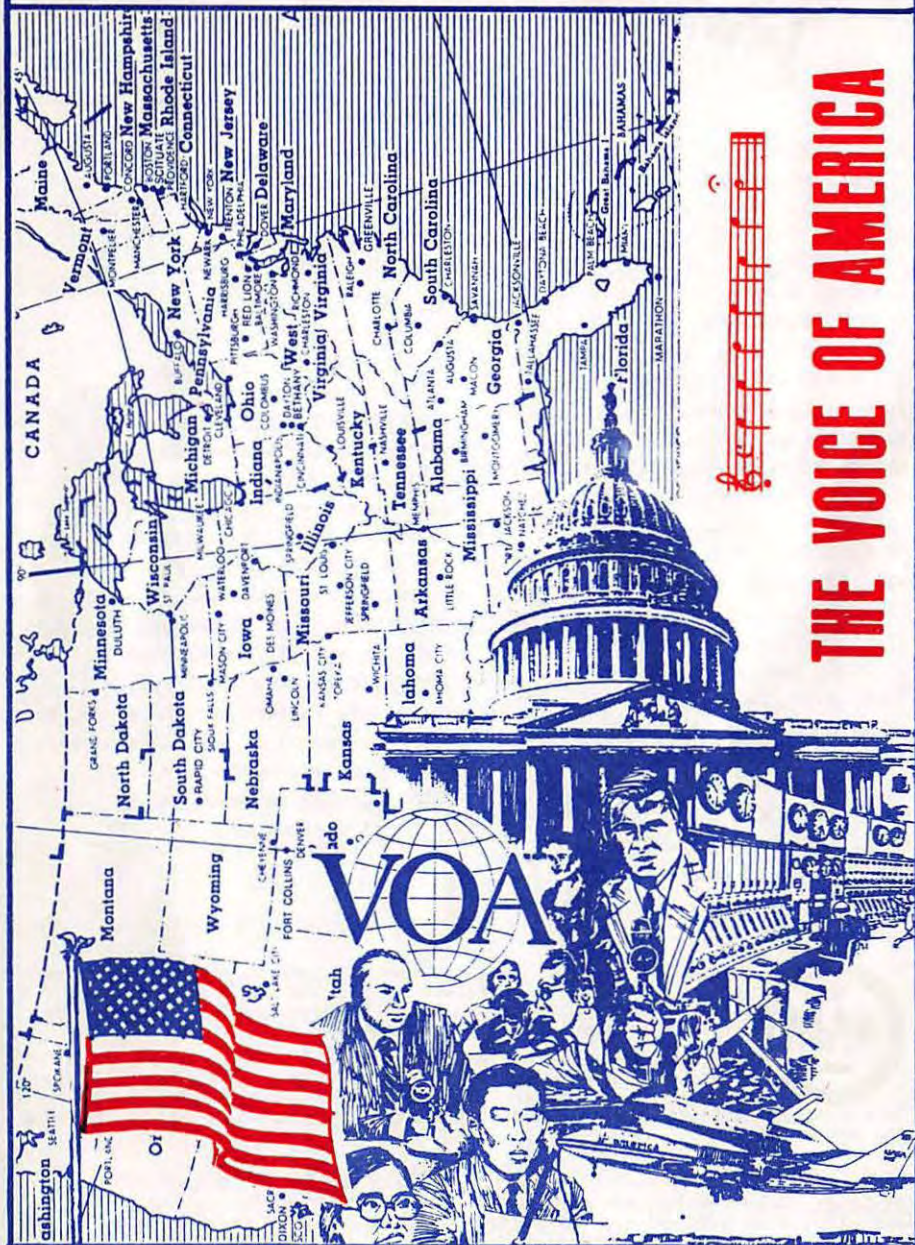


FRENDX





We are pleased to add the following 49 new NASWA members who have joined in time to receive the June FRENCH, and we hope they find their new association to be helpful.

- | | |
|---------------------------------------|--|
| BATT, Richard C., Buffalo, NY | KRISOV, Galen E., Santa Fe, NM |
| BLOOM, Gail K., Flushing, NY | LEARY, Al, Akron, OH |
| BOIRE, Rick, Omaha, NE | LEVINE, Murray S., Los Angeles, CA |
| BOLLAND, Charles, Lakeworth, FL | LONG, David, Franklin, TN ** |
| CABELL, James A., Thousand Oaks, CA | LYNNEBERG, Dene, Titahi Bay,
New Zealand |
| CARLSON, Marvyn E., Calgary, Alta. | McELROY, Donald P., Essex, MA |
| DENTON, Michael G., Northglenn, CO | MARION, Linda, Columbus, OH |
| DILLON, Brendan, Cedar Rapids, IA | MOON, Terry A., Vista, CA ** |
| EDELMAN, Barry, Plano, TX | MORRIS, Donald E., Ft. Wayne, IN |
| FAY, Beth, St. Louis, MO | NIEDERFRINGER, Art, Greenfield, MA |
| FAUNT, Doug, Sunnyvale, CA | NIELSEN, Leif, Rahway, NJ |
| GRAZE, Harry, Rancho Palos Verdes, CA | QUIN, Jim, Vancouver, B.C. |
| GRIFFITH, Low, North Lawrence, OH | REIMER, Jerry, Houston, TX |
| GROSVENOR, Norman, Hollywood, CA | ROEDER, Bob, Minneapolis, MN |
| GROVER, Terry Jon, Vancouver, WA | SHAVER, Jim, Sundance, WY |
| HIDALGO, Jairo, Houston, TX | SILVA, Scott, Santa Monica, CA |
| HIGGINS, John, Correy, PA | SKINNER, Robert, Englewood, OH |
| HIRST, Delbert, Snyder, TX ** | STUDIER, Paul B., Champaign, IL |
| HODGSON, Harold, Buxton, NC | TAYLOR, Brent S.D., Chatham, N.B. |
| HOOD, Bill, Lac du Bonnet, Man. ** | VILLAFANE, Walter, Daytona Beach, FL |
| HUBENSCHMIDT, J., Littleton, CO | VILLARD, Oswald G., Jr., Woodside, CA |
| HUPRICH, Lowell L., Berlin, OH | VOGT, Charles, Redford Twp., OH |
| JAY, Eugene F., Winter Park, FL | WICKS, Craig, Kentwood, MI ** |
| KEMP, James K., Bay City, MI ** | |
| KHAN, Azmat U., Toledo, OH | ** Welcome back to NASWA
after a short absence! |
| KNEPPER, Dan, Burbank, CA ** | |
| KRAMER, William P., Hatchville, MA | |



NASWA RUBBER STAMP: Add a touch of class to your letters, reception reports, or wherever! Still available from HQ, and very reasonably priced.....\$3.00 each postpaid and sent by first place anywhere in North America.

NASWA DECAL: Same design as the rubber stamp, except 3" in diameter, and red, white and blue in color. Self adhering for bumpers, or any other interior or exterior surface. \$1.25 for one decal, and \$1.00 for each additional, sent by first class mail anywhere in North America.

FOR SALE: Like new Panasonic RF-4800 receiver. Original price was \$385.00. Best offer over \$200.00 plus shipping. Operating manual and original carton included. Contact M.R. Leonhardt, c/o NASWA HQ, P.O. Box 13, Liberty, IN 47353

NASWA

HEADQUARTERS REPORT

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47353 U.S.A.
JULY, 1980

1980 NASWA MEMBERSHIP DIRECTORY: Quite a few have responded to our announcement in last months FRENEX regarding the fact that a new membership directory which lists the names and addresses of most NASWA members as of June 1, 1980 will soon be available. The list is now at the printers and the finished product is expected soon. Those having ordered will receive their copy soon thereafter.

As our first announcement stated, this is a limited printing with about the same number of directories to be printed as were ordered last year, so this might be the final announcement as to its availability in the future. Those interested in this sort of information are urged to order now rather than to wait for further announcements....when the original printing is sold out, that will be all for this edition.

To help cover printing and mailing costs, there is a charge of \$1.00 post-paid for North American members, and 8 IRC's overseas. Canadian members can send Canadian currency. Distribution is to NASWA members only, and only one copy per member.

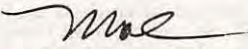
OTHER MATTERS OF INTEREST: Those who have been around NASWA or in our hobby for a while know that there are several limited circulation publications that are useful. So, for those who may be fairly new to the hobby, we would like to call their attention to some of the other materials they might find useful in addition to NASWA's FRENEX and Update.

ANARC NEWSLETTER: This is the official publication of the Association of North American Radio Clubs. ANARC is not a club in itself, but is the means whereby other radio clubs can promote the exchange of ideas and information within all major radio clubs in North America. The monthly ANARC Newsletter is non-technical and is an excellent source of information on many matters. Their "DX Calendar" list most of the upcoming DX meetings, conventions and the like. Also, their recently added "Market Place Report" feature comments on new equipment and where one might obtain other items of interest to the radio hobbyist. The newsletter is available for \$3.50 per year in North America, or \$8.00 overseas from ANARC, 557 North Madison Ave., Pasadena, CA 91101. Also, a directory of all ANARC clubs is available for a self addressed and stamped envelope in the U.S., or one IRC in Canada or Mexico, or 3 IRC's overseas.

USSR HIGH FREQUENCY BROADCAST NEWSLETTER: Edited and published by Roger Legge, UHN is published approximately monthly and specializes in late news on Soviet broadcasting with updates on schedules, transmitter sites, QSL information and the like, all relating to the Soviet areas. A most useful reference for those interested in this area. A subscription is \$3.00 for ten issues sent to Roger Legge, P.O. Box 232, McLean, VA 22110. Roger is also responsible for the English Language broadcast lists which have been appearing quarterly in FRENEX.

REVIEW OF INTERNATIONAL BROADCASTING (RIB): Although edited and published by Glenn Hauser, FRENEX's Listeners' Notebook editor, RIB is not a NASWA sponsored publication, but is an excellent supplement to FRENEX. Non-technical for the most part, RIB concentrates mostly on SW program content and listener reaction and comment. There are no log reports or other duplicated features usually found in club bulletins. For those who are interested in program content, this is especially recommended. Subscriptions are available from Glenn Hauser, University Radio WUOT, Knoxville, TN 37916 for \$12.00 U.S. for 12 issues by first class mail in North America. Elsewhere \$13.00, or \$16.50 overseas airmail. Samples in North America are \$1.00.

As space is available in future months, we will mention additional publications which we hope will add to your DXing and listening enjoyment.



M. R. Leonhardt
Executive Director - NASWA

shortwave CENTER



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

JULY 1980

This is your column; your chance to be an author. We need good articles of interest to those who listen to shortwave radio with emphasis on shortwave broadcasting. Share your knowledge and interests with others in the hobby. Send your articles to Shortwave Center.

FRG-7

IMPROVEMENTS TO FRG-7 AUDIO

by Brian Aase, 1004 Loveland, Mukilteo, WA 98275

When I first received my own FRG-7, two audible faults made themselves immediately obvious: First, the overall sound quality was extremely muffled, thus making even the clearest programs very hard to understand. Second, in spite of the muffled quality, constant 5000 Hz heterodynes were nearly always present within the shortwave bands, which made for very irritating listening. Perhaps the muffled sound was Yeasu's vain attempt to suppress the heterodyne problem.

A quick look at the receiver schematic indicated that an audio notch filter ought to be quite easy to add. So, I constructed the circuit shown in sketch 1 using parts from my junk box, and mounted the small assembly inside the chassis. The results were completely satisfactory, I haven't heard a 5000 Hz whistle since. Some notes about this circuit are probably in order.

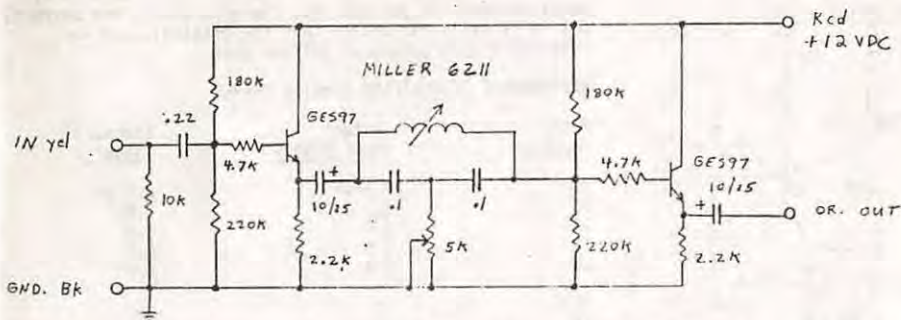
It consists of a simple bridged-tee L-C filter chosen for its ease of tuning. The filter is isolated, input and output, by emitter followers. This allows insertion into the receiver circuit after the filter has been accurately tuned on the test bench. The only unusual parts used are the coil, which is variable from about 16 to 42 mH, and the 5 kohm trimpot which should be a multi-turn unit for ease of tuning. Any common NPN silicon audio transistor such as the BC-109 can be used for the emitter followers. Series 4.7 kohm base resistors are used to suppress any tendency of self-oscillation which can sometimes occur when an emitter follower is called upon to drive an inductive load. The electrolytic capacitors I used were small tantalum units to save space. Tuning is simple: With power to the electronics, apply a precise 5000 Hz sinewave signal of about 1 volt P-P amplitude to the input. Monitor the output and adjust both the coil and trimpot for minimum signal. My filter had a notch depth of over 65 dB. Power requirements are about 12 VDC at 3 or 4 milliamps. This is easily tapped from the receiver at TP407 and is low enough not to make any impact on battery life. Volume control VR1, makes a convenient connection point to insert the filter into the audio path. Remove the coax center conductor from the top (clockwise or "hot") end of VR1, and connect this wire to the filter input. Then connect the filter's output back to the top pin of VR1. Power and ground connections complete the installation.

Now attention may be turned to solving the "muffle" problem mentioned above. A close inspection of the passive R-C network used for the tone control switch will reveal that, even in the Normal position, the audio response begins to diminish above 1000 Hz. This is even worse than the response of an ordinary telephone! With the 5000 Hz whistles now suppressed by the notch filter, I could now make the audio response much flatter without incurring undesirable side effects. To do this, simply replace C-447 on the IF-AF board (originally a 0.033 uF Mylar capacitor) with a 0.0047 uF capacitor. This flattens the response up to about 10,000 Hz, with the exception of the 5000 Hz notch introduced by the filter. You will now notice a dramatic improvement of intelligibility on all stations received. Excess noise can still be reduced, if desired, by using the other positions of the tone switch. No features or functions have been disabled by these modifications.

The only significant limitation on audio quality which still remains is the inexpensive speaker, which is a 3" x 5" oval unit. This seems to be a rather uncommon size, and I have not found any improved models that can fit right in. For those living in the U.S., McGee Radio (1901 McGee St., Kansas City, MO) sells an excellent quality 3" round speaker which can be mounted by making a new masonite spacer board. They call this their "mini-stereo"

model. At this point the intelligibility of my receiver is, I think, on a par with almost any top-line radio you can name.

FIVE KILOHERTZ NOTCH FILTER



AN IMPROVEMENT TO THE FRG-7 S-METER

One small annoyance with the FRG-7 is the nearly total uselessness of the built-in S-meter. Although calibrated to read a certain maximum signal strength at full scale, the characteristics of the AGC amplifier circuit which drives the meter are such that a large voltage change (and hence, a large meter deflection) takes place very early on, then practically no further change occurs with further signal increases. Therefore, it is quite common to note readings of S9 on residual background noise, while just about every readable station produces a uniform indication of about +20 or so, regardless of their relative strength. In the case of the FRG-7, an S-9 reading is produced with only 1.9 microvolts of RF input signal, even though full scale is set to read 10,000 microvolts.

In setting out to rectify this problem, my first task was to decide what the meter should read for given signal levels. A handy table is given on page 192 of the "World DX Guide" (1st edition). While the values in the table do not quite always adhere to the rule of 6 dB change per S-unit, they are still a useful and convenient standard. Now, designing a linearizing circuit based on these values poses no great problems by itself, the situation is complicated by one further inconvenience: The calibration markings of the FRG-7's meter in the region above S-9 are themselves very non-linear. This then dictates that two separate correction factors be designed into the same circuit. I soon realized that for the sake of simplicity, some compromises would have to be made.

The sketch on the next page shows a simple and compact correction circuit which enables the meter to provide useful and logical indications to the operator. Its absolute accuracy is not yet optimum, and it does drift a bit with temperature (though not much). But it is a great improvement over the original situation, and can be built for a very minimal cost.

Common parts are used, with the IC being an LM324 quad-section op amp. (One caution: Do not try to use a 741 style op amp, as only the 324 can allow both its input and output to swing completely to ground.) Diodes are general-purpose small-signal silicon types, such as 1N914, 1N4148, or 1N4447. Resistors are 5% tolerance. The 0.1 uF capacitor must be mounted very close to the IC to prevent oscillation.

My unit was built on a small printed circuit board and mounted inside the receiver chassis. 12 volt DC power can be tapped from any convenient spot such as TP407. Take the wire which used to connect to the S-meter, and connect it instead to the correction circuit input. Then wire the output of the circuit up to the meter. A ground connection must also be provided to the circuit. Calibration must be performed using an RF generator whose output is accurately metered. An accurate digital voltmeter is also needed. Preset VR-401 on the IF-AF board to maximum resistance, and set the two trim pots on the correction circuit to about midpoint. Now set the signal generator to 7.5 MHz, and set its output amplitude to exactly 50 microvolts. Carefully tune in the signal, and set the 5K trimpot for exactly 0.226 volts DC at the indicated test point. Now set the 1K trimpot for a reading of S-9 on the meter. This completes calibration.

If the needed equipment is not available, useful performance might still be achieved by the following method: Replace the two trimpots in the correction circuit with 620 ohm

DX-302

CHANGES INCORPORATED IN THE DX-302

by Harold Sellers, ANARC DX Equipment Information Comm.

The following changes have been incorporated into the new Radio Shack DX-302 receiver when compared to the DX-300.

1. The stock ceramic filter in the third IF stage is improved and another is added as well for improved SSB reception. The DX-300 was 5.5 kHz at -6 dB; the 302 is 3.5/6 kHz at -6/-60 dB and 2.5/4 kHz at -6/-60 dB.
2. The audio BW selection on the input to the AF amp has been removed.
3. An AGC amp (Q202) is added in the front end. High level inputs cause Q202 to reduce the FET's gain (Q201). Q202 works in conjunction with the RF-gain control, i.e. if the RF gain is reduced, a higher signal level will be needed before Q202 will react.
4. Q208 Gain Control controls the gain of the 1st IF amp when on longwave (bands 1 and 2). The DX-300 and DX-302 both use a Gain control stage on the first mixer for LW and MW in addition to Q208.
5. Extra attenuation is added onto the High impedance input. Thus the Attenuation switch selects equal attenuation of 0, 20, or 40 dB for both the Hi and Lo Z antenna inputs.
6. A BFO Pitch control replaces the Fune Tune. Thus the BFO frequency is varied instead of the 3rd L.O. frequency.
7. When in the "Standby" condition, the AF amp circuit is killed by grounding the input. In the DX-300 it was left floating.
8. Phone Jack output is reduced from 100 mV to 70 mV in the specs; no change to the Tape Output. Circuitry has been rearranged, with the DX-302 using Q313 as a Preamp for all audio outputs. In the DX-300, Q313 and 314 were Buffer amps for the Tape out and only IC301 was for the speaker and phones outputs.
9. Connections supplying the S-meter have been changed, but I don't know how response is affected.

CKZU

CBU/CKZU CBC RADIO BRITISH COLUMBIA

by Chris Leithner, 604 Davis Dr., Brentwood, TN 37027

One of two Canadian Broadcasting Corporation shortwave stations is CKZU, which transmits from Vancouver. CKZU carries the same programming at its mediumwave sister station, CBU. CBU (then known as CNRV) began broadcasting on the first of October, 1925, on 690 kHz. Since then power has been increased three times, to 5 kW in 1937, to 10 kW in 1952 (when call letters were changed from CNRV to CBU), and to the present 50 kW in 1969.

The shortwave outlet CKZU began transmissions on October 27, 1941, with 500 watts output. The shortwave service is intended for the isolated communities and shipping along the coast of British Columbia. The signal has been heard far beyond its intended area; the station has verified reports from Norway, Sweden, Australia, New Zealand, and many parts of the United States.

CBU/CKZU is a part of the national network and most programming is received from the headquarters of the English Services Division in Toronto. CBU/CKZU devotes roughly 35 hours per week on local programming as well as recording material for broadcast over the national network.

The CBC Regional Broadcast Centre is located at 700 Hamilton Street in Vancouver. The Centre houses studios for CBC Radio, TV, and film services. Those who have verified this station probably have a QSL card showing an architect's sketch of the Centre.

Another CBC station located in British Columbia is CFPR, which went on the air from Prince Rupert, B.C. on January 1, 1942. Originally 250 watts, CFPR was upgraded to 10 kW in 1965. 120 other low power repeaters relay programming from CBU/CKZU or CFPR to listeners in remote areas of the province.

If you have not heard CBU/CKZU, then 6160 kHz is the frequency to check. Try around 0830-0910* GMT, or earlier if you are on the West Coast. The station's address is:

P. O. Box 4600, Vancouver, B.C., V6B 4A2

Special thanks go to Mr. Dave W. Currie, British Columbia Regional Engineer, who was kind enough to provide me with most of the information appearing in this article.

R. Bhutan

RADIO BHUTAN

by B. F. Gunderson, 2641 Newman St., Ashland, KY 41101.

Radio N.Y.A.B. was started in November 1973 by a small group of young people who were members of the National Youth Administration of Bhutan who wished to contribute toward the development of the country. The first studio was a small room in the Civil Wireless Building. The equipment was shielded from the transformer by putting it in a steel trunk. At first broadcasts were only one hour on Sunday and only in English.

Gradually programs in Dzonghka, the native language, were added and broadcast time was increased. More equipment was obtained and the staff became more experienced. Now Radio N.Y.A.B. broadcasts for a total of nine hours per week with programs in Dzonghka, NepaliSchacop and English. They have a modern studio to broadcast from.

Their present schedule is: Sunday: 41 metres 7040 MHz 12:00 to 15:00 BST.
Wednesday and Friday: 61 Metre band 4690 MHz 17:00 to 20:00 BST. The English session is the last 30 minutes of each broadcast.

The programs consist of news bulletins, both international and local, educational features on agriculture, animal husbandry, basic health and hygiene, religious programming and listeners choice of music.

Weather?

MORE ON WEATHER AND DXING

by Beverly Slomka, 273 Bay 8th St. Brooklyn, NY 11228

I just want to offer some support for David Gallagher's observations on weather and DXing in April FRENDEX. It just so happens I have been plagued for some time with the question of how weather and DXing might be related. In fact, the importance of weather has seemed more important to me recently when I began to notice definite trends in the local weather and my ability to pull in distant stations.

While I was not able to refine the weather in the way Mr. Gallagher did, such as: "Cloudy weather caused by an advancing cold front. . ." and I did not separate day and night, I did observe the exact same things in general. For example, I found DX to be best on cloudy or foggy days. DXing on clear days, except for a few exceptions, was not always best. DXing was worst during rain. When it is not raining, but a thunderstrom is approaching, DXing is bad simply because of high static levels.

I made these observations through the summer and fall, and because of them I wrote to the BBC World Radio Club, noted my findings, and asked the question: "What affect does weather have on DXing?" In reply, on a World Radio Club program, BBC staff said my question was a difficult one to answer since there were theories, but no hard facts about the exact relationship.

Since then, my observations are still holding for the most part. I do feel, then, that weather does have an affect on DXing, although I admit it is certainly not a prime determinant. When thinking of how weather was affecting my ability to catch distant stations, I also wondered about my actual location. I live near water. There have been many foggy days. Also, when storms are in the area, they seem more intense around where I live. Perhaps this accounts for something.

In any case, I wonder if the area of weather is being investigated in any detailed way. It would certainly be interesting to get more hard facts on its effects.

(Editor's Note: Some studies are underway to study the relationship between weather and the influx of charged particles from the solar wind. These charged particles affect the

earth's electrical field that in turn may affect the location and severity of thunderstorms. Changes in the electrical field may also affect ionospheric refraction. There is a lot left to understand about these relationships. We would welcome any additional systematic observations made by DXers.)

Non-English to NA

NON-ENGLISH LANGUAGE BROADCASTS DIRECTED TO
NORTH AMERICA

by Roger Legge, Box 232, McLean, VA 22101

East and Central North America

Language	Country	Station	GMT	Frequencies (kHz)	
Albanian	Albania	R. Tirana	0000-0100	6200, 7300, 9790	
			0200-0230	6200, 7300, 9790	
Arabic	Egypt	R. Kahira	0200-0300	9675	
			Lebanon	0200-0230	15375
				Libya	Tripoli
Bulgarian	Bulgaria	R. Sofia	2330-0000	15330	
			0100-0130	15330	
Cantonese	China	R. Peking	0100-0200	15165, 17715	
Chinese	China	R. Peking	0200-0300	15165, 17715	
Czech/slovak	Czechoslovakia	R. Praha	2200-2230	5930, 7345, 9640, 11990	
			0030-0100	5930, 7345, 9640, 11990	
Danish	Denmark	R. Danmark	1300-1355	15165	
			1800-1855	15165	
			2100-2155	15165	
Dutch	Belgium Netherlands	BRT	2345-0015	15385	
		R. Nederland	0030-0120	6165b, 15315b	
Finnish	Finland	Soumen Yleisradio	1230-1300	15400	
			1500-1615	15400, 21475	
			0400-0515	15400	
French	See separate schedule				
German	Austria	Osterreich auf Kurzwelle	1200-1230	15290	
			2300-0100	5945, 9770	
			0200-0330	5945, 9770	
	Germany	Deutsche Welle	1300-1320	15275w, 17715w	
			1330-1350	15245, 15275w, 17715w, 17800	
			2200-0150	6075, 9700k, 9735, 11795k, 15410w	
			0200-0550	6085w, 6100m(to 0430), 6145, 9735, 9605c(from 0330)	
	German Dem. Rep.	R. Berlin Int.	0045-0130	9730, 11975	
	Switzerland	Schweizerische auf Kurzwelle	1345-1415	21570	
			0245-0315	6135, 9725, 11715, 15305	
Greek	Greece	Elliniki Radiofonia Tileorasis	1200-1250	17835, 21455	
			0000-0150	9515, 9655, 11730	
			0200-0350	9515, 9650, 11730	
Hebrew	Israel	Kol Israel	0030-0100	11637, 15582, 21710	
Hungarian	Hungary	R. Budapest	0030-0200	9835, 11910, 17710	
			0130-0200	9835, 11910, 17710	
			0230-0330	9835, 11910, 17710	
Italian	Italy Switzerland	RAI R. Svizzera	2230-0100	9575, 11800	
			1445-1515	21570	
			0345-0415	6135, 9725, 11715, 15305	

Lithuanian	Lithuanian SSR R. Vilnius	0100-0130	11735, 15275
Norwegian	Norway	Norsk Rikskring- kasting	1300-1430 17840 2100-2230 15345, 17795 2300-0030 9605 0100-0230 11860, 11870 0300-0430 9645
Persian	Iran	R. Tehran	2300-0400 9022, 15084
Polish	Poland	Polskie Radio	0000-0400 6095, 9525, 11815, 15120
Portuguese	Portugal	Radiodifusao Portuguesa	0100-0300 11925, 15125 0330-0500 9575, 11925
Romanian	Romania	R. Bucuresti	2300-0000 5990, 9570, 11940 0230-0300 5990, 9570, 11940
Russian	Ecuador USSR	Gołos Andes Radio Moscow	0130-0200 11810 See separate schedule
Spanish	Argentina Cuba Ecuador Spain	RAE RHC La Voz de Los Andes R. Exterior de Espana	0100-0300 (Tues-Sat) 9690 1100-1830 11760, 15230 (to 1650) 2200-0300 11760 1230-1530 11910 2230-0500 11960, 6050 (from 0200) 2145-0000 9630, 11880 (Su: 2245) 0200-0515 9630, 11880
Swedish	Sweden	Sveriges Radio	1430-1500 21615 2330-0000 15380 0100-0130 15290 0200-0230 15290
Ukrainian	Ukrainian SSR R. Kyiv		2200-2300 9800, 15135, 15275 0330-0400 9800, 11735, 11790
Yiddish	Israel	Kol Israel	2300-2325 9815, 11637, 15582, 21675, 21710

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FRENCH LANGUAGE BROADCASTS TO EAST AND CENTRAL NORTH AMERICA

Morning

1100-1605	Paris, France	17775, 17865 (to 1400)
1230-1300	Jerusalem, Israel	15605, 17612, 25615
1330-1400	Stockholm, Sweden	21615
1415-1445	Berne, Switzerland	21570

Evening

2200-2230	Jerusalem, Israel	9815, 11637, 15582, 21675, 21710
0030-0045	Athens, Greece	9515, 9655, 11730
0030-0100	Lisbon, Portugal	11925, 15125
0100-0130	Montreal, Canada	9535
	Vienna, Austria	5945, 9770
0115-0130	Vatican City	6015, 9605, 11845
0120-0135	Rome, Italy	9575, 11800
0130-0200	Beirut, Lebanon	15375
0200-0230	Montreal, Canada	9535
	HCJB Quito, Ecuador	11810, 15155
0300-0330	Havana, Cuba	11760
0315-0345	Berne, Switzerland	6135, 9725, 11715, 15305
0330-0400	Montreal, Canada	5960, 9535, 9655, 11845
0515-0530	Jerusalem, Israel	11637, 15105, 17782

RADIO MOSCOW BROADCASTS IN RUSSIAN TO EAST AND CENTRAL NORTH AMERICA

1200-1800 15455, 15525 (from 1530)
 1800-2100 15525, 11790
 2100-2330 11790
 2330-0300 11790, 11980, 11735 (2330-0030, 0130-0300)
 0300-0400 11980
 0400-1100 12070 (to 0700), 9685 (from 0430)

R. Atlantika at 1300 and 1630; R. Rodina at 1400, 2000, 2330, 0200.

WESTERN NORTH AMERICA

			<u>GMT</u>	<u>KHz</u>
Armenian	Armenian SSR	R. Yerevan	0030-0355 Su/Tu/Th/Sa	15180, 15405, 17870
Cantonese	China	R. Peking	0100-0200	15165, 17715
			0300-0400	11980, 15300
	Taiwan	V. of Free China	1300-1400 0200-0300 0500-0700	11745, 15225 11825, 15345 9600
Chinese	China	R. Peking	0200-0300	15165, 17715
			0400-0500	11980, 15300
	Taiwan	V. of Free China	1200-1300	11745
			1400-1500	11745, 15225
			2040-2140	9685, 11825, 15270
			0000-0100	11745, 11825, 15345
			0400-0500	9600
Danish	Denmark	R. Danmark	2300-2355	15165
Dutch	Netherlands	R. Nederland	0430-0520	6165b, 9590b
Finnish	Finland	Soumen Yleisradio	0400-0515	15400
French	Switzerland	R. Suisse	0600-0630	9725, 11715
German	Austria	Osterreich auf Kurzwelle	0400-0430	12015
			0500-0600	12015
	Germany	Deutsche Welle	0200-0550 0400-0520	6085w, 6145, 9735, 9605c (from 0330) 9545w
	German Dem. Rep.	RBI	0315-0400	11840, 11890, 11975
	Switzerland	Schweizer Radio	0530-0600	9725, 11715
Greek	Greece	Elliniki Radiophonia Tileorasis	0200-0350	9515, 9650, 11730
Hungarian	Hungary	R. Budapest	0230-0300	9835, 11910, 17710
Italian	Switzerland	R. Svizzera	0500-0530	9725, 11715
Japanese	Japan	R. Japan	0100-0130	15235, 17725, 17825, 21640
			0815-1830	9505
			Hourly at quarter hour, except at half hour at 1000, 1400, 2300.	1915-2130 2215-0430 0515-0730
Korean	Rep. of Korea	R. Korea	1530-1600	9720, 11830
			1730-1800	11830
			0300-0330	11620, 15570
Lithuanian	Lith. SSR	Vilniaus Radijas	0100-0130	15180, 15405, 17870
Norwegian	Norway	Norsk Rikskringkasting	1500-1630	15175
			1700-1830	15175
			0100-0230	9610, 11870
			0300-0430	11860

Portuguese	Portugal	Radiodifusao Portuguesa	0100-0300 0330-0500	11925, 15125 9575, 11925	
Russian	USSR	Radiostantsiya Rodina Golos Rodiny Radiostantsiya Rodina		2330-0030 0130-0200 0200-0300	15180, 15405, 17870 15180, 15405, 17870 15180, 15405, 17870
Spanish	Argentina Spain	RAE R. Exterior de Espana	0400-0600 0200-0515	9690 (Mon-Fri PDT) 9630, 11880	
Swedish	Sweden	Sveriges Radio	0100-0130 0200-0230	15290 15290	
Ukrainian	Ukrainian SSR	R. Kyiv	2200-2300	15405, 17870	

Relays: b = Bonaire, Netherlands Ant.; c = Canada; w = Antigua/Monteserrat; m = Malta.

THIS & THAT

Paul Kowolski, 1557 N. Farwell Ave., Apt. 105, Milwaukee, WI 53202, writes to us regarding tuning the SX-190 receiver. As Most SX-190 owners probably know, the pre-selector can be mistuned to receive certain out of band frequencies. Ed Shaw, I believe, had an article on this some years ago. As he said "these

trick frequencies tune backwards. "

I've found a way to receive further coverage involving pre-selector tuning and this is very useful. Coverage on the 11.5 MHz range can be either fundamental 11.5, 17 MHz will be the next "backwards reading" one, and then 26 MHz! And the 26 MHz range reads normally left to right. The 100 kHz crystal marker points will however be approximately 20 kHz behind the calibrated main spread dial.

To receive the 26 MHz band, first set the band selector to 11.5, then tune the pre-selector to between 27 and 25 and peak the background noise. Next put on the crystal calibrator and tune approximately in the vicinity of 180-200 on the main dial and listen for the crystal signal. When located, peak the preselector and adjust the dial skirt to 0. You will now be tuned to 26000 kHz. Daytimes tune up 20 kHz and you will find HCJB's 100 watt. As I said before, the main tune dial will be a bit behind actual markings, but the whole band is quite accurately tuned if you calibrate via crystal and use the dial skirt scale. Remember that, unlike the second "trick" setting that reads backwards, this third one reads normally left to right. So if you want 11 metre coverage, don't waste money on a crystal. The SX-190 will get most of it down to nearly 25800. Tests with the crystal marker shows it to read fairly linear much the same as normal band reception.

++++++

Rufus Jordan of Pittsburgh, PA sends a newspaper article stating that the U. S. FCC has approved AM stereo. There were several similar systems competing for approval and the FCC selected the system proposed by Magnavox corp. It is not known how long it will be before the system is on the air. The greatest market is expected to be in automobile audio systems. The natural audio frequency limitations of AM radio will still apply and the quality of sound reproduction will be less than on FM, but it will be an improvement over mono-AM. The range of stereo reception is expected to be 50-60 miles. AM-stereo presumably makes use of the fact that the AM signal contain two symmetrical audio side bands, these presumably will be modulated separately (not described in the article). The new system is compatible with present mono receivers.

In another unrelated FCC action, it has been proposed to open up additional night-time channels in the AM broadcast band by eliminating the protection of Clear-channel stations. The clear channel stations would be protected in a radius of about 750 miles, beyond that other stations would be allowed to operate on the frequency. Goodbye WOAI, WSM, WLS, etc.

=====

Your editor wrote for the MFJ Enterprises, Inc., catalog (P. O. Box 494, Mississippi State, MS 39762). They have antenna tuners, preselectors, audio processors, an active antenna, and a digital clock that may be of interest to SWLs and DXers. They also have several tuners with a large RF capacity for transceivers and transmitters of interest to hams.

John D. Williams of Bloomington, MN, writes to mention that Fair Radio Sales, P.O. Box 1105, 1016 E. Eureka St., Lima, OH, 45802, has military surplus gear that may be of interest to DXers. While you should write for current prices and availability, they have had G133 (5151 Collins) military conversion by LTV Tempco for use with 14-600 kHz LF tuner for \$975 and the manual for \$15, and power connector for \$5.00. They also have R-388, 390, 390A, and 391 receivers. They have the 3HTF4 ballast tube which replaces the hard to find 3TF7 used in some of these military receivers.

One should note that not all R-390A receivers were made by Collins. They are of Collins design, but not necessarily made by Collins. Some were made by Motorola, Stewart Warner, Bendix, and the like. Some do not have Collins filters, such as the ones made by Motorola. Another caution, beware of any of these that have the name plate, located above the digital, removed, as you don't know what you are getting. Also turn the receiver upside down and check for Collins filters. Also check the 3, 7, and 9 MHz bands on Stewart Warner receivers. They also have manuals, write for prices, most are reproductions with schematics. NB

For \$1.00, Associated Radio, 8012 Conser, Box 4327, Overland Park, KS 66204 will send a catalog with Ham and SW equipment. NB

Amateur Electronic Supply, 4828 W. Fond du Lac Ave., Milwaukee, WI 53286 is closing out the Standard C-6500 general coverage receiver, a solid state .5-30 MHz in 30 bands, AM, CW, LSB USB, 5.5 kHz AM and 3 kHz CW and SSB selectivity, built in speaker, 5 kHz analog dial, sale price \$249. They are also located in Wickliff, OH, Orlando, FL, Las Vegas, NV, and an associate store in Chicago, IL (phone is 1-800-242-5195). NB

+ + + + +

George Poppin, 2654 17th Ave., San Francisco, CA, 94116, notes that his FRG-7 with digital readout brings in better reception of audio when I flip the switch to DX position and tone to Narrow position. It cuts out a lot of the splatter and QRN when in the DX position although the S-meter indicates a loss of signal strength. By maneuvering the KS preselector and Antenna Tuner, I can usually cut out more splatter and noise from the selected frequency. At the same time, I may tune from one to two kHz above or below the station frequency for better results. The narrow tone position really assists when hearing some of the low voiced Indonesians and, of course, I am always ready to activate the cassette tape recorder. This has enabled many IDs that would have vanished into the ionosphere. NB

♦ ♦ ♦ ♦ ♦

The military equipment code at the left was submitted by John D. Williams. NB

JOINT ARMY-NAVY SYSTEM DESIGNATION

EXAMPLE:	DENOTES ARMY NAVY AIRBORNE	
AN/APN-10	RADAR NAVIGATIONAL AID UNIT	
CLASS:	NO. 10	UNIT NUMBER
FIELD UNDER	PURPOSE	
ARMY-NAVY SYSTEMS,	TYPE OF EQUIPMENT	
NOT NECESSARILY USED BY BOTH	TYPE OF INSTALLATION	
AN/A TYPE OF	P TYPE OF EQPT	N PURPOSE
INSTALLATION		
A AIRBORNE (OR AIRCRAFT)	INVISIBLE LIGHT BEAM	NAVIGATIONAL AID (NOT COMPLETE LIST)
B UNDERWATER	PISEDR	BOMBING
C AIR TRANSPORTABLE	CARRIER	COMMUNICATIONS (RCVING & TRANS)
D PILOTLESS CARRIER	RADIOLOGICAL	DIRECTION FINDER
F GROUND FIXED	PHOTOGRAPHIC	
G GROUND GENERAL USE	TELEGRAPH OR TELETYPE	SUN DIRECTION
H		RECORDER
J	INTERPHONE OR P.A.	
K AMBIDIOUS	TELEMETERING	ECM (RCVING & TRANS)
L	COUNTYMEASURES	SEARCHLIGHT CONTROL
N MOBILE GROUND	METROLOGICAL	MAIN AND TEST AGST
H	SOUND IN AIR	NAVIGATIONAL AID
P PACK OR PORTABLE	RADAR	REPRO (PHOTO OR SOUND)
Q	UNDERWATER SOUND	SPEC OR COMB OF TYPES
R	RADIO	RECVING OR LISTENING
S WATER SURFACE CRAFT	SPECIAL TYPES (MAR.)	DETECTING AND RANGE OF BEARING
T GROUND TRANSPORTABLE	TELEPHONE WIRE	TRANSMITTER
U GENERAL UTILITY		
V GROUND VEHICULAR	VISUAL OR VISIBLE LIGHT	
W UNDERWATER, FIXED		REMOTE CONTROL
X	FACEBOOK OR TELEVISION	IDENTIFICATION AND RECOGNITION

Ron Dishman, Augusta, ME, writes that ZEUS has come out with a home service entrance lightning arrester for appliances and electronic equipment. If people do not have a service entrance lightning arrester, they might check this one out. It is supposed to be a lot better than GE's. The unit sells for \$25.00 and the electrician fee was \$10. It can be installed on the box without having the power company come to cut the power off if your box is grounded to the water main.

Ron also cautions that lightning may jump power cords or antenna leads to equipment, even if the equipment is not plugged in or the antenna attached. So keep delicate equipment away from cords and leads that may carry lightning charges if your QTH is struck.

+ + + + +

Thanks for your contributions this month. Keep the material coming. 73s till next time.

Jan

Listeners NOTEBOOK

GLENN HAUSER
University Radio WUOT
Knoxville, TN 37916



J 1
U 9
L 8
Y 0

PROPER CREDIT

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ENGLISH SCHEDULES

- ✓ **ALGERIA** A BBCMS report was incorrect on fqs for EG at 2000-2030. Actually monitored on 7195 9510 11740 15360 17745 21635 with no trace on previously well-received 9610 and 11810 (QTH Africa 20/5) LN-13
- ✓ **AUSTRIA** ORF announced that as of 12/6 the 1230 xmsn to NAM would return to 21655 from 15290 (Jim Conrad, IA; Ed Bromley, Nfld.) A great improvement, I had been advocating (gh)
- ✓ **BRAZIL** RadioBrás hrd one night on 15280 at 0320; excellent reception but co-channel KGEI (Bruce Berr, NY) Still noted here at 0200 on 15290, announcing 0300 (gh) /more, LN-13
- ✓ **CANADA** As of 15/6 RCI moved to 11955 from 9580 for the 'Sunday Morning' relay at 1300-1600-- a great improvement here. //17880 then 17710 were very good 8/6 as I was ferrying across Pamlico Sound NC, but remain very poor in Knoxville due to beam direction southward (gh)
- ✓ **CHINA** (Cf June LN-1) Additional frequencies for R. Peking; most of them likely internal feeders: 0000-0500 10865 8240. 0830-1030 17490=SSB 11455 8425 6995. 1200-1800 6520 5420. 1800-1900 12450 8660=SSB. 1930-2030 11660=SSB 8490. 2030-2130 11600 8490. 2030-2230 12450 8660=SSB (WBI 29/5)
- ✓ **ECUADOR** HCJB has changed 15435 to 15300 at 1900-2000 & 2130-2200 (DX Party Line 10/6) Better.
- ✓ **GUAM** Sked from KWR says it would soon move 0000-0140 to 17800 (David Crichton, Germantown TN) 17855 was co-channel Peking (gh)
- ✓ **KOREA SOUTH** R. Korea anc'd 9/6 that from 16/6 all its English xmsns would be one hour long at these times: 0100 15375 CAM, 15570 GS. 0330 15570 GS. 0730 9870 11810 N&CAM; 15570 Eu. 1000 9570 SAM, 9870 ME+India+As+NAf, 11725 SAM, 15570 ME+NAf. 1300 7550 11830 SEAS. 1600 7550 and 9870 ME+NAf, 9720 11830 N&CAM. 1900 6840 15570 Eu /6480? gh/. 2130 15375 GS=General Service. Apparently the 1800 broadcast to NAM has been eliminated (Ted Van Beurden, McClellan AFB CA)
- ✓ **LUXEMBOURG** R. Luxembourg following /Britain's/ GMT+1 summer sked? Noted 27/5 on 6090 already in English at 2330, past 0130. Subsequently hrd going to German at 0145; unconfirmed opening of EG seems to be 2300 (Doug Jaffe, Montpelier VT)
- ✓ **MADAGASCAR** RN relay obs testing prior to sked xmsns, 0700-0725 on 21480, 25650, sometimes in Dutch (normally via Bonaire only) or English (Lopik) (QTH Africa 20/5)
- ✓ **MEXICO** Besides the 'Mexico in a Minute' alleged EG segments, which have not appeared when I checked, R. México sked also shows an hour of EG GMT Fri 0030-0130 'La Hora de México' (via Andy Sennitt, RIB) Trying to confirm this 20/6, awful reception on all 5 frequencies, but around 0100 I did hear a few words of English about Mexico briefly atop AFRTS 17765 (gh)
- ✓ **MONACO** TWR J80: 0625-0800 daily, 0800-1000 Sunday, 0930-0945 Mon & Fri, 0930-1000 Tue/Wed/Thu all on 9495. (via Wolfgang B&schel, Stuttgart, W. Germany) See also DX PROGRAMS, LN-8
- ✓ **NIGERIA** WON hrd on 15185 at 0830, stronger than // 15120 the QRMd (No1 Green, BBC WRC 9/6) On 15185 instead of 15120, 2100-2200, still announcing old fq (David Appleyard, Sweden, SCDX)
- ✓ **PAKISTAN** On 5/6, R. Pakistan dictation news at 0230 hrd on 21745, seemed // very faint 27/5) 21590; 17835 jammed out (Doug Jaffe, Montpelier VT)
- ✓ **PHILIPPINES** R. Veritas Asia J80: 1130-1200 15215 9615. 1430-1500 15215 11955 9605. 0030-0100 17790 15285 15135. 0300-0330 17790 15320 15285 (NDXC 25/5 via June ADXN)
- ✓ **POLONIA** R. Polonia heard on unlisted and unannounced fq of 7270, and at 9:00-11:00 PM, not AM EST as in their sked. One night EG segments ran 0200-0238 and 0300-0320 (George Minz, NJ 14/6)
- ✓ **PORTUGAL** During one of R. Portugal's schedule annts on another xmsn 29/5, they said the 2030-2100 to Eu was on 3 fqs: 6025 11800 15125; printed sked shows last two in Portuguese... (gh)

ROMANIA R. Bucharest: 0130-0230 Nam & 0400-0430 Nam 11940 11840 11735 9690 9570 5990. 0530-0600 Af 17745 15340 11840. 0645-0715 Pac 17805 15335 15255 11940. 1200-1230 As 17825 15345. 1300-1330 Eu 17850 15250 11940. 1500-1530 As 17805 15335 11775. 1730-1800 Af 17720 15340 11885. 1930-2030 Eu 11940 9690. 2100-2130 Eu 9690 7195 (WBI 29/5)

SOMALIA (Cf June LN-3) 1100-1130 is the correct time for 9585 (QTH Africa 30/5)

SPAIN (Cf June LN-3) REE is not using 11870, but 11840 2010-2200 //9765, 2110-2200 //7105 (Anton Kersch, W. Germany, SCDX 27/5)

SWITZERLAND LN-13

SWEDEN As of 18/6, R. Sweden at 1700 to SAs moves to 17845; at 0230 to Nam from 15290 to 15315 (SCDX 17/6) Finally! in the clear after 6 weeks of messing with Brazil; unfortunately, 15315 is also used for Swedish at 0200, while RN-Bonaire Spanish is still on it! (gh)

U K O G B A N I On 8/6 I heard on 7325 at 0333-0344* what I believe the BBC announcer said was the first of a nightly series of weather broadcasts for a trans-Atlantic yacht race at 0330. Was this listed in London Calling? (Mike MacCollum, IN) No. Shades of Hong Kong! I remember BBC did the same thing a year or two ago, again without any advance publicity except, I suppose, among the racers (gh) 10/6 & 11/6 hrd also on 3955 (Ed Bromley, Brent's Cove, Nfld) BBCWS moved 25/5 frn 21710 to 21560 for Au svc 2000-2115 to avoid Israel (Bob Padula, Victoria)

UNITED NATIONS UN Radio J80: Fridays 1830-1835 Greenville 11960 15410 17740; Tangier 15305. 2245-2300 Greenville 11920 15225. Saturdays 0230-0245 Monrovia 6035 15240, Bethany 10869-USB, Greenville 15752-USB. 0645-0700 Greenville 11735 15125, 0707-0715 Greenville 11735 15125, 0737-0745 Tangier 15195 17815. 0800-0815 Monrovia 15235 17860, Greenville 11735 15125. 1000-1015 Delano 9565 11090-LSB, Philippines 15250. /Stand-by schedule for/ broadcasts of meetings all via Greenville, in FR & EG: 0000-0500 11905 Af. 0000-0600 9620 Af. 0500-1200 9540 Af. 0600-1430 15120 Af. 0900-1200 9620 ME. 1200-1400 15415 ME. 1200-1430 21670 Af. 1400-1430 15410 ME. 1430-1815 21670 Af. 1430-1830 15120 Af. 1430-1900 15410 ME. 1815-1900 11960 Af. 1830-1900 11900 ME. 1900-2200 15410 Af. 1900-2300 11960 Af. 2200-2345 15415 Af. 2300-2400 11965 Af. 2345-0900 6055 ME (R. Stein, June SPEEDX)

/more, LN-13

URUGUAY SODRE ES in EG 0045-0100* hrd 24/5 (Bob Padula, ADXN) 0031-0046 fade 28/5 (Peter Bunn, ADXN) True to form, very unreliable sked; when I checked 13/6 they were in SP 0045 (gh)

U S S R R. Kiev official sked shows 2000-2030 Eu 11880 9560 7175. 0030-0100 17870 15405 15275 15180 11735 Nam, 0300-0330 Nam 17870 15405 15180 11790 11735. Also predicts that from 1/8 the 0030 will replace 15275 with 12060; and from 7/9, 2000 will replace 11880 with 9665, 0030 will replace 15405 with 17845, and 0300 will replace 15405 and 11790 with 11715 and 9655 (via Raif F. Munster, Decatur GA) R. Yerevan 0330-0400 Armenian & EG, Sun/Wed/Thu/Sat 17870 15405-15275 15230 11965 11790 (Shigenori Aoki, Nagoya DXers Circle, via RA Japanese DX 1/6)

RMWS monitored 1400-1600 on 12030; also 1400 11720, 1500 11915 (Tom Gallagher, El Paso TX)

VIETNAM VOV: 0700-0800 (slow speed) 9840 7512 6384. 1000-1030 12035 10080. 1100-1130 12035 10080 1010. 1330-1430 12035 10080. 1330-1430 15010 10080. 1800-1900 15010 10040. 2030-2130 15010 10040. 2330-2400 12035 10080 10040 10010 (WBI 22/5) Noticeably improved signal at 1800 on 15012; are they using more power? (Ed Bromley, Nfld, 6/6) Believe so, see LN-7 (gh)

MISCELÁNEA RADIAL

AFGHANISTAN A check 16/5 & 19/5 shows R. Afghanistan DS on 4450 ex-4460 //19637½ 17720 6230 4740 3965; not hrd on either occasion were 15255 7200 (WBI 22/5) R. Afghanistan Russian svc 1630-1700 is on 11085 (Salvatore ---, Italy, DX Party Line 12/6) Not sure if error or actually on this OOB (gh)

ANGOLA A provincial stn, presumed to be Dundo, noted on 4770 at 2115* now that ELWA has moved and good reception suggest possible power increase (QTH Africa 30/5)

ARGENTINA LRAI, R. Nacional, 6060 from 25/5 will be 24h, //870. 15345 continues to be used Mon-Fri 1300-1830, Sat/Sun 1300-2030; 20 minutes of details required for QSL (Gastón Federico Rosenstrauch, Tortuguitas, Argentina, 20/5) R. Antártida ID hrd 20/6 0030 after sports coverage, on 9710, a R. El Mundo frequency; good reception (gh)

BHUTAN On a recent DX-pedition to Yarram, in the Gippsland region of Eastern Victoria, Mike Willis and Bob Padula heard NYAB 4692, first noted around 1255 with national songs and announcements in a local lang; EG began at 1330 with selections of western mx, to 1400* (R. Australia Japanese DX Time 1/6) fair to very poor; Indian style mx during variety style pgm for much of the time except for segments of talk by male and a female ancr. No sign of Vietnam or Russian wx stns (Willis & Padula on same reception, ADXN) an UNID hrd on 17/5 1245 to suddenly off at 1400, not strong enough to ID; mostly western pop mx with anmts in Indonesian in between. Could it be amatir? On 4690a (Sarath Weerakon, Sri Lanka, UADX) Could it be Bhutan? (gh)

BOLIVIA This update from Tony Jones, Paraguay, as of 24/5:

3257 R. Paitití, impossible to determine full sked, but hrd from before 1000 during early May, with a pgm in Aymara, a change in both s/on and program format

3280 R. Chaco, active, but full sked not yet determined.

3310 R. San Miguel, 0100* all days; announces *1100 at s/off

3337 R. Viloco, active, but considerable QRM; full sked not known

3350 R. 27 de Diciembre, regular, but full sked yet to be determined

3380 R. Cumbre, possibly inactive

3390 R. Camargo, 0300* (daily); s/on time not known

3396 R. Charcas, seemingly inactive; not heard in many weeks

3480v R. Padilla, 2300-0300 daily; impossible to check if there is a morning broadcast (more..)

- 4093v R. Comarapa, not heard for some time.
 4467 R. Movina, regular to 0300v* (i.e. 0300*, variable)
 4697 R. Riberalta, daily to 0400+ (seems nominally 0400*, but often well past this time).
 4722 R. Abaroa, 0330* (local Mon-Fri; Sat -0400*) /mum conditions in the past.
 4730 R. Frontera (Cobija) - nothing hrd but maybe due to weak sig, as only heard during opti-
 4739 R. Mamoré, 0300* (sometimes extended); Sun 0100*
 4755 R. Em. Bolivia, 0900-0400 (Sun 1000-0300v)
 4775 R. Los Andes, 1100-0400, tho sked varies due to problems with electricity supply tion.
 4797 R. Nueva America, *1000 and 0400* (Sun -0200*); now daily, after very irregular opera-/
 4806 R. Frontera (Yacuiba) *1030 (Sun *1100), very low power, impossible to get full sked
 4818v R. Nacional La Paz, sometimes hrd around 1130, but low power and QRM make reception
 difficult. Currently operating marginally higher than 4818
 4830 R. Grigotá, nominally *1000 but often *0930 with educ pgms (Sun *1100); weekday to 0330*
 4845/6155 R. Fides, 0900-7 and 2220A-0300 (Sun *1230 & 0200*)
 4868 R. Florida (Samaipata) hrd 11/5 & 18/5 only, very low powered /Sundays/
 4875 R. La Cruz del Sur, 0930-1230, 1530-1800, 2200-0100 (Sun 0930-1800, 2200-0100). Often
 heard with IDs in English and French
 4887 R. Sararenda, *1000 (Sat *1100, Sun *1200); s/off not known
 4938 R. Norte, 1000-0400 (Sun 1100-0300); s/on can vary somewhat and is often 15-20 min early
 4965 R. Juan Veintitrés, 0930-1400, 1900-0100 (Sun 1100-1600); seems to have upped the power
 4980 R. Batallón Topáter, 1000-1800, 2100-0400 (Sun 1100-0030).
 4991 R. Ánimas, 1030-1800, 2100-0400 (Sun 1130-1800)
 5005 R. Cristal, 1100-0500 (Sat 1100-0400, Sun 1100-0200).
 5020 R. Cuarto Centenario, believed the one hrd here, very weak, around 1600
 5312 R. Roboré, 1100-0100 (Sun 1100-2100); low power
 5511 Unlisted stn in Quayaramerín, nominal fq may be 5510; split sked per s/off amt, with
 s/on 1000; weekday s/off 0300; Sunday pgms ending at 0100. Correct ID impossible
 5582 R. San José, 1115-0230 (occasionally to 0300*); Sun 1115-1700
 5585 R. Machupo, 2300-0220v (-0230*).
 5870 R. Corocoro, active, but prohibitive QRM
 5965 R. Nacional Huamuni, *0930 weekdays, full sked not known
 5995 R. Loyola, active, but severe QRM
 6005 R. Progreso, currently inactive but should be back in time for the elections
 6034 R. Panamericana, 1000-0030 (Sun 1100-2300).
 6069 R. El Cóndor, not heard for some time
 6081 R. 21 de Diciembre, *1000 (Sun *1100); impossible to check full sked
 6095v R. Stentor, inactive
 6136 R. Santa Cruz, active, but severe QRM
 6146 R. Luis de Fuentes, s/on varies, anytime between 1100 and 1130 or later; *1200 Suns.
 S/off believed to be 2200 (Sun 1900*) tho difficult to check
 6175 R. Indoamérica, active, but severe QRM
 6185 R. Batallón Colorados, not sure if still active, as channel dominated by R. Bandeirantes
 9715v R. La Plata, hrd regularly between 1400 and 1800
 Maxfield Greenwood, PA, has been tracking an uID on 4717v, s/off weeknights around 0330 with
 'Bridge on the River Kwai'; listening to tape of this, I'm sure it's R. Abaroa, nom. 4760(gh)
BRAZIL R. Nacional de Rio, 9705, apparently back on SW after 10 years, using former Mauá
 xmtr. Often good 0030-0300* with sports and mx, TCs for Rio; hrd daily since 5/5 (Behr, Ont.)
 Am hearing some stns I can't pin down: on 4775a, very weak but distinct ID at 0700 sounding
 like 'R. Bon-zhu-ah', could be nick-name. On 4890a to 0410* a 'R. Vesitita, São Paulo', 9/6
 (Maxfield Greenwood, PA) On 20/6, R. Nacional, 15290 at 0200 announced that it had only one
 person, instead of 3 in its correspondence dept. since Jan, and asked listeners waiting for
 replies to please understand their situation and be patient (gh) CAMEROON LN-13
CHINA I've been hearing lately, at least until 19/5, a time-signal station BPM on 20008, generally
 2330-0230 & 1330-1500. This format is repeated every half hour: 00 sec ticks with
 min beeps, 05 sec beeps, 10 silent (unmodulated carrier only), 15 sec ticks with min beeps,
 25 sec beeps, 29 callsign repeated in Morse, then woman's voice. Second ticks last 5 milli-
 seconds, minute beeps almost 1 sec. Second beeps (other format) last 100 msec and appear to
 be a broadcast of a different time epoch because they lead the second tick/min beep epoch by
 about 260 msec. Sec tick/min beeps are received here 5 msec before WWV ticks, so both epochs
 are different from UTC! (Perhaps Chinese versions of UT1 and UT2 scales!) Beep tones are ap-
 proximately 1 kHz. Signals on 10000 & 15000 are received rarely and the format appears to be
 somewhat different (Martin H. Potter, Limoges, Ont., 2/6) In May it also appeared on 15008 cau-
 sing terrible het with Hanói; also noted on 2008 /sic/ around 0800 in Apr/May; during the YL
 ID in Mandarin 'Beijing' is mentioned (Joachim Kornek, W. Germany, SPEDX-GRAM)
CPBS Peking DS in minority languages observed: 2130-2225 Korean 8566 6430. 2230-2325 Mon-
 golian 5915 4190. 2330-2425 Tibetan 11000 9920. 0030-0125 Uighur 9920 8566 + Urumqi 5800 and
 3990. 0130-0225 Kazakh 9920 8566 +Urumqi 5440 4970. 0400-0455 Korean 9900 8566. 0500-0555
 Mongolian 11375 8566 +Hohhot 6974 4010 1458. 1000-1055 Korean 990 8566 +Yanji 1206. 1100-
 1155 Tibetan 15500 11000 +Lhasa 9490 5995 4035. 1200-1255 Mongolian 8566 6430. 1300-1355 Uighur
 15500 11775 11000 +Urumqi 5800.3990. 1400-1455 Kazakh 15500 11040 +Urumqi 5440 4970
 (WBI 29/5) CPBS Peking Pgm I in Std Chinese obs: 2000-2300 on 11610 11330 11290 10245 9080
 9064 7516 7504 7440 7335 7095 6750 6665 6493 6225 6200 5880 5860 5320 4905 4460. 2300-0100 on

15590 15510 11610 11330 11290 10245 9080 9064 7504 7335 7095 6750 6665 6225 6200 5880 5860
 5320 (to 2315). 0100-0900 (Tue-0600) 17605 15590 15510 11330 11290 9080 9064 7504 6665. 0900-
 1100 17605 15590 11330 11290 9080 9064 7504 6665. 1100-1400 17605 to 1130 15590 11735 11610=
 from 1130 11330 11290 10245 9080 9064 7516 7504 7440 7335 7095 6750 6665 6225 6200 5880 5860
 4905. 1400-1500 15590 11735 11610 11330 11290 10245 9080 9064 7516 7504 7440 7335 7095 6750
 6665 6225 6200 5880 5860 5320 4905. 1500-1735 11735 11610 11330 11290 10245 9064 7516 7504
 7440 7335 7095 6750 6665 6225 6200 5880 5860 5320 4905 4460. CPBS Peking Pgm II in Std Ch:
 2000-2330 11505 from 2200 10260 9775 9020 8320 8007 7770 7190 from 2230 6890 5990 5163 5075.
 2330-2400 12200 11505 11040 from 2200 10260 9775 9020 8320 8007 7770 7190 6890 to 2340 5990
 5163 4250. 0000-0600 15030 12200 11505 11040 to 0545 Tue 10260 9020 7770 7190. 0600-0700=
 (not Wed/Fri) 15030 12200 11505 11040 not Tue 10260 9020 7770 7190. 0700-0950 (not Wed/Fri)
 15030 12200 11710 11575 11505 11040 not Tue 10260 9775 9670 9020 8320 7770 7190. 0950-1300
 15030 12020 11710 11570 11505 11040 10260 9775 9670 9020 8320 7770 7190. 1300-1430 15030 to
 1400 12200 to 1320 11710 11575 11505 10260 9775 9670 9020 8320 7770 7190 6890 5075 from 1320.
 1430-1600 11710 11505 to 1500 10260 9775 9670 9020 8320 7770 6890 5990 5075 4250 (WBI 5/6)

Tibet PBS, Lhasa now on 7171 5935 4750 2230-0130, 0130-0330 (Sun), 0330-0645, 1000-1545
 (WBI 12/6) Zhejiang PBS, Hangzhou, Pgm I is 2105-0515 & 0845-1455, on 4785 2475 + 14 MW chan-
 nels. 4785 is on at 2225-0515 and 0845-1100 only; includes some Peking relays (WBI 29/5)

Here we have a conflicting, probably more recent DS in minority langs sked, cf LN-3; this
 one as of 22/5: 2130 Korean 8566 6430, 2230 Mong 8566 6430, 2330 Tib 15500 11000, 0030 Uighur
 15500 11375, 0130 Kaz 15500 11375, 0400 Kor 9900 8566, 0500 Mong 11375 8566 9520 6974 4010,
 1000 Kor 9900 8566, 1100 Tib 15500 11000 11785 9490 5995 4035. 1200 Mong 8566 6430. 1300
 Uighur 15500 11000 9900 3990 3235. 1400 Kaz 15500 11375 11040 5440 4970 (NDXC via ADXN)

Peking has decreased its freq usage. Recent report is that R. Peking now uses about 70 SW
 xmters (Philip Harrison, Perth, ADXN June) Probable source: DW Handbook (gh)

COLUMBIA The 4885a station stresses an ID "Radio Centro Popular" more than its official name,
 Ondas del Meta, which is also used; noted 11/6 0340-0458* (Max Greenwood, PA) Rdif. Nacional
 29/5 *0956 on 6168a, drifting to 6164a in 20 minutes (Jack Jones, Jackson MS)

COSTA RICA AFP news agency reported from San José 31/5 that the Comptroller General's office
 had authorized the operation of R. Noticias del Continente SW radio stn after several months
 of debate during which several political groups demanded that it cancel the stn's operating
 permit on the basis of alleged administrative irregularities committed while transferring the
 stn to its present owners (WBI 5/6) R. Reloj reported 14/5 that the National Commission for
 the study of radio and TV communications had been sworn in by the President. It is to define
 the policies to be adopted 'in face of the threat posed by the occupying of freqs by radio and
 TV broadcasts from abroad'. Acc. to the Pres., there was a short-term threat to domestic com-
 munications which could end up being 'totally covered from abroad' (WBI 22/5) R. Rumbo, 6076.0
 in well at 0300-0400 14/6; why get up early? (Richard Stoller, Old Bethpage LINY)

CYPRUS CBC in Greek to UK 2215-2230 now on 7230 ex-7190, //9695 (Jarmo Patala, Finland, SCDX
 10/6) Presumably still Fri-Sat-Sun only (gh) Turkish communication stn R. Bayrak actually on 6162
 not the announced and previously reported 6150 (Rolf Løstrøm, Lebanon, SCDX 10/6)

CHILE Radioemisora Manatial, Lescano 123, Chile Chico, Provincia General Carreras, is a new
 SW outlet heard on 6260 testing until 0230*; one pgm hrd was 'Patagonia de Noche' (Emilio Pe-
 dro Povznicen, WMR DX World 8/6) I've lost track of EG pgms from Chile, but evenings have
 heard some enjoyable ones in SP on 15150; low freq het (Doug Jaffe, VT) Likes to *2155v, het-
 ting RCI for a couple of minutes (gh)

ECUADOR R. Bahá'í, Otavalo, is a new stn, part of the worldwide Baha'i religious movement and
 a pilot project for possible further stns in Lam. Started on MW 1420 kHz 12/7, but since 11/
 79 has also been on 2340 kHz, both 1 kW. SW sked 1800-1930 E/W, 2000-2130 N/S, but they are
 seeking permission to use 60m at 1000-1200 and 0000-0100. They say in a letter, "we are eager
 that DXers be aware of us; we have already been heard in Panama". Addr. is Apt. 14. Tech.
 Director is Mr. K. Dean Stephens. R. El Mercurio, Cuenca, says they have SW on 6070 kHz, 2 kW
 at 1100-0500, not listed in the WRTH 80 but will be in the 1981 (WMR DX World 15/6) HCJB on
 15015, mixing product at 0140 14/6 between 15155 EG and 15295 RNE relay; on 15015 EG is very
 distorted and SP sounds fine (Richard Stoller, LINY)

EL SALVADOR R. Nacional active again, hrd on 9555 8/6 at 0131 (Jack Jones, MS) Also noted
 here around 1230 on 9554, probably on all day and evening (gh) Hrd in France 0030-0100 (Bloch,
 SCDX) The 24/4 edition of 'La Prensa Gráfica' said all radio stns in the country will join
 the Cadena Nacional de Rdif. to broadcast news and commentaries daily 1230, 1900, 2400 exc.
 Sundays. Each xmsn is 15min (WBI 22/5) Go to it, parallel DXers! (gh)

FRANCE 6/6, just heard *1515 'Radiophonique' 1545* on 21520, not listed; weekdays only, ap-
 parently ex-21515, also noted at 1725 (Ralf Munster, GA) Having usurped one longtime Swiss 13m
 frequency, 21570, they go after another one! (gh)

GUAM KIWR sked also reveals they use two 100 kW Harris xmters; two model 611 16-element, 4-
 band slewable TGI antennas; daily broadcasting began 4/9/77 (via Richard A. D'Angelo, PA)

GUANTÁNAMO BAY (Cf Apr LN-7) Re my 27/2 report of AFRTS harmonic on 2680; Marvin D. Coyner,
 stn mgr says they do broadcast pgms such as I heard but that it is unlikely I heard them as
 they don't use that fq. He apparently does not understand, or chooses to ignore, harmonics.
 WRTH 1980 lists AFRTS Goose Bay on 640 kHz, by the way (Don Moore, Bellefonte PA)

GUATEMALA I am hearing AWR nightly, tho R. RSA is now on 5980 much of AWR's broadcast time;

Despite claims of frequent power increases, signals are not nearly as strong as they were in their first few weeks on the air. I have never heard them ID as 'Union Radio', only TGMJA, Adventist World Radio, Guatemala (Joe Tangredi, Las Vegas NV, 27/5) Hrd past 0500, but sked has been somewhat erratic with s/off times varying, and often not hrd at all. Perhaps they are working on promised power boosts (Steve Webster, Ont., 26/5) TGMJA operates at 1200-1600 on 6090. And the official name of the operation there is now AWR-Latin America (Adrian Peterson, AWR Asia, India) No mention of evening 5980 broadcasts. Per their amts, TGMJA applied to 5980 and TGMJB to 6090 (gh)

HUNGARY LN-13

HONG KONG (cf June LN-5 & 9; May LN-4) Dates of SW 3943 activity were 29/3-13/4 only (Satoshi Wakisaka, Japan, and/or Travcott Goll, Hong Kong, via Dick Greenwood, June ADXN)

ICELAND A relay of ISBS DS obs at 1855-2000 on SSB 15420 & 12175, both USB. The relay includes the main evening nx bulletin (WBI 5/6)

INDONESIA RRI Surakarta now inactive on 4932 (Hisashi Inagawa, Hokkaido, IDXR) On 4900, at 1524 6/4 (Robert Yeo, ADXN May via ICDXR) RRI Samarinda on 6134 +1030-1300+, very poor, Korea 6135 QRM; maybe ex-3294, not hrd recently (Keichi Nakao, Fukuoka, via 'Tampa', IDXR) RRI Gorontalo on new 3704, 1100-1520*, fair, // 3265; also on 4900, poor, with different pgm (Atsunori Ishida, IDXR) RRI Sorong still off the air on 4875 3365 (Tetsuya Nakayama, Nagoya, IDXR) RRI Jayapura hrd on 6070 only (Satoshi Wakisaka, Osaka, IDXR) RRI Dili on new 3305 ex-3120 since late April, to 1520* after Jakarta nx (Tetsuya Nakayama, Nagoya, IDXR) //2456 (IDXR ed)

IRAN VOIRI broadcast a statement from Khomeini on the appointment of a new Managing Director of the Voice and Profile of the Islamic Republic of Iran, saying the organization should be 100% Islamicized by purging it of deviationist groups which had ties with the former regime. If it were in the service of 'warped-minded elements' it might drag the whole country into corruption. VOIRI introed its summer SW sked 15/5, with the DS in Persian observed: 0600-1600 on 17743 (17730 21/5), 0930-? 15315, 0130-1930 15084, 1630-2030 11930, 1530-1730 11735, 1630-1730 9033. ES: 0430-0930 Arabic 15315. 1315-1415 Pashto & 1415-1515 Russian 11930. 1530-1630 Turkish 11930 9033. 1730-1800 German 9033. 1730-2030 Arabic 11735. 1800-1830 French & 1830-1930 English 9033. 1930-0130 Persian 15084 9033, 2230-0130 also 9765. Urdu 1215-1315 unconfirmed on 11930 (WBI 22/5) On 21/5 reverted to 9022 ex-9033; Urdu & Pashto 1215-1415 on 11735 now (WBI 29/5)

IRAQ R. Baghdad ES pgms per partial survey: 0730-1030 Persian 11715 9570. 1300-1400 Urdu 11935. 1530-1630 Hebrew 9546. 1600-1900 Persian 1170 9570 3242. 1900-2100 Turkish 3242; fqs subject to continual change. Voice of Masses pgm at 0230-1530 on 9546 ex-9553 (WBI 29/5)

ITALY IBC sta has been testing on 26005, Sundays 0830-1800 (Play-DX via SCDX 3/6)

KALAAALIT NUNAAAT (Cf June LN-6) Grønland Radio 9575 at 1530-1550+, 17/4 (Shinji Kamiya, DSEO)

KOREA SOUTH R. Korea new SP skd as of 16/6: 0200-0230 15375 15570. 0830-0900 9870 11810 15570. 0930-1000 6165 7275 9570 11725. 1700-1730 9720 11830. 2030-2100 6480 9870 15570 (R. Nederland Espacio Diexista 21/6)

LAOS NRL DS from Vientiane on 6130; ES on 7142; regional stns observed in recent survey: Luang Prabang 6998, Pakse 6630, Xieng Khouang 7130 5089 (WBI 12/6) See MALAYSIA below

LIBYA SPLAJBC J80 sked: N&Cm 2200-0100 15235, 2200-0300 11825, 0100-0300 9615. Eu 1000-1500 15415, 1500-2200 15435. NSME 1000-1800 17930, 1800-2200 15450. EAF 1000-1600 17680, 1600-2200 15270. Waf 1000-1700 15425, 1700-2200 15235. Those were 500 kW xmtrs, beamed 310° on 9615 and 300° to Nam; 0° Eu, 80° NSME, 120° EAF, 260° Waf. Also 100 kW, 90° to NSME at 0400-0900 on 9600, 0900-1700 on 11865, 1700-2200 on 9600. However, 15235 is used instead of 9615 (Roger Legge, VA) 11865 has not been confirmed, and 9600 closes around 2245. Other fqs carry DS pgms until 1700, then Voice of the Arab Homeland (WBI 29/5) Cf June LN-6, IRAQ, I blew it!!! 15234/11825 were in fact Libya (Bob Hill, Redwood City CA)

MALAYSIA has drifted up to 6177, allowing separate reception of Houa Phan, Laos on 6174, 1240-1430 (Mike Willis, R. Australia Japanese DX 8/6)

MONACO TWR J80 non-EG: 0400-0515 RS & UK 11930. 0430-0445 Armenian, 0445-0500 Arabic, 0500-0515 (Fri 0530) Turkish on 11700. 0530-0545 Sun Hebrew 11700. 0805-0820 (Sun 0730-) German on 7200. 0805-0820 German 9615 Mon-Sat. 0900-0915 Sun/Fri/Sat 9675 Dutch. 0925-0955 9675 Czech/Slovak/Hungarian. 1005-1020 9615/7200 German. 1045-1100 (Mon-Sat-1115, Thu -1130 /sic/) 7230 French. 1100-1115 Sun 11705 Greek. 1120-1140 Sun/Mon/Wed 5965 Italian. 1200-1215 (Sun-1230) 7260 Spanish. 1300-1400 Sat/Sun 11750 Russian. 1330-1345 Sun/Mon/Fri/Sat 7260 Albanian, Croatian, Serbian. 1345-1400 Sun 7260 Macedonian. 1400-1415 Sat 11750 Yiddish. 1430-1500 7195 German (1st Wed is Swiss). 1430-1500 9670 German. 1505-1520 Ukrainian & Russian, and 1520-1625 Russian & Ukrainian /sic/ on 11750. 1530-1600 9650 Polish. 1605-1630 Norwegian & Swedish, 1630-1700 Romanian, 1700-1745 Hungarian, Croatian, Czech, Slovak; all on 9670. 1705-1730 11835 Norwegian, Swedish. 1735-1805 Estonian, Latvian, Lithuanian; 1805-1835 Ukrainian, Russian, White Russian, 1835-1905 Russian, all on 11835. 1980 (Mon/Tue/Wed 1900)-2000 German on 9670 (via Wolfgang BÜschel, W. Germany) Blame TWR for the complexity of it all... (gh)

MOROCCO The AR DS of Rabat is now relayed from Tangier: 1000-1100 15360 15335. 1100-1700 on 21735 15360 15335; 1700-1900 21735 15335 15155; 1900-2400 21735 15335 9540; 0000-0100 21735 15335 (WBI 12/6)

MOZAMBIQUE The 19m outlet continues unstable between 15280 and 15425 about 5 kHz per day, but 15315 is the most popular, 0600-1000 fair-poor. 9600 no longer used for Emissora Interprovin-

cial de Maputo e Gaza, but it is for the external service 1100-1130; EIMG on 3338 4925 until 2210* (Richard Ginbey, RN DX Juke Box 12/6) Nat'l pgn now on 15302 //9618 11814 during GMT days; another 6 kHz shift (QTH Africa 20/5) more, LN-13 /more, LN-13

NAMIBIA The two 100 kW xmters, 15km E of Windhoek, are to come into operation in July. Fqs used will be in the 31 and 41mb daytime GMT, and in the 75 and 90 mb nights. Two aeriels, one omnidirectional, one directional, to ensure maximum coverage. No external service is contemplated, as the SABC says, 'the aim of the service is to provide a 24h service to cover the entire territory of Namibia and to supplement the existing FM services' (SABC via QTH Africa 30/5) I wouldn't be surprised if they use some of the same fqs SABC has on SW; likely place to find out is the R. RSA DX pgn; I wouldn't be surprised if Pieter Martins picks the fqs(gh)

NEPAL Kathmandu down to 9588, drifting from nom. 9590, but better here 1255 local mx // better 3425, 21/5 (Willis & Padula, Yarram, Vic., ADXN) Now using 7165 ex-3425 for all xmsns, // 9590 (Alok Das Gupta, Calcutta, India, ADXN)

NIGERIA LN-13

NETHERLANDS ANTILLES On 8/6 I hrd TWR testing on 11890 0030-0043, EZ listening mx, anmt at beginning and end (David Crichton, Germantown TN) Fine steady signal testing 0010-0040, to the FE, on 11890 (Leslie Roberts, Baldwinville NY) Uhrd when checked 21/6 (gh) Hrd (Tangredi)

PARAGUAY R. Nacional IS and ID hrd peaking thru DW 26/3 at 2330 on 9735 (Raif Munster, Decatur GA, June RIB) R. Nacional is not active on 9 MHz; hope to have more news soon (Tony Jones, Paraguay, 24/5)

PERU My unID on 6140 in April LN is R. Huayllay, in Huayllay, Pasco, operating OCX4I on 1590 MW and OBZ4P on 6140 SW. Stn is at 4350m above sealevel and xmsns began 15/11/79, per a letter from the stn. Another unID is hrd on 5667, 11/5 (local Sat) to 0126* after 5 mins of Peruvian anthem. Severe QRN, and impossible to catch ID, tho name seemed to have 3 syllables. Reception not possible subsequently due to extreme ute QRM (Tony Jones, Paraguay, 24/5) R. Continental, Arequipa, on 24h sked, noted on 6056 0730-0900 with local and disco selections. R. Victoria, Lima on 6020, hrd 1000-1100; R. América, Lima, 6010 1130-1200+ (Peter Bunn, Melbourne, Victoria, R. Australia Japanese DX Time, May)

PHILIPPINES New outlet is Cebu Broadcasting Corp.; noted on 3115, 2000-1500 in EG & Filipino, call DW7A per anmts (Sei-ichi Hasegawa, Nagoya DX Circle, via June ADXN) MW harmonic? And per WRTH, DY- prefix would apply here; DW- on Luzon only (gh)

PORTUGAL R. Portugal has introduced French, presumably for Canada, at 0030-0100 on 11925 and 15125 (Richard E. Wood, MO) Yes, it is, per sked; other J80 non-EG broadcasts: French: Af 1830-1900 21530 17880; 1730-1800 17880 Suns. Eu 2100-2130 6025. Spanish: SAM 0100-0130 on 15250 11840; Venezuela (note time change) 0230-0300 15185; Eu 2200-2230 6025. German: Eu 2000-2030 6025. Italian: Eu 2130-2200 6025. Portuguese: Venezuela 0000-0230 15185; Sun 1430-1800 21700 1790. EUSA 0100-0300 15125 11925, WUSA 0330-0500 11925 9575. Eu: Mon-Fri 0500-0700 9740 6010, Mon-Fri 1100-1300 17755 15125 11800, Sat/Sun 0800-1800 17755 15125 11800, /daily/ 1800-2230 15125 11800. Macau & Timor 0930-1100 21735 21645. Af: 1100-1300 21700 17880. 1430-1800 Sun 21700. 1900-2100 21530 17880. 1800-2100 Sun 17880, 1900-2100 Sun 21530 Guinea/Cape Verde 1200-1300 & 1900-2100 21700. India Mon-Sat 1400-1600 21530. Brasil Sun 1430-1800 1790 21700, /daily/ 2200-0100 15250 11840. Sometimes the Sunday-only xmsns are also on Sat for sports (via Charles George, Dallas TX)

SPAIN SFR in EG noted on 9360 9530 11775 11945 at 0005-0200 versus 11880 9630 which are now in SP (Rowland F. Archer, Jr., Hillsborough NC, 28/5) They must have gotten their program line feeds reversed! Back to normal when I checked (gh)

SUDAN 5039 was heard at 0400 a few months ago; but 6150 7200 9505 and 11835 not heard in a long time here; has anyone? (Richard Ginbey, RSA, RN DX JB 12/6) R. Omdurman DS in AR recently hrd on 11855 ex-11835; xmsn span not yet established (WBI 5/6)

SWAZILAND TWR on test to Asia, 0000-0100 9515, 0100-0200 11710, 0200-0300 9515 (Wolfgang Bhschel, Stuttgart, W. Germany) Checked here 21/6, and not hrd, but inconclusive (gh)

UGANDA R. Uganda anc'd 20/5 that it was testing from Kampala: 0600-1530 (Sat 1345, Sun 1415) on 7195. 0300-0545 & 1600 (Sat 1400, Sun 1430)-2100 on 5026, asking for reception quality reports (WBI 22/5)

UNITED ARAB EMIRATES Tests continue on new 21700, Arabic relay 0600-1100 (Arthur Cushman, NZ) ex-21485, to apx 1015 (exc Fridays) with DS relay (WBI 29/5) For several days, reverted to 21485, but returned to 21700 9/6; 0700-1015 apx (exc Fri), occasional EG anmts; on 11/6 UAE Radio testing a second channel, 17775 //21700 to 0900; 21 MHz continued to 1032 (WBI 12/6)

URUGUAY R. La Voz de Artigas, says in a questionnaire returned to WRTH that they have a SW xmtcr of 5 kW on 4945 with the call CVA-2117, 1000-0300; also plan another SW xmtcr on the 49mb (WNR DX World 8/6) Southern Cone DXers have previously vehemently denied that 60mb operations from Uruguay are broadcasts, but instead PTP links; who cares? (gh)

U S A AFRTS hrd with US nx at 1030 on 6540 USB (Jochen May, W. Germany, SCDX 20/5) AFRTS-W says they know nothing of any SSB xmsns; I suspect that various US military 2-way communications centres put AFRTS audio on, which they may have handy going thru their terminals, as a convenient modulation marker. By the way, AFRTS (inband) SW xmtcr costs run to \$500,000 a year (gh) WVLI, Waterville ME /I'll bet lots of TV stns have been wanting to buy that call! rarely heard here on fundamental 1490, but often on 2980, 2nd harmonic (Doug Jaffe, Mtlpr VT) Not exactly SW, but if you can tune to 3756000 or 3755600 kHz, you may hear RKO network news on sudan and half hour in a test from Westar satellite (gh)

U S S R R. Yerevan pgm on new 11805 *2131 1/6, Armenian, retimed or new service, but Brazil co-channel QRM (Bob Padula, Victoria) R. Moscow's only Zulu service is at 1730-1800 on 17785 17765 15520 15230 12055 (WBI 12/6) Rather Peking-sounding fqs, some of those... (gh)

VANUATU is the spelling on their QSL card; R. Vanuatu slogan used, hrd on 7260 and 3945 in FR & EG; address: P.O. Box 49, Port Vila (John C. Onken, Roanoke IL) Because of the secession of Espiritu Santo and various other problems, the independence of the New Hebrides has been postponed until July 30, just about as late as it could be in the May-July timeframe previously agreed to (Pacific Islands Monthly, May, via Bob Bodell, OR) The rebel station is again being heard, on 3990, but only in the mornings, 1930-2030 GMT (Arthur Cashion, NZ, 16/6)

VENEZUELA (Cf June LN-8) The govt-owned R. Nacional stopped operations 1/1 due to lack of money. Raul Torrealba Alvarez, director, made the amnt. He described this as an unprecedented measure, and that there were plans to expand RN to other regions of the country. Torrealba Alvarez also said RN's closing is a blow to Venezuela's culture, and it escapes all logic (via Allen Lesser, DC, May GO-DX) What became of R. Universo 4880? (Doug Jaffe, VT, 4/6)

VIETNAM VOV reported that the Vietnam RSTV Comm had a ceremony 14/5 to inaugurate 'VN-1' xmttr stn built with assistance from USSR--a 'modern, compact project comprising many high-powered MW and SW xmttrs' which took 3 years to build. R. Moscow reported 19/5 that the centre, in a Hanoi suburb, had been brought into full service that very day. (WBI 22/5) /on 9580 ADXN

ZAMBIA Lusaka hrd again with bird IS 1450, 1455 s/on; time varies; 21/5 (Willis & Padula, /
ZIMBABWE ZBC reactivated 2nd 120mb fq, 2336, 1700-2200 //3396 General service; 2425 at same time carries R. Jacaranda pgm (QTH Africa 30/5) 2336 a test, hrd twice only; off (QTH Africa)

FUTURE PLANS

FINLAND Yleisradio, FBC, reported 30/5 that it had been proposed that the audibility of Finnish SW xmsns abroad should be improved. The Diet's Social Affairs Committee and the Seamen's Service Office had proposed in a letter to the Minister of Comms that the SW stn at Porli be rebuilt in order to improve audibility. They proposed that the Ministry set aside 3 million Finnish marks in next year's budget for the preliminary planning of a new SW stn, which would cost altogether nearly 50 million marks. FBC had asked MinCom for funds to plan the stn some five years ago; not granted (WBI 5/6)

INDIA AIR reported 28/5 that among plans to improve audibility of its net in the northeast, Shillong will have a new 50 kW SW xmttr (WBI 5/6)

LEBANON The Voice of Hope, Station 'WORD', High Adventure Ministries will soon supplement its 25 kW MW xmttr with SW, capable of reaching the world (IA Times via Tribune-Review 25/5 via Chuck Kristan, Delmont PA, via July REVIEW OF INTERNATIONAL BROADCASTING)

LESOTHO R. Lesotho has 3 powerful SW xmttrs under construction; to be in operation in a couple of months (Richard Ginbey, RSA, RN DX Duke Box 12/6)

SOUTH AFRICA R. RSA will introduce a South American service in Spanish and Portuguese in Sept 1980, per a parliamentary amnt (Richard Ginbey, RSA, RN DXJB 12/6) I'll bet in the 2200-0200 period on familiar fqs; doesn't appear in advance skeds (gh) Capital Radio, Transkei will soon have SW to Johannesburg and Pretoria (Ginbey, ibid.) Present SW going the other way, for Cape Town (gh) The sudden resignation of three Capital Radio executives has led to speculation that the stn may be wholly taken over by the Transkei Government soon. A member of the staff said there would 'definitely be a mass walkout if the govt made any attempt to take over the stn' (Val Carter-Johnson, Sunday Times, via QTH Africa 20/5)

SRI LANKA Per the 1980 DW Handbuch, the SW relay here will use three 250 kW units; negotiations to date have been 'extremely encouraging'. (Philip Harrison, June ADXN)

SURINAM (Cf June LN-7) R. Apintie, a commercial stn, wants to begin xmsns to the Netherlands --the director, Eddy Vervuurt, says reception of recent tests was good. The National Military Council of Surinam is planning to make daily broadcasts to the Netherlands over SW via the SRS with the first pgms planned for August, as part of a campaign to encourage immigrants from Surinam living in the Netherlands to return. R. Apintie on 4794; SRS on 4850 (NRC Handelsblad, via Max Arnhem, Netherlands, via SCDX 20/5)

U S A (Cf Feb LN-9, Apr LN-11) The permission process for WRNO New Orleans to go on SW continues. The application was cleared by IRAC as of 22/4; approval was still needed from ECAC; then it would be presented to the FCC for final review (WRNO via Ken MacLarg, IN)

DX PROGRAMS

CANADA After 2/7 there will be no further DX Digests from RCI on Wednesdays, as the Sunday 1807 broadcast will carry the entire program (the science feature being dropped as it is also carried Weds 1900+), just like the NAM service. It is still in two parts on the European service Suns at 1900+, 2000+. A reminder to all NASWAs that this is the quickest way to get your hot DX news out--except for vacation periods (and the ANARCON weekend), any news I have received by mail or phone by 10 am ET on Friday can be considered for inclusion on the following Sunday's broadcast (gh)

EUROPE European Music Radio's DX program is on Sundays at 0945-1015, 10 watts on 6235/7325 kHz; one hour later during winter (Barry Stephens, EMR, via July RIB)

GUAM YVE's 'DX Listener's Log' debut heard 30/5 0915-0930 good on 11840; was impossible at 0100 on 17855. News of DX conventions, how to keep a log, somehow working into a reading from Revelation, which is one of the required program content items for QSL (gh)

KOREA SOUTH R. Corea is starting a DX program in Spanish, 'Acción DX', from 27/6 on the 2nd & 4th Fridays at 0215, 0845, 0945, 1715, 2045. MADRIDX will be preparing part of it. See LN -5 for fqs (R. Nederland Espacio Diexista 21/6)

MONACO TWR Monaco's DX programs now sked Sats 0845-0900 on 9675; 1500-1515 on 7195; in German all weeks except the third of the month when in English (Wolfgang Büschel, W. Germany)

NETHERLANDS R. Nederland's Spanish DX program on Friday xmsns, Espacio Diexista is running a fun contest, 'Juegue con Nosotros'; for instance on 21/6 listeners were invited to identify an announcer by hearing him cough! (gh) My DX reports air on the 2nd Fridays +GMT Sats (gh)

POLAND R. Polonia hrd GMT Mon 9/6 at 0230 with 'DX Club' pgm in progress on 11815; as it ended 0237, they said it would be repeated all Sundays of June (presumably at same time) and that the next new edition would be July 1. It was not mentioned in a program preview for the 0300 xmsn; time may vary widely (gh)

SRI LANKA The SLBC DX program, 'Radio Monitors International', foresees these program highlights: July 6, Special RCI QSL. July 13, test recordings of AWR, Guatemala (from gh's World of Radio). July 20 Radio broadcasting in Guyana. July 27, Around the world with a radio. Aug 3, 3 SW stations in Dixon. Aug 10, Radio Broadcasting in New Caledonia. Aug 17, Radio broadcasting in Bermuda. Aug 24, Special - Calling Pitcairn Island. Aug 31, VOA Bethany. Full sked in May LN-11, but best chance to hear in NAM is Sun. 1100-1130 on 11835 or 15120 (gh)

TURKEY VOT's DX program has improved a lot, hrd Tue 2230-2245 on 15360, which is doing well here (Joe Tangredi, Las Vegas NV, 27/5) Not here, awful het (gh)

U S A Several SWLs work at WPTF-680 Raleigh NC, so they've decided to dedicate part of their Sunday evening 'Of Special Interest' series to DX! At 9:05 pm ET weekly, and once a month, perhaps on the fourth Sunday for half an hour at 9:30. WPTF is 50 kW, widely heard in NC and to the south. Some excerpts of my 'World of Radio' program may be included. In the New York City area, WOMP-88.1 FM Brockport-Greenvale LI has added another airing of 'World of Radio'--Thursdays at 8:30 pm, for those who have found Fridays 1:30 pm ET inconvenient (gh) KGEI has a DX pgm called 'Dixismo Internacional al Día', produced by Tíndaro Muscará, M/W/F/S/S / probably local days/ in the pgm 'Departiendo con la Juventud', at 2305, 0105, 0805, 1435 on 9615 and 15280 (Tíndaro /sic/ Muscará, SCDX 27/5) Had been reported at 0115 (gh)

U S S R On World Radio Club 1/6, BBC said R. Moscow was about to eliminate its DX pgm, but I still heard it the same day on RM at 1720, 11840 (Ralf Münster, CA) I think they were just referring to Kuznetsov's complaint about it being reduced in the 23/4 program shakeup; however it has not been showing (e.g. 21/6) At the sked time in the NAM svc of 2335, or anytime during that hour; the same goes for many other R. Moscow pgms, which apparently are being purged to allow time for more hard-line propaganda (gh) Later: DX Program noted closing at 1230, one hour later than previously scheduled, on RMWS 22/6, 9600; and Sun 1820 11840; 0620, 0020? (gh)

PROGRAM NEWS

CANADA CBC is airing a new 26-week drama series 'exploring horror, terror and dread,' 'Nightfall' during the final half hour of 'As It Happens', Fridays starting July 4--2230 on 15325 17875, 2330 on 5960 9755. 'Royal Canadian Air Force', GMT Mons 0230 on 9625 6195, has gone off for the season until Oct.5, replaced by 'Farce d'État', cuts from comedy albums beginning with Bob & Ray. And new original Canadian dramas are appearing on 'Soundstage', Suns 2005-2059 on 11720 9625 (CBC via July RIB)

U K O G B A N I Among BBCWS listening for July: A special on the ceremonies surrounding the Queen Mother's Birthday, 15th 1830, 2330, 16th 1030. 'Reflections' on Mondays 0455 0809 2240 features His Holiness Karekin II, Armenian Orthodox leader. 'Brain of Britain' ends and from 12/7 'Take It Or Leave It' (a much less classy quiz) replaces it, Suns 1715, Thurs 0330, 1030. 'East Africa in Perspective', 21st & 28th 1000, 2130; 23rd, 30th 1615. 'The English Poets', Sats 1130, Suns 1830, Tues 0230 deals with Shelley, Tennyson, Browning, Eliot, Yeats & Auden. Prom Concerts are back in season, live at 1830 on July 22, 23, 29, 31 (gh)

ZIMBABWE In a commentary broadcast 30/5, ZBC said its Board of Management had decided to make programming a priority area, so that all pgms meet the needs of the people and reflect the true character of the Republic. As from 1/6, ZBC would launch 15 new pgms including: 'The Worldwide Struggle for Freedom', 'The History of Chimurenga's Sons' and 'With the People'. (The titles were given in the vernacular and are believed to apply to the former 'African Service') (WBI 5/6)

CLANDESTINE CRANNY

Radiyo-e Mujahidin Afghanistan, anti-Soviet station now on 15305 and 9710 at 1600-1700 (Shigenori Aoki, Nagoya DXers Circle via WMR DX World 1/6) Name from Arabic term for 'fighters for the faith'. 9710 blocked here by RAI; 15305 has QRM from R. Moscow Greek & Bulgarian services and jamming. Hrd 9/6 1600-1655: has Koran at opening and 1630, Pashtu talks. The same stn referred to as 'Isha Allah', June LN-11 (Jean-Jacques Bloch, Paris, France)

R. Vatan (R. Homeland) Persian-language 1700-1800 ceased using 15064 29/5, currently heard on 9790 only. First heard 9/5 (WBI 5/6) Back on 15064. Is right-wing, pro-Bakhtiari, per a friend who translated. Assume site in Egypt--there have been press reports of transmitters installed there to broadcast to Iran (Jean-Jacques Bloch, France, 12/6) Not heard here (gh)

Free Voice of Iran (Persian: Seday-e Azad-e Iran) obs 29/5 in progress at 1505 on 9590; subsequently observed daily 1500-1550, varying to 9589.3. Hostile to Khomeyni; a typical transmis-

sion consists of an opening amnt, anthem, commentary, news, press review and closing amnt with anthem. All interspersed with Iranian mx (WBI 5/6) 9590 blocked in Europe (Bloch) Matching above details was an ad in the 22/5 newspaper 'ARA' which describes itself as the 'organ of the Liberation Army of Iran'. It invited listeners to tune into the 'genuine' voice of Iran, daily at 1930 Tehran time on 31.3m, 9.59 MHz, 'the clarion call heralding the glad tidings of liberation' (WBI 12/6)

Voice of Iraqi Kurdistan (Kurdish: Aira Dangi Kordestana Iraqia) obs in progress at 1625 15/5 on 6253, subsequently observed at 1530-1600 in Surani Kurdish; 1600-1615 in Bahdinani Kurdish, 1615-1630 in Arabic, repeated at 0330 on same fq. Stn supports the Kurdistan Democratic Party and is hostile to the present Iraqi govt under Saddam Husayn. A similarly named stn operated 1965-1966, 1968-1970, 1974-1975 and in 1978. This was believed to be a genuine mobile clandestine operation and was controlled by Mustafa Barzani, the late leader of the Kurds (WBI 22/5) Stn carries i.a. reports on skirmishes with Iraqi govt forces in northern Iraq. The 1530 xmsn was extended 25/5 until about 1705, also to do the same 26/5 and 27/5 celebrating the anniversary of the 'national and progressive revolution' of 26/5/76 (WBI 29/5)

Voice of Palestine, Voice of the Palestine Revolution, Arabic-language stn believed in southern Lebanon, anc'd 24/5 that its morn and eve xmsns at 0400-0600 & 1500-1800 were now on 1270. 1143 appears to have ceased for the time being (WBI 5/6) The VOPVOPR service of R. Baghdad is heard on 9546 ex-9553 at 1800-1900 (WBI 29/5) VOPVOPR via Algiers hrd at 1700-1800 on 9640. Also hrd via Angola 'B' pgm Thu & Sat 2130-2200 on 7245 (Jean-Jacques Bloch, France) Hrd Sat 2130 on 4820 3355 (QTH Africa 30/5)

Democratic National Front Radio continues to broadcast in AR 1400-1600 on 6005 (WBI 5/6)

R. Freedom from South Yemen, hostile to the S. Yemeni govt, now on 9960 ex-9953 1130-1430 & 1630-2000 (WBI 29/5) Confirmed, heard at 2000* (Jean-Jacques Bloch, Paris)

V. of the Popular Front for the Liberation of Oman is no longer heard at the former time of 1830-1845 via SPLAJBC Libya (Jean-Jacques Bloch, France, 12/6)

V. of Free Sahara via Algiers now heard daily 2200-2300 on 9640 (Jean-Jacques Bloch, France)

A Voz da Verdade, hrd on 4950 to Angola 2000-2050* with many IDs by M&W around 2030; pgms in PT (Jean-Jacques Bloch, France)

Voice of Free Africa, previously reported as being off the air, perhaps for good, has reappeared 11/5 back on 4764 at usual times 0400-0500 & 1830-1930 with amnts in PT & verns to the effect that the 'struggle continues'. Opening amnt claims it is still operating from inside Mozambique, and in fact the same xmsn mode, USB with full carrier, is used (QTH Africa 20/5) Last hrd on 9/4, again observed in PT & verns 28/5, following former sked (WBI 5/6) Regarding the numerous S. African clandestines, I think their location is rather obvious: the SABC hrd at least 8 x 20 kW SW xmters at Parady, which ceased operation in the early 1970s. They are now probably used for other purposes; most of the fqs are in-band and similar to former SABC channels (Ernie Behr, Kenora, Ont., 1/6)

Revolutionary Voice of Zimbabwe pgm via Rev. Voice of Ethiopia ES on behalf of Patriotic Front no longer hrd at 1900-1945 on 9560, probably discontinued. It had continued to be broadcast for sometime after the independence of Zimbabwe (WBI 5/6)

Voice of the Chilean Resistance via Algiers being heard at 0000 on 21635 (Padula, RA DX 1/6)

R. Sandino Michiel Schaay, Doorn, Netherlands, reports a scoop in the 1/80 Benelux DX Club magazine--a QSL from R. Sandino for a broadcast 9/7/79 while it was a clandestine stn on 7588 kHz. They filled in a prepared card showing that a 50 kW RCA xmt was used, and added their rubber stamp with a portrait of Sandino. Altho R. Sandino can now be reached easily by mail at Paseo Tiscapa, Managua, when the report was sent it had to be routed thru a Dutch committee which was supporting the FSLN, and a radio correspondent travelling to Nicaragua. An accompanying letter with the QSL was signed by Martha Regina Arguello V. (gh)

Voice of the Special Anticomunist Guerrilla Forces, first reported by the ACAN news agency, was observed in progress 14/5 at 0214 on 6000 kHz, claiming to broadcast from Nicaragua and carrying anti-Communist material hostile to the Sandinist govt. 14/5 xmsn ended at 0244. A similar broadcast obs 15/5 0114 until swamped by other stns 0255. A R. America report from Tegucigalpa 16/5 said there were strong suspicions that the stn was operating from San Pedro Sula, Honduras. Investigations were underway to determine who was responsible, since the military govt could not lend itself 'to a conspiracy of this kind'. It was presumably located in the Rio Piedras neighbourhood of SPS. If investigations carried out by police there lead to the location of the stn, the persons involved would be severely punished. (Ed. Note: the fq and QTH coincide with that of R. Swan). ACAN reported from Managua that the Nicaraguan newspaper 'Barricada' stated 18/5 that a cland had been broadcasting proclamations against the Nicaraguan govt and had been dismantled in Honduras, in Rio Piedras on the outskirts of San Pedro Sula. It said a Cuban-North American named Prudencio Nodarse was listed as the person who operated the clandestine stn's xmsn plant which had broadcast the SW pgm. He had also operated the stn 'The Swan' (El Cisne) (WBI 22/5) Nevertheless, the stn I heard before on 6015, was again hrd 6/6 on 6000 at 1043, SIO 333; 'La Voz Anticomunista....' (Jack Jones, MS) I hope you heard Chris Lobdell's tape of this I played on RCI and RN DX programs (gh)

R. Antorchas Martiana & R. 1450 noted on 7081v 13/4 1700-1716 and other times (Crawford & Krueger, FL, NNRC) Both Brigade 1450 and Torch of Martí are old established organizations in the Cuban exile community (Havana Moon, June NNRC)

R. Habana Cuba, a clandestine on AM 7091v at 0042-0052 12/4; on 7070x 0103* 11/4, M&W, guitar and marimba mx. This one does not appear to be a hoax--it is a genuine clandestine with a confusing ID (John Santosuosso, June NNRG)

R. Abdala is backed by a rather large and active organization of Cuban expatriates. Dedicated to overthrowing the present govt of Cuba, the Agrupación Abdala is running a truly clandestine stn from within the US with 5 hours of xmsns to Cuba weekly. This is all funded by Abdala out of its New York HQ. Their slogan "Volveremos" (we shall return) is a play on Castro's "Venceremos" (we shall overcome). Operating around 7080 kHz, R. Abdala has recently established three new xmtr sites after Castrista agents supposedly burned down the stn, forcing them off the air. Abdala claimed this was proof that their signals were reaching Cuba and are 'weakening Cuba's internal security and endangering the dictatorial system', or why else would Castro want them off the air? R. Abdala came back on the air in Sept. 1979, claiming to have four different xmtr sites, with an intensified campaign of anti-Castro propaganda towards Cuba. As of Oct. 1979, Abdala claimed to have carried out over 600 hours of broadcast time, and said they knew they were being received in Cuba because of reports received by people arriving from Cuba who say they are being received well in Matanzas and northern Las Villas. Abdala admits that they are transmitting from the US and it seems that the likely QTH is Miami (Abdala's Secretario Nacional was quoted as saying the Castrista burning of their equipment was 'perpetuado en Miami!'). The reason for installing the other three aux xmtr sites is to avoid being off the air in the future should another attempt be made on the stn (or if the FCC should visit...) From a picture of the equipment which was supposedly burned at R. Abdala, it appears they are using an old Hammarlund receiver and a Collins AM/CW xmtr, looking much like your typical novice ham set-up. The antenna is probably nothing more than a dipole and power output around 100 watts. Even without an amplifier they should have no difficulty in covering the distance to Cuba. The fact that R. Abdala continues on the air, maintaining a schedule of every Mon, Wed, Thu, Fri at 8-9 pm and Suns 6 pm (ET) might be an indication of, with our current policy re Cuba, at least a tacit approval by WASHINGTON (or even CIA involvement). If you should hear R. Abdala and would like to try verifying it, try this address: R. Abdala, c/o Secretario Nacional de la Sección Cuba Enrique G. Encinosa, Agrupación Abdala, GPO Box 1883, New York NY 10001. Reports should be in Spanish, tho English would probably be OK. This article is based on info in the Jan & Oct 1979 issues of Abdala's Spanish lang newspaper, translated by the author (Kevin Szot, Vacaville CA). R. Abdala (the most irregular of the LVJPC-RLC-Abdala trio) hrd 26/5 0332-0341* on 7076. Audio was so poor that I thought they might be transmitting from a submarine or perhaps a garbage can! Both a man and woman were at mike (Reinstein, FL)

La Voz de la Junta Patriótica Cubana (cf June LN-10 under Abdala) is the correct name of the stn on 7400, hrd at *0200 21/5, 23/5, 24/5, 25/5; on 24/5 the host IDed himself as 'Comandante Víctor Morán', quite predictable format of march mx, anti-Castro monolog; s/off usually around 0225; audio quality the best I've heard yet from these clandestine Cubans (Steven Reinstein, Miramar FL) First hrd 21/5 on 7400v, anc'd nightly 10-10:30 pm sked; jammed heavily after first night, but audible partly nevertheless; 200% clipped AM, ham/PTP gear. Theme song is martial/MOR group vocal, sounding like the 'no' song in the PQ referendum, hi. "Tomorrow we'll be happy...", it goes. Ancr prattles on predictably. Jamming is RTTY and frivolous SSBers. On 24/5 one SSBer called 'Atención, Supermán, aquí R. Falcón' 3 times, very excited (Richard Stoller, LINY) Hrd 27/5 on 7400 0443-0454*, very professional, with impassioned talks by a man about 'la hora de liberación', and 'la Cuba de mañana'. Frequent IDs, mentioning fq, and seemingly nonpolitical Latin pop mx (Joe Tangredi, Las Vegas NV, 27/5) Hrd 8/6 0307-0327* on about 7408; short anti-Fidel speech, several uninterrupted songs, 0325, ID and anti-Castro anmt then presumed version of Cuban anthem; very pro sound and very good signal, SIO 444 (Mike MacCollum IN) Hrd almost every night 0200 on 7380-7400v, also IDing as La Voz de la República Patriótica Cubana; often has imperfect modulation. 29/5 0208 this was on 7380 at the same time that R. Libertad Cubana 'Comandante David' was on 7090 working hams. 5/6 0225 usual s/off anmt but they stayed on with various LA mx and periodic IDs; 6/6 s/on half an hour late, and stayed on with mx, IDs after 0300 s/off (SWNS) Measured here around 7399.8, 20/6 0205 ID with theme mx by Dvořák, 0216 march, 0219 said would be back at 11 pm with 'Ventana al Mundo' pgm; audio cut leaving weaker audio gradually increasing (gh)

R. Libertad Cubana 7085-7089v, has transmitted virtually every night in May, *0100v. 25/5, Comandante David QSOd hams for reception reports; talked with AROs in Costa Rica and Ontario, while announcing 7089 as fq. After extensive monitoring of this, LVJPC and Abdala, I have noticed that all three play the same version of a march with the words 'libertad y verdad' in every verse. They may all be related, or possibly, but not probably the same stn. All three suffer the same audio problems now and then; and I have never heard any two of them transmitting at the same time (Steven Reinstein, FL) Once in '79 I hrd Com. David calling 'CQ Concurso' and 'Libertad contra comunismo, QRZ?' and he was giving numbers to calling SSBers (Stoller, NY) Many of the RLC xmsns are taped and broadcast from several xmtr sites. The 'live' xmsns are from a fixed and secure location. Security is possibly due to Dirección General de Inteligencia (Cuban intelligence service) QRM, KGB trained; there is no apparent concern in regards to the FCC. Several weeks before the exodus of Cuban citizens to the Peruvian embassy, RLC was urging people of Cuba to seek refuge at this and other embassies (Havana Moon, June NNRG) Hundreds of thousands of Cubans gather around their radios to hear his vitriolic half hour broadcasts, at 9 pm Mon/Wed/Fri and 1 pm Sun. Exiles indicate he is heard all over the island, inspires sabotage, and reports in advance on what will happen. He has become the symbol of anti-Castro feelings and is the top radio personality in Cuba (Ivan A. Castro, Miami Herald 7/5)

Numbers 25/5 on 14965 hrd a set in progress 2106-2118* and 2136-2159*. The man gave 4-5 digit numbers, repeated twice, and concluded with 'End of Information', then a high screeching sound (Shawn McDaniel, IN) At 0035 13/6 on 5015a I hear "Hatah" said by woman, then tape splice with man immediately saying "Nosista", for 2 mins, then German numbers by woman. I am pretty sure the code prefix words have no linguistic meaning, are just identifiers (Greenwood)

Voice of Democratic Kampuchea, in Cambodian hostile to the govt of Cambodia and to Vietnamese involvement there, is observed from xmters believed to be in China: 0400-0455 17705 11725. 0900-0955 15165 11980. 1200-1255 11990 11685 6995 5250. 2330-2425 12450 11685 9470 (WBI29/5)

Voice of the Malayan Revolution is a stn which would bore R. Tirana announcers to death! Good signals around 1500 in EG on 11830 until R.Korea carrier comes on at 1520. I doubt that China has a hand in this (Joe Tangredi, NV) Most reports are that it is in China (gh)

Radio Free Europe continues with an unjammed weekly English 'Commentary' Fris 2050-2100 on 15420, which is only on the air for this xmsn; it is also presumably carried on all the fqs of the Czech/Slovak service on the air at that hour, which are jammed: 7255 9725 11825 15255 17835 21665 21720 (gh)

France The three most political of France's pirate radio stns were laid waste by riot police on a single day last week. Thousands of pounds worth of equipment was taken away. Two of them were run by the Communist-dominated Confédération Générale du Travail (CGT). They were generally recognized to be doing an honourable local radio job as well as promoting their political and labour aims. The third, R. Paris 80, espoused all the current popular causes--the ecology/sic/, student protest, women, prisoners and homosexuals--in a lively programme. The purchase of a powerful transmitter had just enabled it to capture audiences throughout the French capital. It was invaded by 150 riot police soon after going off the air at 2 a.m. Four hours later it was the turn of the small town of Aubry, a suburb of Douai and HQ of the CGT's 'R. Quinquin'. At 6 a.m., 12 companies of riot police surrounded the town. Electricity and telephones were cut off. By the time the assault took place on the CGT 'Lorraine Heart of Steel' stn at Nancy, in the afternoon of the same day, the word had got round and the police were greeted by a hail of projectiles. Violence and tear gas were used to complete the operation. The overkill employed in the three operations was clearly intended to discourage other such initiatives during the runup to next year's presidential election. The State radio monopoly is a powerful weapon in the hands of the Govt (Anne Singleton, Paris, (London) Sunday Telegraph, June 8 via Syd Osterman) France-Inter reported 4/6 that police had carried out an operation against at least four pirates /the above plus R. Libre Militante/ in accordance with the law of 7/8/74 on state monopoly of broadcasting. A report on 9/6 said the mayor of Aubry (Nord department) had been charged with aiding and abetting R. Quinquin which had broadcast from his locality (WBI 12/6)

"VOCA" I would like to inform NASWAs of the starting of a licensed/sic/ SW stn on 26080 called VOCA, broadcasting at 0300-0400 daily to Europe (0300-0315), Australia (0315-0330) and N & SA (0330-0400). Power 100 watts; began 17/5 with 4 watt test at 1600, 1700, 1800, 2100 for 5 mins only. 30/5, a few test around 1500 and normal sked broadcast 31/5 at 0300. Regular sked broadcast began 8/6 GMT and will continue thru mid-August, then in late August the broadcast will continue. Our locations are Ocracoke NC in the summer and near Campobello SC from late August. All reception reports are to be mailed to VBI, International Service of VOCA Radio, 22 Windemere Dr., Greenville SC 29615. No reports in SW club bulletins will be accepted and no reports of less than 10 mins will be accepted (VBI, Greenville SC, 10/6)

"WARG" All these reports concern their 26/5 broadcast (gh) *0445-0513; before s/on they said "hang onto your hats, WARG will be on the air in a few minutes". Played songs 'Refugee', '3 Dog Night', 'Money'; please QSL (Shawn McDaniel, 4645 N. Oakdale Dr., Rolling Prairie IN 46371) Hrd 0600-0730+ on 5957 /sic--you mean 6957?/ Rock mx requests, usual phone. Said QSLs would be sent out at end of June; I won a silk screen WARG T-shirt. Said they were using 'very good equipment', and 'a lot' of power. Said they had callers from California with good reception; the last time they were on before 26/5 was 20/4; only tentative sked possible is on weekends at 0500-0800+, possibly signing on earlier. Reception is very good with improved audio; very little QRM, should be easy to find (John Pavelka, Pittsford NY) 6960, 0515-0830*, strong but modulation not all that great. T-shirt says 'I Love WARG'; in another contest, somebody from Montana won 3 record albums; heard other NASWA members' names mentioned. What is this "FRC" they refer to? (Gary Diekmann, Parkersburg IA) Free Radio Campaign, R.D.#2, Box 542, Westcosville PA 18106--via which we urge all QSL traffic to be handled, not in the pages of FRENDX (gh) *0500-0830* on 6955, overmod at start but better later. Said that due to magazine articles (May 18 Newsday, Long Island), WONS will not be on the air again (John C.F. Kegel, Baltimore MD) Newsday said WARG was at Selden, 30 mi E of me, on 1615 kHz. A friend has somewhat incoherent info on a pirate his friend's cousin was supposedly running on a 6 MHz SW fq, with 2 kW. It does seem to fit. And remember how WARG and WONS appeared at the same time? They claim separate identities (Richard Stoller, Old Bethpage LINY)

"WLEU", 108.5 MHz, the FM reincarnation of dormant WLAU-1615 (in the Newsday article--did it ever exist?), hrd 13/6 0100-0435*, very loud, excellent audio, dbx expansion/compression system, even in well-separated stereo! Laurelton is 20 mi W of me (Richard Stoller, LINY)

R. Clandestine Re my 30/3 logging of this stn, the address of Box 100, New York NY is incorrect; in fact according to the PO which returned my letter, the address does not exist. Not only is some of their programming in poor taste, so are their practical jokes! (Don Moore, PA)

"WBLO" noted on 6022a 27/5 until 0230*; easy copy until AFRTS splatter began from 6030 at 0205. At 0207 had satire on SF novel; at s/off claimed a probably fictitious address in Atlanta. All pgms seemed British-produced (SWNS) Hrd 31/5 on 3875 0445-0548*, slick format including professional singing ID, "WBLO, Atlanta". Comedy album, rock. S-5, high quality audio, occasional ham tried to blast him out (Rowland F. Archer, Jr., Hillsborough NC) 31/5, strong, 0433-0550*; at times QRM from another stn playing folk song; 0542 John Wayne imitation (Mike MacCollum, IN)

R. Indiana hrd 7/6 0515-0523* on apx 6250; few songs and several IDs, giving FRC-USA address, SIO 343 (Mike Mac Collum IN)
R. Confusion, LN-13

"KVHF" Tentative, on 6420a 7/6 0747-0756; all I could hear was the mx, and the QRM was too strong to hear even that very well, so I tuned out before hearing one of the IDs which are usually given every half hour, tho not necessarily on the half hour; SIO 222 (Mike MacCollum, IN) Was fairly active Memorial Day weekend; hrd 25/5 on 6420 from 0911, s/off at 0919, but hrd again at 0944, ID 0947; back on again; at 1011 played 'It's Alright', 'Musical Clock', theme from R. Sweden (from 'Midsummer Vigil' by Hugo Alfvén), and 'A Summer Place'; also hrd 26/5 and 27/5 with good to excellent signal and excellent modulation. Please QSL (John C.F. Kegel, 6517 Brook Ave., Baltimore MD 21206)

Syncm-48/41, hrd 25/5 *0357-0418* on 7360, after using 6280 from around 0300 and signing off suddenly after FCC tracer was spotted on fq. 7360 off just as suddenly in mid-sentence (Kegel) Voice of the Pyramids 1/6 0405-0412 on 6240, pop mx and ID thrice w/fq (John C.F. Kegel, MD)

Alderaan stations: 26/5 Moonshine Radio on 6315 around 0447, good audio, good signal. Heard 'Band on the Run'; asked for requests to addr. in PA. Announcers Billy Bones and Johnny Black beard despise disco and won't play it. Mentioned sister stations Pioneer Radio and Green River Radio; around 0509, a DX pgm with very routine logs of Eu stns. Around 0520, I found G.R.R. and P.R. on 7355 and 7370 resp. Very poor audio, mod on both. Sounded almost identical--same kind of mx and talk. Apologies for tech problems from GRR's Joseph Barnyard. Ancr on Pioneer said they were "broadcasting from somewhere out in the S. Pacific". I'd say they were somewhere out to lunch. Addr of FRC-USA given several times. I don't understand this duplication. If the ABC were smart, they'd pool their energies and resources and create one worthwhile station instead of three crummy ones. Jeez! If not offended by this, I'd appreciate QSLs; thanks in advance. May the Force be with you! (Joe Tangredi, 3180 Bel Air Dr., Las Vegas NV 89109)

IN MY OPINION

(Ernie Behr, Kenora, Ont.) Three to four pages a month in FRENDX are being wasted on this pirate nonsense, which is of little value to be, pirates and illegal hams are not broadcasters, and should not be confused with genuine Clandestines, either. You have said, 'the role of LN is to document what is actually on the air, legal or not'; but I'm afraid it's not really working out that way. Most of these kooks only want to see the name of their 'stn' in a DX publication, and in some cases they don't even need a transmitter to play their dumb, little game. They can get world-wide attention by simply calling gh and giving him a phony sked, as some are obviously doing. FRENDX editors and others who are wasting valuable space and time on this garbage are actually creating and increasing the flood of these illegal ops. The situation is getting completely out of hand, and it is high time to put a stop to it, by keeping all pirate news out of FRENDX (and RCI's DX-Digest). NASWA members are paying their fees for the best SWBC bulletin in America--they have a right to expect 56 pages of genuine SWBC news each month, and should not have to put up with this kindergarten stuff any longer.

(Richard Stoller, NY) We should set up some standards as to what constitutes a real effort, and what is simply sophomoric. How's this?: to be considered worthy of our publications, a stn must be full-carrier AM, play some music (i.e., no stn with a guy talking on and on would be considered) and not cause harmful QRM to another service. Arbitrary? Yes, but the more perceptive readers will note that any system of scrutiny is arbitrary. The system would keep things like 'Illegal hams-6980' out, where they belong. Drunken fishing boats would be ignored. What's left are not the cream of society, but what can you do? Some people may say any system is censorship; but we're not telling people what not to listen to. We'd just be sticking to the concept, which I doubt anybody is against, that NASWA is an SWBC organization.

(Ed Stone, New York NY) I have mixed feelings about Clandestine Cranny. You seem to be putting a lot of effort into it--enormous. Is it worth it? (Re: Ralph Perry's article in May FRENDX). A political clandestine is worth listening to, but who wants a bunch of Space Cadets cluttering up the SWBC bands with a lot of scratchy rock records, giggling obscenities and idle chatter? Requesting QSLs just encourages them and gives them the only thing many hobby pirates want anyway--attention. I think you could use the space for other items.

gh: This is all good food for thought. Before making a decision, I would like to hear from more NASWans on this--would anybody defend publishing pirate news this vehemently?

(Robert La Rose, SWNS) Shortwave Radar Notes. During my stay in Denmark (1973), I heard signals on several occasions that bear a very strong resemblance to the description recently published in FRENDX (May). I concluded from the frequencies used and the strength that the source was likely in the UK: I have read that OTHR experiments were being done from Orford-

ness. These signals were very strong in Copenhagen: the bandwidth was variable (even during reception) and was on the order of tens and up to a few hundred kHz. It distinctly sounded like the 60 Hz hum described. On at least one occasion I definitely remember them using SWBC bands: I recall one instance when the upper portion of the 25mb was obliterated.

TIME JUMPS

Dates for DST in the Northern Hemisphere; * indicates not yet official.
 27 April-25 Oct USA, Baja California, Canada, Bahamas, Bermuda, Jamaica and Turks & Caicos *.
 6 Apr-27 Sept: Austria, Belgium, Czechoslovakia, France, Denmark, E & W Germany, Luxembourg, Italy, Monaco, Netherlands, Norway, Poland, Spain, Switzerland, Romania, Greece, Cyprus, Greenland, Guadeloupe, Hungary, Martinique, Portugal, Canary Islands /I'm sure Switzerland is not on DST, and I think Portugal isn't -gh/
 21 Mar-22 Sept: Iran GMT+4½.
 16 Mar-25 Oct: Great Britain & Ireland. 31 Mar-20 Sept: Malta. 25 Apr-30 Oct: Algeria. 1 Apr-30 Sept: Bulgaria. 16 Mar-11 Oct: Cuba. 1 May-30 Sept: Albania* 11 May-19 Oct: Hong Kong. 1 May-31 July: Morocco* 30 Jun-30 Sept: Taiwan* (Bryan Clark, May New Zealand DX Times)

PUBLICATIONS

REVIEW OF INTERNATIONAL BROADCASTING is a monthly magazine of, by and for shortwave listeners, edited by gh. The July issue, samples of which are still available to those writing immediately, contains a 6-page listing by time of recommended shortwave (and some widely heard MW) programs thruout the week, 'Shows We Like' --the 'TV Guide' of shortwave, unavailable anywhere else. Also, many pages each month are devoted to 'Listener Insights on Programming'--reviews and comments on programming both from the major broadcasters and 'DX' stations. Plus, articles on a wide variety of topics, 'Don't you believe' listings of erroneous info published or broadcast, and complete transcripts of gh's DX news for RCI DX Digest. You think you're getting all you need to know about SW with FRENDX? Not after you've seen RIB, which is too valuable to give away. Samples only \$1 in North America, 7 IRCs or \$1.35 elsewhere. 12-issue subscription \$12 in North America, \$13 overseas, and \$16.50 overseas airmail. US funds only, please, payable to Glenn Hauser. The an independent publication, RIB reader/contributors feel it functions more like a club than the clubs--because of the free interchange of ideas in its pages. Order from: Glenn Hauser, University Radio WUOT, Knoxville, TN 37916 (gh)

FM Atlas & Station Directory is the guide to FM stations in North America; extensive info not only on frequencies, calls and locations, but on networks, formats, powers, antenna heights, stereo, SCA, etc., presented in several different listings, including maps. The new 6th edition has just been published, so now is the time to get it: \$4.50 per copy; two or more copies \$3.50 each. Add 50¢ per order for postage; for first-class mailing add \$1 per book. (These prices applicable in USA, perhaps Canada). Order from Bruce F. Elving, FM Atlas, P.O. Box 24, Adolph, MN 55701 (gh)

ARRL Operating Manual was published in June, and for the first time contains a chapter on SWling, written by NASWAN David Newkirk. Price not determined at deadline. Check QST, or inquire from ARRL, 225 Main St., Newington CT 06111 (gh)

Consumer Reports, July has a review of SW radios, believe it or not. Many inaccuracies; Kenwood R-1000 isn't even included; no mention of Radio Shack DX-300 or DX-160 being discontinued. Glad they thought enough people interested in SWL but should've taken more care (Berr NY)

LAST-MINUTE ITEMS

ALGERIA (Cf LN-1) EG 2000 9610 again, ex-9510 (QTH Africa)

CAMEROON R. Cameroon IS, Yaoundé, on 9745 obs well past sked 2210*, FR to 2245v2330 ("10/6)

CANADA RCI has resumed 13m to Eu at 1730-2100, on new 21520 (Noel Green, BBCWRC 22/6)

CONFUSION (Cf Jun LN-15) R. Confusion did show as sked, 23/6 on 14550.0 0102-0207* tho QSYed down and up 0147-0149. Frequent hard-sell ads for FRC-USA, real-time TCs in GMT; plugging a \$19.80 contest for their July broadcast which would consist of IDing 6 tunes with 'crazy' in them; 0150 said had dipole cut exactly to length; answering report from Don Jensen; one of the ancs had distinct down east accent; slogan: "the stn that stands up front in the future"; modulation was quite distorted; fair to good signals (gh)

HUNGARY 'Budapest Jammer' now on 16m, 17/6 & 18/6 R. Budapest barely audible under noise spilling over either side of 17710, 17670-17740; who or what's behind this? (Tom Semesky, Gary IN) Same noted here; I continue to suspect R. Budapest itself--badly maladjusted xmtr, STL (gh)

MOZAMBIQUE Besides wildly drifting 19m outlet, 90mb obs switching irregularly 3210/3230 possibly in attempt to escape TWR 3200, Swazi Music Radio 3223. In 1800-2100 period (QTH Africa 10/6)

NAMIBIA Fqs for new SW svc: non-dir 3270 1615-0515, 7190 0515-1615. Directional (presumably N/S) 4965 at 0300-0615 & 1515-2200; 9650 at 0615-1515; 100 kW each (R. RSA via QTH Africa 10/6)

NIGERIA Gd sig on new 4770, 10/6 0500+; new FRCN fq? nothing there 12/6 (Ed Bromley, Nfld.) Definite Nigerian on 6050 16/6 2240-2311*, Oyo State, Ibadan? (Chris Lobdell, MA) Yes, and 4770 seems to be Kaduna; has Lagos nx 2100; 2300 Nx; IS 2100 different from Lagos (Green WRC)

SWITZERLAND I've noted SRI trying different fqs to NAM at 1315--one day 21520 was stronger than 21570; 7/6 they were on 21585 instead of 21570, still announcing the latter, and back on it the next day; probably due to RFI on 21570; would it be too much trouble for PTT to phone the studio and tell them what frequency they're on? (gh)

URUGUAY SODRE finally hrd in EG 0015, mucho QRM on 11885; anc'd sked 2200-0100 11885, 0115-0400 9515 (Joe Tangredi, Las Vegas NV)

QSL REPORT

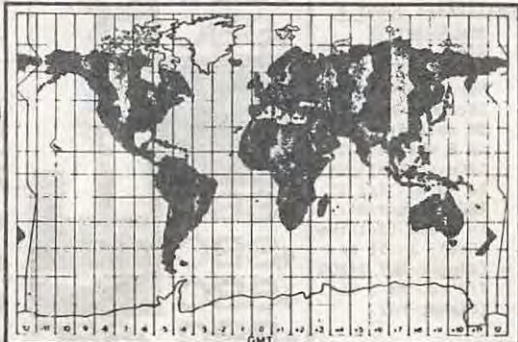
Sam Barto
NASWA QSL Editor
460 Emmett St. B-19
Bristol, Conn. 06010

129 Countries this month
Not too bad gang!

- ADMIRALTY ISLANDS:** R. Manus 3905 f/d cd. in 5 wks. via Boroko for ms. (Leithner-TN).
- AFGHANISTAN:** R. Afghanistan 15076 "Bamyan Buddha" cd. in 3 mo. for 2 IRCs. (Bolitho-ONT).
15075 cd. in 6 mo. for a "pre-war reception" for 3 IRCs. (Kapinos-MA)...Txn for call Kap.
- ANTIGUA:** DW 6040 n/d cd. in 98 ds. (D'Angelo-PA).
- ARGENTINA:** R. Rivadavia 5882 f/d "Owls" cd. in 23 ds. for 1 IRC. v/s Jorge Falcone. (Reitz-KY)
- ARGENTINE ANTARCTICA:** R. Nacional Arcangel San Gabriel 6029 n/d ltr. w/ postcards via the
* RAE in 30 ds. for 1 IRC. v/s Dora de los Santos. (Onken-IL).
- ASCENSION ISLAND:** BBC 15260 n/d cd. in 56 ds. (Reitz-KY). in 26 ds. (Goodson-SC). VOA 21490
f/d "Satellite" cd. in 10 ds. (Gliksman-IL).
- ASIATIC RUSSIA:** R. Moscow via Blagoveshchensk on 11790 f/d cd. in 1 mo. (Meyer-WI). via Kom-
somolsk-on-Amur on 9500 in 48 ds. (Johnston-NY). 9710 w/ "Misha" cd. in 4½ wks. for the
Petropavlovsk-Kamchatsky site. (Meyer-WI). in 48 ds. (Johnston-NY). via Urkutsk (sic) for
Irkutsk on 17880 w/ f/d "50th Anniversary" cd. in 1 mo. (Meyer-WI).
- AUSTRALIA:** VNG 12000 "Melbourne" cd. in 28 ds. (Haysbrook-UT). VLR9 9680 via Lyndhurst f/d
cd. in 60 ds. (House-OH). VLN9 9610 via Perth f/d cd. in 24 ds. for 1 IRC. (Mayer-OH).
- AUSTRIA:** ORF 5945 "Glass Towers" cd. in 45 ds. (Shaver-WY). in 32 ds. (Witte-CA). 9770 f/d
"Art" cd. in 2 mo. (Goodwin-MI). 21655 f/d "ORF Centre" cd. in 45 ds. (Semsky-IN). in 52
ds. (Goodson-SC). 12015 f/d "Adam" cd. in 24 ds. (House-OH). 15560 cd. in 5 mo. (Barto-CT).
- * Austrian Army Training Transmitter (OEY21/OEY52) 6221 f/d cd. w/ station decal in 3 mo.
for an EG rpt. (Saylor-PA).
- AZERBAIJAN:** R. Moscow via Baku on 17825
f/d cd. in 42 ds. (Dittrich-FL). in 1
mo. (Meyer-WI). in 46 ds. (Moore-PA).
- BANGLADESH:** R. Bangladesh 21670 f/d cd.
in 6 mo. for 2 IRCs. v/s Mazbulul
Hosain, Director. (Bolitho-ONT).
- BELGIUM:** BRT 15175 f/d ltr. in 57 ds.
(Mayer-OH). 15385 f/d "Logo" cd. in
60 ds. w/ new red pennant. (Byron-NY)
in 1 mo. (Wallace-MA). in 53 ds. (Sem-
sky-IN). in 32 ds. (Eckman-IL). in
34 ds. w/ pennant and sticker. (Doug-
lass-PA). same in 61 ds. (House-OH).
in 55 ds. w/ transcripts. (Byron-NY).
- BELIZE:** R. Belize 3285 f/d "Map" cd. in 62 ds. for 1 IRC. (Calderwood-CO). "Map" cd. in 15 ds
for 1 IRC. v/s J.A. Johnson, Chief Broadcasting Officer. (Archer-NC). in 88 ds. for ms.
(Hensley-TX). 3300(?) "Map" cd. in 34 ds. v/s S. Abraham, Chief B/Cing Officer (Eckman).
- BONAIRE:** R. Nederland 9770 f/d Man w/ Pipe" cd. in 24 ds. (Goodson-SC). 6165 cd. in 15 ds.
- BRASIL:** R. Bras 15290 f/d cd. in 79 ds. (Goodwin-MI). in 106 ds. w/ sticker (Mayer-OH).
(Mayer-OH). in 106 ds. (Marshall-ND). R. Bandeirantes 6185 cd. in 28 ds. for 1 IRC. (Witte
-CA). Mossoro Radio Sociedade Ltda. 3295 f/d cd. in 1 mo. for a PT rpt. (Field-MI).
- * R. Brasil Central 4985 f/d PT/EG ltr. in 3 wks. for a PT rpt. and 1 IRC. (Reitz-KY).
- * R. Iguatemi 3295 f/d ltr. in 4 mo. on my 3rd try for a PT rpt. v/s Joaquim Dutier Nava-
ro Filho, Director General. Addr:
Av. D. Pedro I, 309 Osasco, SP.
Brasil. CEP 06000. (Field-MI). Rdf.
Taubate 4925 n/d cd. in 23 ds. for
a PT rpt. and ms. (Hoffman-PA).
- BULGARIA:** R. Sofia 11860 cd. in 29 ds.
(Eckman-IL). 9730 cd. in 3 mo. (Field
-MI). 9705 f/d "Zlatni Pyassati" cd.
in 41 ds. (Caranna-VA). 11750 f/d
"Bachkovo Monastery" cd. in 33 ds.
for an EG rpt. (House-OH).
- BURMA:** BBS 5980 and 5040 f/d cd. in 3
* mo. for 1 IRC. (Bishop-PA).
- BYELORUSSIA:** R. Moscow via Minsk on
11745 f/d cd. in 42 ds. (Dittrich-FL)
15150 cd. in 1 mo. (Meyer-WI).

RADIO COOPERATIVA
"LA VOZ DE CHILE"

SANTIAGO DE CHILE
20.3 DE 19.73



RADIO NEDERLAND

NOTE: Remember to contact me as soon as possible if you are planning to attend the New England Area DX Outing (NEADKO) on Sept 7th...Its unbelievable!!!...Sam.

CAMEROUN: R. Yaounde 4850 f/d "Map" cd. in 5 mo. for a PR rpt. and 1 IRC. (Klein-FL).

CANADA: CFGX 6005 via Caughnawaga, PQ n/d green cd. in 50 ds. (Samuel-MAN). in 3 mo. for ms. (Lazarus-LA). in 65 ds. (Cronin-NY). CKZU 6160 via Vancouver. f/d cd. in 2 wks. for 1 IRC which was returned. v/s Jane Carlson. 2500 watts! (Orcutt-CA). CFRX 6070 cd. and sticker in 14 * ds. for 1 IRC. (Mosier-CA). R. Harmonica 6955 f/d QSL cd. #2 in 8 ds. v/s Burnie Turpin. 70 watts! (Kusalik-ONT).

CAPE VERDE: R. Voz de Sao Vicente 3930 n/d cd. in 28 ds. for a PT rpt. and 2 IRCs. My first QSL for a non-EG rpt! (Buer-FL)...Great.

CHILE: R. Nacional de Chile 17800 n/d cd. in 349 ds. for an EG rpt. and 1 IRC. (Eastman-TX). f/d cd. in 321 ds. for 2 IRCs. (Algeri-PA). 17790 cd. in 9 mo. for 1 IRC. (Hesch-NY). R. Agricultura 9630 f/d prepared cd. in 2 mo. (Lobdell-MA).

CANARY ISLANDS: REE via Tenerife on 15365 f/d cd. in 1 mo. (Reitz-KY)...Out of order...sorry.

CHINA: R. Peking 11945 f/d "Kunming Lake" cd. in 18 ds. (Fraser-MA). 4020 "Peihai Park" cd. in 1 mo. (Barto-CT). 9965, 15600, 15180, and 17745 w/ "Great Wall" cd. in 3 wks. (Barto-CT). * Zhejiang PBS 2475 cd. in 1 mo. (Barto-CT). Gansu PBS 5970 via Lanzhou f/d "Great Wall" cd. * in 1 mo. (Klein-FL). Xinjiang PBS 5440 via Urumqi cd. in 1 mo. (Klein-FL). Hunan PBS 4990 via Changsha cd. and pin in 1 mo. (Orcutt-CA). cd. in 1 mo. (Klein-FL). CPBS 7504, 6750 and * 6665 cds. in @ 1 mo. (Barto-CT). 6225 f/d "Tai Ho Hall" cd. in 1 mo. (Klein-FL). Neimon-ggol PBS 6974 f/d cd. in 1 mo. for 1 IRC. (Lazarus-LA). cd. in 1 mo. (Klein-FL). QSL cd. postcards, and program schedules all rcvd. direct from the station in @ 2 mo. R. Peking must of forwarded the rpts. (Barto).

COLOMBIA: R. Sutatenza 5095 cd. in 5 wks for 3 IRCs. (Smith-NY). 5075 f/d cd. in 28 ds. for a SP rpt. v/s Jardany Suarez Ramirez, Gerente General. (Schukai-MO). R. Colosal 4945 long 2 pg ltr. in 20 ds. w/ pennant. v/s Rito Antonia Polo Losada. (Meyer-PERU). Emisora Meridiano 70 4925 ltr. in 32 ds. for a SP rpt. Pennant rcvd (Meyer)

COMORES: R. Comores 3331 f/d B&W cd. in 123 ds. for a cassette tape and 2 IRCs. Proper country * name is The Federal Islamic Republic of the Comores. (Gionet-NB).

COSTA RICA: TIFC 5055 f/d "Microphone" cd. w/ red, white and blue pennant in 26 ds. for EG rpt. and ms. v/s Mary H. Steele. (Hoffman-PA). in 49 ds. (Leite-MA). in 25 ds. (Gionet-NB). in 29 ds. for 2 IRCs. (Smith-NY). R. Noticias del Continente 9490 cd. in 1 mo. (Barto-CT).

CUBA: RHC 11930 f/d "Psychedelic" cd. in 6 mo. for an EG rpt. (Wallace-MA). "Havanna" cd. w/ pennant in 5 mo. (Matthews-OH). 17705 cd. and pennant in 4 mo. (Bishop-PA).

CZECHOSLOVAKIA: R. Prague 7345 "National Costumes" cd. in 76 ds. (Samuel-MAN). "Church" cd. in 62 ds. (Zeichick-ME). f/d "Old Town Square" cd. in 2 mo. (Matthews-OH). 9740 cd. and record in 49 ds. (Zeichick-ME). 5930 cd. in 2 mo. (O'Riordan-ID).

DENMARK: R. Denmark 15165 f/d cd. in 30 ds. for 2 IRCs (Smith-NY). in 22 ds. for 4 IRCs. (Reynolds-NY). in 39 ds. (D'Angelo).

DUBAI (UAE): Dubai R. and Color TV 21485 f/d "World" cd. in 39 ds. v/s Harold Robin, CE. (Schukai-MO). in 30 ds. (Bryant-IL). in 6 wks. for 3 IRCs. (Lobdell-MA). in 40 ds. for 1 IRC. (Fisher-MA). in 5 wks. (Bolitho-ONT). in 51 ds. (Gionet-NB). 21500 f/d cd. in 3 wks. (Bishop-PA).

NEADKO - Sept. 7th!

DUBAI RADIO AND COLOUR TELEVISION

RECEPTION REPORT CONFIRMATION

FREQUENCY 21500 KHZ
DATE 15 MAR 1980
PLACE Reading, Penna. USA

WE HAVE PLEASURE IN CONFIRMING YOUR RECEPTION REPORT

CHIEF ENGINEER

P O Box 198
DUBAI
UNITED ARAB EMIRATES
TEL. 360 BCAST 03

Handwritten:
R. V. Cucura Jr
437 Arlington St
Reading Penna
19611 U.S.A.



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Swiss Broadcasting Corporation
European and Overseas Services

CH-3000 Berne 15

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THREE MILE ISLAND DX CLUB OUTING: You, editor has just returned from a very successful outing in central PA. It was held by Don Moore. The Handicapped Aid Program raised over \$102.00 at the THDXCs first HAP auction. Thank you!

VERIFICATION SIGNERS: R. Educadora Braganca 4825
Irma Maria Jose de Souza. R. 21 de Diciembre
6082 Rene Moya Jimenez, Director. Rdf. Taubate
4925 Emilio Amadei Erighs. R. Turismo 6180
Guillermo Bracamonte, Director. R. Mara 3275
German Montero H. R. Riga 5935 L. Byantseva,
Mailbag Editor.... via PLAY-DX.

ECUADOR: HCJB 26020 f/d "Market" cd. in 29 ds. w/ pennant. for US ms.(Goodson-SC). in 1 mo.(Valko-PA). in 1 mo.(Wallace-MA). in 15 ds.(Smith-ME) "Church" cd. in 3 wks.(Meyer-WI). in 17 ds. for 2 IRCs.(Archer-NC). in 34 ds.(Eckman-IL). All of the above were for 100 watts QRP! 9745 "Cuenca" cd. in 18 ds. w/ pennant.(House-OH). R. Luz y Vida 4851 f/d cd. in 20 ds. v/s Marisol Dominguez.(Meyer-PERU). R. Iria f/d ltr. in 22 ds. for a SP rpt.(Meyer-PERU). Radio Zaracay 3390 ltr. in 18 ds. for a SP rpt.(Meyer-PERU). Ondas Azuayana 4980 f/d ltr. and pennant in 35 ds. for a SP rpt. v/s Dr. Jose A. Cardoso. (Meyer-PERU). same in 3 1/2 mo. for ms.(Bishop-PA). R. Quito 4920 n/d folder cd. in 14 ds. v/s Jose Almeida.(Meyer-PERU) in 28 ds. for 1 IRC.(Eckman-IL). CRE 4765 ltr. in 18 ds. v/s Leonor Pesantes Alava, Secretario.(Meyer-PERU). ERP 3985 f/d form ltr. in 27 ds. for a SP rpt.(Meyer-PERU).

EGYPT: R. Cairo 9475 f/d "River Scene" cd. in 3 mo. for 2 IRCs.(Douglass-PA).
ENGLAND: R. Impact 7325 f/d cd. and a personal ltr. in 48 ds. for a rpt. via Kent Place.
* Station ran only 15 watts!!! (Kusalik-ONT). FRBC 6250 same pretty red and black cd. as * last yr. in 1 mo. Card says 6 kws. - sources say closer to 600 watts.(Barto-CT). Radio * Enoch 6248 f/d cd. in 3 wks. via the FRC.(Barto-CT).

ESTONIA: R. Tallinn 6085 f/d "Outer Towers of Uuru" cd. in 109 ds.(Kusalik-ONT).
ETHIOPIA: Voice Of Revolutionary Ethiopia 7110 f/d cd. in 17 wks. for ms.(Douglass-PA). in 5 mo. for 2 IRCs.(Saylor-PA). in 8 mo. for 2 IRCs.(O'Donnell-PA). in 170 ds. for an EG * rpt. and 1 IRC. from the Audience Relations Officer. Based on my experiences with this station, they require an extremely meticulous report for a QSL.(Gliksman-IL). Thank you.

EUROPEAN RUSSIA: R. Moscow via Tula 9610 f/d cd. in 5 wks.(Orcutt-CA). 21615 cd. in 5 wks. (Meyer-WI). 9610 cd. in 42 ds. (Dittrich-FL).
via Zhigulevsk on 15525 cd. in 1 mo (Meyer-WI). via Moscow on 12075, 15500 and on 15460 cds. in 42 ds. (Dittrich-FL). 6010 cd. in 2 mo. (Kusalik-ONT). 9490 cd. in 1 mo. (O'Riordan-ID). in 5 wks.(Orcutt-CA) via Armavir on 15470 and on 12055 cds. in 42 ds.(Dittrich-FL).

FALKLAND ISLANDS: FIBS 2370 p/d cd. in 3 mo. for 2 IRCs. QSL #14. v/s Margaret J. Kerr, Broadcast Secretary.
* (Lazarus-LA). cd. and ltr. in 50 ds. QSL #16. (Meyer-PERU). cd. in 6 mo. for 2 IRCs. QSL #28.(O'Donnell-PA). cd. for 2 IRCs. QSL #23.(Saylor-PA).

FEDERAL REP. of GERMANY: DM 11865 n/d sticker in 29 ds.(Zeichick-ME).
Sddeutscher Rundfunk 6030 f/d "Studio Site" cd. in 110 ds. for 1 IRC. (Gliksman-IL).

FINLAND: R. Finland 15400 "Spring in Finland" cd. in 51 ds.(Goodson-SC). "Shipbuilding" cd. in 88 ds.(Zeichick-ME). 11755 cd. in 51 ds. and a "Finlandia Hall" cd.(Zeichick-ME).

FRANCE: RFI 25900 f/d "Reseau Express Regional" cd. in 3 wks.(Lobdell-MA) 17850 "Eiffel Tower" cd. in 20 ds. w/ sticker.(Hesch-NY). 21580 cd. in 15 ds.(Cronin-NY). 21645, 21595, 17775, 17720, 17795, 17850, 17860, 21580, 21620, 21675 f/d cds. in 31 ds.(Munster-GA)

via Chris
Lobdell

RADIO
TURISMO



TARJETA DE VERIFICACION

Confirmamos su recepción con fecha 5-12-79 de nuestra emisora RADIO TURISMO en la frecuencia de 6.150 KHz banda internacional de 49 ms Transmisor ubicado 70° 31' longitud Oeste y 15' Latitud Norte 1 kw de potencia.

Gracias por su audiencia

Valera Edo. Trujillo
Venezuela
Radio Turismo
Guillermo Bracamonte

Radio France
International

Be at the NEADXX
on Sept. 7th!



FRENCH GUIANA: FR3 3385 n/d cd. in 45 for 1 IRC. (Fisher-MA). form folder cd. in 50 ds. (Meyer-PERU).

GABON: RTVG 4777 via Libreville f/d folder "Map" cd. in 4 mo. for ms. (O'Donnell-PA). in 6 mo. for a FR rpt. (Saylor-PA). cd. in 33 ds. for 2 IRCs. (Buer-FL). cd. in 247 ds. for ms. (Dittrich-FL).

GALAPAGOS ISLANDS: La Voz de Galapagos 4810 cd. in 120 ds. for an EG rpt. and 2 IRCs. v/s Padre Raul Pinto, Director. (Buer-FL). cd. in 2 mo. for ms. (Leithner-TN). in 2 mo. for 1 IRC. (Reitz-KY). in 39 ds. (Eckman-IL). in 72 ds. for a SP rpt. (Sbordone-FL). in 72 ds. (Calderwood-CO).

GEORGIAN SSR: R. Moscow via Tbilisi 21715 f/d cd. in 53 ds. (Howard-CA). 9795 cd. in 86 ds. for 3 IRCs. (Hensley-TX). 11780 and 21715 cds. in 5 wks. (Meyer-WI).

GERMAN DEMOCRATIC REP: RBI 11975 cd. in 72 ds. (Zeichick-ME). f/d "City" cd. in 60 ds. (Schlaugat-WI). cd. in 81 ds. w/ sticker and pin. (Goodson-SC). 9730 part 4 "Map" cd. in 2 mo.

* (Kapinos-MA). Y3S (old DIZ) 4525 cd. in 7 wks. for 1 IRC. (Kapinos-MA).

GREECE: Voice of Greece 11730 f/d "Platamonas" cd. in 38 ds. (D'Angelo-PA). in 77 ds. (Goodwin-MI). 9515 "Kythera" cd. in 29 ds. (Eckman-IL). in 6 wks. for 2 IRCs. (Douglass-PA).

GREENLAND: Gronsland Radio 5980 f/d folder cd. in 3 mo. for 1 IRC. (O'Donnell-PA).

GUATEMALA: R. Mam 4825 ltr. in 90 ds. for a SP rpt. and 1 IRC. v/s Hermino Perez Lopez. (Glikman-IL). R. Rumbos 2420 (2x1210) ltr. in 7 wks. for a

* SP rpt. v/s Miguel Angel Alfaro. (Barto-CT). R. Miramundo 6158 f/d cd. in 3 wks. for a SP rpt. (Field-MI).

GUYANA: GBS 5950 form ltr. in 25 ds. v/s L.R.E. Case, Chief Engineer. Mr. Case is a stamp collector! (Meyer-PERU). in 35 ds. for 1 IRC. v/s Joy Luke Fraser. (House-OH).

HAITI: Radio 4VEH 11835 "Childrens" cd. in 143 ds. for 2 IRCs v/s Mrs. Edna Beachy, QSL Secretary. (Hesch-NY). f/d cd. in 3 mo. for an EG rpt. (House-OH). son-SC).

HAWAII: WVVH 15000 f/d "Polynesian Boat" cd. in 12 ds. (Good-

HOLLAND: R. Nederlands 17605 via Lopik f/d "Costumes" cd. in 22 ds. for 1 IRC. (Fraser-MA). in 21 ds. (Mosier-CA). in 16 ds. for an EG rpt. (Wallace-MA).

HONDURAS: HRVC 4820 f/d "Logo-Map" cd. in 44 ds. for 2 IRCs. (Schlaugat-WI). in 3 wks. for 2 IRCs. (Smith-NY). in 1 mo.

* for 3 IRCs. (Matthews-OH). R. San Isidro 4845 cd. and ltr. in 2 mo. for a SP rpt. v/s Gladys E. Turcios, Secretaria. (Klein-FL). cd. in 52 ds. for 2 IRCs. (Gionet-NB). f/d ltr. in 50 ds. for a SP rpt. and 2 IRCs. v/s Rev. Lamberto Picado. (Sbordone-FL).

HUNGARY: R. Budapest 11910 f/d cd. in 90 ds. (Mayer-OH). cd. in 1 mo. (Kapinos-MA). in 1 mo. (Leite-MA).

QSL

212 metres Medium Wave
48 metre band Short Wave

QSL

With the compliments of

Radio Enoch

The Voice of People against Marxism

This card verifies that Mr. Samuel Barto heard
me on Christmas Day, 1970 on 6249kHz 7MB/1GB.
STEP 1/4/4/4. Tx Power Input was 4W per input,
2kV per output. QTH Central England.
A 72c from the Chairman of People against Marxism.



RADIO VANUATU

FORMERLY RADIO NEW HEBRIDES
ANCIENNEMENT RADIO NOUVELLES HEBRIDES



Head of slit Gong (Tarr Tam)
from Ambrym Island;
used in village to village communications
and in custom ceremonies.

Q. S. L.

To This card was submitted by
just about everyone who
verified Radio Vanuatu.

I AM PLEASED TO VERIFY YOUR
RECEPTION OF THIS STATION
AT G.M.T. DATE.

ON 3945, 7260 KHz.

I. S. IRVING

For RADIO VANUATU
P.O. Box 49,
PORT VILA
VANUATU (NEW HEBRIDES).

HUNGARY: R. Budapest 17710 f/d "Year of the Child" cd. in 1 mo. This cd. is issued only once a year. (Byron-NY). 9585 f/d cd. in 71 ds. (Douglass-PA).

ICELAND: ISBS 12175 f/d "Autumn Landscape" cd. in 150 ds. for 1 IRC (Gliksman-IL).

INDIA: AIR 11620 via New Delhi cd. in 5 mo for 1 IRC. (Miller-WV). f/d cd. in 6 mo for 3 IRCs. (Timmer-IN). AIR 3355 via Kurseong ltr. in 7 mo. v/s A.P. Sinha, Station Engineer. (Barto-CT). AIR 4850 via Kohima ltr. in 43 ds. for ms. v/s T.P. Singh, Assistant Station Engineer

* (Kusalik-ONT). AIR 3205 via Lucknow f/d ltr. in 5 mo. v/s V.W. Sharma, Assistant Station Engineer. (Field-MI).

IRAN: Voice of Iran 15084 f/d cd. in 64 ds. (Dittrich-FL). in 2 mo. for 2 IRCs. (Dye-MO)

IRAQ: R. Baghdad 9745 cd. in 38 ds. for 3 IRCs. (Sampson-WI). in 52 ds. for 1 IRC. (Miller-WV)

SHREWSBURY OUTING: Don't forget to attend the July 27th outing at the home of John Kapinos in Shrewsbury, Mass. It promises to be a very special event. For further information you can write to John at 86 South Quinsigamond Ave., Shrewsbury, Mass. or call 1-617-798-0378... I know I'll be there Sam.

IRELAND: R. Condor International 11463 f/d ltr. in 1 mo. 100 watts! (Field-MI). ltr. in 1 mo. for 2 IRCs. v/s John Paul Jones (!) (Wallace-MA). f/d ltr. in 26 ds. (Kusalik-ONT).

ISRAEL: IBA 21710, 17870 and 11960 cds. in 45 ds. (Cucura-PA). 11637 "Dead Sea Scrolls" cd. in 40 ds. (House-OH). in 62 ds. for 1 IRC. (Fraser-MA). 7412, 9815, 11620 and 11637 f/d cds. in 27 ds. (Munster-GA). 15585 cd. in 11 wks. (Schukai-MO). 9815 cd. in 54 ds. (Goodson-SC).

ITALY: RAI 9575 f/d "Giorgione" cd. in 122 ds. (Mayer-OH). in 3 1/2 mo. (House-OH). in 6 mo. (Kapinos-MA). in 117 ds. (Moore-PA). in 76 ds. (Goodwin-MI). 11800 cd. in 109 ds. (Cronin-NY).

JAPAN: R. Japan 21640 "Water Lilies" cd. in 13 ds. (Shaver-WY). 17725 cd. in 1 mo. (Kapinos-MA). 17755 cd. in 24 ds. (Eckman-IL). 15195 cd. in 33 ds. (Semsky-IN). 17825 p/d "Pagoda and Lake" cd. in 3 wks. (Matthews-OH). 15235 cd. in 16 ds. (Leite-MA). JJJ 15000 cd. in 2 mo. (O'Donnell-PA). FEN 15260 cd. in 32 ds. (Haysbrook-UT). in 57 ds. (Howard-CA). 11750 cd. in 15 ds. for 2 IRCs. (Witte-CA). in 1 mo. (Orcutt-CA).

JAVA: Voice of Indonesia 11790 "Tanah Lot Temple" cd. in 154 ds. w/ sticker for 1 IRC. (Eckman-IL). in 4 mo. (Bishop-PA). in 152 ds. w/ sticker for 2 IRCs. (Douglass-PA). in 98 ds. (Leite-MA). "Wedding" cd. in 123 ds. for 1 IRC. (Eastman-TX). in 4 mo. for 1 IRC. (Reitz-KY). in 111 ds. (Schmidt-WI). in 9 mo. w/ sticker and pennant. (Field-MI). RRI Surakarta

* 4932 f/d cd. in 46 ds. for an IN rpt. and ms. (Kusalik-ONT). RPKPK Tk2 Sampang 3055 f/d cd. in 40 ds. after 3rd follow-up for an IN rpt. and ms. v/s Drs. Maknun Dasuki. Station is located on Madura Island off Java. (Kusalik-ONT).

KAZAKH: R. Moscow 15220 via Alma Ata f/d cd. in 46 ds. (Moore-PA).

KIRGHIZ: R. Moscow via Frunze on 11820 and on 15535 f/d cd. in 42 ds. (Dittrich-FL). 15535 cd. in 4 1/2 wks. on the "Misha Bear" cd. (Meyer-WI).

KUWAIT: R. Kuwait 21545 folder cd. in 44 ds. for 3 IRCs. (Sampson-WI). 11665 f/d cd. in 40 ds. v/s Jawad El-Maz-eedi, Chief Engineer. (McDaniel-IN).

LAOS: Lao National Radio 7385 via

* Savaankhat ltr in 84 ds. for a FR rpt. and 1 IRC. v/s Chaleune Vong-Sam-Ang, Director. (Glonet-NB). in 3 mo. (O'Donnell-PA) in 2 mo. (Field-MI). 7384 ltr in 83 ds. (Moore-PA).

Acknowledging your reception report dated November 26, 1960 we wish to thank you for your keen interest in our programmes.

It was gratifying to learn that you heard the broadcast of Radio Pyongyang on 6 2/3 from 23.00 to 23.30 in G.M.T..

Radio Pyongyang broadcasts in English twice a day from 00.30 to 1.00 and from 12.30 to 3.00 in G.M.T. on 820, 1080 and 6250 kc/s.

Your further suggestions will be gratefully appreciated.

Respectfully yours,

Korean Central Broadcasting Committee.



LAOS: Lao National Radio 7384 via Savannakhet ltr. in 5 mo. (Vallo-PA).
LATVIA: R. Moscow via Riga on 15200 f/d "Olympic" cd. in 3 mo. Soviet State #15! (O'Donnell).
LEBANON: La Voix du Liban 6550 ltr. in 10 wks. w/ stickers for 2 IRCs. v/s Joseph El-Hashem (Solitho-ONT). f/d ltr. in 54 ds. for 1 IRC. v/s H.A.C. Lemy, for GM. (Gionet-NB).
LESOT Q: LNBS 4800 f/d "Flag" cd. 406 ds. after a follow-up to the Lesotho Embassy in Wash-
 * ington DC. (Bryant-IL)...I'm still trying...Sam.
LIBYA: Libyan Jamahiriya Broadcasting Co. (sic) 9500 f/d "Montage" cd. in 27 ds. (Clark-AZ).
LITHUANIA: R. Vilnius 11770 f/d folder cd. in 3½ mo. (Leal-ONT). 17870 f/d B&W cd. in 125 ds (Calderwood-CO).
LUXEMBOURG: R. Luxembourg 6090 f/d "Towers" cd. in 179 ds. (Leite-MA). in 57 ds. for 2 IRCs. (Cronin-NY). cd. in 31 ds. (Caranna-VA). in 35 ds. for 1 IRC. (Eckman-IL). in 363 ds. for 3 IRCs. (Hensley-TX).
MALAGASY REP: R. Nederlands 11730 f/d cd. in 24 ds. (D'Angelo).
MALAYSIA: R. TV Malaysia 7295 and 9665 f/d "Garden City" cd. in 40 ds. for 1 IRC. (Dittrich-FL). 9665 cd. in 30 ds. for 1 IRC. (Witte-CA).
MALI: R. Mali 5995 f/d "Map" cd. in 4 mo. for ms. (O'Donnell-PA).

'New Zealand Calling' QSL

from the collection of Rowland Archer




FOR INFORMATION ON THE NEEDXO - WRITE TO YOUR NASWA QSL EDITOR
MALTA: DW 6100 n/d cd. in 79 ds. (Mayer-OH). R. Mediterranean 9670 f/d ltr. in 93 ds. for 2 IRCs. v/s Victor Aquilina, Head of Radio Programs. (Algeri-PA).
MANCHURIA: Heilongjiang PBS 5950 f/d "Great Wall" cd. in 21 ds. via Peking. (Gliksman-IL).
MAURITANIA: R. Mauritania 4845 "Map" cd. in 54 ds. for a FR rpt. and 1 IRC. (Eckman-IL).
MONACO: TWR 9495 f/d orange "Map" cd. in 16 ds. for 3 IRCs. Pennant rcvd. (Semsky-IN).
MONGOLIA: R. Ulan Bator 7261 f/d blue and gold cd. in 107 ds. (Bryant-IL). 12070 f/d "Logo" cd. in 10 wks. (Klein-FL).
MOROCCO: RTM 15155 via Rabat ltr. in 3½ mo. for an EG rpt. and 1 IRC. v/s Brahim Ouazzani, Chef de Division de la Programmation. I rcvd. an 8" tape of music from them! (O'Riordan).

NEW ENGLAND AREA DXers OUTING: Gentlemen, please inform me as soon as possible if you plan to attend our fifth annual outing. We expect over a 100 attendees! Already over 20 DXers have indicated that they will be there. If you live anywhere in the area you can't pass up the opportunity. Its a blast! We will be conducting a HAP auction at the banquet on Sept. 6th. We have some extremely interesting items up for bid at the banquet including possibly some VOA material! Great meal too...including a banana chantilly crepe! Send your NASWA QSL Editor a \$28 SASE for all pertinent data concerning the outing..Sam

NEW CALEDONIA: R. Noumea 7170 f/d "Map" ltr. in 299 ds. for a FR rpt. and 2 IRCs. (Algeri-PA) in 6½ mo. for EG rpt. and 1 IRC. (Dittrich-FL). in 80 ds. for 2 IRCs. (Meyer-PERU).
NEWFOUNDLAND: CKZN 6160 f/d cd. in 35 ds. v/s Frank H. Holm, Regional Engineer. (Leite-MA). in 9 wks. w/ a blue "CBC - St. Johns" cd. (Orcutt-CA).
NEW ZEALAND: RNZ 17860 "New Zealand Calling" cd. in 15 ds. for 3 IRC (Mosier-CA). in 18 ds. w/ pennant for 2 IRCs. (Mayer-OH). same in 20 ds. for 3 IRCs. (Eastman-TX) in 17 ds. (Caranna-VA). "Maori" cd. in 13 ds. (Douglass-PA). and 15345 cds. in 25 ds. w/ pennant for 2 IRCs. (Archer-NC).
NIGER: ORTN 5020 "Map" cd. in 53 ds. * (Bryant-IL).
NORWAY: R. Norway 15345 f/d "Hotel" cd. in 45 ds. w/ flag. (Semsky-IN).

NOTE: QSL Column report forms are available from your NASWA QSL Editor for an SASE....Sam.



GHANA BROADCASTING CORPORATION
 P.O. BOX 1633
 ACCRA, GHANA

Dear Sir/Madam,


Thank you for your reception report of our transmission(s)

on 4980 kc/s heard at 0700 -

0615 G.M.T. on 25: 12: 71

We have pleasure in verifying your report which is much appreciated.

Date 27: 3: 72
 PE/W. 72/0607



For Director-General

HAP BID ITEM WINNERS: John Herkimer(237,247,251,259,265), Dario Monferini(209,216,217), Jim Douglass(222,239,257,268), Bill Campbell(207,215,233,243,273), Joel Hunt(253,254), John Pascoe(235,236,252,256,262), Jon Koentig(249), David Hayabrook(229,240), Frank Orcutt(248,258), Herbert Grice(206,227), Richard Pistek(260), Tom Semesky(223,242,255), Tom Haskett(267,271), Terry Ward(210,238), Don Moore(230,261), Rob Harrington(213), Bob Tiede(226,232), Bill Wild(234,244,245,246,250,264,269,270,218,219,220,221,225 and 228) Bill won most items. Finally our biggest bidder John Onken(208,211,212 and 241). HAP thanks you.

HAP BID ITEMS FOR SALE: #310:CFAC cloth patch(4" circular)B&W,red. #311:Voice of Spain cloth pennant(4.5x8")multi-colored. #312:HCJB oil painting(4x5.5")beautiful. #313:R. Nederland decal "DX Jukebox" multi-colored. #314:R. Nederland decal "His and Hers" multi-colored. #315:R. Nederland key chain w/ pouch and snap, red. #316:CKCB Metal badge(2" circular) white and blue. #317:CFAC metal badge(2" circular)white and red. #318:R. SBC decal(2.5x2.5")red and white. #319:R. Bucharest metal pin, multi-colored,sharp. #320:CFAC cloth patch(1.5x2.5")red and white. #321:VOFC-BCC paper pennant(3.5x6")white and blue. #322:DW station decal(3.5x5.5")white and blue. #323:R. Nederland cloth pennant(4x6")multi-colored. #324:R. Jackie(Euro-Pirate)decal(4x5")yellow,red,black. #325:R. RSA cloth pennant(5.5x10.5")multi-colored. #326:Voice of Spain decal(3.5" circular)multi-colored. #327:CIEL-FM decal(8" circular)blue and white. #328:R. Luna decals(2 different)multi-colored. #329: Telerradio Fregena decal (2.5x8")B&W,blue-sharp. #330: G.M. Radio decal(3x5")B&W, blue. #331:R. Latino Uno decal(4.5x6")yellow and green. #332:R. Gemini One cloth patch(4x4")B&W. #333:KWJS beautiful multi-colored decal(5" circular). #334:WSAR metal badge(2.5 diameter) red and white. #335:R. Solent-BBC decal(5.5 circular)B&W,red-beauty.#336: R. Belgium paper pennant(4x8")B&W,green,brown. #337:Westdeutscher Rundfunk decal(2.5x5.5")multi-colored. #338:WSBT metal key chain(1x2"). #339:R. Tees(England)complete sheet of 12 stickers!B&W,red-collectors item. #340:R. Tees decal "I Love R. Tees"(2x18.5")B&W, red. #341: R. Tees decal "Tees Side Airport"(2x19"). #342:AMR paper pennant(via Poona, India)(4x10")white,yellow,blue. #343:European Music Radio(EMR) decal(2.5x15.5")red,white #344:EMR decal(2.5x15.5")B&W. #345:EMR decal(2.5x15.5")red,white. #346:R. Andorre decal(2x10")red,white,yellow. #347:VOFC-BCC cloth pennant for the NA Service(5x8")red,white, blue. #348:R. Peking plastic pennant"Thirt an Men"multi-colored. #349:KEBC metal belt buckle(4x3")beautiful. #350:WRAL T-Shirt(S) sleeveless,blue. #351:KTWR(Guam) paper pennant(3x8")yellow. #352:R. Lombardia paper pennant(as rcvd. from Italy)(3.5x6")yellow, black. #353:WZND vintage 1972 and 1976 decals(3x11 and 3x4")red,white. #354:WZND station pen,B&W,red. #355:WZND cigarette lighter-sharp. #356:Radio City(England)decal(4.5x6")B&W,red. #357:KFMB license plate mount(6.5x12.5")B&W. #358:Gamma Radio Milano decal(2.5x4.5")multi-colored. #359:HCJB paper pennant-beautiful,yellow & black. #360:RFI sticker(3x8")multi-colored. #361:RAE(Argentina)cloth pennant(7x13.5")blue,white. #362:WVMI pen (Virgin Islands)filled w/ \$1,000.00 in shredded currency! #363:R. Andorre decal(2.5x6.5) yellow,red,white. #364:Capital Radio 194(England) circular decal w/ photo of staff,multi colored. #365:Polakie Radio 5 different "Scene" stickers,(3x10.5")multi-colored. #366: Italian decals (5 different assorted stations)multi-colored. #367: Dutch Pirate decals (5 different assorted stations)multi-colored. #368:WHBQ "Hot Stuff" jogging shorts(S) red,white.....That's it for this month folks. I'd like to inform our new members that all you need to do is to send me a letter stating how much you would like to bid for any of the above items. If your bid is the highest you win the item for the bid price. All of the monies collected are donated to the Handicapped Aid Campaign in the US and Canada.

HAP ITEMS FOR DIRECT SALE:The following items can be purchased immediately at the quoted prices: R. Fil Rose(French Pirate)mini-poster(\$.25). Radio Tees "Tickles Me" decal- real pretty(\$.50). WSBT pencils(\$.25). KOOL "Butterfly" decal(\$.50). Radio Vatican paper pennant(\$.50). WVMI(Virgin Islands)decal(\$.50). Radio SR(Swaziland)decal @20" long!(\$1.00). The following stickers and decals can immediately be purchased for \$.25 each or 5 for a \$1.00:WVSI,WTSO,KUNI,WLPA,WSBT,R. Tees(small),KJIM,KKAA,WCAV,WVVO,KRNA,R. Vatican,WGCB, KYW,KFI,KRSP,WRPK,CFYC(large),CFYC(small),KROY,KVIC,WNNI,WHUM(truck),WHUM(car),WYSL, WRCH,WKCI,WDET(large),WDET(small),KDKD,CKNW,WHAL,WGCL,KRPL,CFNB,WKTI,WPMF,WCFR,KEBC, WRAU,WSRS,KLOR,WXOR,WEEU,WOTW(large),WOTW(small),WNNR,WJOB,KDWB,CKCK,KPOF and KIRO.

NOTE: Don't forget to send all of your bids and requests for the sale items to: Sam Barto, 460 Emmett St. B-19, Bristol, Conn. 06010 USA.....Thank you.

HAP REQUEST: We are approaching that time in September when we will conduct our annual HAP auction at the New England Area DXers Outing. Last year over \$800.00 was raised. We are in urgent need of any types of items for the auction. These primarily include pennants, stickers, decals and T-Shirts. We also are in need of badges, pins, records, stamps and FDCs, radio equipment and other such material. I would like to thank all of the people who have supported our efforts by sending us various items. If you have any duplicates, such as mentioned above, and would like to donate them to the HAP auction, please send them along. We have also received many items from people who have contacted their local AM & FM stations and informed them about the activities of HAP. Remember we can only succeed if we all work together...Sam. HAP thanks this time around go out to Charley Hoffman, Joe Tangredi, Charles George,Jim Douglass and Lou Labiaux.....Thank you fellas....Sam.

NORWAY: R. Norway 21730 cd. in 1 mo. (Wallace-MA). 15175 "Canoe" cd. in 29 ds. (Zeichick-ME). "Winter" cd. in 81 ds. (Sampson-WI).

OMAN: R. Oman 11890 f/d "Ibra" cd. in 44 ds. for ms. (Kusalik-ONT). BBC 9600 n/d cd. in 51 ds. v/s D.A.V. Will, Chief Engineer. (D'Angelo-PA).

PAKISTAN: R. Pakistan 21590 f/d "Flowers-Monument" cd. in 51 ds. for 3 IRCs. v/s Sami Akhtar, Station Engineer. (Marshall-ND).

PAPUA NEW GUINEA: R. East Sepik 3335 f/d "Map" cd. in 28 ds. for 1 IRC. NBC pennant also rcvd. (Gliksman-IL). in 82 ds. for 1 IRC. (Gionet-NB). in 31 ds. for 1 IRC. (Eckman-IL).

PERU: R. Atlantida 4795 f/d cd. and ltr. in 2 mo. Secretary says she wants to correspond with me. She must be related to the one from R. Bucaramunga! (O'Donnell-PA). ltr. in 12 ds. (Meyer-PERU). R. Tropical 4935 ltr. cd. and pennant in 12 ds. v/s Juan Pablo Mori, Gerente Proprietario. (Meyer-PERU). R. Quillabamba 5025 f/d ltr. in 25 ds. v/s Rufino Lobo Alonso. (Meyer-PERU). R. Cooperativa Satipo 4785 f/d long ltr. in 45 ds. (Meyer-PERU). La Voz de la Selva 4825 f/d ltr. in 30 ds. (Meyer-PERU). R. Union 6115 f/d cd. in 5 ds. v/s Juan Manolo Vasquez, Gerente General. (Meyer-PERU). R. Nacional Mil Ochenta 6095 f/d cd. for a 1972 reception. Thanks to the efforts of Mr. Meyer on this one.

* (Field-MI). R. Esmeralda-Huanta 5300 f/d postcard of "Palacio Municipal de Huanta" in 2 mo. for ms. v/s Aurelio Liberato A., Director Gerente. (Lobdell-MA). R. Cusco 6195 ltr. in 1 yr. and 2 mo. for a SP rpt. and ms. v/s Hernan Gustavo Infantas Gibaja, Gerente Ejecutivo. (Lazarus-LA). in 5 mo. after my 9th try... My QSL was sent to a Swedish DXer and his to me. The Swedish DXer waited 9 yrs. for this QSL... I waited 19(!) (Field-MI).

PHILIPPINES: FEBC 17810 f/d "Native Hut" cd. in 95 ds. for 2 IRCs. (Douglass-PA). in 4 mo. (House-OH). AFRTS 21670 Poro f/d "Logo" cd. in 47 ds. (Buer-FL).

POLAND: R. Polonia 11815 cd. in 41 ds. (Cucura-PA). 9675 cd. in 56 ds. for 3 IRCs. (George-TX). 15120 in 29 ds. (Shaver-WY). in 58 ds. (Semesky-IN). in 50 ds. (House-OH).

PORTUGAL: R. Portugal 11925 f/d "Barcelos" cd. in 96 ds. for a PT rpt. (Meyer-OH). 6185 f/d "18th Century Bedroom" cd. in 44 ds. (Goodson-SC)... Now that's a new one!... Sam.

ROMANIA: R. Bucharest 9570 "Chalet de Bilea" cd. in 71 ds. (Mayer-OH). (Kusalik-ONT).

RWANDA: R. Rwanda 6055 ltr. and cd. in 2 mo. for a FR rpt. and ms. v/s Viateur Kalinda.

SARAWAK: R. Malaysia 7160 f/d "Broadcasting House" cd. in 1 mo. for 1 IRC. (Dittrich-FL).

SAUDI ARABIA: BSKSA 11855 f/d "Logo" cd. in 45 ds. for 2 IRCs. (Semesky-IN). in 77 ds. for 2 IRCs. (Mosier-CA). ltr. and cd. in 1 mo. for 1 IRC. (Reitz-KY). DON'T FORGET TO BE AT THE NEADXXO

SEYCHELLES: FEBA 15405 n/d cd. in 5 mo. for 1 IRC. (O'Donnell-PA). LATER THIS YEAR!

SICILY: RAI 7175 f/d cd. w/ site in 74 ds. for 1 IRC. (Moore-PA).

SINGAPORE: R. Singapore 11940 f/d cd. in 42 ds. for 2 IRCs. (Dittrich-FL).

SOLOMON ISLANDS: SIBC 5020 f/d "Emblem" cd. in 27 ds. for 2 IRCs. v/s G.R. Richardson, C.E. (Archer-NC). 9545 cd. in 18 ds. for 2 IRCs. (Mosier-CA).

SOUTH AFRICA: R. RSA 4990 f/d "Cheetah" cd. in 1 mo. (Leal-ONT). 25790 cd. in 26 ds. for 1 IRC. (Fraser-MA). 15155 cd. in 29 ds. (Haysbrook-UT). 9585 cd. & pennant in 18 ds. (Zeichick-ME)

SPAIN: REE 9360 f/d "Ibiza" cd. in 1 mo. (Matthews-OH). 9630 cd. and pennant in 33 ds. (House-OH). 6065 cd. in 42 ds. (Hesch-NY). 11880 "Church" cd. in 35 ds. (Caranna).

SRI LANKA: AMR 15120 and 17850 f/d cds. in 1 mo. for 3 IRCs. Pennant rcvd. (Matthews-OH).

SUMATRA: RRI Pekanbaru 5885 f/d ltr. in 3 mo. for an EG/IN rpt. and 3 IRCs. (Orcutt-CA).

SURINAME: R. Apintie 4795 ltr. in 3 mo. v/s E. Vervuurt. (Barto-CT). in 31 ds. for 2 IRCs. (Howard-CA). in 26 ds. (Buer-FL). R. SRS 4850 ltr. & folder in 4 mo. for ms. and a DT rpt. v/s Edith R. Russell, Station Manager. (Leithner-TN).

SWEDEN: R. Sweden 15275 cd. in 32 ds. (Danko-NJ). 9695 cd. in 24 ds. (Reinecker-PA).

SEÑOR
JOHN C. ONKEN
113 SOUTH CELINA STREET
ROANOKE, ILLINOIS 61561
ESTADOS UNIDOS DE NORTEAMERICA

Mucho nos place acusar recibo de su atento in forme de recepción de LRA 36 Radio Nacional Arcángel San Gabriel el que hemos enviado a dicha emisora. Hasta tanto se confirmen los datos por usted enviados, nos complacemos en hacerle llegar folletos de la República Argentina, una revista-programa de LRA l Radio Nacional Buenos Aires (a la que se puede suscribir), folletos del R.A.E. (Radiodifusión Argentina al Exterior).

Sin otro particular y esperando nuevos informes de futuras recepciones, nos complacemos en saludarlo con la mayor estima.

NOTA: Devolvemos el cupón-respuesta ya que este es un organismo oficial dependiente de la Secretaría de Estado de comunicaciones.

SWITZERLAND: SRI 9725 f/d cd. in 65 ds.(Witte-CA). "Schiora" cd. & stickers in 1 mo.(Crenier-CA). 11715 cd. in 52 ds.(Mayer-OH). 21570 cd. in 30 ds.(Sampson-WI). 6135,9725,11715 & 15305 cds. in 2 mo.(Matthews-OH).

TADZHIK: R. Moscow via Frunze on 17730 and on 17765 cds.(Lobdell-MA). 17765 f/d cd. in 46 ds.(Moore-PA). f/d "Misha Bear" cd. in 4½ wks.(Meyer-WI).

TANGER: VOA f/d cd. in 11 ds. v/s Wayne Green.(Keltz-KY).

TANZANIA: R. Tanzania 4785 f/d "Sauti Ya Tanzania" cd. in 6 wks. for 3 IRCs.(Bolitho-ONT). same cd. in 13 wks. for 1 IRC.(Klein-FL).

THAILAND: R. Thailand 9655 f/d "Grand Palace" cd. in 78 ds. for 1 IRC. v/s Romyong Sakornpump, Chief of External Services.(Moore-PA).

TIBET: Xizang PBS 9490 f/d "Tientan Park in Peking" cd. in 21 ds. via Peking(Gliksman-IL). * 4035 and 9490 f/d cds. in 1 mo.(Barto-CT).

TIMOR: RRI Dili 3120 f/d cd. in 76 ds. for an IN rpt. and ms. v/s Paul Amalo BA., This was * after 3 follow-ups.(Kusalik-ONT).

TOGO: R. Togo 5047 f/d "Map" cd. in 2 mo. for a tape and 3 IRCs.(Marshall-ND).

TRANSKEI(South Africa): Capital Radio 7165 f/d ltr. in 2½ mo. v/s J.T.M. Moody, Manager.

(Field-MI) ... I realize that this is not a separate country on our NASWA list but for a while it looks nice under its own heading...Sam. (Zeichick-ME)

TURKEY: Voice of Turkey 11955 f/d cd. in 1 mo.(Matthews-OH). cd. and pennant in 42 ds.w/pin.

UGANDA: UBC 15325 f/d "Studio Complex" cd. in 280 ds. for 1 IRC.v/s David Buga.(Gliksman-IL)

UKRAINE: R. Moscow via Simferopol 15455 f/d cd. in 1 mo.(Orcutt-CA). 15540 via Kharkov cd. in 1 mo.(Meyer-WI). via Vinnitsa on 17755 and on 11980 in 42 ds.(Dittrich-FL). via Lvov on 21530 cd. in 42 ds.(Dittrich-FL). R. Kiev 7215 cd. in 86 ds.(Zeichick-ME).

USA: VOA Bethany 21485 cd. in 22 ds.(Witte-CA). in 17 ds.(Goodson-SC). VOA Greenville 9670

* cd. in 9 ds.(Mayer-OH). 6080 in 22 ds.(Witte-CA). Syncom 48 6248 cd. and banner in 43 * ds.(Kusalik-ONT). Moonshine Radio 7368 cd. in 36 ds. v/s Johnny Blackbeard.(Semesky)

USSR: R. Moscow 9490 "Misha Bear" cd. and a ltr. in 52 ds.(Mayer-OH).

VANUATU: R. Vanuatu 7260 f/d cd. in 2 mo. for 2 IRCs. v/s I.J. Irving.(Lazarus-LA). in 13 ds. for 2 IRCs. and ms.(Douglass-PA). in 22 ds. for 1 IRC.(Clark-AZ). in 59 ds. for 2 IRCs.

* (Howard-CA). in 5 mo. for ms.(Lobdell-MA). in 96 ds. for 2 IRCs.(Cucura-PA). in 25 ds. for an EG/FR rpt. and 2 IRCs.(Onken-IL). 3945 in 50 ds. for 3 IRCs.(Sbordone-FL). 3945 and 7260 f/d cd. in 5 wks.(Barto-CT).

VATICAN: R. Vatican 11845 f/d "Transmission Centre" cd. in 35 ds.(Shaver-WY).

VENEZUELA: R. Occidente 9750 f/d QSL written on a rate sheet in 45 ds. for a SP rpt.(Meyer-

PERU). R. Contiente 5030 f/d ltr. in 35 ds.(Meyer-PERU). R. Lara 4800 form cd. in 80 ds. for a SP rpt.(Meyer-PERU). R. Rumbos 4970 form EG cd. in 380 ds.(Meyer-PERU). 9660

"River Guaire" cd. in 224 ds. for an EG rpt.(Leite-MA). Ecos del Torbes 4980 f/d ltr. in 23 ds. for a SP rpt. v/s C. Gonzalez Lovera, Director.(Meyer-PERU). YVTO 6100 ltr. &

"Building" cd. in 7 mo. for an EG/SP rpt. v/s Jesus A. Escalona.(Saylor-PA). R. Yaracuy 4940 n/d "Network" cd. in 6 mo. for a SP rpt.(Leithner-IN).

VIETNAM: Voice of Vietnam 10040 f/d ltr. in 80 ds. C/V #50!(Calderwood-CO).

YUGOSLAVIA: R. Yugoslavia 9620 f/d "Ijubljana" folder cd. in 9 mo.(Johnston-NY). same in 5 mo.(Leithner-IN). in 240 ds. for 1 IRC.(Gliksman-IL).

ZAMBIA: Zambia Broadcasting Service 4911 f/d white cd. in 1 mo. for 3 IRCs. v/s Peter Musuba (for the Chief Engineer).(Bolitho-ONT).

ZIMBABWE: ZBC 3396 large "Map" cd. in 2 mo. for 1 IRC. v/s Miss B. Olsen(for Chief Engineer)(Miller-WV). in 99 ds. for 2 IRCs.(Witte-CA). in 3 mo.(Klein-FL).

NOTES: Jim Douglass of 2116 Washburn St., Scranton, PA. 18504 would like to receive the most recent address for Radiodiffusion Television Marocaine. I hope someone can help him. By the way Jim, I drove through Scranton on the way to Don Moore's outing. Would of stopped in if I remembered you lived there...Sam. **Kevin Meyer** says that the "575 F. Masias" address listed for Peruvian stations a few issues ago is for a specific chain of small radio stations in Peru...Sorry about the confusion...Sam.

Thanks for the sample report forms Rich (**Eckman**). They look pretty good. I may change the ones I have as soon as I run out...Sam.

OUTINGS: Don't forget the upcoming outing in Shrewsbury, Mass. on July 27th. Refer back a few pages for more detailed information concerning this affair...I'll be there...Sam. Also, be sure to get in contact with me as soon as possible if you are planning to come to the Fifth Annual New England Area DXers Outing in Watertown, Conn. on September 7th. We should have nearly a 100 T-Shirts, over a 100 pennants, 1000s of stickers and decals, 100s of pins, pens, lighters, hats, records, and numerous other items including equipment. If you have never attended one of these affairs you have no idea of what your missing. Anyone for softball or pie eating? Hope to see you in September.....Sam.



Austrian Army Transmitting Station
decals as sent to us by Brett Saylor

update

July 1980***Number 70

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111 USA
(816) 931-5943 0000-0300 only!

UPCOMING DEADLINES: 12 July (Mid-July) 21 July (August) 10 August (Mid-August)

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REMINDERS FROM YR ED: Please submit items to UD ONLY on 8x10.5" or 8.5x11" paper. Smaller sized paper, postcards, and such materially slow down editing and publication; they are also more easily lost by the postal maniacs and yr ed. And remember only one station per item. Reports saying things like "I heard stn X, stn Y, and stn Z" are subject to immediate expungement.

ARGENTINA R. Nac., 6060, in SP 0905; nx pgm. (Jack Jones, MS 6-10)---Same at 0620 w/ tango like mx and anncr. (Max Greenwood, PA 6-10)

BOLIVIA R. Padilla, 3480, in SP 0130; guitar mx and M anncr. (Don Moore, PA 6-13)+++R. Riberalta, 4697, in SP 0252 and intermittently to 0330+; tnx Perdue and Lazarus. Rustic mx, and some nondescript latin pops. Fading in and out and fighting QRN. Caught ID at 0330 recheck. First time I've heard this one; mightily pleased. (tba)---Same, 0104-33, tentative in SP; non-stop talks to 0117. Mentions of Beni and Rio Madre de Dios, then LA mx to 0133 anncmts by M. (Henry Lazarus, LA 6-12)+++R. Abaroa, 4718, tentative in SP 0215-0318; pgm of latin mx w/ anncmts by M. Tentatively IDed 0307 as "Abaroa en su amable ? sintonia." (Henry Lazarus, LA 6-13)*** Henry, I think you can count this one as definite rather than tentative. tba***Abaroa, 4719, in SP 0252; tnx Perdue and Lazarus. Nondescript latin pops fading in and out from poor to fairly good it peaks. Clear ID 0258. Also a first reception for me. (tba)---Same on 4722 in SP 0223; light mx and talks. TC 0230. ID 0300. Fair to good. (Moore, PA 6-13)+++R. Mamore, 4740, tentative in SP 0205; ballads and M anncr. (Moore, PA 6-13)+++R. Machupo, 5585, in SP 0009-0020; excellent w/ anncmts, TC "en Machupo", instrumental E2L mx, ID and more mx. (Terry Krueger, FL 6-11)+++R. Panamericana, 6034, in SP 0015-0034*; nx, ads, site, freqs (580 MW, 6035 SW, 97MHz FM) and plug pulled leaving only Brazil. Excellent. (Krueger, FL 6-12)---Same 2359-0030; ads, ID by M, fanfare, into El Panamericano" nx pgm to 0028. (Chris Lobdell, MA 6-9)

BRAZIL R. Educ. 6 de Agosto, 3410v, tentative in PT 0215; instrumental mx, M anncr and some UTE QRN. (Moore, PA 6-12,13)***A fine catch once you nail down the ID Don. tba***R. Transamazonica, 3525v, tentative in PT 0232; ballads, M anncr. Poor to fair. (Moore, PA)+++R. Cult. Sergipe, 4775, in PT 0013; light mx, M DJ, ads, "R. Cultura" ID. (Moore, PA 6-13)+++R. Itatiata, 4805, in PT 0930; upbeat Braz. mx, fast anncr, ID 0930, excited talk by M&W. (Greenwood, PA)+++ R. Rio Mar, 9695, in PT 0930-1008; vocals and ads, full and singing recorded IDs 1000, nx by M, ID 1008 and still going strong at t/out. (Lobdell, MA 6-14)

COLOMBIA Ondas del Meta, 4885, in SP 0430+; IDing as "R. Centro Popular." S/off preceded by "Adios" song, four tones. Various kinds of mx. (Greenwood, PA)+++R. Surcolombiana, 5010, in SP 0355; talks, ID, Caracol plugs. (Perdue, AL)+++R. Super de Cali, 6085, in SP 0900; many plugs and fanfares for Super net followed by ID. Ondas del Darien used to be here. (Jones, MS 6-10)---same, 0857-0924. Strong sigs, vocals, tangos, llanos ballads, TC/ID between selections, full ID w/ "Pictures at an Exhibition" theme, giving freq as 1200 kHz and call as HJMA (???). All Cali, no Medellin or Bogota. Is this the former 6120? (Lobdell, MA)

COSTA RICA R. Rumbo, 6075v, in SP 0402; ballads, ads, TCs, IDs. (Moore, PA 6-13)

ECUADOR HCJB, 3220, in lang 0055; great level. M anncr and usual folk tunes. (Neal Perdue, AL)+++R. Cent. del Sur, 4890, in SP mixing w/ Lux 0300; heard some heavy metal rock here after Lux off. Egad! (Greenwood, PA)+++Ondas Azuayas, 4980, in SP 0430-0500*; local mx, talk, ads and IDs by M&W. NA at s/off. (Perdue, AL)

EL SALVADOR R. Nacional, 9554, in SP 1400-0500*; reactivated. Daily w/ EG and SP pops. Many ID/TCs // 655 MW. Excellent in daytime. (Krueger, FL)

GALAPAGOS IS LV Galapagos, 4810, in SP 0402; ID by W, talks by M, "buenos noches" and long NA to 0411. (Greenwood, PA)

HONDURAS R. Lux, 4890, in SP mixing w/ Cent. del Sur, 0300; signing off 0302*. (Greenwood, PA)

LEBANON RL, 15375, in lang very well 0130 and 0230. (Don Minor, AZ 16 June)

MALAYSIA RM Penang, 7295, tentative, in lang 1010-37; light pop/ mor mx, anncmts by W. Muffled audio and ARO QRN. No ID but sure sounds like them. (Lobdell, MA)

MEXICO R. Mexico, 5985, in SP 0239; ID, "XERMX," freqs, "musica Mexicana." (Jones, MS 6-15)

NEW ZEALAND RNZ, 6105, in EG 1000; local and world nx. (Greenwood, PA)

NIGERIA Oyo St. B'casting Stn Ibadan, 6050, tentative, in lang 2240-2311*; tnx Jon Fisher. Definitely a Nigerian w/ c&w, pop mx, talks by M, chimes, talking drum 2259, EG nx by M after unreadable ID, chant by M 2308, choral singing and off. (Lobdell, MA 6-16)+++R. Sokoto, 6195, in EG 0510; Afr pops, ads, ID/TC. Poor mod. (Moore, PA)---Same 0510-30 tentatively w/ verna talk, native drums, singing and possible ads. Has that Hausa sound to it. No ID and BBC co-channel. (Lobdell, MA 6-17)

PERU R. Chinchaycocha, 4860, in SP 0120; rustic mx, M w/ talk and ID. (Perdue, AL)---same at 0315. Booming in for them w/ usual Andean vocals. (tba)+++R. Tropical, 4935, in SP 0450; M w/ talk, ID, QTH, LA ballads. (Perdue, AL)+++R. Moyobamba, 5015, in SP 0309-0457*; M&W talking to

0320, recorded ID, latin mx w/ M anncr to 0400, recorded ID 0344, anncmts 0400-06, ID, more mx to 0452, ID, anncmt and NA. (Lazarus, LA 6-10)---same at 0357; EzL mx, M w/ ID. (Perdue, AL)+++ R. Esmeraldas, 5300, in SP 0038-0049; strong over RTTY, M w/ clear ID into ultra-flaky W and radical flutes---vy neat. (Krueger, FL 6-11)+++R. El Sol, 5970, in SP 0035-50; fair w/ ID by M and futbol. (Krueger, FL 6-12)+++R. La Cronica, 9522, in SP 0000-10; old friend last heard 6-79 in daily w/ anncmts, nx, TC/IDs, and local mx till clobbered by RFE jammer at 0100. (Krueger, FL)+++R. del Pacifico, 9675, in SP 0020-0100 nightly; local and EzL mx, many IDs by M, ads, etc. New for me. (Krueger, FL)

SAUDI ARABIA BSKSA, 11855, in EG 2010-45; history of Waylon Jennings ogm (?!?!?) very American sounding. IDs on quarter hour. (Ken Briscoe, IN 6-13)

SOCIETY IS Tahiti, 11825//15170, in FR/verns; sports anncd in both langs. Good on both freqs. (Greenwood, PA)***Time??? tba

SOLOMON IS SIEC, 5020, in EG 1100; W w/ ID, TC and local nx. Unusually good. (Jones, MS 6-11)

TANZANIA Dar es Salaam, 4785, in Swahili 0311; in quite well w/ nx or talks by M. (tba)

USSR Magadan, 9500, in RS 1030; mournful RS vocals and ID by M. (Greenwood, PA)

VENEZUELA R. Libertador, 3245, tentative in SP 0134-0215; long talk by M, strange mx 0156, more talk and futbol report. (Moore, PA)+++R. Mara, 3275, in SP 0118; ads, ID, TC, guitar mx and vocals. (Jones, MS 6-13)

MISSORT:

MONACO TWR, 7250, in GM-like lang *0342-55; IS, ID and religious pgm. (Lobdell, MA)

That's it for a vy short issue. QRN horrible, but, as shown above, there is fine DX to be had. Don't give up.

Best of 73,

Tom

FOR SALE: Sony CRF-320 receiver in excellent condition. Three years old. Price \$575.00. Ed Grant, 31 Leonard Street, Brooklyn, NY 11206. Phone 212-921-6716. or 212-388-6833.

FOR SALE: FRG-7000 in excellent condition. Modified to use narrow 6SB filter on AM (and in back) and to prevent clock resets on small power glitches. Also nice homebrew antenna tuner. Both for \$550.00 UPS. Robert E. Weinstein, 203 Lucerne Way, Lafayette, CO 80026. Phone (303) 665-2421 from 2300 to 0330.

FOR SALE: Barlow-Wadley XCR-30 with transformer and owner's manual. Price \$150.00 including shipping. Must sell before August 3 because of moving. Ari Seppala, 596 South State Hwy #2, Hebron, IN 46341. Phone (219) 996-6335. No collect calls please.

WANTED: I am looking for Reception Report Forms in the Russian, Chinese, and Arabic languages. If anyone can help, please contact David Reitz, 9332 Fairground Road, Fern Creek, KY 40291.

FOR SALE: FRG-7, modified by Radio West with two 1.9 kHz mechanical filters in series in "narrow" selectivity, 2.9 kHz mechanical filter in "broad" selectivity, VLF converter, 4-digit digital readout, 455 kHz calibrator for exact frequency readout, RF attenuator (potentiometer, not just switches), front panel antenna switching (two antenna inputs on rear panel)...yeah, it's very HOT....but don't you deserve something special??? Price \$700.00 includes UPS to you. Dan Sheedy, Box 31, Encinitas, CA 92024.

FOR SALE: QF-1 filter, SW-4A with manual and extra crystals for 1.5-1.6, 4.5-5.0, 15.5-16.0 and new 2.9 kHz crystal filter installed. Price \$150 firm. All pieces in good condition. I pay UPS and insurance. Thomas Lebryk, 13 Becker Terrace, Irvington, NJ 07111.

FOR SALE: Radio West's DXers special ferrite loop antenna with LW, MW and SW tropical band (1700-5000 kHz) copis plus manual. Price \$85.00. Money orders or cashiers checks only. Frank Wheeler, 415 East Farmer, Andover, KS 67002. I would like to add that I am grateful for all the replies received from members of NASWA on the topic of the McKay DAL00 Active Antenna. Results were 11 pro, 2 con.

WANTED: Drake MS-4 speaker and AL-4 loop antenna. Call Bob Lowe at (209) 897-7693 1400-1500 and 0200-0430 GMT.

log report section

1600-4899



TERRY KRUEGER

A fantastic LA opening experienced here on 6-11. These and others below...

- 1615 USA (PIRATE) PRN: 0350-0527 EG, Beatles mx, IDs between cuts, very strong. Special Memorial Day bdcst, ID and mentd. bdcsting "sporadically between 1.615 and 1.625 MHz." Pse QSL (Andrew Wallace, 146 Westford St., Chelmsford, MA 01824 5-26)
- 2310 BRAZIL R Progreso; 0045 presumed w/ PT, "Moon River" (Moore 6-5)
- 2390 MEXICO R Huayacocotla; 0050 xlint w/ SP tlk on where to get different kinds of help, ranchera mx (Neumann 6-7)
- 2400H CUBA R Moscow; EG 4x600 kHz, p (Moore) (Neumann)
- 2420 BRAZIL UNID 0045 faint signal w/ PT ancr (not harmonic), gone 0120
- 2428 PAPUA NEW GUINEA R New Ireland; 0927 PD amnts, choral singing, sounded like PSAs giving addresses and dates of functions (Moman)
- 2430 UNID 0025-0035 cont. samba or similar mx; no tlk (Neumann 6-7)
- 2470 BRAZIL UNID; 0022 PT M, "Cupid" pop mx weak in the classic sense (Neumann)
- 2480 BRAZIL UNID; PT pops w/ live M DJ; weak/clear (Neumann)
- 2490 BRAZIL R Educacao Rural Coari; f w/ slow PT tlk 0015 (Neumann)
- 3200 SWAZILAND TWR; 0312 vernac. M rel. tlk and mx (Cucura)
- 3204T NIGERIA PRC-Ibadan; 0426 M in EG, mentd "svc" and TCs, pops, many IDs but impossible to decipher due to QSB. Not listed in WRTVH-80 (Nikolich 5-20) They ignorantly left out all 90 m Nigerians... TK
- 3205 BRAZIL R Riberao Preto; 0108 PT discussion, ID, g (Cunningham)
- 3205 PAPUA NEW GUINEA R W. Sepik; 1110 PD ID, choral mx (Perdue)
- 3210 MOZAMBIQUE RM; 0314 Afro mx w/ drums, brief tlk by M 0318, ID 0330 g (Hadcliff) 0415, EG rock, tone, ID by PT M superb Afro night (Nikolich 5-14)
- 3212.5 UNID 0110 SP M and light orch mx. Haven't the faintest idea as to who this could be; no trace subsequent checks (Neumann 5-27)
- 3215 SULAWESI RRI-Menado; 1005 IN M, nx // 334.5, f (Klein)
- 3220 PAPUA NEW GUINEA R Moroba; 1042 PD M, heavy QSB (Nikolich)
- 3220 ECUADOR HCJB; 0055-0100 SP M, folk tunes (Neumann, Perdue)
- 3222M UNID MoR, EG DJ, similar to SABC but not // (Nikolich) SCR... TK
- 3225 BRAZIL Lins R Clube; 0005 PT, disco, ID (Moore)
- 3225 VENEZUELA R Occidente; 0112 SP DJ and pops, screaming ID (Neumann)
- 3230 PERU R El Sol de los Andes; first time ever hrd in very nice sunset Andean opening. Long SP M tlk, full positive ID, "Anchors Aweigh" (1) 0050 and tlk by another M. Tnx Neal for tip (Perdue, Krueger, Crawford 6-11) M, Peruvian mx, ID and few ads (Cucura 5-18)
- 3230 S. AFRICA R RSA; 1925 PT, weak w/ spoken pgm till 1950 s/off (Greenyer-New Zealand)
- 3235 BRAZIL R Clube de Marilia; 0829 PT vocals, ID (Greenyer-NZ) 0043 PT, presumed w/ disco and pops, M amnts, UTE QRM (Moore)
- 3240 PERU R America; 0310 SP, disco and ID, ads, Peruvian mx (Cucura)
- 3250 S. AFRICA SABC; 0157-0425 EG/AK, pops, ID/TCs, ads (Cucura, Reitz)
- 3252 ECUADOR LV del Triunfo; 0358 SP LAM ballads, ID/TCs, f (Cunningham)
- 3255 BRAZIL UNID noted often after EIBC 0000* poor due to crap thus no ID extracted (Krueger)
- 3255 VENEZUELA LV del Tigre; 0033-0120 SP disco, pops, ID, "El Tigre" screams (Neumann, Moore)
- 3260 PAPUA NEW GUINEA R Madang; Creedance Glearwater Revival mx, real weak 1042 (Nikolich) 1103 ID by M, C&W, TC, PD/EG (Perdue)
- 3265 BRAZIL R Cultura de Pocos de Galdas; 0005-0105 PT, lots of tlk, ID/TCs, ranchera and accordian mx, phone interviews, great signal but usual 90 m QRM (Cunningham, Perdue, Cucura)
- 3265 CONGO RTVC; 0444 FR M, some mx, reactivated according to WRTVH (Nikolich) Reactivated? I've always noted it... TK
- 3265 MOZAMBIQUE RM; 0425 PT M, het, but similar sound to 3210 same evening (Nikolich 5-14)
- *3270 INDONESIA RRI---; 1015 IN, local mx, caught RRI ID 1030 but site was garbled (Klein 5-18) Can a WGMA help Stu on this one?... TK
- *3275 BRAZIL Bauru R Clube; 0020 PT, US pops, M, men's Bauru (Perdue)
- 3275 BRAZIL R Dif. Claeres; 0447 PT ID and freq on hr (Greenyer-NZ)
- 3275 SWAZILAND TWR; presumed on early 0120 w/ lang pgm and Afro mx, drum accented (Neumann) 0302-0350 ID, vernacs, hymns (Nikolich, Cucura)

- 3275 VENEZUELA R Mara; 1010 SP, ID, M TC, usual YV mx (Klein)
- 3280 MOZAMBIQUE RM-Biera; 0347 soft Afro pops, PT ID (Nikolich 5-14)
- *3284 PERU R Ofente; 0345-0358* w/ ballads, SP M ID into NA fair in big Belize net (Krueger) 0256 SP, chimes before ID; early reception for NZ (Greenyer-NZ 3-5)
- 3285 BELIZE RB; 0100-0450 EG/SP ID/TCs, disco, nx // 834 (8 reporters)
- *3288 MADAGASCAR RTM; Malagasy M tlk, Afro vocals; f/out by 0322 (Gucura 5-14) 1954 FR, presumed w/ spoken pgm here (Greenyer-NZ)
- 3295 BRAZIL R Iguatemi; 0020-0100 PT, IDs, accordian mx, ranchera and TCs, g (Cunningham, Perdue, Cucura)
- 3300 GUATEMALA TGNC; 0300 EG rel. pgming (Haysbrook, Archer)
- 3306 ZIMBABWE ZBC; EG nx, Hendrix's "All Along the Watchtower" not // 3395 (Nikolich 5-14). Appropriate tune... TK
- 3322.5 PAPUA NEW GUINEA R N. Solomons; 0950-1104 PD, pop songs, church svc. 1000-1019, island mx (Buer, Glikeman)
- 3325 BRAZIL R Gazeta; 2344 PT, string of ads, ID 0001 then nx. Reactivated or power increase? (Moore, Krueger)
- 3325 GUATEMALA R Maya; 0300 SP, IDs mixed w/ Monogas (Greenyer-NZ)
- 3325 VENEZUELA R Monogas; 0253 SP vocals mixed w/ Maya (Greenyer-NZ)
- 3326 NIGERIA FRC-Lagos; 0445 lang w, CHU slop, into EG nx by M 0500, several IDs, TCs GMT +1 (Nikolich)
- 3335 BRAZIL R Conquista; 0125 w/ band mx, PT nx summary 0100 (Neumann)
- 3335 PAPUA NEW GUINEA R E. Sepik; 1040 PD, island mx, M (Glikeman)
- *3338.5 MOZAMBIQUE RM; 0351 lively Afro vocals, nice mx, xylophones and reeds, M in pres. PT, not 3339 (Zanzibar -- rats) (Nikolich) 0402 EG nx read by M, very leftist; mx 0412 under UTE, p (Radcliff)
- *3339 ZANZIBAR RTZ; 0333 SH M, Afro mx, 0400 notes on xylophone and ID "Hii ni sauti ya R Tanzania (pause) Zanzibar" (Cucura) 1900 SH nx till 1915, then Afro vocals (Greenyer-NZ) Beware of Mozambique w/ xylophone IS till 0400 opening... TK
- 3345 MOLUCCAS RHL-Ternate; 1000 IN, M w/ nx // 3215, both f (Klein)
- 3346T ZAMBIA ZBS; 0405-0410 EG M w/ pop tunes, 0410 covered by UTE (Cucura 5-14)
- 3355 VENEZUELA R Impacto; 0215 SP, IDs, LA mx (Cucura)
- 3355 UNID 0057 SP DJ w/ pops, weak but audible on LSB. Impacto listed, tho not sure. RTTY heavy (Neumann 5-27)
- 3360 GUATEMALA LV de Nahuala; 0345 SP M, ID, marimbas (Reitz)
- 3360 PAPUA NEW GUINEA R Milne Bay; PD 0948, tlk, song; QRN/QSB (Buer)
- 3365T BRAZIL R Cultura; 0035 PT, soccer or similar (Moore)
- 3374 ANGOLA R Nacional; *0355-0515 vibraharp IS, NA, ID by PT M, Afro mx and nx // 11955 (Krueger, Eckman)
- 3375 BRAZIL R Soc. Dourados; 0010 PT M&W, mx, ID/freq, LA pops (Perdue)
- 3380 ECUADOR R Iris; 1042 SP ID, amts, into campo mx (J. Jones 5-3)
- 3380 MALAWI MBC; 0355-0430 two EG TCs, "MBC" ID, nx 0400 in Chichewa, info Afro hiliife (Radcliff, Nikolich, Cucura)
- 3385T BRAZIL R Juazeiro; 0017-0058* PT pops, ID, s/off anmt (Cucura) Positive ID? Congonhas always reported and listed as 0100*... TK
- 3385 NEW BRITAIN R E. N.B.; 0825-1000 PD, G&W, TC/IDs, ads, nx (Moman, Buer, Archer)
- 3390 ECUADOR R Zaracay; 0355 SP pops, TC/ID 0400 (Reitz)
- 3395 VENEZUELA R Universidad; 0945-1020 SP, ID, pops, TC (Reitz, Klein)
- 3396 ZIMBABWE ZBC; 0400 EG M w/ nx, ID (Jordan) 1953 (Greenyer-NZ)
- *3525 BRAZIL R Transamazonica; 0053 in passing w/ clear PT M ID into low key vocals (Krueger, Crawford 6-11)
- *3552 PERU R Dif. La Convencion; 0020 presumed w/ SP M nx of Peru; RTTY nearby (Krueger, Crawford 6-11) 1050 SP, weak, vocals, flutes (Greenyer-NZ)
- 3567 UNID LA 0055 in passing very weak, pops. PT (Crawford, Krueger 6-11)
- 3810 ECUADOR HD210A; 0515-0854 time signals, SP ID (Danko, Samuel)
- 3875 USA (PIRATE) WBLO; 0445-0548* ID, Bee Gees "Emotion" and singing ID progressive rock, George Carlin record, Herb Alpert. Pse QSL (Rowland Archer, Jr., Flint Ridge 59, Hillsborough, NC 27278)
- 3905 ADMIRALTY IS. R Manus; 0957 PD mx, tlk 1000 (Buer 5-13)
- 3925 PAPUA NEW GUINEA NBC; 1057 EG, pops, TC, ID and nx (Cunningham)
- *3945 VANUATU R Vila; 0800-0923 FR/EG, M nx, 0830 ID, EG pgm of choral singing well hrd past 0923, New one for me (Moman 5-18)
- 3945 JAPAN NSB; 0925 EG/lang, multi-lang pgm on dangers of hitch-hiking first thought to be Vila till 1000 ID, f (Mosier)
- 3965 FRANCE RPI; 0355 FR, pop FR mx // 15135, 15300 et al; AROs (Hoffman) Supposedly h. kw... TK
- 4000 CAMEROON RC-Bafoussam; 0507 EG nx, lang, drums, mx (Nikolich)
- *4467T BOLIVIA R Movima; 0002 SP M w/ Bolivian nx items, poor on best sunset LA ever here (Krueger 6-11)
- 4680 ECUADOR R Nac. Espejo; 0345-0728, SP ID, HC mx (Reitz, Holland)

- 4696 BOLIVIA R Riberalta; 0025 rock-steady SP M, "programa 'Mensajes de la Estacion' en Riberalta" (Krueger 6-11) 0215 SP ballads, M, poss. ID 0237 (Moore)
- *4722V BOLIVIA R Abaroa; 0322 SP vocals, M ancr ID 0330, RTTY QRM (Moman)
- *4729T BOLIVIA R Frontera; 0049 f-p w/ SP M, ballads, DJ babble menting often in mud. Don't know of anything else here (Krueger 6-11)
- 4739 BOLIVIA R Mamore; 0033 end of nx, ID, M introing a "nueva cancion" xlnr (Krueger, Crawford 6-11)
- 4750 GAMBROON R Bertous; 0500 FR ID by M, nx, mx (Reitz)
- 4755 COLOMBIA Em. Nuevo Mundo; 0055 SP sports (Field 6-5)
- 4765 ECUADOR CRE; 1039 SP, ballads, NA 1040, clsl mx, ID (Perdue)
- 4765 LIBERIA ELWA; 0558 rel. pgming in EG, ex-4770 (Greenwood, Greenyer)
- *4775 BRAZIL Voz do Oeste; 0616 PT vocals, ID/address 0630 (Greenyer-NZ)
- *4775 BRAZIL R Cult. do Sergipe; 0825 upbeat mx, hyper ancr, 6 pips, ID 0900, p (Greenwood) 0030 mx pgm, g, "R Clube" may have been ID 0059, tent (Field 6-4)
- 4777 GABON RTVG 0004* s/off w/ hilife, then NA(Valko) 0445 (Reitz)
- *4785 BRAZIL R Brasil Campinas; 0005 PT, EZL mx to 0027 ID and ads (Moore)
- 4785 ZANANIA RT; 0257 IS, ID, nx into hilife in SH (Reitz)
- 4790 PERU R Atlántida; 0355 SP, Peruvian mx, ads, ID (Cucura)
- 4795 ECUADOR LV de las Caras; 1030 SP M ancr, ID/TC, pgm of EZL-MoR mx (Klein) 0415 (Reitz)
- 4800 VENEZUELA R Lara; US pops, ads, ID (Reitz)
- 4800 ECUADOR R Pop. Independiente; ballads, ID 0430, p w/ UTE (Greenwood)
- 4805 BRAZIL R Amazonas; 0110 PT, mx pgm, many ads (Field)
- 4810 GALAPAGOS IS. LVdG; SP, pop/disco, ID/TC (Reitz)
- 4813 COLOMBIA R Guatapuri; 2354 SP M tlk, ID, LA mx (Cucura)
- *4815 BRAZIL R Dif. Londrina; 0130 PT, M ID/freqs, EZL mx in het (Klein)
- 4820 HONDURAS HRVG; SP/EG rel. pgming, ID/QTH by W (Archer, Danko)
- 4825 GUATEMALA R Mam; 0130-0303* g w M&W in SP reading short notes from listeners, marimbas, full ID and off (Greenwood, Cucura)
- 4832 COSTA RICA R Relej; 0300-0500 SP M, SP pops, echo IDs, ads, TC (Merkel, Samuel, Archer)
- 4835 S. AFRICA SABC; EG, ID, "Tues. Morning" show, mx (Reitz)
- 4840 VENEZUELA R Valera; 0240-0400 SP ads, ID/TC, LA pops (Reitz, Cucura)
- 4845 COLOMBIA R Bucaramanga; SP nat'l pgm, nx, IDs, mx (Greenwood, Cucura)
- 4845 MAURITANIA Rdf. Nationale; 0615 chants, AR M (Reitz)
- 4850 GAMBROON R Yaounde; 2215-2300* FR, pops, ID, NA (Baker)
- 4850 ECUADOR R Luz y Vida; 1025 SP, EZL mx, M ID 1030, freqs, g (Klein)
- 4850 SURINAM SRS R; 0000-0050 DT, EG pops, nx, f-p (Posporelis)
- 4855 BRAZIL R Cl. do Para; 0810-0840 PT pops, ads, TC/ID (Reitz, Glikzman)
- 4855 MOZAMBIQUE RM; 0400 EG/PT IDs by M into nx, flute mx (Reitz)
- 4860 PERU R Chinchaycocha; 0120 SP rustic Peruvian mx, M tlk w/ ID (Perdue) 0315 (Reitz)
- 4865 COLOMBIA LV del Cinaruco; 0110-0400 SP IDs, nx, LA pops (6 reporters) *0900 w NA, calls, freqs, CARACOL plugs (J. Jones)
- 4870 BENIN La Voix de la Rev.; 0545 FR M, into hilife (Reitz)
- 4870 ECUADOR R Rio Amazonas; *1034 NA, primitive mx, tlk (J. Jones) 0328 w/ ID 0330 and romantic ballads, p (Greenwood)
- 4875 COLOMBIA LV del Norte; 0210 SP vocal and instrs, M ID, poss. ads (Jordan) 0903 ID, calls, freqs, "La Emisora Musical" (J. Jones)
- 4875 COLOMBIA R Super; 0550 SP, LA mx, TC/ID, M DJ (Samuel)
- 4885 COLOMBIA Ondas del Meta; 0340 ID, romantic ballads, p (Greenwood) 0410 echo ID amid LA pops, blown away by CW UTE (Radcliff)
- 4890 ECUADOR R Centinela del Sur; 0143-0200 SP, HG mx, ID, also used R Musical as ID (Cucura)
- 4890 HONDURAS R Lux; SP stringed mx, ID, ads, armts by M (Reitz)
- 4890 PAPUA NEW GUINEA NBC; 0950-1340 EG ads, TC/ID, nx, rock and C&W mx, f-g (Reynolds, Grenier, Holland)

Call,
[Handwritten signature]
 Jerry

log report

section

4900-6199



STEVEN WISEBLOOD

- 4900 VENEZUELA R. Juventud: 0310 a new low was reached on SW when I tuned in to be treated by the punk rock song "Train in Vain" by the Clash. Yecccch! (Radcliff-IL 4/22).
- 4905 BRAZIL R. Relogio Federal: 0028-0102 M in PT reading nx, TC's, pipe, ID's (Glikman 5/23).
- 4910 ECUADOR Emis Gran Colombia: 0240-0530 M ancr in SP w/political speech, upbeat LAM mx, Andean vocals, ads, ID's, jingles (Klein, Reitz, Moore, Perdue, Jordan).
- 4910 GUINEA R. Nationale: 0545 tkl by M in FR, into holy Qu'ranic chants (Reitz 5/10)
- 4915 GHANA GBC-1 Accra: 0545-0600 tkl by M in vernaculars, interview pgn, Afro high-life mx, EG nx & cntry @ 0600. Fair-Good (Moman-Alberta, Jordan 6/5).
- 4915 KENYA Vok: *0257 flute IS, ID by M, NA by chorus, beautiful group vocals, drums, chants by M, Swahili anmts, ads, interviews. Time pipe @ 0315 & ID (Jordan, Nikolich-IL, Eckman).
- 4920 ECUADOR R. Quito: 0454-0456* S/off anmts in SP, "Indian Love Call", ID (Wiselood 6/20).
- 4925t MOZAMBIQUE Maputo: 0412-0430 Martial mx, tkl by M in vernaculars, group vocals (Jordan).
- 4930 DOMINICAN REPUBLIC R. Mil: 0030-0545 fast tkl by M in SP, upbeat LAM (Klein, Reitz, Jordan).
- 4935 BRAZIL R. Capixaba: 2350-0000* Brazilian MoR vocals, ID, sports rpt in PT (Perdue 5/15).
- 4935.7 PERU R. Tropical: 1007-1050 tkl by M in SP, ad string, ID, TC, lcl mx (Klein, Perdue).
- 4940 VENEZUELA R. Yaraucay: 0305-0310 M ancr in SP w/QTH, fgy, ID, lcl pop adisco. (Radcliff/mx. (Reitz). *0955 NA, Martial mx, opening anmts w/ID, Calls. Good-Vy.G (Jones-MS 6/6).
- 4945 COLOMBIA R. Colosal: 0410-0736 light LAM pop mx, ballads, SP anmts (Samuel, Danko, Meyer-PERU)
- 4945 BRAZIL Rdf Pocos de Cardas: 0130 M ancr in PT audible w/Colosal off, lcl pop mx (Klein-FL).
- 4951** PERU R. Madre de Dios: 0100 Poor w/Huayno & criollo mx, few ID's, lcl anmts (Meyer-PERU)...
- 4955** PERU R. Cult Amauta: 0100 Strong w/several ID's & Huayno mx. Wish they'd QSL! (Meyer-PERU).
- 4960 ECUADOR R. Federacion: *1040 Ecuadorian NA, opening anmts in Indian dialect (Perdue).
- 4960 VENEZUELA R. Sucre: 0358 anmts by M in SP, "Noti-Rumbos" nx w/chimes (Radcliff-IL).
- 4965 COLOMBIA R. Sta. Pe: 0402-0732 anmts by M in SP, ID's, LAM mx, TC's (Danko, Radcliff, Meyer).
- 4975 COLOMBIA Ondas del Ortegua: *1015 NA, S/on anmts, lcl nx. Poor w/ute QRM (Klein-FL).
- 4980 VENEZUELA Ecos del Torbes: 0235-0230 LAM mx, sports cntry, ID's (Reynolds, Grishin, Reitz).
- 4985 BRAZIL R. Brasil Central: 0535 Brazilian pop mx, M ancr in PT, ID, anmts (Samuel 5/23).
- 4990 SOUTH AFRICA R. RSA: 0300-0315 ID, EG nx, lcl pop mx, cntry. Fair w/het (Merkel 5/12).
- 4990 VENEZUELA R. Barquisimeto: 0125 LAM pop mx, M ancr in SP, ID, TC (Reitz 5/18).
- 5000 SOUTH AFRICA ZUO: 0050 ID in CW 3 times, just before the M ancr from WWV & the CW ID's from MSP(!). Weak but readable (Cunningham).
- 5005** PERU R. Jaen: 2138 US pop mx "The Village People". ID & lcl anmts (Meyer-PERU 5/28).
- 5005 EQUATORIAL GUINEA 0510-0531 Afro vocal mx, seems to have settled here (Nikolich, Eckman, Reitz)
- 5010 PERU R. Eco: 2140 US pop mx, many ID's, ads, heavy UTE QRM always here (Meyer-PERU 5/24).
- 5010 COLOMBIA R. Surcolombiana: 0403-0520 ID's for MW & SW fgy, rural sounding LAM mx, M ancr in SP w/nx. Fair w/UTE QRM (Klein-FL 5/23, Leithner-TN 5/30).
- 5015 PERU R. Moyobamba: 2144-0517 Criollo mx, TC's, ID's, SP anmts, tkl by M&W, LAM mx, S/off anmts w/ID's as "OAX...OAX" (Field, Meyer-PERU, Greenyer-NZ, Perdue, Klein-FL).
- 5020 SOLOMON ISLANDS 0815-1030 EG & pidgin anmts, US pop/rock mx, ID&TC, R. Australia nx @ 1000. Good! (Moman-AT 5/12, Valko 5/24, Reitz 5/14, Buer 6/3, Klein-FL 5/11).
- 5020 COLOMBIA Ecos del Atrato: 0227-0355* tkl by M in SP, ID, S/off anmts (Cucura, Moore).
- 5020 NIGER ORTN: *0528-0615 Martial NA, flute IS, clear ID by M, lcl Afro mx (Reitz 5/25).
- 5025 BRAZIL R. Boborema: 0800 S/on anmts w/mention of "Boborema" (Greenyer-NZ).
- 5025 PERU R. Quillabamba: 2145 Huaynos, mentions of Quillabamba, complete ID @ 2200 (Meyer-PERU)
- 5030 VENEZUELA R. Reloj Continentes: 0202-0300 M ancr w/anmts, ads, LAM pop mx (Jordan, Reitz).
- 5035 BRAZIL R. Aparecida: 0010-0108 Brazilian pop mx, EZ1 mx, religious pgn w/prayers, ID, ads, PT anmts, Clear ID's. Fair (Glikman 5/25, Posporelis 5/8).
- 5035 PERU R. Imagen: 2147 EZ1 LAM pop mx, several long ID's, US pop mx, slight QRM from the Brazilian (Meyer-PERU 5/24). 0335-0645 lively LAM pop mx, US pops, SP anmts, ad string, TC's, ID's (Perdue, Jordan, Greenyer-NZ). 1003 bank ad, ID/TC, rustic mx pgn (Klein-FL).
- 5040 PERU R. Libertad de Junin: 2155 Huayno mx, several ID's w/yipping (Meyer-PERU 5/24).
- 5043 IRIAN JAVA RRI Wamena: 1053 EZ listening vocals, gamelan mx, M ancr w/QTH. F (Klein-FL).
- 5047 TOGO RT: 0535-0545 IS, Opening anmts in FR, ID, NA, lcl hymns (Eckman, Reitz, Moman-AT).
- 5050 COLOMBIA LV de Yopal: 0900 LAM mx, w/ID's after every song (Greenyer-NZ).
- 5050.5 PERU R. Loreto: 2200 Criollo mx, ads, "Juventud" pop mx pgn, ads (Meyer-PERU 5/24).
- 5052 SINGAPORE RS: 1258-1320 tkl by W in EG, ID, light MoR/pop mx. Fair (Moman-AT, Mosier).
- 5057 ALBANIA R. Gjirokaster: 0355-0400* tkl by M in lang, piano mx, Martial NA (Jordan 5/11)
- 5060 ECUADOR R. Nat Progreso: 0430-0517* Ecuadorian mx, SP anmts, ID & NA (Cucura, Leithner).
- 5095 COLOMBIA R. Sutatena: 2205-0155 LAM pop mx, ads, SP anmts, ID's (Meyer-PERU, Earhart-PA, Reynolds). 0904 M in SP w/anmts, ID, possible editorial or cntry. Good (Mosier).
- 5240 CHINA FFBS-1: 2230 Xlnt signal w/oriental mx pgn, M ancr in CH, ID (Meyer-PERU 5/24).
- 5300** PERU R. Esmeraldas: 2210 Huayno mx, several ID's, ads, lcl anmts. Xln* (Meyer-PERU).
- 1105 Program of Peruvian vocal mx, ID @ 1120 (Greenyer-NZ).

- 5881 ARGENTINA R. Rivadavia: 0024-0103 M ancr in SP, sports interview pgm, ID's (Glikman).
 5945 AUSTRIA ORF: 0130-0155 EG tlk on the drug problem in Austria. (Grishin)/
 5950 GUYANA GBS: 0215-0253* US pop mx, ID, S/off w/the "Pledge of Allegiance", S/off annts in EG, NA (Baker-DEL 5/16). 0850-0941 EZL mx "Santa Luccia", US pop mx, hindi mx, M ancr in EG w/TC's, ID's, birthday greetings, ad strings (Glikman, Moman, Klein, Reitz). (Leithner/
 5950 CHINA Heilongjiang (Manchuria): 1100-1131 CH nx, cmtry, Clacl mx, choral mx (Glikman,/
 595A COSTA RICA R. Casino: 0444-0603* "The Music Encounter" pgm w/US pop & C&W mx, M ancr in EG, ID as "Cream of the Caribbean-R. Casino", ads, disco mx, NA (Cunningham, Leithner, Reitz).
 5955 COLOMBIA LV de los Centauros: 0945-0955 Lam mx, SP annts, ID's (Leithner, Posporelia).
 5960 CANADA RCI: 0000-0420 EG world nx, cmtry, Quebec election cmtry, sports (4 reporters).
 5970 PERU R. El Sol: 2330 SP cmtry on the Rock musical "Hair" which just opened in Lima, ad string, several ID's (Meyer-PERU). 0502 long political speech by M ancr in SP (Leithner)
 5980 SOUTH AFRICA R. RSA: 0732 "Good Morning Africa" pgm, US pop mx, ID's, fair (Mosier 5/13).
 5980 SIERRA LEONE SLBS-Freetown: 2335-0002* "Voice of Life" religious pgms, S/off annts (Meyer-PERU, Glikman). *0600-0700+ Organ mx, "Voice of Salvation", ads, ID, TC, tlks in vernaculars, PSA's, for churches, BECWS nx relay at 0700. An outstanding signal (7 rpters).
 5980 GUATEMALA AWR-Union Radio, TGMIA: 0045-0511* "Quiet Hour", religious tlk, requests for reports in EG & SP, full ID & mailing address, NA sung by a childrens choir (8 rpters).
 5985 MEXICO XERMX: 0445 tlk by M in SP, ID, EZL mx. Fair-Good (Reitz 5/19). (Eckman/
 5995 AUSTRALIA RA: 0806-0837 World nx by W in pidgin to Papua-New Guinea, ID (Cunningham,/
 6000 UNITED Clandestine: Undoubtedly the same stn that I heard on May 8th on 6015. Patriotic slogans, very anti-communist reminiscent of R. Swan, mention of Managua (Jones-MS 6/6).
 6000 BRAZIL R. Inconfidencia: 0025-0040 Brazilian pop mx, ID, EZL mx (Posporelia 5/8).
 6000 CHINA FPBS-2: 1054 CH classical mx, tlk by W in CH. Good (Leithner-TN).
 6005 CANADA CFCX-Montreal: 2125-2336 nx by M in EG, MoR, light pop mx (Merkel). 1108 light pop mx, M ancr in EG, het from 6006 reduced by Autek QFI, ID @ 1111 (Earhart-PA 5/31).
 6005 BOLIVIA R. Progreso: 2336 mx by M in SP, ID, plug pulled at 2345*. Good (Moore 6/1).
 6006 COSTA RICA R. Reloj: 0812 Clacl mx, numerous TC's, ID between songs (Meyer PERU 5/24).
 6012 ANTARCTICA APAN: 0700 Jazz mx, broadcasting by Amplitude-Modulation this day (Greenyer-NZ).
 6015 NICARAGUA R. Inacione(?): 0600 M&W alternating w/political speeches, marimba mx, Very Good signals (George-TX 5/7). *0842 patriotic slogans, ID @ 0915, mentions of Managua and Nicaragua. Bad audio w/intermittent buzzes & howls (Jones-MS 5/8).
 6015 BRAZIL RC Pernambuco: 0830 fast Lam mx, M ancr in PT, ads, ID's. Very Good (Klein-FL).
 6015 SOUTH KOREA RK: 1032 W ancr in KR w/light mx, not //6165. Good (Klein 6/3).
 6015 VATICAN STATE VR: 0100-0115 tlk about old Bible stories, Good! (Merkel 5/14).
 6020 PERU R. Victoria: 0958-1025 Lam pop mx, W ancr in SP w/ID, World mx (Leithner, Radcliff).
 6035 BOLIVIA R. Panamericana: 1028 Bolivian mx, ID, fsys., ad string (Jones-MS 6/6).
 6040 COLOMBIA LV del Tolima: 0942-0950 ID, TC, pgm for Campesinos, "Todelar" ntwk (Moore, Jones).
 6045 AUSTRALIA RA: 0815-0843 World nx, sports nx, "orchestral mx, M ancr (Cunningham, Meyer).
 6065 COLOMBIA R. Super: 0827 Nonstop Lam pop mx, canned ID's, M ancr in SP (Meyer-PERU 5/24).
 6070 CANADA CFRX-Toronto: 0500 EG nx, wx, ads, Pop mx. Good (Reitz 5/20).
 6076.5 COSTA RICA R. Rumbo: 0740-1058 M&W in SP w/fsys., ID, address, request for reception reports, -ballads, low-voiced M ancr in SP. TC's after each selection. This is the SW outlet of 525kHz, mentioning that it is 24hrs(!). No QRM, Vy. Good! (9 reporters).
 6085 COLOMBIA R. Super de Cali: 0740 M ancr in SP w/TC's, ID's, EZL Lam mx (Klein-FL 5/31).
 6090 LUXEMBOURG RL: *0000-0200* The Benny Brown show, ID's, TC's, rock mx, nx @ 0100, wx, the disc-jockey spoke with an American (!) accent. Bad het (Reitz 5/23, Archer 5/18).
 6090 AUSTRALIA VLI6-Sydney: 0845 M ancr in EG, folk & pop mx, smashed by het @ 0853 (Mosier).
 6090 ECUADOR HCJB: 0937 tlk by M in Quechua, several ID's, Psalm readings (Meyer-PERU).
 6100 MALAYSIA VoM: 1255 Bella IS, ID & tlk, Asian mx, fading at 1345. Good (Mosier 6/4).
 6100 MALTA DW-Cyeloops: *0119-0150* IS, ID's, fsys, Politics in Europe, EG nx (Thompson-NM).
 6105 NEW ZEALAND RNZ: 1120-1130* EZL mx, closing annts by M in EG, ID. Good (Klein-FL 5/25).
 6115 COLOMBIA LV de Llano: 0919-1015 M&W aners in SP, Ranchera mx, Instrumental mx, ballads, ID as "Internacional Voz del Llano", ads. Fair (Leithner-TN, Posporelia, Meyer-PERU).
 6120 NICARAGUA R. Zinica: 1100-1143 "Musica Ranchera", ID, stn promo's (Howard-CA, Jones-MS).
 6120 ARGENTINA R. El Mundo: 0900-1004 W ancr in SP, ID's, Tango mx (Meyer-PERU, Jones-MS).
 6125 BRAZIL RN Sao Paulo: 0915 EZL Brazilian pop mx, M ancr in PT, ads. (Meyer-PERU 5/24).
 6135 BRAZIL R. Gaucha: 0930 M ancr in PT, ad string, Brazilian pop mx (Leithner-TN).
 6135 TAHITI Papete: 0555 Pleasant Polynesian island mx, annts in Tahitian (Mosier 5/27).
 6140 AUSTRALIA ABC-Perth: 1118-1122 EG annts, cmtry, interviews (Buer).
 6140*** PERU R. Huayllay: 0100 Strong signal w/US & Lam pop mx, on quite late, ID's (Meyer-PERU).
 6150 COLOMBIA LV del Huila: 1010-1020 Lam mx, ID. P-F (Posporelia 5/8).
 6160 COLOMBIA Emis Nueva Granada: 0854 ID @ 0900, lol pgm notes, Lam pop/crillo mx (Meyer).
 6165 SOUTH KOREA RK: 1030 Usual HS pgm w/tlk in KR, listed as 100kW-Kinje. G (Klein-FL).
 6165 UNITED A SP lang stn noted here various mornings @ 0715-1000, no mx or ID (Field).
 6168 COLOMBIA Rdif Nac de Col: *0956 NA, W ancr in SP w/ID, fsys., Educational pgm, drifted down to 6164 within 20 minutes(!). Very Good w/QRM (Jones-MS 5/29).
 6175 PERU R. Tawantinsuyo: 0953 Typical Peruvian mx pgm, TC's, ID. Fair (Jones-MS 6/8).
 6180 VENEZUELA R. Turismo: 0955 ID, "Musica Romantica" pgm featuring ballads. P-G (Jones-MS).
 6185 BRAZIL R. Bandeirantes: 0030 tlk by M in PT, ID, Brazilian pop mx (Reitz 5/23). 73, Steve

log report section **C**

6200-11699

PETER SCHIPELLTI

31 BEAVERBROOK ROAD BURLINGTON, MASS. 01803 or phone after 2200 GMT up until 0400 GMT. 617 272-3142. Summer has arrived, at least at this QTH anyway.

I'de like to congratulate my good friends Chris Lobdell and Nancy Tilley on their wedding of June 28'th, in which I had the pleasure of taking part. Moving right along,

- 6207 INDONESIA RRI-Biak; 1035 IN, very nice full blown Island Mx pgm, OM anncr w/ tlks. More Mx. Good! (Klein 6/3)
- 6250A USA-PIRATE R. Syncom 48; 0620-0645 EG, Rock Mx, frequent IDs, OMT TC's, played "Right in der Fuhrer's Face" at 0639, took calls at 215-395-5609. I called and asked QSL, tho still haven't received it. poor signal w/ bad modulation. Frequent plugs for the Free Radio Campaign. (Brooker 4/27 5/17 5/18)
- 6265 USA-PIRATE Syncom International; 0228-0301* EG, lots of technical problems. Phone calls to 212-949-9979. Usual Rock & Pop, Poor signal (Wallace 5/11)
- 6278 USA-PIRATE Syncom International; 0309 EG, Finally smartened up and played class. Mx New anncr played opera, Blue Danube, William Tell Overture, Carmen & Funeral Mxi phone calls to 215-395-5609. ID as "Radio Syncom" (Wallace 5/18) (Nikolich 5/18)
- 6418 USA-PIRATE KVHF; 0609-0612* EG, oldies, anners Tommy Johnson & chief engr Bob, at s/off they said that they would be back an hour later, but they weren't. (Mosier 5/24)
- 6420 USA-PIRATE KVHF; 0727-0837 EG, Mx "Year of the Cat", "Give a Little Love for Me", quick ID as KVHF. very strong. (Valko 5/24); 0015 EG Rock Mx 0022* (Grenier 6/1)
- 6958 USA-PIRATE WARG; 0536-0545 EG, Usual Rock Mx requests, IDs, phone #, and (so far empty) promises for QSL cards. Audio problems when using mike. Gave away a sikscreend t-shirt to someone in Colorado. Good signal (Cunningham 5/26)
- 6960A USA-PIRATE WARG; 0533-0737 t/o, EG, mostly current hard rock w/ fair modulation. phone calls to 212-949-9979. If you called in at the right time you could win a t-shirt saying, "I Love WARG" or 3 free records. Congratulations over the air to John & Robert in Monstans. I called and they promised a QSL. (Wallace 5/26)
- 7001 ANGOLA Em Regional do Lobito; 0510, lively Afro Pops (Nikolich 5/12)
- 7002 ANGOLA Em Regional do Lobito; 2244 PT, Heard almost nightly w/ PT vocals & fast-paced Mx. (Wallace 5/19)
- 7003 ANGOLA Em Regional do Lobito; 0530-0600 PT, instrumentals, NA, vocals (Jordan 5/25)
- 7120 ALBANIA R. Tirana; 0140-0157 EG, Cmtry, Politics abt Iran. (Bodle 5/10)
- 7145 NIGERIA R. Kware; 2252-2305* EG, instrumental Mx, anthem & s/off (Moore 5/24)
- 7155 JORDAN HKBS; 2251-2332* AR, Arabic chants, time pip on the hour then Nk, 2307 Mx, 2330 annt & NA. (D'Angelo 5/5) (Baker 5/9) (Moore 5/24) (Gliksman 5/3); *0330-0340 AR, (Jordan 5/9)
- 7170 NEW CALEDONIA R. Noumea; 0646 FR, disco Mx, //11710 (Eckman 5/11)
- 7190 YEMEN DYBS-Aden; *0258-0305 AR, IS, NA, OM anncr, ID, Holy Koran, Mx, Severe QRM & QRN. (Baker 5/28)
- 7215 IVORY COAST Radiodiffusion Ivoirienne; 2305-2359 FR, classical Mx, tlk, Nk, s/off. NA, (D'Angelo 5/18) (Jordan *0600-0615 FR 6/3)
- 7215 TURKEY VoT; *2200-2230 EG, Nk, press review, DX Corner. Good (Fraser 5/8)
- 7225 TUNISIA RTT; 0433-0500 AR, OM w/ sonorous singing/chants in AR, tlks, ID (Jordan 6/5)
- 7250 MONACO TMR; *0342-0355, Mx Box IS, ID & into Germanic sounding pgm w/ bynans. Fair (Lobdell 6/10)
- 7260 NEW HEBRIDES R. Vila; 0800-0923 FR/EG, Nk by OM, varied till 0830, ID, EG pgm of Ohoral singing. //3945 KHz. (Moman-ALBERTA 5/18) (Archer 5/31)
- 7270 POLAND Polish Radio; 0300 EG, Nk (Moore 5/12); 2230*-2300* EG (Fraser 5/8); 0217 EG/0230 Polish (Earhart 5/26)
- 7295T MALAYSIA RM-Penang; 1010-1037 light pop/MOR Mx w/ anncmts by IL in apparent Nhasa 4 Malayian; muffled audio & ARO QRM and No ID but sure sounds like this. f-p (Lobdell 6/5)
- 7300 ALBANIA R. Tirana; 0339 EG, Nk abt American Imperialism (propaganda)//6200 (Earhart)
- 7342 USA-PIRATE St. Louis Free Radio Network; 0620 EG in Lower SideBand, anncr Steve Johnson, Adr. Box 41560, St. Louis 63157, Mx by Doobie brothers, tape of CBS Nk @ 0645. Fair (Mosier 5/11)
- 7345 CZECHOSLOVAKIA R. Prague; 0100 EG, strong, talk on Socialist Revolution (Yami), anncd // 5930, 9540, 9740, 11990, ID. (Archer 5/9); 0300 EG, (Wentzell 5/5) (Semesky 5/14) (Earhart 5/10)
- 7360 USA-PIRATE Syncom 41; 0604-0607* EG, s/off proceedings; ID as "R. Syncom" and as "Syncom 41"; PRC address for QSLs, freq as above, anncd as test xmen. Good signal. (Cunningham 5/25); 0406-0409* EG IDs, "We are the Champions" (Valko 5/25) (Kruszka 5/25) (Wallace 5/25)

- 7375 USA-PIRATE Voice of Venus; 1954, 0230 EG, I tuned in @ 1954 & heard "Hot Child in the City" no IDs but very strong. s/off midsong of "Music Box Dancer" Tuned in agn @ 0230* w/ ID & FRC address. Very Good (Wallace 5/19 & 5/18)
- 7380 USA-PIRATE Radio Joy; *1900-2000* EG, a new pirate playing on classical Mx. ID as "This is Radio Joy, Northern Maine broadcasting on 7380 Kilocycles with a power of 50 watts" "Please send all reports to FrenkX & SpeedX bulletins" IS is Joy of Man's Desiring by Bach. Pegged by S meter & John Fisher heard it with his portable, so it must be more powerful, or closer than Maine. Said broadcasts every Tues, between 19 & 20 hours GMT. Mx is all classical electronic. Anyone hearing them as strong?? (Wallace 5/19, 5/20, 5/21, 5/22 6/3)
- 7387A UNID-?-?-Pirate?: 0450-0530 EG, Some pop Mx, tlk by teenager? (Valko 5/25)
- 7390 BOOTLEG RKM, The Voice of Clipperton; 0615-0637* EG, Old radio comedy, ID as "This is RKM, The Voice of Clipperton" Anncr Phil Harris. Weak in CA. (Mosier 5/18)
- 7396 CIADESTINE: 0329-0340* SP, OM w/ tlks & frequent mentions of Cuba, high QRN, 0336 Violin Mx, IDs but tough to dig out. This may be La Voz de Junta Patriotica Cubana per Glenn's DX Digest report of 6/2, but I'm not sure that I actually heard one of these. Can anyone help??? (Mosier 6/1)
- 7399.5 CIADESTINE LV de la Junta Patriotica Cubana; *0200 ID & SP tlk to 0226* w/ an NA; jammed, but clear on LSB (Behr 6/2)
- 7400A CIADESTINE R. Libertad Cubans?; 0306 SP, Fairly strong w/ SP army or military Mx. I thought I heard part of an ID as "esta es R. Libertad...." TENATIVE (Wallace 6/7)
- 7402A CIADESTINE Unid Cuban?; 0440 SP, EZ SP Mx, Cuban NA to 0451 & gone. Very pro-sounding! (Klein 6/3)
- 7550 SOUTH KOREA Radio Korea; 1405 FR, Mx & Tlk, ID & KR Mx (Grenier 5/17)
- 9330 USA-PIRATE Voice of the Pyramids; *0400-0416* w/ M IDs, rock Mx & s/off. Fair. Tnx to Santosussos's tip. (Krueger 6/7)
- 9360 SPAIN SPR; 0010-0050 EG, ID, "Weekly Mx Review", "Spanish Kaleidoscope" //11775-poor, 11945-fair, 9530-fair. 11880, 9630 listed WRTX as EG, is SP at this time. (Archer)
- 9410 GREAT BRITAIN BEG; 0304 EG, Cantrise on school protests in S. Africa. Good (Wentzell 5/22)(Earhart 5/25)
- 9420 NRTH KOREA R. Pyongyang; 1230 SP, Korean chorus, SP ID (Wentzell 5/18)(Holland 6/8)
- 9460 CHINA R. Peking; 1013 EG?, Female singing, female anncr said something unintelligible due to a heterodyne, then orchestra Mx followed. (Earhart 5/31)
- 9475 EGYPT Radio Cairo; 0300-0326* EG, ID, "Stamp Collectors Club" w/ YL anncr. Bells at 0315 like Big Ben, Mx, Review of Tm's sked. (Archer 5/18)(Kohler 5/28)(Danko 5/16)(Orishin 5/8)
- 9490 CHINA-TIBET Xizang; 1153-1220 LL, Chinese/Tibetan ? Mx, followed by Mx/comment from 1200...Different anncr at 1200. (Gliksmann 5/9)
- 9495 MONACO TWR-MonteCarlo; 0626-0640 EG, YL introduced Dr. Somebody who talked about King Solomon. "Back to the Bible", religious Mx (Jordan 6/2)
- 9505 JAPAN NHK; 0900 EG, Mx, Cantry, (Kohler 6/4); 1800 EG (Wentzell 5/11); 1022 EG, (Earhart 5/31)
- 9505 MALTA IIRA via Radio Mediterran; *2015-2115* EG, rel pgm & Mx, Gospel Mx, "Revival Time" "Forward in Faith". ID & Address requesting reports. occasional fading and noise. (Posporellis 5/13)
- 9515 GREECE VoG; 0135-0148* GK, YL w/ comments & intro to each record. Greek Folk songs. schedule, then s/off. (Jordan 5/26)
- 9520 PAPUA NEW GUINEA NEC; 0730-0804* EG, Internationals & Local Mx, Motorcycle AOS, Mx, New police telephone numbers. Very good reception (Kohler 6/5)(Moman-ALBERTA 5/18)(Klein 5/25)
- 9525 POLAND Polish Radio; 0200 EG, ID by YL, Mx, Cantry on Warsaw Treaty Organisation. (Reitz 5/18)(Sampson 5/5)
- 9535 ARGOLA R. Nacional; 2340-0000* fair w/ hillife, PT OM ID & drums, NA & off(Krueger 6/7)
- 955URP EL SALVADOR R. Nacional; Tnx Crawford for tip, noted back after years off 2100-0500* w/ NA //655 KHz. LA/EG pope and ranchera Mx, many R. Nac. de El Salvador IDs, Sunday soccer promos. 6/7. Also noted 6/8 *1400 all day; xInt and have on tape. (Krueger)
- 9555 EL SALVADOR R. Nacional; 0131 SP, ID after Benny Goodman Mx, Tnx Neal Purdue for tip. (Jones 6/8); 2145 SP (Klein 6/7)
- 9565 MALTA DW Relay via Cyclops; *0120-0150* EG, IS, ID, QRM from 9570, Mx, "Monday Magazine" survey of Europe's most expensive cities. NOTE: WRITE & TELL THEM if YOU Appreciate 30 minutes of English!!! (Archer 6/1)(Thompson 5/30)
- 9570 AUSTRALIA R. Australia; 0820 EG, Focus, Business Report on Coal availability in Australia. Fair to Good (Mosier 5/12)
- 9575 ITALY RAI; *0100-0120* EG, Bells, YL ID, Adr. P.O. Box 320 Rome. Mx by YL, light pop Mx @ 0115. Fair-good (Archer 5/27); 0515 EG (Merkel 5/17)
- 9575 PORTUGAL R. Portugal; 0510 EG, Mx, ID, Pgm & freq schedule. cantry (Samuel 5/9)
- 9580 AUSTRALIA R. Australia-Shepparton; 1100-1300 EG, "Australia Tonight" w/ special Features for ANZAC Day (Grishin 4/25)(Holland 6/8)(Wentzell)(Archer 6/1)
- 9585 SOUTH AFRICA RSA; 0156-0246 EG, IS, Time pips, IDs, orch, Mx, freqs, Mx, Economic Mx, Sat Night RSA. (Thompson 5/25)(Wentzell 5/14)(Ketzis 5/18)(Reid 5/18); 2100-2150 EG, Mx, World Affairs, Science World, Mx in Brief, ID's. //11900 & 15155 (Browne 6/6)

- 9590 NETHERLAND ANTILLES Radio Nederland via Bonaire; 0302 EG, Interview with Police Union on Riot Control. Good (Wentzell 5/22)(Earhart 5/25)
- 9600 CUBA Radio Moscow Relay; 0035-0055 EG, Tlk on Education in USSR, Orch Mx, vocal, tlc on Soviet Industrial Center. Piano Mx (Thompson 5/28)
- 9605 VATICAN Vatican Radio; 0100-0115 EG, Popes Visit to Africa (Grishin 5/9)(Bodle 5/6)
- 9605 NORWAY R. Norway; *0000-0028* EG, IS, ID, NX by OM & YL. Interviews & Pop Mx. QRM from 9610 in SP (Archer 6/2)
- 9610 AUSTRALIA ABC; 1200 EG, Irish Jig Mx, details of upcoming dance in Albany. (Grishin)(Jordan 6/4)(Archer 5/17)(Wentzell)(Earhart 5/31)(Holland 6/8)
- 9610 SOUTH AFRICA RSA; 0155-0230 EG, IS, ID, Orch Mx, time pips, TC's, Mx, comments on South Africa. (Thompson 5/29)
- 9615 USA KGEI; 1110 SP, Religious Mx (Holland 6/8)
- 9620 YUGOSLAVIA R. Yugoslavia; *2215-2230* EG, IS, ID by YL, fcy & pgm annmnts. Mention of Cuban exodus to the US, & Tito's Funeral (Jordan 5/10)
- 9630 SPAIN SFR; *0005-0100 EG, Mx, "Kaleidoscope", Tourism, Folk Corner, Spanish by Radio, Fair w/ flutter, QRM de R. Sweden. (Fraser 5/14)(Wentzell)(Merkel 5/12)(Reid 5/24)(Ketlis 5/25)
- 9680 UNID IA: IA w/ SP pops, OM DJ noted irregularly 5-24+ 1500-1730 weak in QRN. Not // Colombia-9635 or Cuban. Since Occidente-9571 in the same time, it might be R. Monagas or Puerto La Cruz, last listed in WRTH'76. (Krueger)
- 9690 ROMANIA R. Bucharest; 0135 EG, Declaration of participation to the Warsaw treaty to avoid a new war, topics on Woodcreeper Vida Geza (Byron 5/17)
- 9694.5 KAMPUCHEA VoKP; 1200-1215 EG, ID, NX by YL, Cntry by OM, lots of QRN, but good signal. (Williams 5/22)
- 9694.7 KAMPUCHEA VoKP; 1206 EG, NX by YL, dinner Mx, ID, into FR @ 1215 (Moman-ALBERTA 5/11)
- 9695 BRAZIL R. Rio Mar; 0930-1008 PT, w/ vocals & Ads, full & singing recorded IDs @ 1000 w/ NX broadcasts by OM, ID @ 1008 & still going strong at 1008 tune out; good strength but poor modulation. (Lobdell 6/14)
- 9705 BRAZIL R. Nacional de Rio; 0030 PT sports & Bras. Mx to 0300* TC's for Rio, and mention of R. Nacional; heard daily since 5/5 apparently from former xmtr (Behr 5/12)
- 9715 UNITED STATES WYFR; 0230 EG, Insight, rel Mx... (Sampson 5/21)(Wentzell)
- 9730 GERMANY (EAST) RBI; 0030-0040 EG, YL w/ lengthy exposition concerning housing construction programs. Promised to shorten waiting periods for housing (Jordan 5/30)
- 9745 ECUADOR HCJB; 0230-0300 EG, DX Party Line with an interview with Arthur Cushen, who says he first heard HCJB in 19351 //better 15155 KHz. (Archer 6/3)(Mosier 6/3)(Sampson 5/16)(Wentzell)(Earhart 5/14)
- 9745 IRAQ R. Baghdad; 2130-2200 EG, ID, freq. NX by YL, AR Mx. (Reynolds 5/4)(Moman-ALBERTA 5/24)(Danko 5/11)(Archer 5/17)(Kohler 5/28)
- 9770 AUSTRIA ORF; *0130 EG, Report from Austris, NX (Reid 5/27)(Bodle 5/13)(Archer 5/28)
- 9770 HAITI LVEH; *1100-1200 EG, ID by OM @ 1200, religious pgm, "Christian Life Hour" pile-up w/ R. Australia & Unid SP. //11835 KHz. less QRM. deep fades (Archer 6/1)
- 9780 YEMEN ARAB REPUBLIC R. Sana; 0300-0310* AR, OM w/ long monotonous chants, psble ID, later heard with Mid East sounding flute Mx (Jordan 6/5)
- 9815 ISRAEL Kol Israel; 2230-2300 EG, YL w/ Mid East Nx, Mailbag Pgm, DX Pgm at 2252. (Danko 5/11); 0203 EG (Wentzell 5/14)(Earhart 5/14)
- 9835 HUNGARY R. Budapest; *0200 EG, NX by OM. //11910 & 17710 KHz. (Reid 5/21)
- 9995 EGYPT R. Cairo; 1850-1931 AR, //9705 KHz., off @ 1901, back by 1915 but much weaker. (Fotter 5/11)
- 9977 NORTH KOREA R. Pyongyang; 1100-1200 EG, chimes, IS, OM w/ "This is the Korean Central Broadcasting Service, Pyongyang.", NX, orch. Mx (Archer 5/24)(Wentzell 5/23)(Reits 5/22)(Reynolds 5/9)(Williams 5/21)(Kohler 5/27)(Earhart 5/31)
- 10040 VIETNAM VoV; 2120-2125* EG, ID, YL w/ frags. (Archer 6/1); 1226 IN? (Wentzell 5/18)
- 10080 VIETNAM VoV; *1100-1128* EG, ID, NX, Mx, Cntry on Iran/US (Semsky 6/5)
- 10082 VIETNAM VoV; 1120 EG past 1320 in Asian langs, notes since 5/20 (Krueger 5/20)
- 11637 ISRAEL Kol Israel; *0000-0030* EG, NX, discussion on Israel's economy. (Ketlis 5/25); *0100-0130* EG (Ketlis 5/13); 0200-0225 EG (Archer 5/27)(Wentzell 5/14)(Danko 5/12)(Earhart 5/12); 0100 EG (Holland 6/4)
- 11665 KUWAIT R. Kuwait; 1955 EG, NX & ID (Holland 6/8)
- 11680 GREAT BRITAIN BBC; 2000 EG, EG ID as Russian Service of BBC. (Holland 6/8)

Another slow month. My page allocation is 4, but only enough material for about 3. During the summer is an especially good time to correspond with Shortwave stations about their programs. Think about the programs that you listen to regularly. Have you written to that station and told them that you appreciate their efforts. Don't forget your ideas & constructive criticisms. I'm not saying that you should skip DX'ing for the summer; simply take an hour when static levels are high and jot your ideas into a letter. I'm sure the station will enjoy hearing from you. Don't forget to ask for their program schedule. I myself enjoy most programs on Radio Australia, Radio Canada International, VOA, Radio RSA, Radio Nederland, Radio Sweden, Radio Luxembourg & Radio Kuwait. Best of listening!

log report *section*

11700 TO 17699

TERRY COLGAN



- 11700 MONACO TWR: 0430 AM/AR, 0500 TK, 0515* w/ EG ID, g (Behr)
11705 SWEDEN RS: 0201 SW, M w/ t/k, poss nx (Grenier) 0230-0300, 2300-2330 EG, IS, ID, "Panorama", "SCDX" (Archer + others)
11705 AUSTRALIA RA: 1135 EG, nx (Wentzell)
11710 USSR RM: 0110-0119 EG, cmntry, ID (Hensley)
11715 SWITZERLAND SRI: 0145-0215 EG, "Dateline", tlks (Burns + others)
11720 CANADA CBC: NS 1900-1905 FR, nx (Halsema)
11720 USSR RM: *2300-0000 EG, nx, "Moscow Viewpoint", DX pgm (Fraser)
11730 GREECE VOG: 0340-0350 EG, IS, W w/ nx (Archer, Grenier)
11740 OMAN BBC: *0257-0305 EG, IS, site ID, wrld nx, WYFR co-ch (Jordan)
11750 BULGARIA R. Sofia: *0430-0440, 2150-2200 EG, ID, nx, cmntry, lbx (Hensley, Posporelis)
11760 CUBA RHC: 0256-0313 SP, EZL, nx, cmntry, IDs, guitar mx, (Bodle) 0327 FR, IDs, tlks, "hashy" xmtr (Mosier) 0330-0530 EG, usual pgms (Johns, Wentzell)
11780 BRAZIL RNB: 2245 PT, t/k by M, ID, time pips, mx (Reitz)
11790 AUSTRALIA RA: 0711-0732 EG, pop mx pgm w/ W DJ, nx @ 0730 (Howard) June LN shows this freq in use 06-07 & 10-12 hrs GMT in EG--tc
11790v INDONESIA VOI: 1425-1445 EG, vocal/inst mx, nx, cmntry, lbx (Moman, Thompson)
11795 COLOMBIA R. Nac.: 1200-1256 SP, inst mx, IDs (Kowalski, Moore) others)
11800 ITALY RAI: 0100-0120, 1930-1945 EG, nx, IDs, t/k, some mx (Briscoe +
11815 POLAND RP: 0200-0230 EG, nx, cmntry, press review (Merkel, Moore)
Note that this stn is now known as "Radio Polonia"--tc
11815 JAPAN RJ: 1200-1215, 1802 EG, ID, nx, //9505 (Wentzell, J. Williams)
11825 LIBYA SPLAJBC: 2340-0300v* AR, not on every day, //15235 (Behr)
Ken Earhart, believe this is what you heard, instead of R. Kuwait--tc
11825 SOCIETY ISLANDS RT: 0635-0700 EG, M w/ ID, Louis Armstrong & Fats Waller mx, vg (Archer) EG?? the mx perhaps, but not the ID--tc
11830 LIBERIA ELWA: 0710 EG, ID, rel t/k, QRM de RT & HCJB (Archer)
11830 SOUTH KOREA RK: 1619 EG, mx, lbx (Grenier)
11835 SRI LANKA SLBC: 1105 EG, rel pgm, ID (Sampson)
11835 HAITI 4VEH: 1129-1230, 1805-1835 EG, IDs, "Haven of Rest", TCs, nx @ 1200 (Baker, Danko, Glikzman)
11840 GUAM TWR: 0915 EG, checking out debut of new "DX Listeners' Log" pgm 5/30, f-g reception, no QRM but some flutter. Had DX convention info, t/k on log keeping, somehow working into a reading from Revelations. Still, not as obnoxious as the old TWR-Monte Carlo DX pgm. Offers a special QSL for June receptions (Hauser) DX pgm also logged by (Kowalski)
11845 VATICAN VR: 0100-0115 EG, rel cmntrys (Ketzis, Merkel)
11845 CANADA RCI: 0302, 0400 EG, nx, sprts, tlks, vg (Mosier, Wentzell)
11855 SAUDI ARABIA BSKSA: 1930-1937 EG, IDs, pgm on Saudi Arabia (Potter) 2055-2155* EG, ID, lite mx (Archer) WRTH NL shows 2100*--tc
11860 GREECE VOG: 1950* GK, ID, anmts (Posporelis)
11865 WEST GERMANY DW: 0130-0155 EG, nx, tlks, g (Ketzis)
11870 NORWAY RN: 0215-0230 EG, M w/ discussion of composers mx w/ examples, closing anmts, ID, sked (Jordan)
11880 SPAIN SFR: 0025-0200 EG, "Kaleidoscope", "Spain Today", DX pgm, (Calderwood, Hoffmann, Merkel) 0230-0300 SP, M & W w/ nx, IDs, brief mx spots (Danko, Halsema)
11880 ARGENTINA R. Splendid: 1046 SP, "Informa Splendid" pgm @ 1100
11885 TURKEY VOT: 2030-2100 EG, nx, press rev, mx, IDs, //11895 (Browne)
11885 URUGUAY SODRE: 0002-0030v* SP, long ballads, full ID & info in SP/EG, more mx, abrupt s/off (Glikzman, Klein, Reitz)
11890 CHILE VOC: *0158-0205 SP, s/on mid-song, TC, complete ID, time pips over chimes (Cunningham)
11890 EAST GERMANY RFI: 0315 GM, IS, ID, nx (Kruszka)
11890 PHILIPPINES FEBC: 0937-1000 EG, ID, rel pgms, nx @ 0930 (Archer).
11895 TURKEY VOT: 2030-2130 EG, nx, press review, lbx, TK mx, IDs (Browne, Wentzell)
11900 SOUTH AFRICA R. RSA: 0205-0220, 2110 EG, nx, tlks, freqs (Earhart,

- 11905 WEST GERMANY DW: 1930-1955 EG, wrld nx, US rock mx, g (Reynolds)
 11910 ECUADOR HCJB: 0230-0317+ EG, IDs, rel pgms & mx (Danko, Earhart)
 11915 ECUADOR HCJB: 0040-0050 EG, nx, "Today in Review", mx (Hoffmann)
 11920 USSR RM: 0200-0230, 2330-2345 EG, nx, lbx, cmntrys, folk & pop mx (Merkel, Reynolds)
 11925 NETHERLANDS ANTILLES TWR: 0050 EG, rel pgms (Burns) others)
 11925 PORTUGAL RP: 0300-0330, 0500-0530 EG, ID, anmts, nx, tlks (Johns +
 11925 UNIDENTIFIED: 1810-1818, played solid Beatles mx w/o anmts, off suddenly, 4/30 (Valko)
 11938 KAMPUCHEA VOKP: 1200 EG, mixed mx, nx (Sampson)
 11940 CANADA RCI: 0303 EG, nx (Wentzell)
 11940 ROMANIA R. Bucharest: 0130-0200, 0421-0427 EG, nx, DX pgm, IDs, cmntrys, sprts (Hensley, Sampson, J. Williams) (Grenier, Mosier)
 11940 SINGAPORE SBC: 1420-1520 EG, pop & c+w mx, ID, TCs, nx, f w/ het
 11945 NEW ZEALAND RNZ: 0830 EG, nx, cmntry (Gearhart)
 11955 ANGOLA RNA: 0525 PT, afro pop mx, TC & ID @ 0530 (Reitz)
 11955 TURKEY VOT: 2200-2230 EG, nx, DX pgm (Fraser)
 11970 USSR RM: 1330-1400 EG, ID, nx, "Sunday Kaleidoscope" (J. Williams)
 11975 EAST GERMANY RBI: 0130-0215, 0230-0300 EG, ID, nx, cmntry, features, sprts (Semsky + others)
 11990 CZECHOSLOVAKIA RP: 0100-0120, 0320-0352 EG, nx, folk mx, IDs, CZ lang lesson, lbx (Byron + others)
 12000 AUSTRALIA VNG: 0620, time pips, EG ID (Wentzell) Semsky)
 12015 AUSTRIA ORF: 0430-0455 EG, ID, nx, wx, features (Mosier, Samuel,
 12030 USSR RM: 0015-0100, 1358-1411 EG, ID, lbx, nx (Archer, Hensley, Sampson)
 12040 UNITED KINGDOM BBC: *2210-2245* EG, pgm to Falkland Islands (Baker)
 12050 EGYPT RC: 0320-0325 EG, W w/ nx, p (Earhart)
 12070 MONGOLIA RUB: *1220-1250* EG, chime IS, ID by W, nx, lbx, requested rpts (Archer, Moman, Reitz, Wentzell, J. Williams)
 12070 USSR RM: 1900-1940 EG, wrld nx, "News & Views", pop mx (Fraser)
 12095 UNITED KINGDOM BBC: 2302-2316 EG, wrld nx, cmntry, lbx (Halsema)
 14996nf CHINA BPM: 0959, 1159, CW ID, W w/ CH ID, second tones otherwise. Hrd over Soviet. Last listed in WRTH '76 as 5 & 10 MHz, 5/16 (Krueger)
 15012v VIETNAM VOV: 1534 EG, W w/ nx (Mosier)
 15045 GRENADA RFG: 2219-2314 EG, pop mx, tlk abt future pgms, ID @ 2229, UTE QRM for 1 min every 15 (Earhart, Wentzell) (Moman, Mosier, Wentzell)
 15060 SAUDI ARABIA BSKSA: 1842-2259* AR, mx, tlks, IDs, nx, NA @ s/off
 15064 UNIDENTIFIED: *1702-1759* AR, tlk, AR chants, hrd along w/ jammer on I5065, 5/11 & 5/19 (Potter) This is R. Homeland per June LN--tc
 15070 UNITED KINGDOM BBC: 0309, 1830-1915 EG, nx, features, mx (Fraser, Sampson, Wentzell)
 15075 AFGHANISTAN RA: *1900-1928* EG, s/on ID X 4, nx, cmntry, some BBC QRM (D'Angelo, Moman)
 15084 IRAN VOIRI: 0310-0330 AR, mil & patriotic vocals & instrumentals, chimes, ID by W (Jordan) WRTH NL lists this freq 1930-0130 in PS--tc
 15105 GRENADA RFG: 2016-2036 EG, calypso mx, anmts (D'Angelo)
 15120 POLAND RP: 0200-0230, 0300-0320 EG, nx, "This Week in Poland", "Polish Magazine" (Grishin, Moore, J. Williams) others)
 15125 PORTUGAL RP: 0300-0330 EG, IS, NA, ID & anmts, nx, sprts (Kruszka +
 15135 BULGARIA R. Sofia: 2130-2200 EG, nx, mx, DX pgm, lbx, IDs (Browne + others)
 15145 AUSTRALIA RA: 0700-0715 EG, wrld & Aust nx, wx (Samuel)
 15150 USSR RM: 1625 EG, usual pgms, f/o completely at times (Valko)
 15155 ECUADOR HCJB: 0030-0200, 0230-0306 EG, IDs, "Wings of Healing", "Sounds of Joy", "DXPL", "Your Worship Hour" (Egbert + others)
 15165 DENMARK RD: *2158-2205, s/on EG/DN anmts, to SAM & WAF (D'Angelo)
 15170 SOCIETY ISLANDS RT: 0703 FR, island mx, ID, g (Archer)
 15170nf INDIA AIR: 1227-1235 EG, pgm summary, wx, nx, into HD? @ 1235, Delhi QTH per WRTH NL, 5/11 (Buer) (Reitz, Thompson)
 15175 BELGIUM BRT: 0030-0101 EG, IDs, freqs, contest anmts, class & pop mx
 15180 PORTUGAL RJ: *2158-2215 EG, IS, ID, nx, cmntry, into JP @ 2215 w/ EG site ID (Browne, D'Angelo)
 15189 BRAZIL R. Inconfidencia: 2230 PT, sprts, anncd new ZYE call, g til RCI s/on @ 2300
 15215 ALGERIA RTVA: 2255-2301 AR, songs, anmts & poss ID, 4 pip time sig @ 2300, tlk, WYFR co-ch, no def ID but //21725 (Buer)
 15220nf TURKEY VOT: *0420 TR, IS, tlk & mx @ 0427, //15125, both g, 5/26 (Behr)
 WRTH NL lists this freq as 15225--tc
 15220 MADAGASCAR RN: *2030-2120* EG, "Happy Station" (Archer) (Archer, Reitz)
 15225 TUNISIA FTVT: 0450-0600 AR, chants, IDs, tlks. //7225, //11970 not hrd

- 15230 CUBA RHC: 1628 SP, IDs by M & W, nx, very weak, f/o; whole 19 mb gone except for superpowers; even BBC, Iran & WWV absent, 5/1 (Valko)
- 15235nf LIBYA SPLAJBC: 2300-0302v* AR, not daily, //11825, 5/20 (Behr)
VOAH w/ varied pgm fare-tlks, drama, poss poetry readings, few definite IDs, tnx to Will Pickard for tip, cf. June LN-6 under Iraq
--tc
- 15240 YUGOSLAVIA RY: 1530 EG, IS, ID, nx by W (Moman)
- 15250 USA VOA: 2100 EG, nx (Sampson) (D'Angelo)
- 15250 TURKEY VOT: 2206-2224 EG, cmntry, nx, //15360, VOA co-ch, 5/18
- 15255 USSR R. Afghanistan: *0127 IS, tlk & chants, lcl nx @ 0230, //17720 weaker (Behr) Presume lang was Pushto/Dari--tc (Reitz)
- 15260 JAPAN FEN: 0600-0620, 0925 EG, nx on hr, pop mx, IDs (Haysbrook)
- 15265 BRAZIL R. Excelsior: 0125 PT, play-by-play futbol, ID @ 0130 (Hoffman)
- 15270 USSR R. Kiev: 0030-0057 EG, nx, cmntry, DX pgm (Fraser) June LN lists 15275--tc
- 15270 JAPAN RJ: 0600, 1900-1915 EG, nx, IDs, tlks (Burns, Haysbrook)
- 15270 TAIWAN VOFC: 2150-2240 EG, IS, nx, mx, cmntry (Haysbrook, Semesky)
- 15275 USSR R. Kiev: 0030-0100 EG, IS, nx, cmntry, stamp pgm, ID (Hensley, Hoffmann, J. Williams) (Earhart)
- 15280 BRAZIL RNB: 0207-0257* EG, mx to 0210, tlk abt Volkswagen of Brazil
- 15280 USA KGEI: 2130-2157 EG, rel pgm, ID, f (Briscoe) (Buer, Valko)
- 15285 BANGLADESH RB: *1230-1240 EG, ID, IS hrd once, mixing w/ Moscow
- 15290 SWEDEN RS: 0254 EG, "SCDX", ID, closing anmts, RNB QRM (Kruszka)
- 15290 BRAZIL RNB: *0200-0400* EG, IS, ID, "Theatre in Brazil", "The Week in Brazil", nx, PT mx, full sked & freqs (Byron + others)
- 15295 MALAYSIA RTM: 0830-0855* EG, ID by M, nx, mx (Archer) 0910 lang, lcl mx, time pips, M w/ ID, nx (Reitz) (Reynolds)
- 15305 SWITZERLAND SRI: 0145-0200 EG, wrld nx, "Sunday Supplement"
- 15310 JAPAN RJ: 1400-1430, 1608 EG, IS, nx, cmntry (Wentzell, J. Williams)
- 15310 BULGARIA R. Sofia: 2030-2040 EG, IS, nx, p (Posporelis)
- 15315 NETHERLANDS ANTILLES RN: 0204-0212 SP, DX pgm (Halsema)
- 15325 USSR RSP: 0125-0135 PT, piano mx, some tlk to 0129, silence & IS, into SP @ 0130 (Earhart)
- 15325 UGANDA RU: 0330-0415* EG, nx, disco & Af mx, IDs, sometimes abrupt s/off (Archer, Byron, Mosier)
- 15325 CANADA RCI: 1915-1930 EG, lbx, "DXD", into FR @ 1930 (Danko)
- 15330 BULGARIA R. Sofia: 0000-0030 EG, ID, nx, lbx, tlks, contests (Bolland + others)
- 15335v COLOMBIA R. Nac.: 0354-0445 SP, opera mx, IDs, nx (Earhart, Reitz)
- 15345 NEW ZEALAND RNZ: 0415-0630 EG, EZL, tlks, wx, nx, "New Zealand Calling" (Wentzell + others)
- 15345 NORWAY RN: 2200 EG, "Norway this Week" (Moore)
- 15360 TURKEY VOT: *2200-2300* EG, ID in TK/EG, nx, press rev, lbx, "Last Week in Turkey", "Spotlight on Turkey" (Archer, Egbert, Fraser)
- 15375 LEBANON RL: *0130-0330v* FR/AR/EG/SP in ½ hr blocks, IDs, nx, disco mx @ 0245, QRM from jammer on 15370 (Nikolich + others)
- 15385 BELGIUM BRT: 0015-0104 EG, "Saturday Show", "Week in Review", "Today in Belgium" (Jackson + others)
- 15410 RWANDA DW: 1240-1245 EG, nx, s/off w/ Af mx (Buer) 2225-2235 GM, operatic vocals, anmts, IS @ 2230, M w/ anmts, piano mx (Earhart)
- 15415nf LIBYA SPLAJBC: 2000-2315v* AR, //15450, 15235, 6/3 (Behr)
- 15420 ICELAND ISBS: 1930 Icelandic, tlk to 1942, songs to 2000*, USB, g, 6/4 (Behr)
- 15440 PHILIPPINES FEBC: 1456 EG, rel pgm, ID @ 1500 (Moman) (Buer, Semesky)
- 15460rf USSR R. Tashkent: *1200-1230* EG, IS, nx, cmntry, summer freqs
- 15520 CHINA RP: *1200-1230 EG, IS, M & W w/ ID, nx, CH lang lesson (Jordan)
- 15525 USSR RM: 2200-2215 EG, nx, "Culture and the Arts" (Reynolds)
- 15500 COLOMBIA R. Nac.: 0200 SP, tlks, // 15334, 11791, 9635 (Behr) daily 1800-0200+, LSB tho some times sounds like AM (Krueger)
- 15582 ISRAEL KI: 0000-0030, 0100-0125, 2230-2240 EG, nx, "Forum", "Thank Goodness It's Friday", mx (Hensley + others)
- 15790 CLANDESTINE V. Malayan Revolution: *1450 EG, ID X 2, march mx, ID X 2, cmntry, //11830 not hrd (Valko)
- 17605 HOLLAND RN: 0700, *2030-2120* EG, "Newslines", "Happy Station", "Afro Scene" (Archer, Fraser, Johns)
- 17662 PAKISTAN RP: 1040-1110 Urdu, regional mx, poss nx, EG ID by M, slo-speed nx (Fraser)
- 17680 CHINA RP: .0210-0220 EG, nx, CH mx, p (Ketzis)

J80 loggings except as noted. That's all for this month. 73 de tc

Terry

log report section

17700 & ABOVE



BRETT SAYLOR

- 17700 EAST GERMANY R Berlin Int'l; 1400-1430 EG, nx by W, sports, cmtry on Festival of Friendship (Williams 5/25)
- 17705 CUBA R Habana; 1548 SP, ID's by M, LAM and EZ listening mx (Valko)
- 17705 CZECHOSLOVAKIA R Prague; 1430-1500 EG, nx, cmtry -- SEAsia & Pacific svc (Williams 5/15)
- 17710 HUNGARY R Budapest; 2315 SP, children's chorus mx, anncd as "R Hungary" (Halsema); 0040-0130 EG, nx & cmtry (Archer 5/22, Thompson *0200-0230* EG, nx, cmtry, & mx (Semesy 5/27)
- 17710 ISRAEL Kol Israel; 0415 HB, classical mx (Bocherini, Mozart)(Byron)
- 17720 USSR R Afghanistan relay; 0400 local tlk & mx, 0430 TS & nx; strong and clear, // 15255 in QRM (Behr 5/28)
- 17730 USA VOA Greenville; 0148-0200 EG, Dateline, interviews (Halsema)
- 17760 SWITZERLAND SRI; 2318 PT, request pgm (Halsema 5/10)
- 17770nf WEST GERMANY DW; 2031 GM, Hit Parade, ID's, anncd site as FRG; for Africa (Munster 6/5) Sorry I can't check BBCMS for this, Ralf..bs
- 17775 USSR RM; 2020 EG, Dress Fashions-Past&Present in Moscow (Pospore-
- 17785nf INDIA All India Radio; *0430-0455 AR, IS, ID by M, into (lis) chants; tlks by M @ 0436, instrm mx, back to chants (Jordan 5/29)
- 17795 AUSTRALIA RA Shepparton; 0130-0417 EG, nx, special feature pgms, good signal w/ QRM de RAI (Jordan 5/29, Wentzell, Ketzis)
- 17795 ITALY RAI; 0355-0411 EG, nx by W, mx, //15330 poor (Jordan 5/29)
- 17820 CANADA RCI; *1800-1829* EG, IS, ID, DX Digest; does anyone else think gn's midweek DX tips ought to be heard later than 2140? Write RCI! (Archer 6/1) 0133 SP, nx, features; fair (Halsema 5/10)
- 17850nf ECUADOR HOJB; 1940 SP, to SAM, nx, ID, mx (Buer 5/26)
- 17850 USA WYFR; 0029 EG, Open Forum, Radio Reading Circle; addresses for US & UK, vry good (Bodle 5/5) transmitter site is Okeechobee Fla.
- 17855 CHINA R Peking; 0000-0100 EG, ID, nx, cmtry (Williams, Reid, Archer)
- 17855 CANADA RCI; 0645-0700 EG, nx //11855, 7155, 6140 (Johns 5/27)
- 17860 NEW ZEALAND RNZ; 0355-0610 EG, nx, sports, classical mx, wx (Haysbrook, Hensley, Wentzell)
- 17860 CHINA RP; 0600-0157* EG, nx, CH mx, cmtry; //17680 not as strong (Bodle 5/11)
- 17870 USSR R Kiev; 0030-0100 EG, ID, nx, Kiev Mailbag (Williams 5/24)
- 17900 VATICAN STATE VR; *1600 EG, pgm to C,S,W Afr. ID's & freqs (Valko)
- 17910 PAKISTAN RP; 1600-1615 EG, ID, slow-speed nx by M (Williams 5/24)
- 20008 CHINA BPM Time Station; 2330-0230, 1330-1500, alternating 5-min periods, ticks every sec, beep on the min. Morse ID and voice (F) at :29 and :59m (Potter) ge)
- 21450 EAST GERMANY RBI; 0545-0630 EG, nx, cmtry, Weekend Magazine (Geor-
- 21460 USA VOA Delano; 0220-0230 EG, Breakfast Show (Halsema 5/10)
- 21460 BELGIUM BRT; 1557 FR, drum IS, ID & anncmts into mx. g (Mosier)
- 21475 FINLAND RF; 1430 EG, nx & tlk on Olympics boycott (Grenier 5/25) (Hoffmann)
- 21485 UNITED ARAB EMIRATES Dubai RTV; 0615-0820 AR, tlks by M&W, vocal mx selections, comedy skits; good signals but many xmtr breaks; full ID's per WRTVH at 0745, 0800, 0816 (Cunningham 5/18, Behr)
- 21490 ASCENSION ISLANDS VOA (site per QSL); 1014-1034 PT, nx & cmtry, ID's (Gliksmen 5/18)
- 21505nf SAUDI ARABIA BSKSA; 1300 AR, nx, ID, mx (Buer 5/10)
- 21515 FRANCE RFI; 1615 EG, disco mx, tlk abt Pope's visit to Afr (Valko)
- 21515T AZERBAIJAN SSR R Baku; 0143-0159* TK, cmtry by M, frequent mnt of Azerbaijan but no ID hrd; freq given at abrupt s/off. Woodpecker-type QRM (Baker 5/28)
- 21525 AUSTRALIA RA; 0457 EG/FR, mx, Waltzing Matilda into FR @ 0459 (Wentzell 5/11)
- 21535 SOUTH AFRICA RSA; 1300-1330 EG, ID, nx, mx requests (Williams 5/28)
- 21540 EAST GERMANY RBI; 1120-1128 EG, to SEAsia; listeners questions, ID @ 1128 (Buer 5/17)

an excellent turnout this month --- thanks to you great reporters!

- 21545 KUWAIT R Kuwait; 0500 EG, s/on, '40s mx, fair (Moman-Alberta 5/13)
- 21560 WEST GERMANY DW; 2730 SP, Immortal Melodies light operetta, // 15105 better; SP segment *2300-0030* (Munster 6/4)
- 21560 MALTA DW; 2128 PT, to SAM, IS w/ ID, EG xmtr ID @ 2130 (Buer 6/1)
- 21570 SWITZERLAND SRI; *1315-1345*, 1530-1600 * EG, nx & features (Hoffmann, Reynolds, Ketzis, Wentzell)
- 21570 USA AFRTS Delano; 0140-0148 EG, Yankees vs Minnesota (Halsema 5/10)
- 21580 FRANCE RFI; 1605-1653 EG, ID, nx, special bulltn on Pope's Afr. visit (Semsky 5/30)
- 21590 PAKISTAN RP; *0230-0245* EG, dication nx, read normal speed @ 5/22 (Archer, Johns 5/24)
- 21590 MALTA DW; 1333-1340 Indonesian, to SEAsia, US pops, ID, f (Buer 5/25)
- 21615 SWEDEN RS; 1400-1430 EG, ID, nx, sports, Press Review (Williams)
- 21615 USA WYFR; *1608 RS, ID "Govorit WYFR," vry good (Valko 5/1)
- 21620 FRANCE RFI; (time??) EG, PCA, nx, good (Mosier 5/27)
- 21635nf ALGERIA RTVA; 1700-1710 FR, ID by W @ 1700, nx by M to 1703; US pops/rock mx. New freq for summer--beautiful reception (Buer 5/18) 1930-2015 FR/EG, tlks by M&W in FR, pop mx, ID's; into EG @ 2000 w/ ID, annmcs, sched, mx interlude of "Knights in White Satin" by orch, world & local nx; fair-poor (Jordan 5/24) 2000-2030 EG, M w/ nx to 2019, rock, disco mx, ID's, fair-good (Mosier 6/4, Browne, Archer) Voz de la Resistencia Chilena; 0005-0035*v in SP, good (Behr into SP at 2030.... heard here 6/19 @ 1715 in FR, with modernized "Joy" by Bach in FR, tlks by M & W, off suddenly at 1721; fair..bs
- 21640 JAPAN RJ; *0130-0230 EG, nx, ID, Japan Today, QRM from OC's on 21635&21640, improved by 0230; // no good (Archer 5/22)
- 21645 UNID 1830-1936 lang, tlk by M & 2 W, band & march mx, sports, cmtry piano notes (IS??) at 1830 then ID as "This is Hesterdam," all on LSB (Briscoe 5/15) also heard here 6/19 with Afr drum-type IS @ 1730 vocals in unid lang, SSB reduced carrier, perhaps a feeder for someone?? Will check further...bs
- 21655 PAKISTAN RP; 1110-1115 EG, dictation nx, ID & IS at 1115, then lang; QRM from BBC 21660 (Buer 5/17)
- 21655 NORWAY RN; 0500-0515 EG/NO, M w/ sched & freq's in NO, EG ID, then NO nx; good (Jordan 5/29)
- 21675 ISRAEL Kol Israel; 1228 EG, local ads for Ford cars built in Israel nx headlines 1229, into another lang (Moman 5/11) 2000-2030 EG, ID, nx, Forum (Williams 5/28) 0000&0100 EG, //21495, 21600, 21710, all good, but heard one day only, 5/19 (Behr) (Halsema)
- 21700 PORTUGAL RDif Portuguesa; 2043-2101 PT, disco mx, chimes, anthem
- 21725 ALGERIA RTVA; 1400 AR, mx, past 0600, good all day (Behr 5/17) 0025-0100+ AR, ME mx, time pips & annmcs by M at 0100, nx; ID per BBC WRC, still strong at 0230 (Buer 5/9)
- 21715 ALGERIA (out of order) Voix de Sahara Libre (assumed); 2245-2258*FR, w/ political commentary, ID as "Vous etes a l'ecoute du programme special de l'occasion du 7 eme anniversaire du declenchement de la lutte de liberation nationale en Republique Arabe (couldn't catch the key word due to unusual Arab accent) Democratique sous la direction du front Polisario...vous etes a l'ecoute de la Voix du Sahare Libre..." followed by brief mx signature, shrt AR annmct, military mx (prob the NA), good-vry good signal (Brooker 5/19)
- 21735 MOROCCO RTVM; 2256-2310 AR, chanting, instrm mx, ID on hour, "Huna Ribat" into nx or cmtry w/ mx between items; vry good (Brooker 5/19)
- 21740 AUSTRALIA RA; 0100-0230 EG nx, cmtry, mx (Browne 6/7, Hensley, Reynol
- 22290h USA (Pirate) Voice of the Lumpfish; 1754-1810 EG, pop mx, sports ds) nx, mnt TMIDXA outing over air; claimed QTH in Altoona PA w/ 1kw; QTH is suspect as they mispronounced Bellefonte. f-g, 3x 7430, fund also hrd. (Moore, Lang, Kleppick, Hoffman, Cucura, Barto, Bares, Taylor, Cartwright, 6/15 at TMIDXA outing in State College, PA) re)
- 23710h SAUDI ARABIA BSKSA; 2113 EG, class mx, 2x 11855, fund also hrd (Moo-
- 26020 ECUADOR HCJB; 0100-0130 EG, ID's, time pips, mx (Thompson 6/4)

Many interesting reports this month! Hope you all continue to listen during the summer months--conditions look promising. I've just finished 4 yrs of intensive study at Penn State, and am ready to move into the working world. I'll be residing in Allentown PA and look forward to meeting area DX'ers. Until August, 73's... *RSD*



SPECIAL *feature*



The following article is published with the permission of Radio Japan. It appeared in a booklet sent out by NHK entitled "HOW TO LISTEN TO RADIO JAPAN" and is probably the best information available on the SINPO code.

HOW TO WRITE A RECEPTION REPORT

Various kinds of code are used for writing reception reports. The most widely used code today is the SINPO code, which stands for the initials of Signal Strength, Interference, Noise, Propagation Disturbance and Overall Rating. Each item is classified into five scales. Best is given as 5, and worst as 1. For example, 5 in Item "S" means the signals received are fairly powerful. 1 in Item "S" means signals are barely audible. Likewise, 5 in Item "I" means no interference, and 1 extreme interference. All these are shown in the table below.

Rating Scale	S Signal Strength	I N P Degrading effect of			O Overall Rating
		I Interference	N Static Noise	P Propagation Disturbance	
5	Excellent	Nil	Nil	Nil	Excellent
4	Good	Slight	Slight	Slight	Good
3	Fair	Moderate	Moderate	Moderate	Fair
2	Poor	Severe	Severe	Severe	Poor
1	Barely Audible	Extreme	Extreme	Extreme	Unusable

In entering a reception report using the SINPO Code, you are asked to begin with Item "O", which indicates how clearly the broadcast you are listening to is audible. Each of the five scales in this item can be given as follows:

5. Excellent. Comparable to the reception of local broadcasts.
4. Good. Speech intelligible, perfectly and easily.
3. Fair. With some effort speech is intelligible.
2. Poor. With considerable effort speech is intelligible.
1. Unusable. Barely audible.
- X. Entirely inaudible.

Here are some examples of entry:

If you think reception conditions were perfect, then you write in 5 out-right in each of the S, I, N, and P columns as in the "O" column:

SINPO
55555

If you think they were good, you write 4 in the "O" column, and think over the reason why you could not give the best marks. Although you have no measure, you may think the signal is strong enough and there is no static or fading, but you cannot give full marks as there is a slight interference from another station between speech. In that case the form should be filled in thusly:

SINPO
54554

If you think the reception was not good and considerable effort was required to understand speech, the overall rating will be 2. Then let us investigate the reason why you have given a 2. The signal does not seem to be so strong and the interference is heavy; in addition there is some fading which introduces some noise. If this is the case, you should complete it thus:

SINPO
32332

CREDIT



Distributing Ed:

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WATERTOWN, CT 06795

The deadline for all log reports is the 12th of the month.

Rowland F. ARCHER, Jr., Hillsborough, NC (DX-300)... Donald R. BAKER, Millboro, DE (RF-4900)... Ernie BEHR, Kenora, ONT (SPR-4)... James C. BODLE, Canastota, NY (RF-2800, S-108)... Charles BOLLAND, Lakeworth, FL (FRG-7000)... Arthur G. BONNET, W. Lafayette, IN (DX-160)... Kenneth L. BRISCOL, New Albany, IN (RF-2900)... Mike BROOKER, Toronto, ONT (RF-2200) Robert W. BROWNE, Memphis, TN (RF-2200)... Paul BUEH, Miami, FL (SPR-4). Mark BURNS, Terre Haut, IN (RF-4900)... Leslie BYRON, Laurelton, NY (Patrolman 9)... Michael J. CALDERWOOD, Denver, CO (FRG-7)... Vladimir CUCURA, Reading, PA (FRG-7000)... Larry CUNNINGHAM, Columbus, OH (FRG-7000)... Richard A. D'ANGELO, Wyomissing, PA... Larry S. DANKO, Livingston, NJ (BCR-101)... K.A. EARMART, Allentown, PA (NRD-505)... Rich ECKMAN, Rockford, IL (RF-4900)... Frank EGBERT, Brooklyn, NY (FRG-7) Marlin A. FIELD, Hillsdale, MI... Bob FRASER, Cohasset, MA (XCR-30)... E.W. GEARHART, Springfield, OH (SPR-4)... Charles GEORGE, Dallas, TX (SSR-1, RF-2600)... Sholom GLIKSMAN, Chicago, IL (RF-2800)... Maxfield GREENWOOD, Devon, PA (BCR-101)... Steven GREENYER, Invercargill, NEW ZEALAND (ICF 6800)... Pete GRENIER, Azusa, CA (FRG-7)... Ivan GRISHIN, Don Mills, ONT (XCR-30)... James J. HALSEMA, Washington, DC (ICF 6700W)... Editor Glenn HAUSER, Knoxville, TN (FRG-7, FRG-7 mod)... D. HAYSBROOK, Layton, UT... Baxter W. HENSLEY, El Paso, TX (FRG-7)... Charley HOFFMAN, Manheim, PA (FRG-7)... Emmett J. HOFFMAN, St. Louis, MO (518-1, R-1530)... Ron HOWARD, Santa Barbara, CA (SB-310, HQ-180A)... Kenny JOHNS, Jackson, TN... J.R. JONES, Jackson, MS... Rufus JORDAN, Pittsburg, PA (DX-300, Transoceanic)... Sandor I. KETZIS, Woodbridge, VA (ICF 5900W)... S. David KLEIN, Gainesville, FL (DX-160)... Paul KOWALSKI, Milwaukee, WI (SX-190, RF-2900, RF-2200, A2515)... Editor Terry L. KRUEGER, Casselberry, FL (RF-4900, QR-666)... Jeff KRUSZKA, Elyria, OH (JC Penny 8-band)... Chris LEITHNER, Brentwood, TN (DX-160, RF-2200)... Richard H. MERKEL, Union, NJ (DX-300)... Don MOMAN, Edmonton, ALB (R-7, SPR-4/FS-4)... Don MOORE, Bellefonte, PA (XCR-30)... David C. MOSIER, San Jose, CA (FRG-7)... Ralf F. MUNSTER, Decatur, GA (R-7/DR-7)... Mike NIKOLICH, Chicago, IL (SPR-4, HQ-180)... Neal A. PERDUE, Falkville, AL (SX-100, SW-4A)... James POSPORELIS, Troy, NY (RF-2200)... Martin H. POTTER, Limoges, ONT (R-4C, SB-310)... Ben RADCLIFF, Ottawa, IL (SB-310)... Andy REID, Peterboro, ONT (S-53A)... David REITZ, Fern Creek, KY (DX-160)... Bill REYNOLDS, Amherst, NY (DX-300, SW-4A, DX-40)... Daniel V. SAMPSON, Black River Falls, WI (DX-300)... Chris SAMUEL, Winnipeg, MAN (RF-2800)... Thomas SEMESKY, Gary, IN (FRG-7)... Glenn L. THOMPSON, Deming, NM (FRG-7)... Dave VALKO, Dunlo, PA (FRG-7, DX-160)... Andrew WALLACE, Chelmsford, MA (HRO-50PT, NC-2-40D)... Robert L. WENTZELL, Moorhead, MN (FRG-7, SSR-1) John D. WILLIAMS, Bloomington, MN (R-4C, R-4B, SPR-4).....

Down to 66 reporters this month. Let's not let that total drop down much further. Report! See you next time with, hopefully, a better typewriter.....

Gregg

FOR SALE: Hallicrafters SX-133 General Coverage Receiver in excellent condition with instruction manual and schematic. Original carton. Price \$150.00, you pay UPS. Bill Alder, 6663 Crown Ridge Drive, San Antonio, TX 78239. Phone (512) 653-6935, not collect, please.

FOR SALE: BCR-101, one year old in mint condition with manual and original carton and packing. Price \$200.00. Jim Francis, 1161-129 St. College Point, NY. Phone (212) 539-2602, not collect, please.

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NASWA ABBREVIATIONS

The following abbreviations are the ones most often used, especially by the Log Report editors. Though it might be desirable to spell out words rather than to abbreviate, the use of abbreviations permits the inclusion of more items in the space available. When reporting, you can also use the same abbreviations, but feel free to write out anything that might be ambiguous. All the times used in FRENEX, except where otherwise indicated, are in the 24-hour GMT (Greenwich Mean Time) system.

a	approximate	mx	music
ARO	Amateur Radio Operator (ham)	NA	National Anthem (or North America)
BBC MS	BBC Monitoring Service	NF, nf	new frequency
BBC WS	BBC World Service	nx	news
class mx	classical music	pgm	program
cmntry	commentary	QRK	Readability
CW	continuous wave	QRM	Interference
DJ	disc jockey	QRN	Noise (static)
EIR	East is Red	QSA	Signal strength
EL, EZ	easy listening music	QSB	Fading
FBIS	Foreign Broadcast Information Service	QTH	Geographical location
f/in	fade in	relig, rel	religious
f/out	fade out	rev	revolutionary
freq, fqy	frequency	RF, rf	reactivated frequency
fund	fundamental	s/b	should be
h, harm	harmonic	SSB	single sideband (LSB = lower sideband, USB = upper sideband)
het	heterodyne	SWC	"Shortwave Center", FRENEX
HS	Home Service	svc	service
ID	identification	t	tentative
Int	Internationale	TC	time check
IS	interval signal, identification signal	tlk, tk	talk
ITU	International Telecommunication Union	unid	unidentified
lang	unknown language	ute	utility station
lbr	letterbox, mailbag	v	varies (or very)
LL	language lesson	w/	with
LN	"Listeners Notebook"	w	woman
LR	"Log Report", FRENEX	WS	BBC World Service
lvl	level	wx	weather
lcl	local	xmsn	transmission
M	man	xmtr	transmitter
mod	modulation	//	parallel
MOR	middle of the road mx	*0000	s/on (sign on)
		0000*	s/off (sign off)

Geography:

Afr, Af	Africa(n)	LAm, LA	Latin America(n)
As	Asia(n)	NAm, NA	North America(n)
CAM, CA	Central America(n)	Pac	Pacific
ECNA	East Coast N. America	SAm, SA	South America(n)
Eur	Europe(an)	SEAs, SEA	South East Asia(n)
FE	Far East	WCNA	West Coast North America

Languages:

AK	Afrikaans	EG	English	IN	Indonesian	RS	Russian
AL	Albanian	FS	Farsi	IT	Italian	SC	Serbo-Croatian
AR	Arabic	FN	Finnish	JP	Japanese	SP	Spanish
AM	Armenian	FR	French	KR	Korean	SH	Swahili
BG	Bulgarian	GM	German	LH	Lithuanian	SW	Swedish
CH	Chinese	GK	Greek	NO	Norwegian	TT	Tahitian
CZ	Czech	HB	Hebrew	PL	Polish	TK	Turkish
DN	Danish	HD	Hindi	PT	Portuguese	UK	Ukrainian
DT	Dutch	HG	Hungarian	RM	Romanian	VT	Vietnamese

Reporting signal quality:

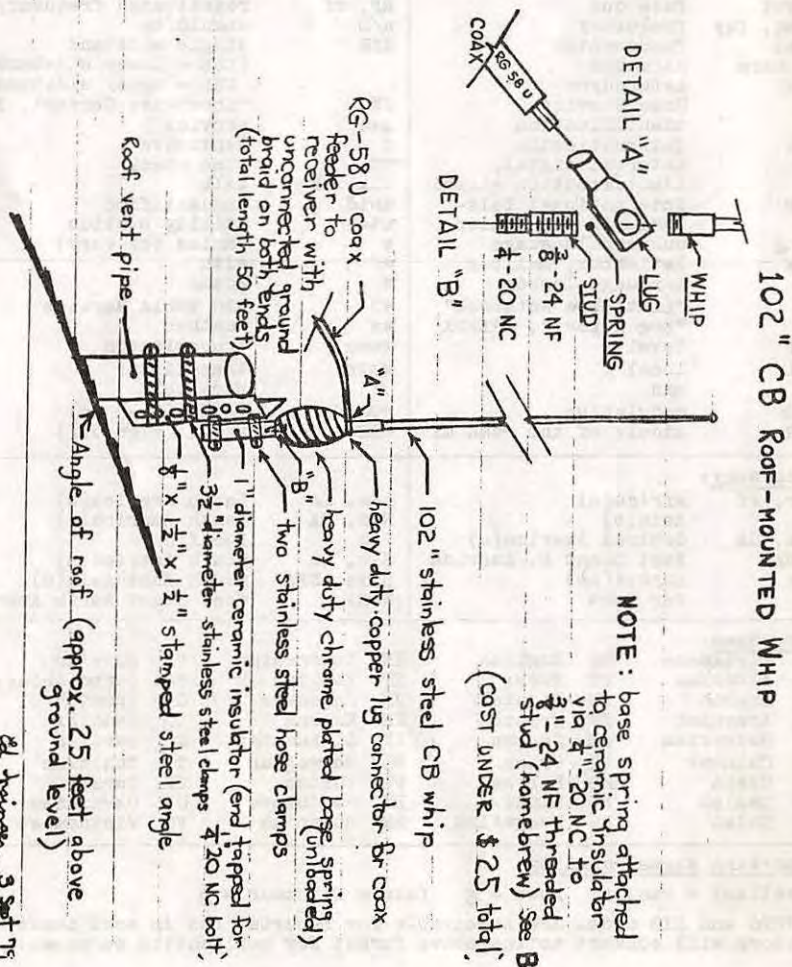
excellent = exc, e good = g fair = f poor = p

(SIFPO and SIO codes are acceptable for reports, but in most cases editors will convert to the above format for publication purposes).

ANTENNAS/ACCESSORIES

EDITOR: Mike Agner c/o Delphi Associates 169 Merrimack St 4th Floor Lowell Ma 01853

Hi all! This month I have a diagram of a CB whip which is 102" long that fellow NASWAer Ed Insinger, now of Summit NJ, used to put a vertical antenna on his apartment roof. He now uses it on the HF bands below CB, thru the ever popular SX59 preselector. Before I present it, the terms used are as follows: NC-national coarse, with NF-national Fine. The first set of digits (the fraction) is the size of the thread, I believe, but I don't know what the whole number following it refers to. Any good machine shop should be able to answer these questions. Best 73s, all...Mike



Ed Insinger 3 Sept 79

ANTENNAS/ACCESSORIES

EDITOR: Mike Agner c/o Delphi Associates 169 Merrimack St. 4th floor
Lowell Ma 01853

Hi all! This time I have a real treat. For around 2 months or so, I have had the pleasure of writing back and forth with W. Conrad Richardson of Lynchburg Va. When it comes to describing a room full of accessories, I must admit Con has it hands down! What does he have? Well, let's take a look-see, shall we?....

ANTENNAS: 130 foot random wire with a pi network tuner
5 band doublet (dipole) fed w/RG58U coax. This is how he describes it:

"...I cut a 9 Mhz doublet from the #14 (insulated copper wire), then cut doublets for the 11, 15, 17 and 21 Mhz bands from 4 conductor TV rotator cable..." (paraphrased from letter on 8/23)

19 meter dipole oriented broadside to Japan, Korea, ect.
8 band (yes, you saw that right, 8 bands) vertical, fed w/RG58U coax. (This is a real masterpiece of work. I will quote from his 8/23 letter again, in order to show you just how he accomplished this feat.....)

"For the vertical, I used (an) idea presented by Neal Perdue in the Nov 1975 Frendx (cutting verticals to the formula $234/f$ (in Mhz) gives L (length) for $1/4$ wave)..."

Thus the #14 wire is cut for the longest. Neal suggested 46 foot 8 inches which would tune 60 and 19 metres...Take the 4 conductor cable and strip insulation from one end and twist them together. Cut the (cable) over all length to 39 foot 10 inches, stripping 6 inches for an egg insulator. Come down 33 foot from the twisted end and cut 3 wires of the cable. This element will cover 40 metres and 13 metres. The next cut is at 24 feet 3 inches which gives 31 metres. The final cut is 19 foot 9 inches and that's for 25 metres...All of the ends of the wire are soldered together and attached to the inner conductor of the RG58U. The braid of the coax is grounded at the base of the antenna...by 4 copper ground rods. (Conrad goes on to say that this whole thing is hung on a tree limb about 50 (!) foot high!! All I can say is.. .WOW! mja)" What a farm, eh? Makes me jealous.....

Accessories: 10k linear taper pot w/built in on/off switch. This acts as an outboard RF gain control for the FRG7.

GE "Mastr" communications speakers

Telex C610 headphones

Ameco PT (?) preselector (is this the one built for use on transmitters, Con?)

GAR7 digital readout

BC221 Frequency meter

Westclox 12 inch 12 hr clock

Digi Key kit that gives 12 or 24 hour formats with a flick of a switch. The QTH for this organization is

Digi-Key Corporation

P.O. Box 677

Thief River Falls Mn 56701

The next thing Con describes is a method for improving the selectivity of the FRG7. He has an old BCR274N receiver (which tunes longwaves) which he uses in the following manner...he taps the 455 kc from the end of the lattice filter in the FRG7 and feeds it to this receiver-which has 85 Kc intermediate frequencies! (Sounds nice- but how is the shape factor on the filters? That's the important thing...mja)....

Incidentally, don't try this unless you're very familiar with IF circuitry. Tap the wrong point, and you could be minus 1 receiver in a real hurry Out of room again?? I have more from Conrad, but not much more from you people out there! How abt it people?? 73s

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in each issue of FRENCH). It is only available to NASWA members.

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