 23280 at 0809 9/6, 2 x 11940 (Gib Junqua, Japan) I guess you meant 23880 on that last one? And 28840, not 28240? (gh)

FUTURE PLANS WARC REPORT In its 5th Notice of Inquiry, published in the Federal Register 31/5, the FCC makes some surprising proposals for the US position at the 1979 World Administrative Radio Conference in Geneva. Among them: No station using A3 (standard AM) shall have an ERP greater than 20 megawatts. Any broadcaster on HF whose target area is partially or wholly domestic shall have an ERP no greater than 50 kW. Broadcast stations serving a domestic area shall operate below 7500 kHz. All stations shall convert to compatible SSB. No administration shall use more than one frequency per band per target zone. No broadcast transmitter shall supply to the transmission line more than one milliwatt for any spurious emission. To meet this standard, for example with a Marconi B 6122 250 kW xmtx, a further 24 db of suppression would be needed! Band expansions for international broadcasting, mostly to be shared with fixed, are proposed as follows: new bands at 4063-4123, 7250-7500, 13700-13800 kHz; present bands to be extended down to 11600, up to 15550, down to 17600. Also proposes to add LWBC and expand MW (David Mackes MD; frequencies also via Tom Overcamp, SC)

HAWAII A new station which will be on the air soon on 5975/9545 is Radio Nacional de Hawaii whose name indicates it will be broadcasting in Spanish (Wolfgang ---, CFR, SCDX 22/6) How could a DX editor fall for something like this? (gh)

UNITED ARAB EMIRATES (more to LN-9) QNA reported 29/5 that the Eritrean Popular Liberation Forces say the UAA have helped buy a powerful xmtx now being installed which would begin xmsns in two months (BECMS 2/6)

USA USIA Director John E. Reinhardt has been fighting to keep VOA within USIA, but supports much autonomy for it; he plans to upgrade VOA in USIA. Carter about to decide (Wash Post)

AUSTRALIA Sir Kenneth Waller, ex-head of the Foreign Affairs Dept. headed an independent inquiry into Radio Australia recommending expenditure of more than \$69 million in upgrading over six years, the radio reported on 2/6. The report recommended a two-part plan of rehabilitation and development for RA, with 15 million dollars spent over the first three years and 54 million in the second three years. 2½ million had already been earmarked for RA in the coming budget. This will be spent on the Shepparton transmitter, and the reconstruction of the Cox Peninsula station at Darwin or an alternative site. The Waller Report recommended an expanded role for RA, with extensions and additions to present language services, and the development of a permanent transmitting station on the northwest Cape of Western Australia to replace the temporary station at Carnarvon (BBCMS 9/6; Club Forum 4/6 via John Wege-ner; Richard N. Allen)

BANGLADESH Per the newspaper "Ittefaq", a BC Committee report recommended to the govt that R. Bangladesh should become a corporation and improve its administrative system. It also referred to the dilapidated condition of equipment in all RB stations, in particular Dacca. Much equipment, including transmitters, was inoperative thru lack of maintenance and spare parts (BBC MS 19/5)

FRG-7 So far, the factory has not indicated to us that a built-in digital model FRG-7 is in the near future, but it is possible, since we have had quite a lot of interest in one, and Yaesu's engineering group is one of the most creative in the world on receiver designs. (Bernard E. Tower, General Manager, YAESU, Paramount CA, via Ed Insinger, NJ)

GUAM KTWR keeps planning ahead, despite continual delays in activation. Here is their projected tentative S77 sked, for Sept-Oct: 1100-1500 9575/11705; 2100-2300 15155; 2300-2400 11705/15155; 0000-0130 15155; 0900-1100 11780; 1015-1100 11705 (M. Noguchi, JADX via ADXN)

INDIA Delhi GOS reported 31/5 that the Info & BC Minister, L. K. Advani, had announced the govt's intention to set up a committee to recommend methods of procedure for converting AIR into an autonomous corporation. He added that the govt's overall aim is to complete conversion in a year (BBCMS 9/6)

LUXEMBOURG Norske Radio plans to begin a 15-min Norwegian pgm via R Luxembourg come September due to the great popularity RL enjoys amongst Norwegian youth (R Norway news via Eric Johansen, Denmark, via SGDX Spanish 15/6, via gh)

OMAN BBC Eastern Relay has 2 x 200 kW SW xmtrs under construction for operation soon (Head of Schedule Unit, BBC, via NL) The Eastern Relay MW stn is off the air due to aerial wreckage caused by a hurricane; some of the staff are homeless (BBC WRC 15/6) Two MW masts were blown down. It'll be a good number of weeks before Masirah is back on the air (Letterbox 18/6) No word about how this affects construction of SW facilities there (gh)

SAUDI ARABIA Per Riyadh radio, on 15/5 the Info Min signed contracts with a British consultative company to prepare a survey of the projected "Call of Islam" studios to be built in Jiddah. The project should be completed in about four years (BBCMS 19/5)

UNITED ARAB EMIRATES QNA, the Qatari News Agency, reported 31/5 that the UAE Info Ministry is studying plans to set up a special stn for bedouins. It would BC to nomads in the desert and remote areas as a regional station of the main radio in Abu Dhabi. Programs would be 'inspired by the bedouin environment and feature Arab and Islamic values and Arab and popular legacies of the desert people' (BBCMS 9/6) More on LN-8

USA Work on WYFR's new xmtr site in Florida is becoming a reality. Construction of a 11200 sq ft xmtr building is well underway, with the foundations laid and the walls emerging. Hopefully sometime this year WYFR will begin its first xmsns from FL (WYFR spring/summer newsletter, via Charley Hoffman, PA who adds: Maybe WYFR will beat TWR Guam on the air?) WWV's decision to drop 20 and 25 MHz, and WWVH, 20, will be reviewed as the sunspot cycle changes (NL) More, on VOA, LN-8

YUGOSLAVIA (Of Jun LN-8) The task of R. Yugoslavia will be to 'inform the world on the truth about Yugoslavia and its views with regard to world affairs'. It will shortly start broadcasting on HF in nine foreign languages, but 30 languages are envisaged. The new station, headquartered in Belgrade, will transmit three pgms:- for neighbouring countries, for Eu/NAF, and for the other continents. Most of RY's pgming will be for Yugoslavs temporarily employed abroad (BBCMS 12/5)

PROGRAM NEWS AUSTRIA ORF has a travel and vacation service, presumably in German, weekdays at 0645-0655 on 6155/15410; 1300-1315 on 6155/9770/11790; 1555-1600 on 6155/9770; includes weather, road reports, paging (via NASWA HQ)

HUNGARY Some R. Budapest July pgms: Weather Watchers--on anti-hail storm techniques, Thu 14/7 at 0315 & Sat 16/7 0215; a week later at same times, Oh Mr. Postman: on modern ways to speed the mail. Backgrounds, Sun 17/7 0215 & Mon 18/7 0315, on the lives and musical choices of RB announcers; a week later at same times, On the House, topics earthquakes, Christian names, language blocks, private enterprise, Rippl Ronald the painter, motor sports; And at the Thu/Sat times above on 28/7, 30/7, When One Million Pengos Couldn't Buy a Box of Matches, on monetary policies since the 1946 inflation (Budapest International, gh selected)

ISRAEL Some IBA highlights: Sun, Calling All Listeners, a mailbag pgm; Tue, Hit Parade; Fri, TGIF, a Sabbath Eve magazine; Sat, This Week--news roundup; Mon at 2000, Thu 2230, a repeat of the Hebrew lesson series Ulpan of the Air, with Dina, a new immigrant from the US, and her boyfriend, Moshe, a newcomer from the USSR. There will be a special holiday program Aug 23/24 for the Feast of the Ninth of Av, at 2000/2230/1200 (IBA via Heckenlively, SD)

MALAWI MBC on 7130/5995 and/or 3380 has these English pgms: 0540-0600 Sat, University Magazine; 0845-0900 Sun, Upgrading Talks; 1027-1030 Mon-Fri program preview; 1040-1050 Mon-Fri, Newsreel; 1057-1100 Sat/Sun pgm preview; 1403-1415 Tue, Africa A-Z (same as BBC pgm of last year?); and Wed, Capital City Calling; 1610-1630 Tue, Spotlight on Africa; Thu, International Crossroads; Fri, Weekend Diary. 1730-1758 Mon, Dawn over Malawi; Thu, People at Work and Sat, Newsroom Malawi. 1758-1800, pgm preview. 1815-1825 Mon-Fri, Voices in the News; 1945-2000 Thu, Upgrading Talks; Fri, Our Country. 2004-2035 Thu, Midweek Magazine (BBCMS)

SOUTH AFRICA HS broadcasts can be very interesting! Heard consistently in Hawaii are SABC-English on 7285 around 0600-0700, and even more interesting, Springbok Radio on 7285, sometimes drowned out by hams but otherwise quite comfortable listening. Springbok regularly features a call-in show in English and Afrikaans--in some ways far more enlightening than the stuff from Radio RSA (Dennis Streveler)

UKOGBANI If you seek better reception of Alistair Cooke's "Letter from America" you might try GMT Sundays at 0545 GMT on 6175 et al. (John Wegener, IL) Here are gh's picks for July from London Calling: A seven-part history of Elton John begins 16/7--Sats 0030, Mons 0945, 1530, Tues 1330. A new series of My Word! quizzes begins 9/7--Sats (exc 23, 30) 2030, Mons 0230, Weds 1615, Thurs 1030. A.P. Herbert--Tribute to a Miscellaneous Man, 9th 0030, 11th 0945, 12th 1330. Storehouses of the World begins with Amazonia, 31/7 1709, 2/8 1709, 3/8 1030. We Don't Take Monsey Here--on credit card phenomenon, Wed 20th 1709, Thu 0230, Fri 1130. In the documentary cycle Wed 1430/Thu 0030/Fri 1830: Spare-Part Surgery the first two weeks, then The Royal Albert Hall, and The Mystery of Loch Ness. Balzac's novel, A Shady Business, full of Napoleonic intrigue, begins a 6-part dramatization 23/7--Sats 0230, Mons 1345, Frys 0945. Another 6-parter is a reading of Three Men in a Boat, by Jerome K. Jerome, considered the funniest book in the English language. Mons 1430, Frys 0830, 2030. And the quiz Brain of Britain continues, Sats 0830, Weds 1215, Thurs (exc 21, 28) 1830, Frys 2330. Anthony Hopkins Talking About Music, Suns 2130, Tues 0830, 1615. Llangollen Elstedd fod, an international choral festival in Wales is covered 13th 2115, 14th 1015, 15th 0145.

USA Ben Grauer, host of VOA's "New York, New York" died suddenly of a coronary 31/5. As the programs were taped about 6 weeks in advance, you may hear his last in July, Saturdays at 1130 on 5955/6110/6185/9565; 1530 6110/9760; 1830 21670/21485/17710/15445/15410; 1930 on 17785/15250/15205; Sun 0130 15205/11740/9640/6130; among other freqs (Hauser, RIB 7/6)

DX PROGRAMS

CANADA RCI had a DX Digest on 15325 at 2040-2048 (Jon Cohen, NJ) Sunday in all 30-min English xmsns, produced by Ian McFarland. So far, no DX tips, just talks marginally related to DXing (gh) GERMINY EAST below

INDIA Yuavani Calling DXers by A. J. Sampath is heard on AIR Hyderabad, 1380 kHz, the last Monday of the month at 1300-1325 (Union of Asian DXers)

LATVIA R Riga has Swedish DX pgms the 2nd and last Thursday at 2130-2200 on 575/5935 (HGJB)

MALTA AWR has a DX pgm in French produced by TELEX at 0730-0745 Sundays on 9745 (ADYN)

MEXICO R Mexico has a Spanish DX pgm Mon 1400, Tue 0200, by Ramón A. Barragán, on 9705/15385 (N. Rubio, MARPLA DX Club via PLAY-DX) Noted at 0207, combined with mailbag (gh)

SPAIN RTVE's Spanish DX pgm has been rescheduled to Suns at 0050/0250/0450 (Wegener, IL) μ

USA Now that I've become an enthusiastic SWL, I am including a DX feature on the monthly 2-hour "Thin Aire" program I produce for KPFA-94.1 & KPFB-89.3 Berkeley CA, also on KFCF-88.1 MHz Fresno, the 2nd Thursday of each month at 2200 GMT. I'd appreciate listener reports or any other contribution (Howard Moscovitz, Oakland CA) Even those a kilomile away might luck into getting this by sporadic E, FM DX peaking this time of year (gh) A MARS ham net meets around 1600 GMT Sats with good technical tips on antenna construction, etc, on USB 7303 kHz. I've also heard rumors of a similar net on 14235 Sats, unchecked (Underdown, AR)

USSR R. Moscow's DX pgm, Thu 2245, Fri 0015/0215 among other times (John Wegener, RIB 7/6) Some DX tips have been included, and on 16/6 some station skeds, all, no doubt quite by coincidence, from fraternal socialist countries--but an ANARCON plug was given too (gh) (Cf Jun LN-12) The R. Moscow French "Amateurs d'Ondes Courtes" pgm is on 2nd and 4th Sat at 1800 (R. Budapest Spanish DX 21/6) Their accuracy is awful, so maybe is really Sunday (gh)

SPAIN (more) The RTVE DX pgm is also in Spanish to Eu Sun at 2100. Official announced times to Ams are 0047/0247/0447, and the English around 0147/0247/0347 are translations (RTVE, gh)

GERMANY EAST RBI's fortnightly DX pgm (what if there are five Mondays?) noted Tue 21/6 0359-0406 on 11890 with a talk on decibels, and attributing the name to Graham Alexander Bell, which would have been the more appropriate order, considering his gift to the world (gh)

PUBLICATIONS

Tropical Band Survey, 5th edition, was to become available at the end of June. Covers all stations known to be active at present in the 2000-5900 kHz range. 5 IRCs (8 for airmail) from DSWCI, c/o Per Sørensen, Tage Hansensgade 7, 2mf., DK-8000 Århus C, Denmark (NL) A handy tool, but in the past has discriminated against harmonics; and one hopes the list-loggings rampant in SW News have been weeded out.

SPREX Utility Guide, 1977 edition is now available at \$6.95. It's a 231-page comb-bound book in four main sections--HF, including miscellaneous lists, tables and short articles; US Coast Guard, with an extensive list of such stations; longwave; and station data, the last accounting for almost 100 pages, a country-by-country listing of stations, addresses, frequencies, QSL policies. All the copy is reproduced from poorly-aligned manual typewriters. The accuracy of the data is difficult to evaluate, but the Spanish and French report forms have several misspellings which no doubt will amuse utility stations which keep getting the same errors from different people. The attempt to transcribe voice markers of the world should not have been undertaken without a basic knowledge of French, Portuguese and Spanish. My copy now has red marks all over it. Box E, Elsinore CA 92330 (gh)

International Listener, a SW magazine published by Ed Mayberry in Austin, Texas, and in which many subscribers invested their money and their faith, has moved and left no forwarding address, a year after ceasing publication (via Don Manley, Topeka KS, on DXPL 31/5)

Fine Tuning is a new elitist DX bulletin which hopes to have as low a profile as Número Uno. Backing it are some ex-editors of FRENEX who believe this journal no longer has much to offer the serious DXer and who were alienated from the present management earlier this year. But, don't bother trying to join or subscribe. If its publisher feels you qualify as an active DXer, he'll call you (gh)

SW DX Guide. Those who have seen the Japan SW Club's magazine and were unimpressed may want to take another look. The size has been doubled, it has a full-colour cover, there are illustrations and the English portions are typeset. Domestic price is ¥ 150 per copy or ¥1800 per year; overseas rates unknown. JSWC, Box 1665, GPO Tokyo 100-91, Japan (gh)

Review of International Broadcasting, available only directly from gh, is for those who feel there's more to SW than scorebook totals and QSLs--and who may feel LN is too statistical. Here the readers can exchange views of what stations are saying. There are special articles such as one on the late Ben Grauer; and special features such as a current DX program schedule, both in the June issue. Samples 50¢ or 5 IRCs overseas; 12 issues for \$6.00 or by international air, \$11.00. Please remit in US funds payable to Glenn Hauser.

The Lyndhurst Transmitting Station is a two-page carefully researched article on the history since 1928 of this Radio Australia site, by Robert Jones. 2 IRCs worldwide surface will get it from Australian Radio DX Club, Box 227, Box Hill, Victoria 3128 (R. Australia DX 29/5)

Voice of America Relay Bases is a 16-page FRENEX-size booklet written by Adrian Peterson, who has visited many of the sites. The you will learn about Bound Brook and Algiers, it is nevertheless incomplete. Essentially the same material has already been serialized in several DX publications. 9 IRCs (US\$3) airmail worldwide, 6 IRCs/US\$2 surface, from ARDXG(gh)

BBC Day-to-Day Guide to Programmes and Frequencies There is a way to beat the outrageous price of "London Calling" yet keep current with BBC's outstanding SW offerings. Request to be on the free mailing list for this; the info is almost identical to that in LC (Dennis Streveter, HI) Now the word's out, how long will it remain free? Arts Review is another alternative, a quarterly listing of features, talks, drama, serials, readings, music (gh)

Guosi Shudian, Box 399, Peking, PRC provides inexpensive recordings, if you like the Chinese music played on Radio Peking (N Mark Seltzer, Ont) Better be; hard to send US money to PRC.

Broadcasting in Peninsular Malaysia, by Ronny Adhikarya et al., \$6.50 from Routledge & Kegan Paul, 9 Park St., Boston MA 02108. A 1977 case study, 102p softbound in the International Institute of Communications (London) series. Rather dull unless a Malaysia freak (gh)

Nanzi Stories, Curaçao Folklore, the first and only Papiamentu original available in English translated by Richard E. Wood. US\$4 from Stichting Wetenschappelijke Bibliotheek, Drukkerijstraat 4, Curaçao, Netherlands/Antilles. Illustrated.

Review of the Popular Electronics/Mattis Elec. Frequency Counter Project, by Bill Whitacre, from experience, for 1 IRC and a SASE; also available at same price are a review of the QF-1 audio filter; and by Andy Robins, a survey of the 5200-7000 kHz range. GLDXA, 2609 Devonshire, Lansing MI 48910. The remaining items are from Hugh Miller, WA1

A New Receiver Design Principle, Ham Radio Horizons magazine 5/77. Excellent, very understandable article on the Wadley-loop receiver, using the SSR-1 as the discussion example. Plus good article on sunspots and future DX prospects. In the 3/77 issue, a listing of used receiver features and typical prices for common SW sets. Articles on history of ham radio.

Stereo Review, 5/77 has an article on solving audio RFI problems; techniques may prove useful for radio listeners with similar problems.

Fair Radio Sales 77 Catalog, surplus reference. 25¢ from Box 1105, Lima OH 45802.

SOS, The Story of Radio-Communication, by G. E. C. Wedlake, 1973. Crane, Russak Co. In 1920 began the world's first regular daily broadcasts. The station was at Chelmsford, UK on 120 kHz, and its programmes were heard at sea and in the USA. If somewhat obscure facts like this on pre-WWII radio turn you on, this book will fascinate you.

Men and Volts at War, the story of General Electric in WWII, by J. A. Miller, 1947. Among much else, a few pages on GE's wartime military radios and SWBC stations--one of the latter, KGEI.

Associated Radio has a picture catalog of radio equipment, used, reconditioned, only one page of general coverage rx but pix and prices may be worthwhile. 8012 Conser, Overland Park KS 66204.

Surplus News is mostly a catalog of tech manuals, also prints pictures and schematics of equipment. \$1 for a sample -- Quaker Electronics, Box 215, Hunlock Creek PA 18621.

Long Wave Club of America is publishing its first three years of the bulletin "Lowdown". The mundane industrial nature of most LW DX won't interest the program-oriented SWL; each winter, however, several Euro and USSR LWEC stations can be heard, and this list will show where and when. Year Two is available for \$3.00 from Ralph Sanserino, 8422 Crane Circle, Huntington Beach CA 92646 (all above from Hugh Miller, Seattle)

Royal Canadian Air Farce, the CBC comedy program now off for the summer, was featured in an article in the June 4 issue of "The Canadian" magazine, the Saturday newspaper supplement (RCAP)

Canadian SWL International is a new club now being formed, and open to all. Those interested in suggesting its orientation are invited to contact John J. Garner, 980 Georgina Bay, Thunder Bay, Ontario, P7E 3H7 (Garner)

DX CALENDAR

July

- 18 Uruguay Constitution Day
- 19 Brazil Rôif Taubatê, 36
- Haiti V Rev Duval., 24
- 20 Ecuador V Galápagos, 8
- Colombia, Indep. Day
- 21 Belgium National Day
- 22 Poland, Liberation Day
- 23 Colombia, V. Cali, 24
- Egypt, Revolution Day
- 26 Liberia, Indep. Day
- Peru, R. Loreto, 34
- 29 Norway, Oslo Day
- 31 Ghana, R Ghana, 42
- August
- 1 Switz, Confed. Day
- 3 Yemen, SYBS, 23
- Benin, Indep. Day
- 5 Colombia, Const. Day
- 6 Bolivia, Indep. Day
- Guatemala, TGNA, 27
- 7 Ivory Coast, Indep. Day
- Andorra, R Andorra, 38
- 10 Brazil, R Jornal Br. 42
- Ecuador, R Cenit, 22
- Ecuador, Indep. Day
- 14 Pakistan, Nat'l Day
- 15 Congo, Nat'l Day
- (Ceas van der Zalm, BDXG)

NEW DIRECTIONS RADIO

Some hams are into heavy talk on the air, not just chit-chat about gear and weather. Here's a sked of some of the NDR nets you can monitor:

3898 2000 PDT SuTT
3898 1200 PDT daily
7240 1230 PDT daily
3988 1300 GDT Sun
3988 2000 GDT Thu
3825 1900 EDT Mon
14345 1900 GMT Sun

Farm Nets:
7160 0900 GDT MWF
7235 1200 GDT MWF
21282 1300 GDT daily

Alternate Sources of Energy Nets:

14345 1830 GMT Sun
14070 1800 GMT Sun
All are on SSB, except the last, CW (via G. Wood) (Boston Globe 2/4/4, via Tom Hartnett)!!!

SIDEL NAMED WHITE HOUSE FELLOW

Dr. M. Kent Sidel, assistant professor of broadcasting at UT, Knoxville, has been awarded a 1977-78 White House Fellowship. Dr. Sidel, whose specialty is international broadcasting, is one of two fellowship recipients appointed to the Office of Telecommunications Policy (OTIP) in the Executive Office of the President. This is the first year of the OTIP post-doctoral fellowship program. Dr. Sidel will begin work in Washington in June while on a year's leave of absence from the faculty of the UTK College of Communications.

Radio Moscow — a softer line

By Thomas Kent Associated Press

MOSCOW — Radio Moscow, once known for hardline Communist propaganda, now stresses détente in its broadcasts around the world.

With 24-hour programming in nearly 70 languages, station officials claim Radio Moscow's broadcasts are also reaching more people than ever.

"We've had a 50 percent rise in letters from listeners in the United States and Britain just from 1975 to 1976," says Ghely Shakhiv, a Radio Moscow editor for English language programs.

"We carry no insults or rude words in our programs to the United States. For us, encouraging cooperation is the main thing."

To the ordinary Western listener, Radio Moscow's broadcasts may still sound heavily political. The emphasis is on world news — "written in line with our conceptions," as one official put it — and on positive news from the Soviet Union.

Yet the Radio Moscow staff gives itself high marks for keeping a generally friendly attitude in its broadcasts to the West.

"The United States had problems with the cold last winter and we could have made a lot out of that," Shakhov said in an interview at Radio Moscow's headquarters, a tall building in central Moscow crowded with studios and newsrooms.

"We decided not to, though. We didn't talk about how bad it was for you, but about how we deal with these same problems."

Shakhov snapped on a radio on his desk which he apparently keeps tuned in to the Voice of America. The US government station at that moment was broadcasting, in Russian, news of Soviet dissidents.

"Listening to the Voice of America you get the impres-

sion it is not so much the Voice of America as the voice of Soviet dissidents," said Iosif Adamov, a Radio Moscow announcer with an almost perfect English accent. "But I think our general tone is friendly."

Many Westerners do not have such a benign view of Radio Moscow, which a Soviet publication says includes a political board to make sure the station's ideological line is always correct. Two Radio Moscow staffers make a weekly trip to the Soviet Foreign Ministry to keep in touch with the latest official political positions.

When the former US Secretary of State Henry A. Kissinger was making his shuttles through southern Africa last year, Radio Moscow's African service regularly broadcast the opinion that his mission was a ruse to keep the white Rhodesian and South African governments in power. The station has also been a key link in the Soviet propaganda war against mainland China.

The Soviet Union regularly complains that the Voice of America and other foreign stations interfere with "Soviet internal affairs" when they cover alleged Soviet persecution of dissidents.

Yet Radio Moscow recently broadcast to Great Britain and Ireland reports of alleged British mistreatment of Irish prisoners. The station has also carried reports in its North American service about the trial of the "Williamston 10," a group of American black activists who recently received heavy jail terms for allegedly burning down a barn.

"We try not to broadcast too much of this type of material," Shakhov said.

"A situation can arise, if the Voice of America can't control itself and goes back to cold war positions, where we would be forced to review our programming," he added.

QSL REPORT



BILL OLIVER, EDITOR
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JULY 1977

Another peaceful month, mainly because at least six contributors missed the deadline which fell on June 11 for this issue. My deadline is always the third Saturday from the end of the month. Dates are given at the end of "QSL Report". All the material which arrived too late will be in the next issue.

One bright spot is the appearance of Dennis Streveler as our first contributor from Hawaii (HI). Aloha, Dennis. We're now lacking only Alaska and Utah.

Please remember to use only one side of the paper when writing your reports. The material has to be cut up into separate items and with writing on both sides, this becomes a little difficult. Enough complaining. Onward..

- AFGHANISTAN:** R. Afghanistan, 15230-Kabul, card in 6 weeks. (Padula-AUST).
ALBANIA: R. Tirana, 7300, f/d "Revolutionaire" card and sked in 58 days. No rp. (Poppin-CA); same in 3 months. No rp. (Neff-IL): 9480, same in 65 days on 2nd try. Freq listed as "31 mb". (Ebert-WI).
ALGERIA: RTVA, 6145, f/d card and rpt forms in 3 months. No rp. (Bishop-PA); f/d black/white "RTVA Emblem" card in 3 months for Gilfer rpt on AA xmsn. No rp. (Fedor-CT): 9705, blue/white card and sked in 4 weeks for EE rpt. No rp. (Cosier-AUST).
ANDORRA: R. Andorra, 6230, card in 6 weeks for 1 IRC and rpt on FF xmsn. (Field-MI); f/d FF letter from J.L. Marquet in 36 days for EE/FF rpt and 2 IRC's. Also received QSL card with only freq in 20 days for 2nd rpt with no rp. (Willis-KY).
ANTIGUA: BBC Relay, 6175, letter and Thames card w/site as "Caribbean Relay Station-Antigua, 6175 kHz" and no time or date in 6 months for tape rpt which they requested on World Radio Club to check anticipated QRM for D76. Except for 2 nights of the Soviet pulser, I didn't hear any. (Overcamp-SC).
Deutsche Welle Relay, 9735, no-data card in 6 weeks. (Padula-AUST): 9690, no-data card in 21 weeks. No rp. (Cosier-AUST).
ARGENTINA: RAE, 9690, blue/white card w/only freq in 119 days after 3 f/ups which included stamps and IRC's. (Hall-NY); same in 90 days for 2 IRC's. (Hermann-ONT): 11710, same in 117 days. No rp. (Mikell-IL).
LOL, 15000, f/d form with broadcast format info in 80 days by registered mail for 2 IRC's and local postcard. First time I've ever had to sign for a QSL. Postage was 230 pesos. (Lambard-MT).
ARMENIAN SSR: R. Yerevan, 15435, small paper QSL in 6 weeks. (Padula-AUST).
ASCENSION IS: VOA Relay, 15195, card w/o date in 10 days for Gilfer rpt on SS xmsn. No rp. My 13th VOA site, all signed by Monica Reyes. (Fedor-CT).
ASIATIC RSFSR: R. Moscow via Vladivostok, 9585, "Kalinin Prospekt" card in 49 days. No rp. Via Petropavlovsk-Kamchatsky, 15140, "OMEA" card in 56 days. No rp. (Marshall-ND).
AUSTRALIA: R. Australia, 9760, f/d "Parakeet" card in 91 days. No rp. (Poppin-CA): 11740, same card and rpt form in 48 days for 3 IRC's. (Zajda-MA) 9570/9680, f/d cards and calendar in 25 and 120 days. No rp. (Frank-CASK).
VLW9-Perth, 9610, f/d card in 40 days for 2 IRC's. (Fraser-MA).
AUSTRIA: ORF, 6155, f/d "Glass Towers" card and sked in 70 days for mint stamps. (Hoffman-FA): 9770, same in 68 days. No rp. (George-TX): 7125, multi colored card and sked in 10 weeks for rpt on test xmsn. (Padula-AUST): 7170/9690/15335, three different cards in 5 weeks. No rp. (Wootten-ITALY).
AZERBAIJAN SSR: R. Moscow via Baku, 11920, f/d card in 1½ months for rpt on African Service. No rp. (Herkimer-NY).
BELGIUM: BRTV, 21475, card in 3 weeks. (Barto-CT): 9650, blue map card and sked in 4 weeks. (Padula-AUST).
BENIN: ORTB-La Voix de la Revolution, 4870, f/d "Five Designs" cards still coming in as follows: in 276 days for tape/written rpt. I gave up on this one. (Hall-NY); in 7½ months for 3 IRC's. (Pineault-QUE); in 28 days for 2 IRC's and FF rpt. (Meehan-CT); in 7 months for FF rpt and 2 IRC's. (Wootten-ITALY); in 6 months for FF rpt on FF xmsn and 2 IRC's. No freq on this card.

VIC #100! (Cannon-KC); in 22 days for EE/FF Gilfer rpt and 1 IRC. (Hoffman-PA); in 7 1/2 months. No rp. (Bishop-IA).

BRAZIL: R. Nacional, 11780, f/d card in 56 days for 1 IRC. (Hermann-GMT).
R. Cultura do Para, 5045, PP letter, postcard and Brazilian stamps in 1 month for an SAGE which was not used. (Field-IL).
R. Jornal de Comercio, 15145, f/d card in 28 days for PP rpt and mint stamps. (Mikell-IL).
R. Bandeirantes, 11925, no-data verie card with text in FF/EE/GG, postcard and orange pennant in 73 days for EE rpt and 1 IRC. (Hayer-IL).
Rdif. Londrina, 4815, personal FF letter, 9"x4 1/2" postcard of Londrina with info on city and local in 10 weeks on 2nd try for an SAGE which was not used. Name of station in WRTVH77 is Rdif. do Parana. (Field-IL).

BULGARIA: R. Sofia, 9700, f/d "Sofia U" card w/freq in meters, sked, rpt forms in 60 days. No rp. Travel brochure, maps and "Sofia News" followed a week later. (Frank-SAGE).

BYELORUSSIAN SSR: R. Moscow via Orsha, 7100, f/d card in 1 month for black/white print and 2 IRC's. (Miles-WV).
R. Minsk, f/d "TV Center/Lenin Ave." card and friendly letter saying they have no pennants in 107 days for EE rpt on Byelorussian xmen. I thought it would be more difficult to get a verie from this station, but it took only one rpt. (Gionet-WB).

CANADA: CFCX, 6005, station card w/o time in 38 days on my 7th attempt! (Gionet-WB); card in 39 days. No rp. (Belong-IA).
CHNX, 1130, plain white card w/freq and wrong date in 18 days. No rp. (Hoffman-IA); card in 28 days. No rp. (Belong-IA).
CFRX, 6070, f/d "Carnival" card in 17 days. No rp. (Willis-IL).
ROI, The do-it-yourself cards have been sent out for this year. A well-designed "Satellite" card. If you haven't received one, write to me. We don't print reception of these cards. There is no question of verification if your info is correct. David Ventura-IL had a slight problem, though. He received the letter with sked and instructions on what to do with the card, but they neglected to include the card.

CANARY IS: RNE Relay, 11380, "Toledo" card and rpt cards in 3 weeks via Madrid. (Sadula-KUJ).

CHINA: R. Peking, 11685, blue/gold card w/o time in 17 days for a programme rpt. Also received sked and notice of publication of Vol. 5 of "Selected Works of Mao Tsetun". (Fraser-IA). Paperback or hard cover? 11945, f/d "After the Performance" card, sked, letter and pin in 25 days. No rp. (Neff-IL); 7315, "Red Flag Canal" card w/o time and pennant in 1 month. No rp. (Wooten-ILNY).

COLOMBIA: Emisora Meridiano 70, 4925, personal letter and pennant in 3 1/2 months on 2nd try for an SAGE which was not used. (Field-IL).
R. Sante Fe, 4205, freq-only msp card, nice pennant and 2 stamps worth \$4.50 Colombian in 73 days for SS rpt and 1 IRC. (McIntosh-GMT).

COOK IS: R. Cook Is, 5045, 2/3 "Constitution Celebration" card in 144 days for 3 IRC's. Card has handwritten apology for long delay and any possible inconvenience. Maybe they're getting behind in their correspondence due to the huge number of rpts they're getting, hi! (Conrad-IA); f/d card in 3 months. (Barto-IL).

COSTA RICA: R. Casino, 5954, f/d green card and beautiful pennant in 48 days for 1 IRC. (McIntosh-GMT).
R. Roloj, 4832, f/d "Trazu Volcano" card in 16 days for EE rpt on 30 xmen w/EE announcements. R. Roloj's special pgs, "Agui Costa Rica", on at 0700 GMT Sunday and 0700 GMT Tuesday per v/s Roberto Aronson. (Giffin-IA); f/d card in 18 days for rpt on 0700 GMT Sunday pgs. (Frank-IA).

CZECHOSLOVAKIA: R. Prague, 7345, f/d "Erno Trade Fair" card in 110 days for 1 IRC. They are becoming increasingly slower with veries. (Lockwood-IL); f/d "Cesky Castle" card in 24 days. No rp. (Fraser-IA); 5130/7345, f/d "Zamek Castle" card in 95 days. (Recher-IL).

DENMARK: R. Denmark, 15165, f/d card, sked in 13 days. No rp. (Frank-IA).

DOMINICAN REP: R. Clarin, 11700, date-only form letter from Lily Morales and a green pennant in 55 days for EE/SS rpt and 1 IRC. (Willis-IL).

ECUADOR: HCJB, 9560, f/d card, sked, History of Ecuador, religious info and letter in 21 days for 3 1/2 stamps. (Neff-IL); f/d "Tuning Pear" card in 194 days for mint stamps. Also received sked and stereo album notice. (Fraser-IA) 6095, card and religious info in 1 month for 1 IRC. (Marshall-IA); 15310, f/d "Olown" card in 26 days for 2 IRC's. (Sajda-IA).

EGYPT: R. Cairo, 9475, f/d card, sked and postcard in 60 days for 1 IRC and a mint stamp. (Frank-ASK).

ENGLAND: BBC, 6250(WF), Bridge card w/incomplete data and sked in 41 days

for 1 IRC. (Ventura-IL).

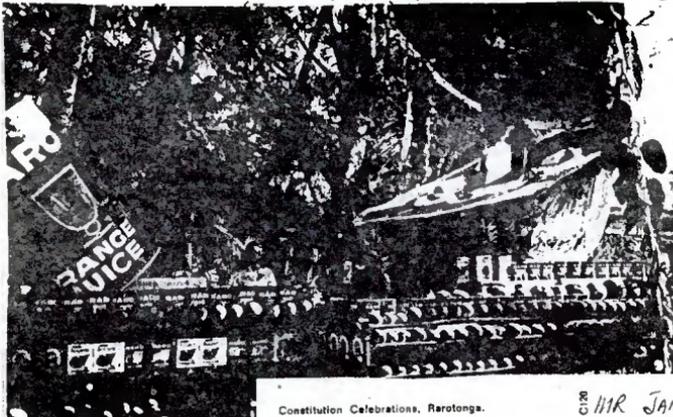
ESTONIAN SSR: R. Tallinn, 6085, f/d "Lake" card and sked in 32 days. No rp. VIC #1801 (Cosier-AUST); f/d "Tallinn Servicing House" card and sked in 45 days. No rp. (Bishop-PA). "Servicing House"???

EUROPEAN RSFSR: R. Moscow via Moscow, 7350/7440, "Kremlin" and "CKEA" cards in 40 and 48 days. They wrote that the mailing service was free, but they did not return the 2 IRC's I sent with one of the rpts. (Marshall-ND): 4860/12000, f/d cards in 5 weeks. No rp. (McNeil-DC). Via Tula, 7250, f/d card in 37 days. No rp. (George-TX); 12030, f/d card in 5 weeks. No rp. (McNeil-DC). Via Armavir, 7200, "Moscow U" card in 43 days. No rp. (Marshall-ND).

R. Moscow Home Svc, 9780/15140, cards in 39 and 50 days for EE/RR rpts. No rp. (Poppin-CA).

Radio Station Peace & Progress, 19 mb, card w/o definite freq in 39 days. No rp. (Hermann-ONT).

R. Rodina, 15490, f/d card indicating "Rodina" in 44 days



Constitution Celebrations, Rarotonga.

Your reception report of Radio Cook Islands on the frequency of 50.45 KHz in the 60 m band on 23-12-76 from 0845 hours GMT to 0906 hours GMT has been checked and found correct. Many thanks and best wishes from the Cook Islands.

photo by T. Kapi.

MR JAMES A CONRAD,
U.S.A.

We apologise for the delay and for any inconvenience that may have been caused by us.

Published by vanik & co., P.O. Box 5, Rarotonga, Cook Islands. C198

FINLAND: R. Finland, 15105, f/d "Four Seasons" card and "Hear Finland" mags in 35 days. No rp. (Valko-FA & Delong-FA); same card in 29 days for 1 IRC. No pennant. (Willis-KY).

FRANCE: RFI, 15300, f/d "Couleurs et Lumiere" card and sked in 2 months for FF rpt. No rp. Note there are two mailing lists: one for Paris Calling Africa (EE) and another for the France-Inter relays (FF) to NAM. (Streveler-HI): 9635, "Paris" card in 8 weeks. (Padula-AUST): 11845/15315, f/d "Chateau de Chambord" card, PCA sked in 69 days. No rp. (Desrosiers-PA).

GEORGIAN SSR: R. Moscow via Tbilisi, 7185, f/d card in 1 1/2 months for rpt on African Svc. This was after I returned the original card because no site was indicated, although I requested it. The freq was shown, oddly enough, as "31 meters". (Herkimer-NY).

GERMANY (E): RBI, 9730, f/d "Winter Scene" card in 40 days with promise of "Kontakt" youth mag. No rp. (Ebert-WI); "10 Year RBI DX Club" card, letter, mag and pamphlets in 40 days. No rp. (Frank-SASK).

GERMANY (W): Deutschlandfunk, 7285, f/d "Hamburg" card in 8 days for EE rpt on Czech xmsn over DW. No rp. (McNeil-DC): 9610/7130, f/d card, sticker and postcard in 3 1/2 weeks for rpt on pgm over DW xmtrs. BECMS says GERMANY, but ITU and DW master skeds say SINES! To top that off, I didn't hear Sines ID at s/off. Does anyone know the real xmtr site for these xmsns? (Cosier-AUST).
Radio Free Europe, 6135/7295, card w/o time in 39 days. No rp. (Bishop-PA).

Radio Liberty, 7180-Biblis/7295-Lampertheim, card w/o time for both sites in 43 days. No rp. (These are my 9th and 10th (and last) U.S. German stations. (Bishop-PA): 6000-Holzkirchen/9715-Biblis, f/d cards in 5 and 6 weeks with sked. (Cosier-AUST).

VOA-Munich, 3980, 2 stamps card with only date and site in 2 1/2 months. Is this a record for VOA slowness? (Bolitho-GNT). Not for Canada!
GHANA: GBC, 4915, two GBC cards stapled to a sked which served as the envelope in 152 and 224 days for two EE rpts. Had already received a letter from a character in Ghana who wanted to be a pen-pal. I didn't reply. (Poppin-CA) Where's your sense of adventure, George? Take the ride!

GREECE: V. of Greece, 11730, f/d white card in 18 days. No rp. (Czapoznikow-FAN): 9760, same in 22 days. No rp. (Valko-PA): 11830/9655, same in 2 and 4 weeks. (Padula-AUST).

Greek Armed Forces-YENED, 6045, no-data personal letter apologizing for delay in 1 year for EE rpt and 2 IRC's. (Wooten-ITALY).

GRENADA: R. Grenada, 15105, f/d "sked" card in a mere 200 days for 2 IRC's. (Willis-KY); same in 2 1/2 months for 1 IRC. (Cannon-NC); same in 66 days for 2 IRC's. (Willis-KY).

GUATEMALA: R. Miramundo, 2040, personal letter in 3 weeks for an SACE which was used for the reply. Gives CW pgm as "610" in 49 mb, heard since then on 6160 kHz. The SW freq is given in the ID's, but I couldn't catch it. The 2040 kHz freq must be a harmonic. (Field-IL). Nice catch on any freq, Harlin.

TCNA, 3300, f/d "Quetzal" card in 42 days for 1 IRC. (Willis-KY).
GUINEA: R. Nationale, 4910, f/d form letter with request for 2 IRC's next time in 43 days for Gilfer rpt on FF xmsn. No rp. (Fedor-CT).

GUINEA-BISSAU: R. Nacional, 4780, card with date and wrong freq (5041 kHz) in 35 days for NASWA PP rpt and 2 IRC's. (Czapoznikow-FAN); same in 38 days for 2 IRC's. (Pineault-QUE): 5041, f/d green card in 28 days for 2 IRC's. Ten stamps on the card which are just great! (McIntosh-GNT); date/freq card in 12 weeks for 2nd PP f/up. Total time, 10 months. No rp. African VIC #50 at last! (Cosier-AUST).

HAITI: 4VEH, 11835, f/d "Studio" card, sked and religious material in 21 days. No rp. (Neff-IL).

HAWAII: WWH, 5000, "Aloha" card w/o time (from a time station yet!) in 2 weeks. (Bolitho-GNT). You just broke me up, Mike! 15000, same in 11 days. No rp. (Neff-IL).

HONDURAS: R. Progreso, 4920, f/d SS letter in 29 days for SS rpt. No rp. (George-TX).

HUNGARY: R. Budapest, 6000, f/d "RBSW Club" card in 65 days. No rp. (Delong-PA): 9833, f/d card, 2 "Budapest International" maps and pennant in 66 days. No rp. (Frank-SASK): 21525, f/d card and sked in 15 weeks. (Cosier-AUST).

ICELAND: Reykjavik Radio, 12175, f/d card with power as 5 kw in 6 weeks for 2 IRC's. My best European QSL! VIC #181! (Cosier-AUST).

INDIA: AIR, 4775-Gauhati, f/d verie letter from R. Lakshminarayan Rao in 4 1/2 months for EE rpt and postcard. No rp. (McNeil-DC): 3355-Kurseong, verie letter w/time and date in 5 months for EE rpt, postcard. No rp. V/s R.N. Dam. (McNeil-DC): 9525, no-data "Victoria Terminus" card acknowledging rpt in 6 weeks. Strange card! I never would have guessed it was India. Looks like England. (Overcamp-CC): 11810, date-only card in 79 days. No rp. (Willis-KY).

INDONESIA: RRI-Gorontalo, 4900, Indo verie letter in 4 weeks for Indo rpt. V/s Abdul Fattah. Lower given as 1000 watts. (Cosier-AUST).

BALI & LESSER SUNDA IS: RKFDK-Lombok Timur, 2854, "enthusiastic" Indo verie letter with date and time in 4 weeks for Indo rpt. V/s Lalu Bardja B.A. Rpt was addressed to "Kapala Studio". (Cosier-AUST).

IRAN: NIRT, 9022, f/d "Kerman TV" card in 72 days. No rp. (Delong-PA): 15084, f/d card, pennant in 21 days for 1 IRC. (Hermann-GNT): 15260/11745/11930/11770, f/d "TV Center" cards, pennant in 4 to 6 weeks. (Padula-AUST).

IRAQ: R. Baghdad, 9745, f/d "Nagal Gate" card in 79 days for 1 IRC. (Hoffman-PA); f/d "Map/Monument" card, eagle pennant, lots of Anti-Zionist books and pictures of Iraqi leaders in 73 days. No rp. (McIntosh-GNT).

ISRAEL: IBA, 7412, "Jerusalem" card and rpt forms in 2 months. No rp. (Marshall-WD): 9815, same card with sked and election info in 52 days. No rp. (Desrosiers-PA): 11960, same in 2 months. No rp. (Streveler-HI): 15100, same

in 52 days. No rp. (Fraser-MA).

ITALY: RAI, 9575, f/d "Il Giorno" card in 37 days for 1 IRC. (Hoffman-PA).

JAPAN: R. Japan, 15105, "Bamboo Grove" card in 24 days. No rp. (Valco-PA): 15270, same card w/o time in 1 month. No rp. (Bolitho-ONT).

NHK-Tokyo, 3607.5, "Bamboo Grove" card w/o time, sked, rpt forms and "RJ News" in 14 days. No rp. Power listed as 900 watts, so my VAC QRP is now 10,150 watts! (McNeil-DC). Good ears, Pitt!

JJY, 15000, f/d EE/JJ card in 81 days for EE rpt, 2 IRC's and local postcard. (Lambard-MT).

KIRGHIZ SSR: R. Moscow via Frunze, 11860, f/d "Space Monument" card in 37 days for rpt on S.E. Asia Svc. No rp. (George-TX).

KOREA (N): R. Pyongyang, 9820, f/d card, sked, many postcards, booklet on the Pyongyang Zoo, pin, pennant and 2 IRC's in 5 weeks. No rp. (Streveler-HI).

KOREA (S): KBS, 11860, "Kaitreya Buddha" card and blue pennant in 4 months for 2 IRC's. (Wootten-ITALY).

KUWAIT: R. Kuwait, 12085, f/d folder card w/info on Kuwait and history of R. Kuwait in 20 days. No rp. (DeLong-PA): 11990/12085, same card in 4 and 6 weeks. Card for 11990 kHz has "11940 kHz" as freq. (Padula-AUST).

LIBERIA: ELWA, 4770, f/d "Native Drummer" card and religious material in 3 months. No rp. (Fedor-CT).

LIBYA: Peoples' Revolution Broadcasting, 6185, personal EE letter from B.G. Buzed in 4 months for 2 IRC's and EE rpt. Card came indirectly from Finland!

By mistake, a DXer there got my QSL the same day I received his! A quick letter exchanged our QSL's! There are a few honest DXers around! (Willis-NY).

LUXEMBOURG: R. Luxembourg, 6090, f/d "Coat-of-Arms" card in 89 days for EE aerogramme f/up and 1 IRC. (Willis-KY).

MAGAGASY REP: R. Nederland Relay, 11730, f/d "Tom Meyer" card in 15 days. No rp. (Neff-IL): 11740, f/d "Eddie Startz" card in 14 days for 1 IRC. (Zajda-MA): 17855/11740, "Talata" and "Hilversum" cards in 2 weeks. (Padula-AUST).

MALAWI: MBC, 3380, EE verie letter and sked in 5 months for EE rpt. No rp. They say they are interested in rpts from farther afield, even though their xmsns are meant only for Malawi. (Bolitho-ONT).

MALTA: Xandir Malta, 6080, f/d letter and tourist info in 52 days. No rp. (Valco-PA); same in 70 days for 2 IRC's. (Tineault-QUE); same in 86 days. No rp. (Hall-NY).

IBRA, 6080, f/d "Malta Map" card and pennant in 86 days for some pamphlets I sent. (Hall-NY).

MARTINIQUE: FR3, 3315, f/d "Beach Scene" card in 53 days for FF rpt and 1 IRC. (Willis-KY); same in 204 days for 1 IRC. (Hall-NY).

MAURITANIA: R. Mauritania, 4845, f/d map card in 82 days for FF rpt and 1 IRC. (Hermann-ONT).

MEXICO: R. Mexico, 9705, verie letter, SS booklet and sked in only 10 months. No rp. (Bolitho-ONT).

MORACO: TWR, 7105, map card and pennant in 103 days. No rp. (Mikell-IL).

**SPECIAL QSL - 10th Anniversary of
Glenn Hauser's North American DX
Report on R. Nederland's DX Jukebox**

from
Charles
Hoffman

- Thank you for your report, which was correct. Date: April 21 22 1977
Time: _____ GMT Frequency: _____ kHz According to the Radio Nederland Engineering Schedule, site was Lopik Bonaire Talata
- You did not supply sufficient details for verification, but I have no reason to believe you did not hear the 10th anniversary broadcast.
- Your report cannot be verified; this is an acknowledgement.
- This is an excess card, not a QSL, but my SWL card till they run out.

Very nice, Glenn.

TO: CHARLES E.
HOFFMAN



If a QSL, this card is not to be construed as verifying any 'station' other than R. Nederland

Serial No. 021

Keep listening! Until the next, 73, GLENN HAUSER G4

NEPAL: R. Nepal, 5007, f/d station card, rpt form and tourist brochure in 1 month for EE rpt and 2 IRC's. (Wootten-ITALY).

NETHERLANDS ANTILLES: R. Nederland Relay, 6165, no-data special "Glenn Hauser 10th Anniversary" card for an SASE to Glenn Hauser. Glenn said "insufficient details" was the cause of no-data. I plan to mount this card right between my no-data BBC and DW cards, hi! (Hoffman-PA); f/d card, photo of Dick Speekman and associates in 19 days for 1 IRC which was returned. (Ventura-IL); f/d "Happy Station" verie letter in 45 days for 1 IRC. Also, two "kind

regards" cards, one signed by "Helina" and one by "Elke". (Fraser-IA); "50th Anniversary" card, postcard in 30 days for 2 IRC's. (Desrosiers-MA): 9630, f/d card in 20 days for 1 IRC. (Hermann-ONT).

TWR, 11925, f/d "Flamingoes" card, sked, booklet on "Creation Week", pamphlet on relay spots, letter on mail response, calendar and "Good News" comic pamphlet in 2 1/2 months. No rp. I might have gotten more, but the envelope was torn half open. That's what happens with surface mail. I learned a lesson the hard way. (Neff-IL).

NEW CALEDONIA: FR3, 7170, f/d map card as shown in May QSL-4 in 6 weeks for FF rpt and 1 IRC. (Streveler-HI).

NEW ZEALAND: RNZ, 11705, f/d "Lake" card in 15 days. No rp. (Valko-IA).

NIGER: La Voix du Sahel, 5020, f/d map card w/wrong date and "St. John" omitted from the address in 288 days for FF rpt on lang xmsn and 1 IRC. (Gionet-NE).

NIGERIA: NBC-Jos, 5955, f/d card in 1 1/2 months for EE rpt to Lagos. (McNeill-DC); form letter with details filled in in 3 months for EE rpt. (Field-MI); f/d mimeo letter w/site in 8 weeks. No rp. I'm pleased with this. Rarely heard via long path in our afternoons. Believe a first rpt for an Aussie, too. (Cosier-AUST).

NBC-Sogunle, 4900, f/d form letter and sked in 1 month for EE rpt and 2 IRC's. (Wootten-ITALY).

NBC-Ikorodo, 15120, f/d "Flag" card, letter and sked in 44 days for EE rpt and postcard. No rp. (Ebert-WI).

BIAFRA: NBC-Bnugu, 6025, f/d form letter from Bnugu in 4 weeks. No rp. (Bishop-IA).

NORWAY: R. Norway, 11800, f/d "Mountain Road" card in 2 weeks. No rp. (McNeill-DC); same card and small flag in 13 days. No rp. (Valko-IA): 9045, same card, flag and NRK bulletin in 23 days for 1 IRC. (Fraser-IA): 6015, same in 13 days. No rp. With beautiful scenic cards like this, it's no wonder I hunt all their frees. (Cosier-AUST).

OMAN: R. Oman, 11890, f/d "View of Al-Hamil" card in 61 days for EE rpt and 2 IRC's. VIC #175! (Bayer-IL).

PAPUA NEW GUINEA: NBC, 4890, f/d map card in 43 days. No rp. (Valko-IA); same in 25 days. No rp. (Streveler-HI).

NORTH SOLOMON IS: R. North Solomon, 3322, nice QSL letter from Aloysius Sahoto in 60 days for EE rpt and 1 IRC. (Cannon-NC).

PERU: La Voz de la Selva, 4825, mimeo QSL letter with data typed in, postcard and bank note from Eduardo Arevalo de la Selva whose hobby is collecting money from different countries. Received in 2 months for an SASE which was used for the reply. (Field-MI).

R. Continental, 6055, personal letter and pennant in 1 month on 2nd try for an SASE which was not used. V/s J. Antonio Umbert D. (Field-MI).

PHILIPPINES: R. Filipinas, 9580, f/d card, questionnaire and verie letter in 11 months for 3 IRC's. (Alm-BC).

R. Veritas, 15260, "Malalos Xmtr Site" card, sked and nice selection of used Philippine stamps in 12 weeks. The entire envelope was covered with recent commemorative issues. (Padula-AUST).

POLAND: Polish Radio, 7270, f/d "Heraldic Arms" card, personal note and sked with Nam frees underlined in 45 days. No rp. (Meehan-CT). That's all???

PORTUGAL: R. Portugal, 15340, f/d "Historical Map" card and sked in 15 days for EE rpt. No rp. (Berezowski-ALB): 11935, same card in 12 days. No rp. (Delong-IA): 6025, f/d "Scenic" card in 24 days for 1 IRC. (Hermann-ONT): 11800, "Seaside Village" card and sked in 6 weeks. 4865-Central lvc, "Fishing Boats" card in 3 weeks with inscription that xmtr is in Portugal and xmsn is beamed to Azores "on trial". (Padula-AUST).

AWR, 9070, f/d "Hospital" card in 6 months for EE rpt and 1 IRC. Delay due to record shuffle. (Wootten-ITALY); f/d card, sked and info with note apologizing for the delay in 4 months. (Bishop-IA).

RHODESIA: RBC, 3396, date-only old "The Federal Broadcasting Corp. of Rhodesia and Nyasaland" card in 66 days. No rp. (Gionet-DC); blue/white station card in 1 month for mint stamps which were not used. (Wootten-ITALY); card in 5 weeks. (Barto-CT).

ROMANIA: R. Bucharest, 5990, f/d "Central Pavilion" and "Romanian Athenaeum" cards, Listeners Club Diploma and personal note in 48 and 63 days. No rp. The envelope had 72 stamps on it! (Meehan-CT); f/d "Athenaeum" card, sked and letter thanking me for expressing sympathy about the earthquake in 57 days for 1 IRC. (Ebert-WI): 15345, "Danuc's Inn" card which is one of a series and sked in 14 weeks. (Padula-AUST).

RYUKYU IS: VOA-Ckinawa, 7165, card w/o time or freq in 50 days. (Alm-BC).

SAO TOME: R. Nacional, 4807, "Four Scenes" card w/o time in 2 months for FP

rpt and 2 IRC's. My best QSL! (Bolitho-ONT).
SARAWAK: R. Malaysia Sarawak, 4950, two f/d cards in 20 days for EE rpts on native dialect xmsns and 3 IRC's. (Poppin-CA)
SAUDI ARABIA: BSKSA, 21555, "Crossed Swords" card and sked in 12 weeks by registered mail. (Padula-AUST).
SENEGAL: R. Senegal, 4890, f/d card in 3 months for EE rpt on FF xmsn, 2 IRC's and a color print of Henry Rockwood's cat, Booze, on my 2nd try. They sent me two QSL's for the same rpt, one mailed from North Carolina and the other from Senegal. (Wiles-WV). Who mailed the card from NC, Bob? f/d black/white "Musical Instrument" card in 50 days for 1 IRC. (McIntosh-ONT); f/d card with complete power and freq listings in 2 months for Gilfer rpt on FF xmsn. (Fedor-CT).
SEYCHELLES: FEBA, 11785, f/d orange map card and sked in 1 month for EE rpt and 1 IRC. (Streveler-HI): 11845/9700, separate cards and skeds in 4 weeks for 1 IRC each. (Padula-AUST).
SICILY: RAI-Caltanissetta, 7175, "Michelangelo" card in 2 months for rpt on Italian Second Program and 1 IRC. (Cannon-NC): 9595, f/d card w/site in 53 days. No rp. European #35! (Bishop-PA).
SINGAPORE: R. Singapore, 11940, two f/d "Logo" cards, sked and cordial letter from G.O. D'Souza in 13 and 26 days for 3 IRC's. (Poppin-CA).
SOLOMON IS: SIBS, 5020, f/d black/white map card in 28 days for EE rpt, 1 IRC and used stamps. (Fedor-CT); same in 6 days for 1 IRC. (Streveler-HI); same in 26 days for Gilfer rpt and 2 IRC's. (Fleck-IL).
SOMALI REP: R. Hargeisa, 11640, QSL card, postcard of Africa and personal EE letter in 3 months for an SASE which was not used. Station was heard on 11645 kHz. My VIC #200!! V/s Abdo' Ahmed Abdo'. (Field-MI). Congratulations, Marlin

"Voice of Tanzania" card.



RT

SAUTI YA TANZANIA



SOUTH AFRICA: R. RSA, 9585, f/d "Protea Flower" card, "Thank you" note and "RSA Calling" in 27 days for 1 IRC. (Desrosiers-MA): 11900, same card in 19 days for 1 IRC. (Fraser-MA); same in 16 days for 2 13c stamps. (Neff-IL): 9585/5980, "Protea" and "Johannesburg Scenes" cards in 36 days. No rp. (Poppin-CA): 11800, "Protea" card in 4 weeks. (Padula-AUST).
SPAIN: RTVE, 11880, f/d "Antenna Towers" card, sked and rpt forms in 20 days (Ebert-WI); same in 19 days. No rp. (Streveler-HI): 6065, same card, sked and 5 rpt forms in 17 days for 1 IRC. (Desrosiers-MA).
SPANISH SAHARA: RNE Relay-El Aaiun, 11805, card from Madrid in 3 weeks after 2 rpts to Sahara were not acknowledged for a total of 21 months time. I saw where others had scattered success with this so I tried it, muttering voodoo incantations all the way! (Bishop-PA).
SRI LANKA: VOA-Colombo, 15185, no-data card in 6 weeks. No rp. (Herkimer-NY) AWR, 9720, f/d card with power indicated in 2 weeks. No rp. V/s Adrian Peterson noted that this was his first QSL issued to Australia. He put this on the card. Very nice!. (Cosier-AUST).
SWAZILAND: TWR, 5055, folder card, sked in 27 days for 2 IRC's. (Pineault-QUE); 4760, card in 16 days for EE rpt on Afrikaans xmsn and 1 IRC. (Cannon-NC): 11955, f/d "Warrior" card and religious info in 30 days for EE/FF rpt on FF xmsn. No rp. (Fedor-CT).
SWEDEN: R. Sweden, 15240, f/d map card, sked and tourist booklet in 18 days.

No rp. (Streveler-HI): 11735, map card and sked in 4 weeks. (Padula-AUST).
 SWITZERLAND: SBC, 5965, f/d "Cathedral Tower" card and sticker in 46 days.
 No rp. (Frank-SASK); "Lake Lucerne" card in 8 weeks. (Padula-AUST).
 TAHITI: R. Tahiti, 15170, f/d FF card in 26 days, 1 IRC. (Frank-SASK):
 11825, f/d "Nudie Cutie" card in 26 days for Gilfer rpt, 1 IRC. (Willis-KY).
 TAIWAN: V. of Free China, 15425, f/d "Embroidered Pomegranates" card and
 sked in 30 days. No rp. Beautiful card! (Ebert-WI): 17890, f/d card in 1
 month on 3rd try. No rp. (Bishop-PA): 15225/11745, "Artifacts" and "Old
 Painting" cards and brochures on paper-cutting and calligraphy in 6 months
 and 6 weeks. Also received pennant. (Padula-AUST).
 TANZANIA: R. Tanzania, 15435, "Sauti ya Tanzania" card w/o time in 3 months
 for EE rpt and used US stamps. No rp. (Fedor-CT); same in 2 months for 2
 IRC's and Gilfer rpt. (Fleck-IL): 5050, card with date, freq and power(10 kw)
 in 5 1/2 months for Gilfer rpt. No rp. (McNeill-DC).
 TOGO: R. Togo, 5047, f/d map card in 6 weeks for Gilfer rpt and 1 IRC.
 (Fleck-IL); f/d "Map/Globe" card in 21 days for EE/FF rpt on FF xmsn. No rp.
 (Fedor-CT).
 TUNISIA: RTV Tunisienne, 15225, f/d "La Marsa" card in 29 days for tape rpt
 of AA xmsn. (Pineault-QUE); f/d "Pottery" card in 24 days for EE rpt on AA
 xmsn. No rp. (Fedor-CT): 7275, "Rabeul" card in 60 days for EE rpt and 1 IRC.
 (Cannon-NC); f/d "La Marsa Cafe du Saf-Saf" card in 12 days for EE rpt on AA
 xmsn. No rp. (Hoffman-PA).
 TURKEY: V. of Turkey, 9515, f/d "Turkish Carpets" card, FF tourist brochure,
 flag and sked. Another copy of the sked arrived separately the same day.
 (Fraser-KA); f/d "Folk Dancers" card, sked, pennant and travel brochure in
 39 days. No rp. (Frank-SASK).
 UGANDA: UBC, 15325, no-data mimeo letter in 2 months on my 3rd try for 2
 IRC's. A real disappointment after 3 rpts and 6 IRC's. (Herkimer-NY); same
 in 2 months for FF rpt and 1 IRC. (Hermann-ONT).
 UKRAINIAN SSR: R. Kiev, 7150, "Fark of Glory" card, pocket calendar, rpt
 forms and "News from Ukraine" in 36 days. No rp. (Marshall-ND).
 UNITED STATES: VOA-Greenville, 15250, no-data Stamps card in 11 days. No rp.
 (Mayer-IL): 15410, date-only card in 54 days. No rp. (Frank-SASK).
 WWV, 10000, "Indian" card in 1 1/2 months. No rp. (Neff-IL).
 UN Radio, 15410, f/d card, sked in 17 days. (Frank-SASK).
 WYFR, 6160, "Mike" card in 8 weeks for 1 IRC. (Padula-AUST).
 WINB, 15185, f/d card, sked in 22 days. No rp. (Frank-SASK).
 KGEI, 15280, f/d "San Francisco" card in 29 days. No rp.
 (Mayer-IL): 5980, same card, pennant in 59 days for 24¢ in stamps. (Hall-NY).
 VENEZUELA: R. Anzoategui, 6020, letter in 6 weeks on 11¢ try for an SASE
 which was not used and a rpt on SS xmsn. The letter was from the 16-year old
 son of the owner and was part of an English class school project in which the
 student was required to write to a person in the USA and hopefully get a pen-
 pal. V/s Jose Gregori Benitez Gomez. (Field-MI). Beautiful, Marlin!
 R. Rumbos, 4970, f/d "The Liberator's Avenue" card in 70 days
 for EE/SS Gilfer rpt on SS xmsn. No rp. (Hoffman-PA).
 Ecos del Torbes, 4980, verie letter with only month in 96 days
 after f/up and stamps. (Hall-NY). It counts! It counts!
 VIETNAM: V. of Vietnam, 10040, white card w/o freq, "Ballerina" postcard,
 flag and pennant in 2 months for EE rpt on FF xmsn. No rp. (Poppin-CA).
 ZAIRE: La Voix du Zaire, 15245, date-only letter with full sked on front in
 56 days for Gilfer rpt on FF xmsn and 1 IRC. (Fedor-CT).
 NOTICE: Sam Barto sends the following new address: Mouvement Populaire de la
 Revolution, Office National des Postes et Telecommunications du Zaire,
 Kinshasa, Zaire.

John Herkimer, Caledonia, NY writes that he's found that he's been able
 to greatly improve his results with verifications by using a combination of
 a 30¢ Dewey and a 1¢ Jefferson stamp instead of the standard 31¢ airmail.
 He says he thinks it reduces the risk of mail theft. Could be. I often use a
 regular 24¢ stamp with a 7¢ one. Looks more colorful. Try your own combin-
 ations. The gentlemen in the Post Office won't mind rooting through drawers
 for odd denominations. They like to do that, especially if there's a long
 line waiting for service.

And that's it for this month. Try Polish Radio on 15120 kHz. No QRM!

Deadline for August issue: July 16.

Deadline for September issue: August 13.

Bill

Log

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

Section B
4900 - 6200 kHz



Report

FRENCH LR-B-1 JULY 1977

- 4902 SRI LANKA SLBC; 2215-2235 w/ rel. chants and a festival pgm(Padula)
4904.5 CHAD RNT; 2230 in FF w/ local Af. mx,vocals(Alexander 5/28).
4908 KHMER R. Pnomh Penh; 1254-1301 in lang. w/ typical mx(Wiseblood).
4910 GUINEA RN; 0645-0715 via LP in FF, //7125(DX-W).
4910v ZAMBIA ZBS; 1800-1820 w/ nx in EE then into lang.(Wootten 5/16)*0355
w/ Fish Eagle IS,ID in lang.(Wootten 5/30).
4915 BRASIL RDF. Macapá;0915 in PP w/ ads,accordian mx,ID(Cosier 4/16).
4915 GHANA GBC; 0559-0616 in EE w/ nx,drums,cmntry,(Poppin,Richardson,
Cosier)2205-2306* in EE w/ ID,IS,Af. mx,(Goldman,Alexander,Schwartz)
4915 KENYA VOK; 0410 in lang. w/ tlks,peeked for a few minutes(Perdue).
1407 in Swahili w/ E. Af. mx,under Nanning(Cosier). (Bishop).
4920 AUSTRALIA ABC Brisbane; 2000 in EE w/ nx(Streveler)1020 w/ sports
4920v ECUADOR R. Quito; 2100 in SS w/ ID,nx(Barto).
4925 EQ. GUINEA R. Ecuatorial; 0517-0530 w/ non-stop mx,lang?(Wolfish 6/4
4926 MOZAMBIQUE RM; Maputo,2200-2215* in PP w/ anmcts by W(DX-W 5/8).
4932 NIGERIA NBC Benin; 0622 in lang. w/ Af. mx(Cosier)2140-2305*//4990
w/ church svc. at 2238,relay Lagos nx at 2300(DX-W 5/8).
4935 PERU R. Tropical; 1110 in SS w/ singing ID,ads(Cosier,Burwood)0407*
in SS w/ lullaby songs,ID,NA(Perdue 5/14).
4940 ECUADOR RN; 1105 in SS w/ nx,ID(Cosier,Burwood).
4940 IVORY COAST RTVI; 0615 in FF w/ pop mx,ID,light Af. tunes(Cosier,
DX-W)2205-2305 in FF w/ vocals,cmntry,ID,pop mx(Miller,Schwartz).
4940t UKRAINE R. Kiev; 1448 in RR w/ nx.Possibly Frunze???(Cosier 4/17).
4940 VENEZUELA R. Yaracuy; 1014 in SS w/ ID,TC,LA mx,ads(Jones)0115 in SS
w/ very frequent ID's,mx(Tannenwald).
4945 COLOMBIA R. Colosal; 0605 in SS w/ LA mx, tlks(Delmage 4/15).
4950 SABAH RMK; 1000 in CC //7160(Willis). (Wiseblood).
4960 CHINA RP; 1312-1330 in CC w/ CC lang. lessons for Japan,//1040 BCB?
4965 COLOMBIA R. Santa Fe; 0524-0600 in SS w/ ID,LA mx,(Richardson,Del-
4970 SABAH RMK; 1250 in Malay w/ light mx(Wiseblood 6/5). mage)
4970 VENEZUELA R. Rumbos;0105 in SS w/ ads,vocals,ID(Alexander,Tannenwald
0533-0555 in SS w/ tlks,ID,LA mx,ads(Richardson,Delmage).
4972.5 CAMEROON R. Yaounde; 0510 in EE w/ local & international nx(Bishop).
4973t ECUADOR R. Tarqui; 1104 in SS w/ nx/cmtry(Cosier,Burwood).
4975 CHINA Poochow; 1330 in CC w/ EE lessons, no //s(Wiseblood 3/26).
4976 BRASIL R. Timbira; 0915-0925f/o in PP w/ ID,promos(Cosier 4/16).
4980 CHINA Wuhan; 1325 in CC w/ instrumental mx,(Wiseblood).
4980 GHANA GBC; 0440-0618 in EE w/ ID,wx,mx,(Cosier,Lineback)1907 in EE
w/ messages(Wootten).2130-2303 w/ pop mx,QRM from Flying Doctor
School of the Air also on 4980(Goldman,DX-W). Field).
4980 VENEZUELA Ecos del Torbes; 0210-0315* in SS w/ rock & LA mx,ID(Luce,
4985 ANGOLA R. Ecclesia; 2130 in PP under RRI(Cosier,Burwood).Cosier,DX-W
4985 BRASIL R. Brasil Central; 0400-0902 in PP w/ ID,ballads,ads(Godfrey,
4990 CHINA Changsha; 1301-1330 in CC w/ operatic mx(Wiseblood 3/26).
4990 NIGERIA NBC Lagos; 1905 w/ nx in EE(Wootten)2255-2306* in EE w/ ID,
TC,nx,schedule,classical mx(Richardson,Pineault)0440 in lang(Line-
4990 VENEZUELA R. Barquisimeto; 2305 in SS w/ tlk,LA mx(no name) back)
4995 PERU R. Andina; 0530 in SS w/ ads,jingles,Andean mx(Hoffman).
4995 VIETNAM Hanoi; 1245 in VV w/ long tlk(Wiseblood).
4996nf NIGERIA NBC Lagos; 0620 in Hausa w/ Af. mx,W anncr(Cosier 4/23)drift
5000 HAWAII WVVH; 1106 in EE w/ time pips, announcer(Valko).
5010 CAMEROON R. Garoua; 1830-1845 in EE w/ ID,nx(Wootten)0500-0515 in EE,
FF w/ vocals and ID(Lineback 6/9). (Cosier).
5015 BRASIL R. Pioneira de Teresina; 0917 in PP w/ LA mx,ID,accordian mx,
5016t RHODESIA RBC; 0915-0935 in EE w/ tlks(McLanghlin 4/10)Suggest SIBS.
5020 COLOMBIA Ecos del Atrato; 0330 in SS w/ ID,LA mx(Overcamp 5/29).
5020 NIGER RTVN; 0605 in FF w/ nx.First time heard here!(Field 3/27).

- 5020 SOLOMONS SIBS; 0450-0730 in EE w/ cmntry, mx (Hoffman, Cosier).
 5025 BRASIL R. Borborema; 0145 in PP w/ LA pop mx, ads, ID (Bishop).
 5025 ECUADOR R. Splendit; 0435-1030 in SS w/ ads, ID, echo reverberations, pop mx, LA mx, Andean tunes (Wiseblood, Cosier, Luce, Jones).
 5030nf CHINA RP; *1100 in Cantonese (Cosier 5/12).
 5030 SARAWAK RMK; 1356 in lang. w/ slow rock mx, ID (Poppin).
 5030 VENEZUELA R. Reloj Continente; 0020 in SS w/ ID (Tannenwald) 0309-0325 in SS w/ ID, sports, bells, LA mx, (Luce, Poppin).
 5035 KAZAKH R. Alma Ata; 1847 in CC w/ dialogue by a M (Wootten).
 5038 CEN. AFR. REP. La Voix de L'Empire Centrafricaine; 2140 in FF w/ Af. mx (Alexander) 1850 in Sango (?) w/ some mx, tlks (Wootten) 2314 in FF (Pin-enezuela) R. Maturin; 0700-0935 in SS w/ ID, TC, LA mx, plugs (Cosier) for other stations (Jones).
 5040 COLOMBIA R. Cinco; 0700-0900 in SS w/ ID as "R. Cinco Continental".
 5045 BRASIL R. Cultura do Para; 0210-0239 in PP w/ ID, light mx, pop mx, (Goldman, Roberts) 0905 in PP w/ TC, ID, folk mx (Jones, Cosier).
 5045 COOK ISLANDS RCI; 0800 in EE w/ relay nx of RNZ (Hywarren 4/9).
 5047 TOGO R. Lome; 1855 in FF w/ radio play w/ mx (Wootten) 0630 in FF w/ ID, tlks, 2300* (DX-W).
 5047 JAVA RRI Yogyakarta; 1323-1342 in II w/ ID, pop vocals (Poppin 5/28).
 5050 TANZANIA RT; 1858 in Swahili w/ local mx, ID, Togo/GRM (Wootten).
 5050 VENEZUELA R. Mundial; 0600-0745 in SS w/ LA mx, ID, ads (Cosier, Willis).
 5052 SINGAPORE RS; 1344 in EE w/ ID, TC, pop mx, (Poppin 5/28). back, Willis).
 5060 ECUADOR R. Progreso; 0220-0400 in SS w/ local mx, ID, nx (Poppin, Line-
 5061 PAKISTAN RP; *1400 in Urdu/4060 (Willis).
 5075 COLOMBIA R. Sutatenza; 2216 in SS w/ LA mx, via LP (Padula?)
 5312t BOLIVIA R. Robere; 0211 in SS w/ possible sports event, tlks, separate from Cuba on 5310 (Goldman, Barto 4/24).
 5930 CZECHOSLOVAKIA RP; 0100-0300 in EE w/ nx, ID, cmntry (Sheehan, Fraser).
 5954 COSTA RICA R. Casino; 2310-0002 in EE w/ ads, ID, MOR mx (Krueger).
 5955 GUATEMALA R. Cultural; 0637 in SS w/ marimba mx (Jones 5/31).
 5960 CANADA RCI; 0412 in EE w/ rel. tlks & mx (Richardson). GO BO SOX
 5965 MONACO TWR; *0440 w/ IS, ID into GG, over Jos (XX). AND THEY DID!
 5965 NIGERIA NBC Jos; *0430 in EE w/ ID, IS (Godfrey 5/18).
 5965 SWITZERLAND SBC; *0145 w/ IS, ID by a W, TC (Hywarren 4/18).
 5970 PERU R. El Sol; 0327 in SS w/ ID, rock mx (Poppin) 1055 in SS w/ ID, Andean mx, tlks (Jones 5/10).
 5975 GREAT BRITAIN BBC; 0010 in EE w/ ID, nx (Goldstein).
 5980 PERU R. Panamerica; 0620 in SS w/ LA mx, ID, fast tlks (Cosier).
 5980rf SABAH RMK; 0930 in Malay w/ ID (Cosier).
 5980 SOUTH AFRICA R. RSA; *2230-2255* in EE w/ ID, IS, nx (Richardson).
 5980 USA KGEI; 0710 in EE w/ nx, ID (Goldman).
 5985 MEXICO R. Mexico; 1402 in SS w/ pop mx // 9705, (Jones).
 5990 ROMANIA RB; 0230* in EE w/ ID, schedule (Schwartz).
 5995 AUSTRALIA RA; 1033-1300 in EE w/ ID, nx, IS (Richardson, Luce).
 5995 VATICAN RV; *0030 in SS w/ ID, IS, tlks (Alexander).
 6000 HUNGARY RB; 0230 in Hungarian w/ ID, schedule (Schwartz).
 6002 COLOMBIA R. Super; 0600 in SS w/ ID (Willis).
 6005 ASCENSION BBC; 2300-0135 in EE w/ world nx, ID (Zilmer, Thompson).
 6005 CANADA CFCX; 1400-1800 in EE w/ sports, ads, ID (Alexander, Lineback). 0515 in EE w/ pop mx, tlks, ID (Frajer).
 6005 ZANZIBAR RTZ; 1428 in Swahili w/ AA/Af. chants, tlks (Cosier 4/25).
 6006 COSTA RICA R. Reloj; 1000 in SS w/ LA mx, tlks (Ohtake).
 6010 FED. REP. GERMANY DW; *0130 in EE w/ ID to NA (Delmage).
 6010 ITALY RAI; *0100 in EE w/ ID, nx (Delmage) 0121 in FF (Goldstein). (Jones)
 6010 PHILIPPINES VOA; *1059 in EE w/ ID. Reported last month as Okinawa.
 6011.5 INDONESIA; 1020-1150 in II w/ tlks, progressive rock mx w/ Genesis & folk mx, Mentioned Bandung (nf x-6217) (Cosier).
 6012 ANTARCTICA AFAN; 0718 in EE w/ C&W mx, pops, ID (Cosier). 0900-0915 in EE w/ ID and freqs., pop & rock mx, het 6010 and R. Reloj (Hywarren 4/5)
 6015 COLOMBIA R. Miras; *1103-1158 in SS w/ LA tunes, ID, Todelar plug (Jones, Miller).
 6015 USA BBC; 0330 in SS w/ ID // 6055 (Zilmer).
 6020 PERU R. Victoria; 1147 in SS w/ LA pop mx, ID, het QRM. (Jones 5/20).
 6025 BIAFRA NBC Enugu; 2248-2306* in EE w/ rel. pgm, ID, nx (Krueger 5/15).
 6025 PORTUGAL RP; 0300-0330 in EE w/ ID, nx, local mx & vocals (Luce, Bogel, Earhart). 0505-0525* in EE w/ ID, nx (Onken).
 6030 FED. REP. GERMANY Sddeutscher Rundfunk; 2230-2305 in GG w/ light mx, ID, nx at 2300 (Krueger).
 6035 SWEDEN RS; 0241 in many langs., w/ ID, IS (Jones 5/26).
 6040 ANTIGUA DW; *0130 in EE w/ ID, IS // 6010, 6075, 6100 (Luce, Delmage).

- 6040 GER. DEM. REP.; 0217 in SS w/ ID, freqs., cmntry(Jones).
 6045 SENEGAL St. Louis; 0658-0740 in lang. w/ Af. mx, tlks, some FF, native chants and AA sounding wallings, via LP(Cosier 4/21). Great catch!
 6045 SWITZERLAND SBC; *0430 in EE w/ ID, nx(Swanson).
 6055 JAPAN NSB; 0952 in JJ/EE w/ lang. lessons(Jones).
 6060 ARGENTINA RN; 0927 in SS w/ ID, MW ID LRI, tlks(Jones).
 6065 COLOMBIA R. Super; 0900 in SS w/ ID, tlks, LA mx(Luce).
 6065 SPAIN RTVE; *0100-0120 in EE to NA, editorials, nx, ID(Delmage, Fraser).
 6070 CANADA CPRX; 1935 in EE w/ wx, ID, pop mx(Alexander).
 6080 BELGIUM RTB; 0015 in EE w/ ID, nx(Goldstein).
 6082 PERU RN; 1133 in SS w/ folklorico mx, tlks(Jones).
 6085 ANTIGUA DW; 0550* in EE w/ ID, NA(Lambard).
 6085 COLOMBIA Ondas del Darien; 0253 in SS w/ ID, tlks, nx(Bishop 5/24).
 6090 LUXEMBOURG RL; 0001-0132 in EE w/ pop mx, ID, DJ(Valco, Alexander, Jones, Schwartz).
 6090 NIGERIA RTV Kaduna; 2230-2311* in EE/Hausa w/ vocals, ID, (Sapoznikow).
 6095 PERU RN; 0527 in SS w/ ID*R. Nacional...perorata al estilo Peru"
 6095 POLAND RP; 0300 in EE w/ ID, nx(Zilmer).
 6100 CHILE R. Calama; 1140 in SS w/ tlks, promos(Cosier 5/31).
 6100 MALTA DW; *0130 in EE w/ ID, //6010, 6040, 6075(Thompson, Delmage).
 *0200 in GG to NA(Delmage).
 6100t NIGERIA NBC Maidiguri; 0432-0505 in EE w/ easy listening mx, seemed //4990, 4932(Bishop).
 6105 TANZANIA RT; 1300-1440 in lang. w/ Af. mx, little cmntry(Cosier, Willis)
 6115 MEXICO R. Univ. de Sonora; 2325 in SS w/ classical mx, ID(Myers)1530-1800 in SS w/ light classical mx(Godfrey, Thompson).
 6120 CANADA BBC Sackville; *2330 in EE w/ world nx, ID(Zilmer).
 6120 COLOMBIA R. Super de Cali; 0753-0932 in SS w/ local mx, ID, TC, network plugs, LA mx(Sapoznikow, Jones).
 6120t MONTERRAT BBC; 2358 in EE w/ BBC-WS nx, //6175(Goldman).
 6130 CANADA CHNX; 1835 in EE w/ ads, mx, interview pgm(Alexander, Richardson)
 6140 SOUTH KOREA RK; 1600-1630 in EE w/ ID, nx, KBS cmntry(Rojewski).
 6155 SINGAPORE RS; 1105-1140 in Malay w/ chants, W anc, Time pips, nx(Krueger).
 6155 USA WYFR; *0200 in EE w/ ID(Myers)*0400 in EE(Swanson).
 6160 COLOMBIA Em. Nueva Granada; 0800-1045 in SS w/ RCN ID, tlks, TC, nx, local mx, ads, (Sapoznikow, Tannenwald).
 6165 MEXICO XEWV; 1118 in SS w/ ID, freqs, MW ID's(Jones 5/21).
 6165 NETH. ANTILLES RN; 0200 in EE w/ ID, nx(Luce).
 6165 VIETNAM Saigon; 1130 in VV not noted on 7245(Willis). Jones).
 6170 COLOMBIA La Voz de La Selva; 0945-1100 in SS w/ ID, ads, mx(Tannenwald, Jones).
 6170 VENEZUELA RN; *1002 in SS w/ NA, ID, symphony mx(Jones 5/11).
 6175 ASCENSION BBC; 0000 in EE w/ nx, ID(Luce).
 6176.2 AUSTRALIA 3BW; Pop music pirate station, 0910* pop and rock mx, this station use to be on medium wave only from around 1410-1510kHz and once on 1930kHz where I verified the station!(Cosier 4/20).
 6190 VENEZUELA Ecos del Torbes; 1053 in SS w/ ID, ads(Jones).
 6195 CANADA CBC-NS; *0138 in EE w/ ID, nx, cmntry(Myers).
 6200 ALBANIA RT; 0200* in EE w/ ID (Luce).

Thats it for another month gang. Some good tips in this section. Please excuse the heading as I ran out of Section B labels. Whoever is in charge of sending them out...I need some. Hi!.....Sam.

Radio Canada
 International



RADIO NACIONAL DE CHILE

log report section C

NOTICE! ALL REPORTS TO THE LOG REPORT SECTIONS SHOULD BE SENT TO THE DISTRIBUTION EDITOR: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 56045! GREG'S DEADLINE IS THE 12th OF THE MONTH!

- 6205v LYBIAN WATERS Mebo II; *1800-2300* Daily. Pop music with interruptions every 60 minutes with: "You are tuned with a test transmission in the Medium Wave Band on 773 kHz, 381.1 meters; and the 49 meter short wave band of 6205 kHz and on the VHF FM 90 MHz. This test transmission will continue until 0100 this morning." No Identification was heard, but the Interval Signal was the "Man of Action" that was formerly used by Radio Northsea International. Very Strong Signal (Wootten-Italy 5/23). -Thanks for sending previous recording of this station, Chuck! (editor)- 2100-2300* EE announcements with No ID and continuous pop mx. Announced // 773, 90 MHz and later, 9810 kHz was mentioned. Noted to say will be signing off at "1 o'clock this morning" (at 2300* = GMT + 2) (Foster & Cosier-Australia). 2219-2255 in an unidentified language with dance music and pop vocals. Very Poor signal with QRN. (Barte). -Thanks for sending the pictures of your DX shack, Sam! (editor)- ORF (Austrian Radio) transmitted the following in their SW Panorama DX Pgm: "The two broadcasting ships Mebo 1 and Mebo 2 once used by the pop music station RMI are at present anchored off the Lybian Coast. Only one of the ships has been bought by the Lybian government. The second ship (Mebo 2) has been hired for a period of two years. The contract puts the Swiss owner in charge maintaining and developing the Lybian radio service on land as well." Go Get-um Folks!!!
- 6306 CLANDESTINE Voice of the Burmese People; Burmese program from 1400 to 1442 sign off. First time noted by me on this frequency and very weak indeed! (Willis).
- 6348 KOREA (SOUTH) Voice of Hope; Heard at 1000 and signing on again at 1230. Good level with Pops and Korean announcements (Willis).
- 6580t CLANDESTINE Voice of Lebanon; Arabic announcements & a good deal of mx by brass military band; the talk contained a good deal of rhetoric. The BBC lists this as 6850. I could not get an ID and so must put as tentative although I am pretty sure that this is the Lebanon clandestine station. Very Weak! (Willis 5/17).
- 6903.4 VIETNAM Viet Bac; Heard well at 1310. My listing in May Friendz was for 6987. This was my typing error. It should have been 6907. (Willis).
- 7025 CHINA PLA; 1000 Heard very well//7280. The interesting thing that it was running a few minutes slower than the 7280 tape perhaps suggesting different transmitter sites. Gave nice clear identification at 1014 (Willis).
- 7065 ALBANIA R. Tirana; 0000-0030 English to N. America with news, cmntry on Albania in WW II and how Spain's and Italy's communist parties were doing. (Fraser 5/10).
- 7105 ASCENSION ISLAND; 0258-0330 EE w/IS, ID, World News, Mx about Britain (Thompson 5/28)
- 7116 THAILAND R. Thailand; Thai 1400 //6070 and 4832. Haven't heard these two latter frequencies for awhile either (Especially 6070 which strikes me as irregular or even perhaps off the air prior to my hearing it this month). (Willis 5/20).
- 7120 ALBANIA R. Peking Relay; 0300 EE IS, ID under extreme QRN (NO NAME! Please Remember to put your name on each report otherwise it will probably be tossed out!! (Editor)-
- 7120mf BIRPT R. Cairo; 0257 Letterbox Pgm. Read a letter from Arthur Cushen //9475. (Wootten 5/23, Schulman 6/2).
- 7125 CHINA R. Peking; 0100 EE nx, railways improve after defeat of Gang of 4. Doubled check this freq., but haven't heard it since. (Sheehan 5/12).
- 7130 ENGLAND BBC; 0245 EE pgm. The program is SSB! (Gagnon). -SSB? Thank you for sending your card, Pierre!! (Editor).-
- 7145 NIGERIA NBC (Ilorin); 0520 EE w/local music, Site ID. QRM (Bishop 5/8, Goldman).
- 7145 SARAWAK R. Malaysia; Heard at the early time and at the extra good level at 1000 in Malay//4835. Is the Asian on 7143 later in the night this or Laos? (Willis).
- 7157mf KOREA (SOUTH) R. Korea; 1500 Chinese. Heard earlier in night in EE (Willis).
- 7160 SARAWAK R. Malaysia; 1000 CC pgm //4950. Very good level (Willis 5/2). (Overcamp).
- 7165 PHILIPPINES WOA; 1105 English nx. Now listed for Phil since Ryuku Is. off air
- 7170 NEW CALEDONIA R. Noumea; 0800-1108* Easy Listening mx, ID (Hoffman, Gagnon, McLaughlin,
- 7170 USSR R. Moscow; 0045 EE with Moscow Mailbag //7250 (Alexander 5/13). Miller)
- 7175 ITALY RAI (Caltanissetta); 0520 Italian mx, ads, announcements, tones (Frajer 5/23)
- 7185 SOUTH AFRICA Springbok Radio; 0615-0700 EE & Afkns with ads, call in, contemporary mx, ID, 3 Note IS. Very Enjoyable. (Strevler 5/31).
- 7190 PORTUGAL R. Free Europe; 0547 Polish Pop mx & tlk. No Jamming heard (Earhart 5/28).

- 7190 YEMEN DYBS; 0340 AA chants, ID, mx (Bishop 5/25).
- 7194 INDIA AIR; 1430 Good level with news program (Willis 5/15).
- 7200 ENGLAND VOA; 0300 English news program (Wilson 5/30).
- 7203 KOREA (NORTH) R. Pyongyang; 1010-1045* EE cmntry, mx, ID (Rojewski 6/1).
- 7210 SWITZERLAND ICRC; *0600 IS, EE pgm on Red Cross Activities (Cohen).
- 7215 IVORY COAST RTVI; 0623 FF w/stupendous signal with light African mx//4940 (Coiser).
- 7225 MOROCCO RTVM; 0615 AA music with many mentions of Rabat (Hoffman 5/17).
- 7225 PHILIPPINES FEBC; 1240-1300 Indonesian talk, organ mx. 1300 JJ pgm (Thompson 6/8)
- 7240 NORWAY R. Norway; 2257 Norwegian w/IS under R. Moscow. ID. I don't believe it is 250 KW. 10 KW? (Coiser 4/21).
- 7245 ANGOLA R. Nacional; 0415 Portugese pop music and Identifications (Bishop 5/1).
- 7250 USSR R. Moscow; 2230-2330 EE to N. America. Nx, cmntry, mailbag (Fraser 5/1).
- 7255 GERMANY (WEST) RFB; 0359 Romanian pgm with ID, mx. Good signal (Schulman 5/23).
- 7260 GERMANY (EAST) RBI; 0645 EE s/on for pgm to Africa (Wolfish 6/4).
- 7265 TOGO Rdf TV Togolaise; 0608 FF w/talk, drum mx, etc//5047. 0623* for no reason! (Coiser 4/23, Gagnon 4/6).
- 7265 CYPRUS CBS; *2210 w/guitar IS, Greek 2215 to 2320 (Foster & Coiser 5/15).
- 7265 GERMANY (WEST) Sudwestfunk; 2340-0300 German with ID, German and English pop music.
- HAM QRM (Earhart 6/5, Schwartz 5/9, Krueger 5/21).
- 7270 POLAND Polish Radio; 0150-0230 EE ID, Polish music into Polish language program. (Krueger 5/22, Hoffman 5/31). 2140 FF News and ID (Gagnon).
- 7270 SARAWAK R. Malaysia; 1000 with Iban news//5005. (Willis).
- 7270 SOUTH AFRICA RSA; 0259 English program with Identification (Gagnon 5/29).
- 7275 CHINA; Regional station at Guiyang. Heard well at 1310. Have not heard this for over a year. Chinese music and a play. (Willis 5/15).
- 7275 NIGERIA VON; 0648 s/on in EE after usual Interval Signal. Poor signal (Wolfish 6/4).
- 7275 TUNISIA RTVT; 0400 AA music with short announcements by YL (Hoffman 5/21). 0649 AA music with a fair signal. (Wolfish 6/4).
- 7280 FRANCE RFI; 0503-0606 RFI Theme music, ID in French, news, pop music, etc. (Gagnon 5/4, McLaughlin 4/18).
- 7285 MADAGASCAR R. Nederland; 2101 FF ID, talk and music (Gagnon 5/29).
- 7285 SOUTH AFRICA SABC; 0610-0700 EE nx, weather of cities around world. VOA QRM at 0900 (Streveler 5/31).
- 7290 PAKISTAN R. Pakistan; 1417-1443 English ID, man spoke of Baby Care, etc. (Poppin).
- 7295 USSR R. Moscow; 2035-2100* FF ID, talk, news, etc. (Gagnon 5/29).
- 7300 ARMENIA R. Tirana; 0130 EE w/ID (Luce 6/6). 0228 EE w/IS, ID, International Events, piano mx (Thompson 6/4).
- 7320 ENGLAND BBC; 0120 Ek w/World Service with talk about Police unionization drive in the United Kingdom. (MacKay 5/27).
- 7345 CZECHOSLOVAKIA R. Prague; *0100 EE w/CHU QRM. (Delmage 4/15). 0158 SS w/IS, ID, nx, orchestra mx, etc. (Thompson 6/4). 0300 EE Nx, cmntry, mx, first day cover offer. (Hartsell 5/8, Luce 6/4).
- 7412 ISRAEL IBA; 0215 EE Election Coverage in EE w/Alexander Diamond (Cohen 5/18). 0500-0515* English with a news program (Sheehan 5/10, Schwartz 5/2).
- 7480 UNITED; 1319 in lang (possible CC) with talk by OM and very strange mx, sounding close to VV style but not quite. Fair with UTE QRM. R. Peking? (Hywarren 5/31).
- 7516nf CHINA Peking HS; Chinese program at 1430 with a good signal //7504 (Willis).
- 7580t KOREA (NORTH) R. Pyongyang; 1312 with revolutionary music, occasional YL vocals. Brief announcement at 1315 but too weak to QRM. Possibly in EE. (Hywarren 5/31).
- 7800 CHINA R. Peking; 1500 Russian program. Have not noted this frequency being used previously. (Willis).
- 9022 IRAN VOI; 1915 EE w/local music, cmntry, ID (Altman 6/5). 2245 EE nx (Schwartz 5/25).
- 9210 USSR MAYAK; 0128 Russian with news, wx, polka, TC, IS, etc. (McLaughlin).
- 9390 CHINA R. Peking; 1300 Russian noted here//6660, 6560, 5143, 4882 and 4813. Noted later in the night with a Russian pgm at 1500 GMT//7130, 9675 & 9532 (Willis).
- 9435 ISRAEL IBA; 2250-2300* EE w/Round Up of News, ID (Godfrey 5/25).
- 9475 EGYPT R. Cairo; 0200-0330* EE ID, Calling Listeners, nx, Arab mx, etc. (Grenier 5/6, Sheehan 5/23, Thompson 5/13, Bogel 5/23, Clark 4/27, Lambert 5/8, Fraser 5/24).
- 9480 CHINA R. Peking; 0000 SS program with News, anthem. (Luce 6/7).
- 9500 USSR MAYAK; 1800 Russian identification signal and Russian program (Luce 6/3).
- 9505 CZECHOSLOVAKIA R. Prague; 0645 Inter program with EE, GG and an unidentified language. Talk and pop music (Frajer 5/14).
- 9505 JAPAN NHK; *1000 EE news program (Delmage 5/9). 1100 EE w/general service news (Jones 6/5, Ohtake 5/20). 1800 EE News program (Luce 6/9).
- 9510 USA BBC Relay; *0030 World Service (Delmage). 0015 EE talk about Coup in Angola (Schulman 5/17).
- 9515 TURKEY VOT; *2200 EE ID, nx, cmntry, DX Pgm (Hywarren, Peterson, Goldstein).
- 9515 AUSTRALIA R. Australia; 0743-0810 EE ID, mx, nx//9540 & 9580 (Hywarren, Hermann).
- 9520 PERU R. La Cronica; 0528 Andean music, ID "Esta es La Cronica, Lima, Peru. Onda media y onda corta". Fair with Het. Possible 0600 s/off. (Hywarren 4/17).

- 9525 INDIA AIR; 2150 EE w/sub continental mx, brief talks. Distorted! (Bolitho 5/14).
- 9530 GREECE VOG; 1918-1930 EE news read by woman (Fraser 5/15).
- 9530 JAPAN NHK; 1030 SS news and Japanese lesson//9605 & 11705 (Ohtake 5/20).
- 9530 SPAIN RTVE; 2215 SS talk and identification, music (Alexander 5/19).
- 9535 CANADA RCI; 0058-0130 EE w/IS, ID, nx, sports, cntry, etc. (Thompson 5/28).
- 9535 SWITZERLAND SBC; 2120 EE Dateline and Swiss SW Merry-Go-Round//9590. German at 2130. (Alexander 5/28, Bishop 5/20). 0700 EE w/IS, ID, TC, Dateline (Rojewski 6/1).
- 9540 AUSTRALIA R. Australia (Shepparton); 1030 EE nx, countdown pgm with music requests for New Zealand//5995 & 9550 (Richardson).
- 9545 AUSTRALIA R. Australia; 1100 EE news program//9540,9515 & 9580 (Zilmer 5/23).
- 9545 SOLOMON ISLANDS SIBS; 0730 EE with pop music, time checks, local news, ads. Good signal to 0757 when covered by VOA s/on (Osterman 5/17). -I have not seen this frequency reported for this station in a long time! (editor)-
- 9555 MEXICO La Hora Exacta; 1710-1730 with ID, TCs and musical commercials. Pips every minute on the min. 6/16 (Delap 6/16). -Thank you for the nice comments Joel (editor)-
- 9560 ECUADOR HCJB; 0145-0230 EE with interview with Jim Irwin, etc. (Thompson 5/14).
- 9565 USSR R. Moscow; 2230 EE Commentary with talk about Russia (Woltman 5/20).
- 9566 CHILE La Voz de Chile; 0108-0124 GG pgm into EE News, ID, cntry, music, etc. (Valko 6/1, Delmage 4/19, Lewis 5/25, Sapoznikow 5/25).
- 9570 ROMANIA R. Bucharest; 0130 EE news (Godfrey 5/24). 0400 EE news, cntry with a lot of interference (George 6/1, Zilmer 5/30).
- 9575 ITALY RAI; 0100 English news and music (Grenier 5/6, Sheehan 5/16, Godfrey 5/24).
- 9580 AUSTRALIA R. Australia; 1115-1330 EE news, Top 40 music, International Report, TC's, etc. (Luce 5/19, Woltman 5/14, Richardson 4/11).
- 9580 PHILIPPINES VOP; 1405 News, sports roundup (Lewis 5/25).
- 9585 JAPAN NHK; *1200 EE ID, nx, cntry. Japanese at 1215 (Richardson 4/12). 1400 EE news with the General Service (Bolitho 5/14).
- 9585 SOMALIA R. Mogadishu; 1835-2102* lang with many IDs, nx, songs and National Anthem at close (Overcamp 5/1, Schulman 5/19). -Tom Overcamp ads that last months report of SYRIA on this frequency probably is Somalia! (editor)-
- 9590 MONTSERAT DW; 0127 IS into ID in EE as Caribbean Relay station into news by OM. (Hywarren 2/6). 1116-1120* SS nx w/EE closing as Caribbean Relay (Krueger 5/14).
- 9590 USSR MAYAK; 2258-2322 Russian MAYAK IS into talk by man and woman (Krueger 5/21).
- 9595 BRAZIL R. Cultura da Bahia; 0040 PP with Soccer game (Sapoznikow 5/19).
- 9595 JAPAN NSB; 1010 Japanese talking (Ohtake 5/20). 1530-1615 EE with Tokyo Forum, music requests, ads for Honda, ads for Japan Airlines, etc. (Thompson, Grenier).
- 9600 USSR R. Kiev; *0030-0100* IS, EE ID, news and commentary (Onken 5/8).
- 9610 AUSTRALIA VLW-9 (Perth); 1055-1305 EE w/My Music quiz, radio serial, sports, etc. (Wilson 5/27, Richardson 5/17, Fraser 5/8).
- 9610 MALTA DW; 2128 IS, ID in EE (?). Barely audible! (Underdown 6/8). I have Portuguese listed for this time slot (Editor)-.
- 9610 USSR R. Kiev; *0031 EE nx, cntry (Hermann 5/9). 0300 EE nx, cntry (Luce 6/7).
- 9610 USSR R. Rodina; 2346-0028* RR ID, nx, interviews, talk, etc. (Hermann 5/8).
- 9620 GERMANY (EAST) RBI; 2228 IS just after R. Belgrade went off, theme mx, 2230 GG ID into GG Service (Underdown 6/8).
- 9620 YUGOSLAVIA R. Belgrade; *2200-2227* EE ID, nx, cntry of Mondale's meeting with Tito. FF pgm at 2215. (Onken 5/22, Earhart 5/16, Underdown 6/8).
- 9620t VIETNAM VOV (Ho Chi Minh City); 1212 tune in, seemingly political cntry by YL with Vietnamese music. 1215 tentative ID for Ho Chi Minh City, nx by YL (Possibly Hanoi relay as Hanoi was mentioned frequently). 1230 end nx, then VV mx to fade at 1242. Good signal with KQRI QM. (Hywarren 5/15).
- 9625 CANADA RCI Northern Service; 1000 with music from the Big Bands, Air Force news (Luce 4/16). 1125 Weather announcements in EE, pop music, etc. (Goldstein 6/7). 1430 EE. Unusual for this many Sackville transmitters to be in parallel, but both CBC NS and BBC WS were carrying Cup Final coverage Saturday 5/21 //9580,11720,15365 and other WS like Asc. 15400 (Hauser).
- 9640 ANTIGUA DW; 0130 SS ID & News (Luce 6/6). -I have 0230 listed as sign on! (Editor) -
- 9640 KOREA R. Korea; 1010 EE with Semi-annually trade fair program, Korea in Progress (Verneti 5/5). 1600-1630 EE Listeners Corner, Melodies of Korea, Notes of Buddhism in Korea (Thompson 5/30, Grenier 5/28, Lewis 5/24).
- 9645 BRAZIL R. Bandierantes; 0010-0148 Portuguese with soccer coverage (Pineault, Krueger).
- 9645 NORWAY R. Norway; 0025 EE w/Youth Talks (Goldstein). 2253 IS, Norwegian ID, program summary, then news in Norwegian. Fair signal (Hywarren 4/18).
- 9645 VATICAN STATE Vatican Radio; 2033 EE with religious talks (Richardson 5/10).
- 9650 GERMANY (EAST) RBI; 0345-0415 EE report of Peace Cycle Race, DX Club. German program at 0415. (Bishop 5/9, Sheehan 5/10).
- 9660 VENEZUELA R. Rumbos; 0430 SS Identification and music (Godfrey 5/24).
- 9675 PERU R. del Pacifico; 1148-1230 SS religious talks with ID's. (Roberts, Sapoznikow).
- 9680 AUSTRALIA VLH9 (Melbourne); 1150 EE Symphony mx, Australian nx (Miller 6/4).
- 9685 CUBA RHC; 0158 EE Interview w/cartoonist (Richardson). 0349 EE Sports Round up (Swanson).

- 9685 ALGERIA RTVA; 1900 Arabic talk & mx (Schulman 5/27). 0500 AA pgm (Willis 5/20).
- 9690 ARGENTINA RAE; 0300 EE News, talk, music. BCH QRM. (Goldstein 9690, Sheehan 5/12).
- 9695 SWEDEN R. Sweden; 0200 Portuguese news (Luce 5/8). 0230-0300 EE News and features. (Wilson 5/30, Jakl 5/17, Bogel 5/23, Sheehan 5/15). 2311-2330 EE Panarama and talk about historic Swedish expeditions. Music. (Delmage 5/5, Richardson 5/12).
- 9700 BULGARIA R. Sofia; 0000-0058 EE nx, cmntry, Bulgarian folk music, news summary. (Hetzmann 5/9, Goldstein, Bishop 5/8, Pearson 5/24, Onken 5/21, Jakl 5/16).
- 9715 HOLLAND R. Nederland; 2150 EE w/DX Juke Box (Richardson 5/5).
- 9720 USSR R. Rodina; 2330 IS, Russian ID, talk. Good (Schulman 5/27).
- 9720 USSR R. Kiev; *0300 EE program to N. America. Extremely Weak! (Goldman 4/30).
- 9720 USSR R. Moscow; 1925 English program to Great Britain (Alexander 5/23).
- 9725 SWITZERLAND SBC; 0145 EE w/history of Calvin (Earhart 5/30). 0245 SS ID into GG program (Luce 6/6). 0430 EE nx, cmntry on Uganda, etc. (Woltman, Sheehan, Swanson, Lamba)
- 9730 BELGIUM BRT-4; 0015-0045 EE News, Weather, mx, DX Show (Bolitho 5/6, George 5/27, Sherman 5/13, Richardson 5/15, Pearson 5/24, Birkhaeuser 5/23).
- 9730 GERMANY (EAST) RBE; *0100-0145 EE nx, cmntry, etc. (Bolitho 5/6, Hermann 5/9, Earhart 5/30, Alexander 6/3, Wilson 5/3). 0230 EE nx, sport report, editorial, mx from USSR (Onken 5/13). *0300 EE ID & News (Mayer 5/14).
- 9730 UGANDA UBC; *2030-2055 EE nx, mx, sked, choir mx (Streveler 5/30, Johnson).
- 9735 USSR R. Peace & Progress; 0125 IS & talk in lang (Alexander 6/3).
- 9740 MALAYSIA BBC; 1300 World Service (Wilson 5/27).
- 9745 BULGARIA R. Sofia; 2130 EE nx, cmntry, music//11750 (Zilmer 5/28).
- 9750 CHILE R. Minería; 1122 SS Identification and talks (Jones 6/5).
- 9750 AYAHWA R. Tirana; 0000 EE IS, Anthem, nx, cmntry (Luce 6/7).
- 9750 CYPRUS Cyprus BC Corp; *2210-2230* Guitar IS, Greek music and ID, news into Bouzouki music, ID. BBC MS lists as experimental transmitter for Cypriots abroad via BBC xmters. Scheduled Friday, Saturday and Sunday. (Roberts 4/6). 2213 IS, ID, Greek music, ID's and eff at 2230 (Hywarren). -Jim Roberts also mentioned that Hywarren of UMDX observed them on 9755. Maybe moved up to avoid QRM1 (editor)-
- 9760 GREECE VOG; 0025 EE talk, news (Alexander 5/17). 0215 EE news, music (Lewis 5/25).
- 9765 GERMANY (WEST) DW; 0430 EE nx, cmntry into French pgm. (Johnson 5/5, Sheehan 5/19).
- 9770 AUSTRIA ORF; 0000 GG (Luce). 0130 EE nx (Sheehan). 0339 EE nuclear cmntry (Earhart).
- 9770 HATTI LUVEN; 1200 EE News following Salvation army ads, ID, Religious pgm (Sapoznikow)
- 9780 ALBANIA R. Peking; 0300 News, Chinese lesson, ID, etc. (Godfrey 5/25, Luce 6/7).
- 9790 PAKISTAN R. Pakistan; 2115 EE nx to United Kingdom//11640 (Zilmer 5/5).
- 9805 EGYPT R. Cairo; 2200 English news program (Peterson).
- 9810 USSR R. Peace & Progress; 0130 Spanish news program (Hermann 5/9).
- 9815 ISRAEL IBA; 0115 EE Election Returns//11655, 7412, 12077, 9009 (Hoffman 5/18). 0215 EE (Jakl). 2208-2300 IS, FF ID; 2230 EE ID, music, news, etc. (Poppin).
- 9825 ENGLAND BBC; 2230 English ID into Chinese program (Alexander 5/26).
- 9858 ENGLAND BBC; 0420 IS repeated on SSB feeder (Lineback 6/3).
- 9895 HOLLAND R. Nederland; 2230 Pop music, SS talk. Good signal. (Schulman 5/14).
- 10000 INDIA ATA; 1315 It's tone was out-of-phase with WWV (Goldman 4/16). -Did you hear a CW ID, or what? (editor)-
- 10004 USSR RKM (Time Station); 1321 with time pips. WWV QRM. (Hywarren 4/21).
- 10040 VIETNAM VOV; *0900-0930* EE cmntry//12035 (Streveler). 1815 EE//12035 (Hywarren).
- 10120.0 USSR R. Moscow; 0025 N. American Service with new freq for RCSSB feeder (Hauser 6/2)
- 10224 VIETNAM VOV (Hanoi); 1420 with English language lessons (Willis).
- 11575 CHINA R. Peking; *1659 RR w/IS, ID (Govorit Peking), nx (Wiseblood 5/14).
- 11600 CHINA R. Peking; *1300 IS, ID by YL & OM in lang, NA, nx. Fair (Hywarren 5/25).
- 11625 ISRAEL IBA; 2057-2228 Hebrew ID, old Rock & Roll, etc. (Schwartz, Sapoznikow).
- 11640mf PAKISTAN RP; 2104-2146* Urdu nx into EE pgm (Roberts, Zilmer, Hywarren, Osterman).
- 11645 ISRAEL IBA; 2015 EE nx to South Africa (Woltman 5/21).
- 11650 CHINA R. Peking; 1430 English talk on School (Grenier 5/28). *1600 EE nx & commentary. (Wiseblood 5/14).
- 11655 ISRAEL IBA; 0215 EE Special Election Broadcast (Bolitho 5/18). 0315 EE Election Returns (Schulman 5/18). 2016 EE Election Returns (Sheehan 5/12). 2200 FF talking (Lambard 5/1). 2230 EE Voices from Israel, etc. (Bogel 5/19, Schwartz 5/25, Grenier).
- 11685 CHINA R. Peking; 1320 talk in lang, Opera mx, International and off. (Hywarren).
- 11690 USSR R. Moscow; *0800 IS, ID, nx to Australia & New Zealand//15130. (Hywarren) Lang?
- 11690 USSR R. Vilnius; 2300 English news and commentary (Pearson 5/24).
- 11700 DOMINICAN REPUBLIC R. Clarin; 2330 English. After power supply problems; Rudy estatic, again alluding to change in time for convenience of European listeners; also noted with a mailbag program in Spanish at 2250 6/4, most letters from Alemania. Always a crackle on the transmitter (Hauser).
- 11700mf MONACO TWR; *1930 IS then Arabic ID into religious program (Mayer 6/5).
- 11700 VATICAN STATE Vatican Radio; 0100 IS, EE ID, Religious news, interview with a Cardinal, etc. (Grenier 6/5, Rojewski 5/31, Thompson 6/2).

Thank you to all of the reporters who sent in tips this month! A lot of good catches were sent in this month! I hope to see many of you at the ANARC Convention!!!

log report section D

David Walcutt, Ed.

11701 & above

JULY, 1977

Thanks to all contributors for your support! To those who type their loggings and do not use the club report forms, (1) please allow at least 3/4 inch between the beginning of any logging and the beginning of the next logging, and (2) use 8 1/2 inch width paper where at all possible. This may seem trivial, but with some 800 items an appreciable amount of work can be saved by using standard sizes!

Roger Legge writes: "In June Frenxh you raise question of R.Tashkent sites. Differing from Kiev/Vilnius/Yerevan/Minsk programs on R.Moscow facilities, R.Tashkent has its own xmtrs, which appear to be in the Uzbek SSR, and carry only Tashkent programs on the R.Tashkent frequencies, tho may be used for R.Moscow programs at other times on other frequencies."

- 11705 AUSTRALIA RA; 1120-1131 EE, As.Svc., mx, nx, good (Richardson 5/13)
11705 FRANCE RFI; 0540-0600 FF, black soul & progressive rock, over New Zealand (Wisblood 5/15).
- 11705 NEW ZEALAND RNZ; 0331-0430 EE, mx, Rugby (Earhart & Swanson: 5/28).
11705 SWEDEN RS; 2257-2315 EE, interview abt Swedish composers (Bogel 5/19); 0100+ Swedish ID (Hywarren 5/26); 0230-0300 EE, "The Swedish Scene", etc., some RNZ QRM (Brown 6/9, Pavlicsek 5/31, Cohen 5/23, Earhart 5/30); 0300-0318 SS, 11 minute tuing signal (Luce 6/7, Poppin 5/24); 0425-0455* Swed. Home Service pgms, unscheduled & only heard today, Swed. pops to 0445, nx w/Morse "SR", seems their 3rd pgm., 0445 IS and sermon, apparently 1st pgm; could this have been a special relay for the first day of Scandinavian summer, or just due to an all-night party in their control room? (Walcutt 6/1).
- 11709.7 ARGENTINA RAE; 2300 EE, notes on Argentine independence struggle (Lewis 5/25); 2300-2345 EE, Arg.mx & nx at end of pgm (Jakl 6/2); 2356 EE, RAE itself is the cause of the nasty heterodyne against 11710.0 stations, measured 11709.7 (Hauser 5/14).
- 11710 NEW CALEDONIA R. Noumea; 0646 FF, pops, //7170 better (Pineault 6/4)
11710 USSR RM; 0037 SS, male tlk, weak (Mackay 5/14).
11715 SWITZERLAND SBC; 0145+ EE, mx, nx (Woltman 5/21); 0215-0245 SS, exc.(Wal't 6/19); 0245+ GG (Luce 6/6); 0415-0445 EE (5 reporters).
- 11730 GREECE VOG; *0015-0115 EE, nx & bazouki mx to N.Am., //9760 (Zilmer 5/31, Thompson 5/17, Schwartz 5/23, Sapoznikov 5/9).
11730 HOLLAND RN-Lopik; *2130 EE, "Newsblock" (Pearson 5/23).
11730 USSR (Uzbek SSR) R. Tashkent; 1200 EE, IS, ID, nx (Miller 5/22).
11730NF USA WINB; 0215-0230 EE, "V. of Revival", 0230 SS (Thompson 6/2).
11730 INDIA AIR; 2200 EE, PM travelling Indian airlines (Vernetti 5/15).
11755 FINLAND RF; *1700 unid. lang., IS, ID through severe Cuba QRM (Brown 5/16); 2330-2355 EE, disc Finn common law marriage (Sheehan 5/24); 2331-2340 EE, QRM from both sides (Bogel 5/19).
- 11755NF SEYCHELLES FEBA; 0310 IS, 0312 Id in unid. lang., rel. pgm., good (Hywarren 5/22); 0330-0340* unid. lang, fair (Zilmer 5/28); 0340*, sounded Hebrew, "What a Friend We Have in Jesus" xylo IS at closing (Hauser 6/3). On BBC WRC heard here 6/15, G.Weston reported that the BBC M.S. has not heard this since the recent coup there. My attempt to hear this 6/19 at 0320 was not successful. But I feel that the stn will re-appear after a discrete interlude -ed.
- 11765 BULGARIA R. Sofia; 2130 EE, tlk abt Bulg. education (Woltman 5/22).
11775 INDIA AIR; 1040-1100* EE, Indian string mx, talk abt Uranium, news, poor, //15205 (Miller-OHIO 5/27).
- 11785 BRAZIL R. Guiba; 1103 PP, Brazilian news, poor (Miller 6/3).
11790 AUSTRALIA RA; 1300 EE, nx, unlisted time (Zilmer 5/29).
- 11789.2 INDONESIA VOI; 0930-1413 Indo., GG, EE, FF (7 reporters).
11795NF ANTIGUA/MONTS. DW; *2200 GG, ID for Carribean Relay on this supposed Kigali freq, fair but //9680 better (Hywarren 5/10). BBC MS gives this current site info: 0200-0350, Malta; 0400-2150, Germany; 2200-0150, Antigua. Hope that helps. Kigali no longer here -ed.
- 11800NF SEYCHELLES FEBA; 0355 EE, IS, ID, opening w/EE to E.Af., a fre-

- quent mover (Hauser 5/16); 0430 IS, ID in FF & unid. lang; pgm in S.As. lang., rel. mx, weak & fading (Mackay 6/5). Cf. 11755 -ed.
- 11800 SRI LANKA SLBC; 1409-1445 unid. lang./EE, "Buy Omega quality wrist watch", good lately (Poppin 5/13, Bogel 5/23).
- 11805 USSR-Tbilisi (Georgian SSR) RM; 2200 EE to Br.Isles, site per UHN #5 (given as "listed" -ed.), nx, cmtry (Bishop 5/11).
- 11810 ANTIGUA/MONTS. DW-Caribbean; *1255-1350* GG, nx & church organ mx, now that they've bought all those new xmtrs, they can't afford to produce pgms, so they just keep running the same 20-minute tape over and over again (Walcutt 6/19); 1328-1330, IS, ID in GG, into nx, good (Hywarren 5/24). Let's hope they extend their EE to N.Am.
- 11810 INDIA AIR; 1350-1401 Indian music, poor (Bogel-CA 5/20).
- 11810 ITALY RAI; 0035-0101 Italian, EE, uninterrupted mx & songs, nx headlines at end of pgm, faint co-channel stn but v.strong & clear (Poppin 6/5); 0039 II, pop mx, strong, //11905 (Mackay 5/14); 0100-0120 EE to N.Am., domestic & world nx (Rojewski 6/1, Thompson 5/14) 0103 EE, socialist cmtry sounding a bit like Moscow (Bolitho 5/6); 0310 Italian, news (Luce 6/7).
- 11810 JORDAN R. Amman; 0340-0400 AA, non-stop chants (Mayer 5/28).
- 11815 POLAND Polish R., *0259-0330 EE to N.Am., exc. (7 reporters).
- 11815 PORTUGAL (GERMANY?) RFE; 0357 IS into Romanian (Wolfish 6/4).
- 11825 SOCIETY ISLANDS R. Tahiti; 0315-0545 FF/Tahitian, Poly. mx (Thompson 5/14, Hartsell 6/9, Godfrey 5/15); 1630-1705 FF/TT, M w/anmts, FF pop music, unusual time here, fair (Krueger 5/14).
- 11830 CHINA Voice of the Malayan Revolution; 1500-1530 EE, ID, political cmtry, revolutionary songs, ID, good (Rojewski 5/20).
- 11835 HAITI R. 4VEH; 1235-1408 EE, request pgm, rel. mx, nx, wx, fair with some fading (Roberts 6/2, Frajer 5/17); 0030* EE by M, QRM R. Spectator (Wolfish 5/11); now 11835.0, ex-11834.88 (Hauser 5/28)
- 11835 LIBERIA ELWA; *2000-2015 Hausa, EE/FF ID's into Hausa news, over 4VEH (Mayer 5/30). Al, top-notch publisher & Good Guy! Tnx.
- 11845 CANADA RCI; 0200 EE, nx, cmnt, new magazine pgm (Luce 6/4).
- 11845 SEYCHELLES FEBA; *0345-0400 AA, rel. pgm after IS & EE ID, fair (Mayer 5/28); 0442-0447* unid. lang., IS and off, g (Krueger 5/30).
- 11850 PHILIPPINES FEBC; 0830 EE, nx, lbx, travel info (George 6/2).
- 11855 CANADA RCI; 1810-1831 Hungarian, W tlk, IS, ID (Bogel 5/27).
- 11855 NORWAY RN; 1600 EE, "Norway This Week" (Grenier 5/22).
- 11855 SAUDI ARABIA BSKSA; 1910-1926 EE, nx, mx, cmnt (Streveler-HI 5/30)
- 11860 KOREA S RK; 1145 EE, political tlk abt new war (Osterman 5/27).
- 11860 NORWAY RN; 0000 EE, "Norway This Week", fair (Zilmer 5/30).
- 11860 USSR (Asian RSFSR?) RM; *2150 RR, relay of first pgm after series of test tones until 2158, IS, ID, QRM, site? (Brown 5/21).
- 11870 ECUADOR HCJB; 0400 EE/SS, mixing product, believe transmitted, between 1915 and 11960, at 45 kHz separations (Hauser 5/16).
- 11870 NORWAY RN; 0400-0430, 0620, 2200 EE on Sundays (Hartsell 5/23, C.Hoffmann-PA 5/29, Zilmer 5/29); 2059+ NN, g (McLaughlin 6/6).
- 11875 JAPAN NHK; 1230 RR, news (Luce 6/7).
- 11890 GERMANY E RBI; *0030-0415* EE to N.Am. (6 reporters); 0423-0433 GG, nx, ID, very good (Bogel-CA 5/18).
- 11895 NORWAY RN; 0400-0412 EE, //11860 (Zilmer 5/30, Mackay 5/30).
- 11905 GERMANY W DW; *2300 IS, GG; weak R. Moscow IS underneath, also presumed R. Sweden program (Walcutt 6/18).
- 11905 ITALY RAI; 0041-0218 II/EE/II, under R. Sweden, fair/poor, //11810 (Mackay 5/14, Schwartz 5/9, Jakl 5/16).
- 11905 SWEDEN RS; 2343-2357 EE, lbx tlk abt Laps (Sheehan 5/15); 0030-0057 EE, strong, RAI beneath (Rojewski 5/31, Mackay 5/14, Poppin).
- 11905 THAILAND RT; 0455+ Thai, marching mx & tlk, poor (Godfrey-00 5/24)
- 11910 HUNGARY R. Budapest; 0130-0300 Hungarian Mondays, mx, dramatics, cultural programming (Pavlicsek 6/5 (but you mean 6/6, right?-ed), Mackay 5/23, Barhart 5/30); 0200-0413* EE Tue-Sun (Onken 5/13, Grenier 6/1, Zilmer 5/27, Luce 6/7, Johnson 5/21, Streveler 5/18).
- 11915 UK VOA-Wooferton; 1830 EE ID into Romanian nx (Overcamp 5/28).
- 11925 GREECE VOG; 1810-1825 EE, comprehensive nx (Streveler-HI 5/30).
- 11930 USSR (Ashkhabad, Turkmen SSR?) RM; 2330 SS to S.Am. (Bishop 5/11).
- 11935 AUSTRALIA RA; 0623 EE, pop mx, fair, fading (Mackay 5/14).
- 11935 PORTUGAL 0515 EE, past Port/Spanish relations feature (Cohen 6/3).
- 11937.6 CAMBODIA Phnom-Penh R.; 1231-1257 unid. lang., tlk & female singing vocals from 1240, possible 1257*, weak but clear; thx to H. Cress (Krueger 5/14). After a little checking around I found that the official name of the country is now "Democratic Cambodia" -ed.
- 11940 ROMANIA R. Bucharest; 1945-2015 EE, "R. Newsreel" (Sheehan 5/12).

- 11945 LIBERIA ELWA; 2015 EE, "Back to the Bible", fair (Miller-OH 5/16).
- 11945 SEYCHELLES FEBA; 1343 EE/unid. lang., repeats of alternating ID's and IS into pgm w/M&W (Perdue 6/5). Cf. 11755. Good to see your name again, Neal - I liked your antenna survey back in 1975! -ed.
- 11950 HOLLAND RN-Lopik; *2130 SS, "Estación de la Alegria" (Brown 5/21).
- 11950 USSR (Kazakh SSR) R. Alma Ata; *0000-0045+ RR, IS per RCI tape, two brief anthems (Overcamp 5/30+); 0030-0050 RR, orch mx, fair Mayer 5/12).
- 11960 MALI Rdf. N. du Mali; 1000-1038 FF, lel mx, clear ID, weak (Hermann 5/15); 1615-1703 unid. lang., Afr. mx, good (Bogel 5/20).
- 11960 ISRAEL Israel R.; relay of "D" (Arab World) pgm beamed to WCNA; 0500-0515 EE & 0515-0530 FF, nx & wx report, //12045 (6 reporters); 2000 EE, nx, //1512, 11655, 9815, 9425 (Zilmer 6/1).
- 11980 GERMANY E RBI; 1658 IS into GG, nx, cmntry, fair (Hywarren 5/22).
- 11990 CZECHOSLOVAKIA R. Prague; 0300-0315 EE (Earhart 5/28, Luce 6/5).
- 12000 AUSTRALIA VNG; 0559-0600 EE, time stn (Frazier 5/10, Wilson 5/8).
- 12005 EGYPT R. Cairo; 1954 AA, singing & chanting, fair (Schulman 5/27).
- 12010 LIBERIA VOA-Monrovia; 1815-1830 PP, tlk, mx, fair (Sheehan 5/12).
- 12012.1 COSTA RICA R. Relejo; 0450 SS, 12012.064, 2 x 6006.032 (Hauser 5/16).
- 12050 USSR RM; 0516-0528 EE, believe site Petropavlovsk (Earhart 5/28); 0500 EE, News About Moscow (Grenier 5/16).
- 12078.- ISRAEL IBA HS relay; 0438 HH, though known as "12077", or seeming-ly more precisely as "12077.5", measured it thus (Hauser 5/16).
- 12085 KUWAIT RK; *1700-2000* EE, rock pgm, g (10 reporters).
- 12120NF KUWAIT RK; 1844-1859 EE, ID, disco pgm, here rather than on 12085, but back on 12085 next day (Wolfish 5/31).
- 12127.0 UK BBC W.S. feeder, measured 12127.000 (Hauser 5/20).
- 12140 ROMANIA REI; 0705 SS, usual political cmntry, only slight jamming QRM (Hywarren 5/23); 1853 SS propaganda, jammed (Schulman 5/23).
- 12420 CHINA RP; 1406 CC, choral mx & opera, fair/good (Poppin 6/5).
- 15008.8 VIETNAM VOV; 1220-1226 JJ w/VV mx (Schulman 5/21); 1510-1530 JJ, Folk mx (Grenier 5/28, Thompson 6/9); 1510-1525* JJ, *1630-1700+ unid. lang., 1800-1900 EE, 1900+ FF, nx, mx, cmntry (Godfrey 5/29); 2005-2014 EE, tlk about pineapple growing in Viet. (Sherman 5/17).
- 15045 CHINA RP; 1227* w/int (Schulman 5/21); BBC ~~MS~~ shows, Serbo-Croat.
- 15084 IRAN NIRT; 0400-0129* Farsi, Iranian mx (8 reporters).
- 15105 FINLAND RF; 1304-1315 EE, lbx, mx, fair (Earhart 5/15).
- 15105 JAPAN NHK; 2002-0300 EE/JJ Gen. Svc. (7 reporters).
- 15115 PORTUGAL RFE; 2120 Bulgarian, M DJ, U.S. pop mx (Alexander 6/2). Due to anti-RFE jammers on this freq, HCJB is moving to 15120 from 1630-1800, instead of 15115, per DXPL of 6/18 -ed.
- 15120 POLAND Polish R.; 0159-0230 EE, //11815 (9 reporters).
- 15125 GERMANY E RBI; *1200-1245* EE, nx, cmntry to S.As. (Zilmer 5/30).
- 15130 NEW ZEALAND RNZ; 0100-0510+ EE, usual MOR DJ pgm (6 reporters).
- 15135 FRANCE RFI; *0500-0655 FF, pop-rock (Wiseblood 6/9, Hoffman 6/29).
- 15135 NORWAY RN; 0305 NN, nx, g (Brown 6/9); 0405 EE, nx, "NTW", //11895 (Cohen 5/30); 0408 EE, fishing & shipping industries tlk, weak (Mackay 5/30); 0715 NN, Lutheran rel. svc. (Johnson 5/15).
- 15140 SWITZERLAND SBC; 1312-1345 EE to N.Am. (5 reporters).
- 15140 USSR RM; 1600 EE following RSP&P, to Asia (Mackay 6/4).
- 15144.8 BRAZIL RJC; 1400 PP, 15144.84 measured (Hauser 5/28).
- 15150 USSR RM; *0330 CC, IS, anmt, fair (Mackay 6/7).
- 15150 GERMANY W DW; 1930-2000 EE, to W.Af., //11905, 9765, cmnt on N-S Conf. (Zilmer 5/28, Schulman 5/21, Sheehan 6/1).
- 15155 USSR RM; 1712 RR "Atlantika" to 1730 "Mayak" (Hermann 5/22).
- 15160 AUSTRALIA RA-Lyndhurst; 0356 EE, laughing Kookaburra (Jackass) bird (Poppin 5/24); 0428+ EE, mx, nx, //15320 (Godfrey 5/19).
- 15160 HUNGARY R. Budapest; 1200 EE, nx, mx, to Europe (Zilmer 5/30).
- 15160 MEXICO XEWW-LVAL; 1119-1330 SS, many ID's, U.S. oldies, L.A. voc-als (Miller 6/1, Krueger 5/29); 0035-0229 SS, Mexican mx, TCs (Alexander 5/20, Bishop 5/31, Earhart 6/5, Jones 5/20).
- 15166.8 BRAZIL Ceará R. Clube; 2330 PP, tlk, mx, ads, jingle (Zilmer 6/1).
- 15170NF NORWAY RN; 1200 EE, "Norway This Week", poor (Zilmer 5/22).
- 15170 SOCIETY IS. R. Tahiti; 0117-0400 FF/TT, island mx (6 reporters).
- 15175 USSR RM; *2300 CC, "RSP&P" IS, v.weak w.polar flutter (Mackay 5/13); *0400 CC, "RSP&P", poor (Wolfish 5/21).
- 15185 SRI LANKA VOA-Columbo; *0100 EE, weak, RCI splatter (Mackay 5/26).
- 15190 AUSTRALIA RA; 0345 EE, pop mx, unlisted time, //15320 (Zilmer nd).
- 15190 CONGO RTVC; 2100-2149 EE, Africa tlk, mx & nx (C.Hoffman-PA 5/23, Alexander 5/14, Godfrey 5/28, Birkhauser 5/17); 0043 FF, mid-Afr.

- chants, indigenous mx, some amnts (Cosier-AUST 5/4).
- 15195 JAPAN NHK; 1020 EE, pgm abt Japan wx; 1030 to JJ (Underdown 6/3).
- 15200 FRANCE RFI; 1740-1756 EE (not 1640? -ed), lbx (Birkhaeuser 5/22).
- 15205 AUSTRALIA RA-Shepparton; 0403 EE to Afr., nx (Poppin 5/24).
- 15210 BELGIUM BRT; 1200 Dutch/FF, Afr. Svc., poor (Zilmer 5/22).
- 15210 USSR (Asiatic RSFSR) RM; 0206-0250 EE, U.S. cmnt (McLaughlin 5/22).
- 15215 UK BBC W.S.; 1415, "Top 20", poor (Zilmer 5/29).
- 15220 HUNGARY RB; 2330-0005 Hungarian/SS (Mackay 5/13, Zilmer 5/27).
- 15225NF HUNGARY R. Budapest; *0128-0420 EE/HH, local level 0200+ (5 reporters); shift from 15220 takes place at 0128 (Mackay 5/21).
- 15230 AUSTRALIA ABC-Melbourne; 0525 EE, mx (Grenier 6/7).
- 15230 ISRAEL Israel R.; 0344-0345 IS, RR (Wolfish 5/21, Frajer 5/25).
- 15240 AUSTRALIA RA-Lyndhurst; 0500+ EE, not //15320 etc. (Cohen 5/19).
- 15240 ITALY RAI; 0055-0105 II to 0059 IS & SS at 0101 (Mackay 6/7).
- 15245 BRAZIL RNB; 1958-2158 PP/GG/EE, usual pgm w/annt of cessation of xms after June 12 (Overcamp 6/3, Streveler 5/31, George 5/31, Sheehan 5/10, Valko 6/1, Underdown 6/7, Alexander 5/14, Hauser 6/4, Earhart 5/16). Scheduled return to air is July, 1978 -ed.
- 15245 GERMANY W DW; 0657 IS into Bengali, fair w/fade (Hywarren 5/23).
- 15245.- ZAIRE VOZ; this is the one off-freq, rather than RNB, measured after RNB closed, and this could be heard wavering (Hauser 5/17).
- 135 NETH. ANTILLES TWR; 1300 EE, "Back to God Hour" (Swanson 5/8).
- 15260 CANADA RCI; 1921 EE, new "DX Digest", Sunday (Hauser 6/5).
- 15260 FINLAND RF; 1300 EE, nx, wx, cmnt, to Far East (Zilmer 5/30).
- 15265 FINLAND RF; *1700 IS, Finnish, Moscow IS QRM (Walcutt 6/18).
- 15270 AUSTRIA ORF; *2300-2355* GG, tlk, mx, f (Zilmer 5/21); 2341-2355 GG, song "Du herrliche Frau", g (Schwartz 5/22); 2355 GG, hard to get when wanted, now wiping out R. Japan to 2355 (Hauser 5/15).
- 15270 JAPAN NHK; 2345-0045 EE to ECNA, poor (Ohtake 6/9).
- 15290 PHILIPPINES VOA-Poro/Tinang; 2245-2315 EE, mx, nx (Alexander 5/14).
- 15290 UNID; -2327* + *2330 AA chant, instr.-Syria? (Mackay 5/23).
- 15300 CUBA RHC; 2100 EE, "Cuban Profile", severe QRM (Brown 5/21).
- 15310 BULGARIA R. Sophia; 2230-2300 SS, nx & mx (Sherman 5/23).
- 15310 JAPAN NHK; 0402 EE, Gen. Svc., weak, //15105 equal level (Mackay 5/30); 0458-0510 EE, IS, ID's in EE/JJ, poor (Schulman 6/6).
- 15320 AUSTRALIA RA; 0100-0500 EE, nx, pops, features (10 reporters).
- 15325 PAKISTAN RP; 0145-0150 unid. lang., lcl mx, EE ID (Sherman 5/23); 0200-0245 Indonesian, IS, EE ID, S.As. mx, strong (Mackay 6/7); 0300+ Swahili, weal lvl., //17830 (Mackay 6/10).
- 15325 UGANDA; 1758-1830 EE, nx & mx, very clear signal (Schulman 5/19).
- 15328.- COLOMBIA R. Nacional; RCSSB, lower; *1140 SS, IS, ID, tlk, mx, f (Zilmer 5/31); 0000-0210 SS, class mx w/gongs & ID's (McGonnell nd) 0247 SS, suddenly jumped from 15335 area down to here; somebody probably bumped their tuner and they haven't noticed (Hauser 5/18).
- 15330 ITALY RAI; 0415 Amharic, underneath AFRTS, IS, nx (Luce 6/4).
- 15330 USA AFRTS via VOA-Bethany; 2300-2325 EE, ABC's Howard K. Smith (Goldstein-MASS 6/6). AFRTS via VOA-Dixon; 0314 EE (Verneti 5/22)
- 15335 AUSTRIA ORF; 1830 EE, "Report from Austria", //17770 (Zilmer 6/1); 1845-1855 EE, listeners' mail (Sheehan 6/5).
- 15335 EGYPT R. Cairo; 2044-2124 FF, Afr., FF/AA lessons (Hermann 5/23).
- 15349.3 LUXEMBOURG RTL; 2320-2345 FF, U.S. pop mx (Alexander 5/31); 2349 FF, pop mx, nx, then night pgm w/mx (Pineault 6/8); 0001 FF, international nx (Schwartz 5/23); 0030-0407 FF, pops, exc (Mackay 6/9).
- 15365 ROMANIA R. Bucharest; 1730-1755* EE, nx, features "Romania-Africa" Afr. Svc., consistent reception here (Streveler-HI 5/6).
- 15385 MEXICO RM; 2335-0055 SS, Mexican mx (Alexander 6/2, Bolitho 5/16).
- 15385 USSR RSP'n'P; 0400 CC, fair, //15175 (Wolfish 5/21).
- 15405 USSR R. Vilnius; 2300-2330 EE, nx, cmnt, nx of Lithuania, fair/good (Zilmer 5/26, Rojewski 5/30).
- 15410 AUSTRALIA RA; 0240 EE, very weak, //15320 (Mackay 6/7).
- 15410 RWANDA DW-Kigali; 0145-0150* GG, mx, tlk, ID, NA, then FF ID for relay site, this is Kigali, not Antigua (Bolitho 5/24). Thanks -ed.
- 15415 HUNGARY R. Budapest; 2230 Hungarian, //11910 (Zilmer 5/28).
- 15420 CYPRUS BBC W.S.-Lim.; *0356-0400 IS (Wolfish 5/21, Mackay 6/9).
- 15420 USSR RM; 0000 EE, nx, cmtry (Luce 6/6).
- 15425 AUSTRALIA ABC-Perth; 0400 EE, nx, f (Wolfish 5/21); 0418+ EE, lcl nx (Godfrey 5/19); 0446-0621 EE, Supreme Court decision on tribal murder, "It's pouring outside", exc (Poppin 5/23); 0910-0915 EE, nx, TC, pop mx, very good (Osterman 6/5).

- 5425 SRI LANKA SLBC; 0100-0135 EE, All Asia Svc. (6 reporters).
 5490 USSR RM; 2005 EE to Afr., nx by M&W, strong (Mackay 5/30).
 5505 USSR RM; 0200 RR, Mayak IS, tlk by W, weak (Mackay 5/31).
 5545 SPAIN RNE; 1837 SS, tlk, faint (Schulman 5/19).
 7630 ISRAEL IBA; 1245 Heb, classical mx (Home Svc.) (Zilmer 5/28).
 7650 CHINA RP; 0145-0200 SS, orch mx, tlks, Int (Thompson 6/8).
 7650 PAKISTAN RP; 0200 unid lang., ID by W, into tlk - with a little help from Hadley who pointed out the 16m band (Overcamp 6/4).
 7665 PAKISTAN RP; 0200-0210 Indonesian, tlk (Sherman 5/30); 0210 Indo., nx by M, pop mx, W DJ, weak & fading, //15325 (Mackay 5/21); 0220-0237 Indo., mx & tx, good (Wolfish 5/21); 1610-1630* unid lang., local singing and music, //15520 (C.Sherman 5/21).
 7675 CHINA RP; 0249 EE, CC mx, fair (Wolfish 5/21).
 7680 CHINA RP; 0140 EE, CC lesson, g (Ohtake 6/6); 0200+ EE, IS, ID's pgm anmts by W, nx, 50% readability, //15060 (Mackay 5/21).
 7700 HOLLAND RN-Lopik; *1830 EE, "Happy Station" pgm, fair (Zilmer 5/29).
 7705 UK BBC W.S.; 1305-1330, nx, "Letter from America" (Fraser 5/8).
 7710 HUNGARY R. Budapest; 0058-0100 SS, IS, theme, ID, p (Mackay 5/27).
 7720 USSR RM; 1515-1530 EE to Afr., 3rd world develop. (Wisblood 6/9).
 7725 JAPAN NHK; 0100-0200 JJ/EE to WCNA, poor (Ohtake 6/9).
 7730 IRAN NIRT; 0530 unid. lang., fanfare then nx, fair (Hywarren 5/29).
 7745 EGYPT R. Cairo; 0554-0605 AA, W, AA mx w/chorus & flutes, chanting, good (Wisblood 6/9); 1720-1730+ AA, Mideast mx (Wisblood 5/27).
 7755 ECUADOR HCJB; 1702-1720 EE, DXPL w/Al Hatch, fair (Earhart 5/28).
 7765 RWANDA DW-Kigali; 1240-1247 EE/Hausa, s/on anmt (Earhart 5/29).
 7765 USA AFRTS via VOA-Dixon; 0030-0200, ABC&CBS news (Goldstein 5/6).
 7770 AUSTRIA ORF; 1830 EE, nx & views, poor (Zilmer 6/1).
 7780 HUNGARY R. Budapest; 2100-2130 HH, nx & mx (C. Sherman 5/13).
 7780 SOUTH AFRICA R. RSA; 0557-0600+ EE to W.Afr, fair (Wisblood 6/9).
 7785 EGYPT R. Cairo; 1725-1730 Shona?, 1730 TC, good (Wisblood 5/27).
 7785 USSR RM; 0500-0510 RR, First Pgm, Khabarovsk? (Wisblood 6/10).
 7790 UK BBC W.S.; *0557-0600+ IS, pgm, f (Wisblood 5/9); 1735, BBC W.S. not listed here on any of their sked past 1330, but on nevertheless; sometimes best of any freq, maybe to N.Am. (Hauser 5/28).
 7795 AUSTRALIA RA; 0135-0300 EE, sports report, pop mx, nx, v.good signal (Thompson 6/5, Luce 5/18, Wolfish 5/21).
 7795 NORWAY RN; 2100-2230 EE/NN, mx, "NTW" (Sherman 5/13, Zilmer 5/29).
 7800 TAIWAN VOFC; 2315-2348 SS, M ancw w/SS & CC vocals, fair (Krueger 5/30); 0543-0550 CC, W, good w/QRM from FF stn (Wisblood 6/9).
 7810 PHILIPPINES FEBC; 2350-2359 EE, rel. pgm, //15235 (Osterman 5/31).
 7815 ISRAEL IR; *0345 unid. lang., W, weak, //17680t (Osterman 6/7).
 7820 CANADA RCI; 2250 EE, tlk, very strong (Ohtake 6/9).
 7825 JAPAN NHK; 0100-0205 JJ/EE, "Hello America" (6 reporters).
 7825 USSR RM; 1512-1530 EE, Afr. Avc., cmnt on Brezhnev speech abt new constitution; 1530+ unid lang., no UHN freq// (Overcamp 6/5).
 7830 GREECE VOG 1220-1230 EE, nx, ID, //15345, good (Richardson 5/10).
 7830 PAKISTAN RP; 0230-0540 EE/Swahili/??, nx (6 reporters).
 7840 NORWAY RN; 1400 EE, "Norway This Week" (Zilmer 5/29).
 7840 CZECHOSLOVAKIA R. Prague; 1445+ EE, nx & cmntry (Godfrey 5/21).
 7870 LIBERIA VOA-Monrovia; 1800 nx in basic EE (Cohen 5/30).
 7875 GERMANY W DW; 1200 EE, nx & cultural features, much more interesting than the N.Am. broadcast at night (Frajer 6/6).
 7890 TAIWAN VOFC; 0105-0330 EE, 0600 CC, features (5 reporters).
 7920 EGYPT R. Cairo; 1430-1445 EE to S.As., Egyptian mx (Altman 5/22).
 8075 PORTUGAL RP; 0120 PP, TA harmonics still rare, especially this time of night, but RP made it, 3 x 6025 w/sports (Hauser 5/16).
 8226.- HONDURAS LV del Junco; 2358* SS, must be a "daytimer", 3 x 6075.47, loud, distorted, measured just in time for closing (Hauser 6/1).
 9430 NETH. ANTILLES RN; 0000 SS, harmonics from RN-Bonaire are rare, but this was in at SIO 253 level, 2 x 9715 (Hauser 5/16).
 1460 BELGIUM BRT; 1520 FF, tlk by M, very poor (Godfrey 5/23).
 1465 EGYPT R. Cairo; 1435-1445 AA, tlk, Arabic mx, fair (Earhart 5/30).
 1500 ISRAEL Israel R.; *1400 Yid, IS, ID, nx, //21625 (Mackay 6/5).
 1540 GERMANY E RBI; *1400 EE to S.As., nx, fair (Mackay 6/5).
 8730 ANTIGUA/MONTS DW; 2300 SS, DW now a regular here, 2 x 11865, but never quite as strong as BBC-24780 (Hauser 5/16).
 1268.- COLOMBIA R. Super de Bogota; 2355 SS, clear ID on the harm., "orgullosamente colombiana" at 0000; also audible on fund. 6067.11 and matching in to the Hz (Hauser-TN 5/22 & 5/21).

SO, 73 for another month! *Paul*



FRENDX CREDITS

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Rural Route, Hollandale, MN. 56045

Thank you to 23 reporters this month. That's looking somewhat better, but what about you other 1400 members who didn't report? Surely you turn on your receiver at least once a month! Tell us what you did hear, at least. Make the editors decide what is the best to print. You'll be improving the quality of FRENDX at least, and the odds are good that yours will be printed

Brian ALEXANDER, Mechanicsburg, PA (DX-160)...Richard ALTMAN, Knox, PA (DX160) ??? BIRKHAUSER, ???,???.Gerry BISHOP, Christiana, PA (DX-160)(Gerry is living in exile from Montana)...Michael BOLITHO, Toronto, Ont, Canada(AGS-38) Alan BROOKS, Oakdale, CT (FRG7)...W.Noel BROWN, Ann Arbor, MI (SB-313)..... Gerald CLARK, Lafayette, IN...Jon COHEN, Willingboro, NJ (FRG7)...Geoff COSIER, Burwood, Vic, Australia (Trio 9R5DS)...Hadley CRESS, Harrisonburg,VA HRO-500)...Kenneth EARHART, Allentown, PA (FRG7)...Marlin FIELD, Hillsdale, MI (SPR4)...Barry FRAJER, New York, NY (DX-160)...Robert FRASER, Cohasset,MA (XCR-30)...Charles GEORGE, Dallas, TX (SSR1)...Mark GODFREY, Broomfield,CO (QR-666)...Jeff GOLDMAN, Bridgeport, CT (FRG7)...Louis GOLDSTEIN, Dorchester, MA (FRG7)...Michael GOLDSTEIN, Portchester, NY (FRG7)...Pete GRENIER, Azusa, CA (FRG7)...Harry HARTSELL, Lompoc, CA (DX-160)...Editor Glenn HAUSER, Knoxville, TN (HQ160/FRG7)...Frank HERMANN, Kitchener, Ont, Canada (DX-160)..... Charles HOFFMAN, Manheim, PA (FRG7)...Aaron HYWARREN, Winnipeg, Man, Canada (ICF-5900W)(I remembered, Aaron!)...Peter JAKL, Addison, IL (RF-2200)...Dale JOHNSON, Winnipeg, Man, Canada (SB-310)...Jack JONES, Jackson, MS (DX-160)... Terry KRUBGER, Casselberry, FL (QR-666)...Creede (The Montana Madman)LAMBEARD Billings, MT (FRG7)...Richard LEWIS, Stillwater, OK (FRG7)...Editor Jerry LINEBACK, St. Joseph, IL (SPR4)...Daniel LUCE, Austin, TX (SW-717)...Pete McLAUGHLIN, Dover, DE (SPR4)...Don MACKAY, Newark, DE (SPR4)...Publisher Alan MAYER, Park Forest, IL (SPR4)...A.A. MILLER, Jr, Youngstown, OH(HRO500) Cliff MYERS, Phoenix, AZ (DX-160)(welcome, Cliff!)...Toshimichi OHYAKE, Norristown, PA (FR-101S)...John ONKEN, Metamora, IL...Sydney OSTERMAN, Toronto Ont, Canada (FRG7)...Tom OVERCAMP, Seneca, SC (SP-600)...Bob PADULA, Surrey Hills, Vic, Australia (CR100)...John PAVLICSEK, South Milwaukee, WI(R-300).. W.J. PEARSON, Avonmore, PA (DX-160)...Neal PERDUE, Falkville, AL (HA-600A).. (great to have you back, Neal!!!)...Roger PETERSON, New Canaan, CT (SSR1)... Andre PINEAULT, Ancienne-Lorette, PQ, Canada (FRG7)...Editor Greg RAVENHORST Hollandale, MN (R4C)...Mike RICHARDSON, Glens Falls, NY (Patrolman 10)...Jim ROBERTS, Winnipeg, Man, Canada (Eddystone 940)...Don ROJEWSKI, Tacoma, WA (SPR4)...Mike SACKHEIM, Huntsville, AR (R4C)...Garry SAPOZNIKOW, Winnipeg, Man, Canada (FRG7)...Neil SCHULMAN, Brooklyn, NY (FRG7)...Richard SCHWARTZ, Dover, DE (SX190)...Chris SHEEHAN, Toronto, Ont, Canada (9R-59D)...Clayton SHERMAN, Hoosick Falls, NY (SPR4)...Dennis STREVELER, Kaneohe,HI (hi, yourself, Dennis!)...Richard SWANSON, Wellman, IA (DX-160)...Leon TANNENWALD, New York, NY (SPR4)...Glenn THOMPSON, Deming, NM (HQ-145A)...BOB UNDERDOWN, Siloam Springs, AR (SW-717)...Dave VALKO, Dunlo, PA (DX-160)...R.M. VERNETTI Kwajalein, Pacific Ocean (we are getting exotic, folks!)...Mike WILLIS, Hampton, Vic, Australia (Trio 9R59DE)...James WILSON, Jr, Lincoln, NE(R-388) Steve WISEBLOOD, Santa Maria, CA (M660A)...Niel WOLFISH, Toronto, Ont,Canada (GR-78)...Frank WOLTMAN, Cambridge, WI (DX-160)...Charles WOOTTEN, USN, Sardinia, Italy (R4B)...Robert ZILMER, Milwaukee, WI (SPR4)..... HELPING HAND: For Sale: Yaesu FR-101S, covers 160-10 mb, all ham & most SW BC bands. 25/100 kHz calib. and bandwidth select features. 1 year old, mint condition. \$345 or best offer, OR my FR-101S + \$50 to trade for a SPR4. Write T. Ohtake, 223 Centre Ave., Norristown, PA 19401 HELPING HAND: Wanted: Information, manual or schematic for a National NC-20Q, an 11 tube pre-war (WWII) radio. Will pay for copies. Tom Overcamp, Route 2 - Box 98, Seneca, SC 29678 HELPING HAND: For Sale: KS Preselector, variable gain, covers 2-30 Mhz in 2 bands, \$39 postpaid. Also, Autek QF-1 interference filter, variable freq and bandwidth, \$39 postpaid. Nick Lombardi, 2203 Plaster Rd., N.E. Apt. N-1, Atlanta, GA 30345 --- Phone # (404) 633-3822 DEADLINE for reports & helping hand items to me is the 12th of the month, BUT there may be an earlier deadline for reports mailed in August only. Definite notice next month, but play it safe, and send reports by Aug. 5th.'73's. *Greg*

NEW AWARDS ANNOUNCED

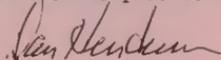
In order to provide the membership of NASWA with a dynamic awards program, and in an effort to make the awards program timely and useful to the entire membership, the Awards Chairman announces the following New Awards to the NASWA membership:

- 1. Tropical Band DXer For logging and verifying broadcasting stations in 50 Radio Countries located between the Tropics of Cancer and Capricorn operating on shortwave below 6000 kHz.
- 2. Senior Tropical Band DXer For logging and verifying broadcasting stations in 75 Radio Countries located between the Tropics of Cancer and Capricorn operating on shortwave below 6000 kHz.
- 3. Senior Ecclesiastic DXer For logging and verifying 25 religious oriented shortwave broadcasting stations, with at least one station located in each of the 5 major continents of Europe, Asia, North America, South America, and Africa. The same requirement as the Ecclesiastic DXer award, except for the increase in number and the requirement for one from each of the 5 major continents.
- 4. Senior Papua New Guinea DXer For logging and verifying 10 stations in at least 3 of the Radio Countries that are controlled by Papua New Guinea. There are 6 of these, including Papua, New Guinea, Australian Solomon Islands, New Ireland, Admiralty Islands, and New Britain (Australian Solomon Islands Bougainville).
- 5. Master Papua New Guinea DXer For logging and verifying 15 stations in at least 5 of the Radio Countries that are controlled by Papua New Guinea.

These new awards should prove challenging for the most advanced DXers, and the new Tropical Band DXer awards should also be challenging for the DXer who wants to "enter the world" of Tropical Band DXing for the first time. It is the Awards chairman's experience this year that the Papua New Guinea stations can be heard nationwide in the winter time for both major bands (90 and 120 meters) and since the stations are known as good verifiers, the award should be a welcome addition to the shack of even the most advanced DXer.

Comments of the awards are welcomed. For the tropical band awards, if any part of the country (as known in NASWA country lists) is between the Tropic of Cancer and Capricorn, the country (and therefore any broadcast station) is eligible.

Upcoming for the awards program---a fresh new look at the North American Expert award. There has been much comment about the 22 Country limit as the award currently stands--the Awards Chairman is considering reducing this number to 18 or 19, for currently the award cannot be obtained. Any comments? Also, a new Bolivian and Colombian award is being considered, similar to the Brazilian and Venezuelan award. Any comments of this? Also, a possible Australian award could be provided. We want to keep the program alive and functioning with the aim toward "developing more and better DXers" as part of the NASWA goal to improve SWBC DXing throughout the world.



Dan Henderson, Awards Chairman

NASWA

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Unity and Friendship

NASWA'S dues are \$13.00 per year for members in North America, and for delivery via First Class Mail. Overseas dues are the same, but airmail is available for an additional cost. The following is the additional fee for overseas airmail: Central America, the Caribbean, South America, and Europe \$7.00. Asia, Africa and the Pacific \$9.00.

NASWA'S DX HOTLINE is compiled twice a month, giving the DXer the very latest DX news while it is hot. The DX HOTLINE is edited by veteran DXer Tom Allaman. All reports for the DX HOTLINE go directly to Tom at 615 W. 43RD Terrace, Kansas City, MO 64111. USA. One issue of DX HOTLINE is incorporated in each issue of FRENEX, the other issue, the Mid-Month DX HOTLINE is available in a separate mailing to NASWA members for \$3.00 per year in North America. It is airmailed overseas for \$5.00 per year. These fees are, of course, in addition to the annual membership dues.

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

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

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

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