



Welcome to 60 new members joining during March. We hope they find their new membership to be helpful.

- | | |
|---|---------------------------------------|
| ASTLE, Edward, Guantanamo Bay, Cuba | MIKI, Takahito, Tokyo, Japan |
| BAILEY, C.W., Holden, MA | MOORE, Raymond S., Walpole, MA |
| BARTUNEK, Ewald, Vienna, Austria | MORCK, David, Downey, CA |
| BEEDE, George H., Mansfield, MA | MORONEY, John J., Jr., Sharon, MA ** |
| BLACK, Allen, N. Myrtle Beach, SC | MURPHY, William S., Troy, NY |
| BLISS, Laurence T., University, AL | NOVELLO, Jay, Endwell, NY |
| BOESSENECKER, John, Mill Valley, CA | O'SHEA, Bernard E., Ottawa, Ont. |
| BROWN, Greg D., Lansing, MI | PAULLING, John, Raleigh, NC |
| BURDETTE, Clyde, Madison Hgts., MI | PEPPER, I.H., Long Beach, WA ** |
| BUSSE, Otto, Farmingdale, NY | PIETRZAK, Clarence E., Chicago, IL |
| CHICOINE, Rene, Montreal, Que. | PRIDDY, Gary K., Mayodan, NC |
| CRAFT, G.T., Tulsa, OK | RAFFLE, Ms. Sandy, Chicago, IL |
| DAVIES, Stevan L., Melrose Park, PA | RENNEKAMP, John, Lakewood, OH |
| DOYLE, David H., Quincy, MA | ROGERS, Raymond E., San Francisco, CA |
| DOYLE, Jim, Port Washington, WI | RUGGLEY, Robert H., Chicago, IL |
| EASTMAN, Gene M., Huntsville, TX | SALUSOO, Mihkel, Willowdale, Ont. |
| FLYNN, William B., Pittsburgh, PA | SCHWEIGER, L.R., Prarie Village, KS |
| FRIETZSCHE, Arthur, San Luis Obispo, CA | SHAW, Edward P., Honolulu, HI |
| GALLUCCI, Mike L., Houston, TX | SMITH, Mershel L., Spartanburg, SC |
| GONCIARZ, Peter A., Cheektowaga, NY ** | STANWOOD, Bill, Framingham, MA |
| GRINAGER, H.A., Rochester, MN | SPALVINS, Talis, Parma, OH |
| HARCHARIK, Joseph B., Charlotte, NC | TAKAHASHI, Nobuaki, Tokyo, Japan |
| HEILLEGGER, G.A.T., Schiedam, Holland | TORRE, Marco, Cardiff-by-the-Sea, CA |
| HUGHES F.J., Staten Island, NY | TUCKWILLER, William D., Lewisburg, WV |
| JOHNSON, Mark C., FPO Seattle | WALKUP, Leland W., Tomah, WI |
| PAUL R, JORDAN, Houston TX ** | WISE, Leon M, Tiffin, OH ** |
| KELLER, Ms.Moe, Wheat Ridge, CO | WOODRUM, James A., Springfield, IL |
| KLEIN, S. David, Gainesville, FL | WOODS, Robert L., Front Royal, VA |
| KLUMB, Kelly, El Cerrito, CA | ZAGOTTA, John, Orland Park, IL |
| KUKLINSKI, Peter A., Doylestown, PA | |
| MARABLE, Ivery L., APO New York | ** Nice to have you back as a member. |

DX LIMERICKS

A Crooked DXer named Spink, Had a definate Mafia link, Then tried to pilfer, A Yaesu from Gilfer, Now he's doing DX in the clink.	A DXer named Alfie McCann, Sent a reception report to Japan, He got a QSL, And a lot more as well, A pennant, three maps, and a fan.
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Thanks to John Lackmann, Lexington VA for this months limericks.

NASWA

A REPORT FROM
HEADQUARTERS

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

APRIL, 1978

RADIO CANADA INTERNATIONAL TO HOST 1978 ANARC CONVENTION: Advance word from David Browne, Executive Secretary for the Association of North American Radio Clubs (ANARC) advises that Montreal, Quebec, Canada will be the locale for this annual event, and will be held July 14, 15, and 16, 1978 with Ian McFarland of RCI as Convention Chairman.

There will be much more said about this event in following issues of FRENDEX. This is the convention for ALL radio DXers, so start making plans now. As usual, a large attendance will be expected.

UPDATE SUBSCRIBERS PLEASE NOTE: It would be a big help, and very much appreciated by HQ and the publisher, if those planning to renew their Update subscription when it expires if they would do so at the same time they are renewing their regular membership even though the renewal for Update is not actually due.

If the expiration of Update does differ from the expiration of FRENDEX, the Update subscription would be extended for an additional twelve issues from whatever the usual expiration date would be. If payment for both could be made at the same time, it would make our work and record keeping much simpler.

Also, a reminder that all renewals and address changes should be sent to the HQ address only. Sending them elsewhere will only confuse things and delay matters while they are being forwarded here.

BOY SCOUT RADIO MERIT BADGE COMMITTEE COMPLETE THEIR WORK: A few months ago, we announced the formation of a committee to work with the National Office of Boy Scouts of America to make recommendations on updating their present Radio Merit Badge requirements to include the area of SWL.

Committee Chairman Roger Peterson, New Canaan, CT nows advises that their work is now completed and their proposal will soon be on its way to the National Office. A special thanks to Roger and his other committeemen, Kent C. Corson of Dubuque, IA and Harold Rowan, Jr. of El Dorado, Ark. for their time and interest in this assignment.

LAST CALL FOR WRTH 1978 AT DISCOUNT PRICES: Donald Erickson, 6059 Essex St., Riverside, CA 92504 says he will continue to accept orders for the World Radio TV Handbook 1978 from all NASWA members for the sum of \$9.50 post-paid by book rate until May 1, 1978. Orders will be accepted from U.S. and Canadian members and payment must be in U.S. funds. A self addressed and stamped envelope must be included with all orders. As mentioned in our previous announcement of this offer, NASWA is not involved in this venture other than make the announcement.

NORDMENDE GLOBETROTTER 808: An offer from Sterling Hi-Fidelity, Inc., 22-20 40th Ave., Long Island City, NY 11101, who are importers and sole agents for this 11 band receiver imported from West Germany, say they will extend a 20% discount to NASWA members. The regular retail price is \$599. For an illustrated catalog, write to the address given to the attention of Robert E. Silver. Tell them NASWA sent you.

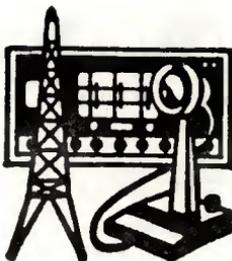
YAESU FRG-7 ON SALE: Webster Radio, Inc., 2602 East Ashlan, Fresno, CA 93726 say they are overstocked on the FRG-7 receiver. They offer a cash price of \$245.00 plus shipping and applicable tax to California residents. The receiver has a list price of \$315.00. Any additional information can be obtained by writing to the address given.

HANDLER ENTERPRISES DISCONTINUES PUBLICATIONS: We are advised that as of April 1, 1978 Handler Enterprises, Deerfield, IL has terminated it's radio publication business and that orders for publications and other merchandise will no longer be accepted.



M.R. Leonhardt
Executive Director - NASWA

Shortwave— Center—



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

APRIL 1978

Greetings from the North Pole. At least it seems like it. As I sit down to begin this month's SWC, snow is again blowing and drifting around my eaves. This is not only the coldest winter on record, but the snowiest in central Illinois. We suggest that all having battery operated radios lay in a supply of batteries for this spring, when we are all unemployed and the power is off. There should be some great listening opportunities—hi.

Thanks for those who responded to my past pleas for material to use in SWC. We still need more good articles on shortwave broadcast radio subjects.

Sanyo Portable

THE SANYO RP 8880 PORTABLE LW/MW/SW RECEIVER

by David Jerard Duke, El Paso, TX
This article first appeared in the WDXC
CONTACT, January 1978.

I recently had the opportunity to examine the Sanyo RP 8880 portable receiver and would like to make the following comments. I was unable to use an external aerial, only the telescopic SW antenna (1530 mm long) and only tried it in daylight. I made a few comparisons between the Sanyo and my Panasonic RF-2200 and hope they may be of interest. The selectivity figures, based on a graph of the selectivity in dB versus bandwidth frequency for the 2nd IF, the narrow position yields figures of 4 kHz wide at 6 dB down and 9 kHz wide at 60 dB down. The wide position yields figures of 6 kHz wide at 6 dB down and 30 kHz at 60 dB down.

The crystal marker, used in tuning the receiver, has two positions, one at 10 kHz and the other (louder) for 100 kHz and 1 MHz marker. In comparison to my RF-2200, the marker was more difficult to use and the 10 kHz markers were weak and subject to wide fluctuation in volume level from one 10 kHz point to another. In my opinion the 10 kHz marker position is just not useable as a reliable marker point. The bandspread dial was non-linear in the graduations, with an error of 5 to 15 kHz in the 100 kHz interval as indicated using the crystal marker.

The RP 8880 is rather awkward to tune in; also, the time required to tune in a station is considerably longer on the RP 8880 than on my RF-2200. Tuning is accomplished first by setting the main dial to the required MHz point and the 1/10th MHz digit is found using the 100 kHz marker. Then the remaining portion on the bandspread dial is tuned using the 10 kHz markers. The main dial readout cursor is adjustable 5 mm either side of center, as is the bandspread dial cursor which amounts to ± 5 kHz. Using WWV, the RP 8880's crystal marker was within about 2 kHz of the actual frequency for each WWV point. The main tuning dials for all bands (5SW/MW/MB/LW) are nonlinear and the bandspread does not work on LW or MW, which I feel makes the set difficult to use for MW or LW DXing with the situation that 100 kHz equals 12 mm at 600-700 kHz, 200 kHz equals 9 mm at 1400-1600 kHz, and 100 kHz equals 16 mm at 1600-1700 kHz on the tuning scale.

The IFs I have for the SW frequencies are 10.7 MHz and 455 kHz. There is also a BFO pitch control.

The internal SW antenna does not swivel from vertical to horizontal, although the FM antenna (1080 mm) does. During the test, I could hear anything equally well on the RP 8880 as on the RF-2200, although a weak signal could easily be overlooked if the antenna trimmer was not kept peaked at all times. The tone controls on the RP 8880 were able to produce a more pleasing sound and intelligible voice signal than the RF-2200, with the lower speech frequencies sounding less distorted or emphasized.

Overall, I would say that for the price of this unit (\$300.00) the only thing that makes it superior to the RF-2200 is the facility of long wave and marine bands, but—

a longwave/marine bands converter would cost the owner of a RF-2200 nowhere near the \$130-\$170 price differential (the RF-2200 list is \$170 and can be obtained for \$130 or less). Also the RP 8880 has a gap in its frequency coverage (10-11.7 MHz) whereas the RF-2200 has no gap from 3.8 to 28 MHz.

SLINKY DIPOLE®

MODEL SWL-1

a lot of antenna - in a little space

Teleton Data Corporation

Suite FR

Box 84

Kings Park, New York 11754

TWO MODES OF USE ... UNTUNED ...

There are actually two ways you can use the SLINKY Dipole; tuned, or untuned. Untuned is the simplest, but of course there is a compromise, and you won't get quite as good performance as tuned. To use in the untuned mode, just stretch out the helically-loaded SLINKY Dipole arms in any direction to cover as great an area as practical of your attic, apartment, yard, motel room, or wherever. Then plug the coax cable lead-in to your receiver, and you are ready for excellent DX reception all the way from the Broadcast Band (600 meters or 0.5 MHz.) to the UPPER upper reaches of the short-wave bands around 54 MHz. (or about 6 meters), IF your radio goes up that far.

... AND TUNED.

When you want to operate your SLINKY in the tuned mode, simply expand your SLINKY to any convenient length within the range specified by the tuning charts for your band of interest. Then, using the special end-clips, clip the unused turns together at the ends of the dipole arms. That's all there is to it, and you have an electrically foreshortened, balanced antenna ready to pull in DX signals.

CANCELS STATIC

The SLINKY Dipole actually discriminates against static, and thus improves your signal-to-noise ratio, because it is of a BALANCED design. What this means is that the helical

dipole arms forming the conductors which pull in your DX signals are fed SYMMETRICALLY. This makes the antenna far less sensitive to all local sources of static and man-made noise. In effect, nearby static is CANCELED out in the antenna without ever getting to your receiver.

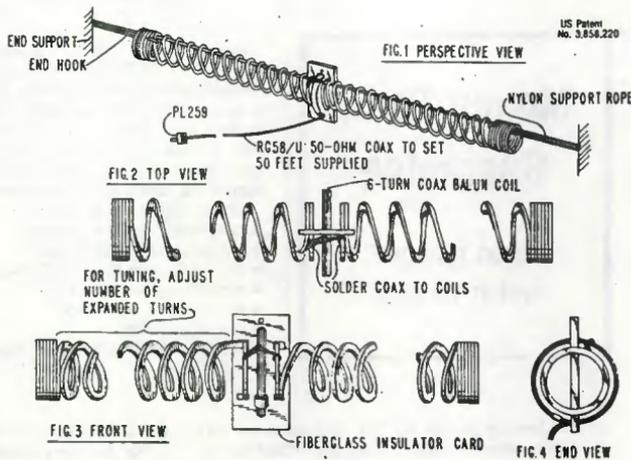
Unfortunately, there is no simple way to cancel static which originates from far away, but we're working on it. Null-steer arrays is one way, but certainly not a simple practical way. You'd need at least two separate antennas, a phase-shifter, a null-detector, and, even then, you'd be able to cancel noise from one direction only. Noise coming from two directions? Then you'd need three antennas, two phase-shifters, etc.

FITS INTO LUNCH PAIL

The SLINKY Dipole is the way to go if you want a portable antenna. Although the dipole arms contain 335 feet of signal-grabbing conductor, the beautifully simple coil design allows you to instantly collapse the antenna for storage. Volume of the stored unit is less than one-fifth of a cubic foot, or about the size of a lunch pail.

50 FEET OF COAX?

The SLINKY is the only antenna that comes WITH the lead-in. Normally, you are stuck with having to



Drawing showing details of the SLINKY Dipole Antenna

© Teleton Data Corp. 1977

buy this separately. With the SLINKY, you get 50 feet of U.S. made, MIL-SPEC RG-58/U coaxial cable. This 50 ohm shielded cable is to lead the signal down from the center of your antenna to wherever your set is. You get 50 feet to allow for snaking down from your attic, yard, or wherever your SLINKY is mounted.

IT SLINKS DOWN STAIRS

The special SLINKY coils, which form the heart of the antenna, are used as the arms of the dipole. These GIANT coils LOOK like the toy coils, but are about five times the size. Each of our special coils is 4 inches in diameter by 4 inches long, with 160 turns per coil. Together, the two coils contain 335 feet of conductor. The coils are zinc coated for durability and good conductivity.

When in use, the coiled arms of the dipole provide the special distributed helical loading. This electrical loading, which acts like distributed inductance, is what enables the effective electrical length to be as much as five times the physical length. This principle is so unique that it is protected by Patent No. 3,858,220.

Warning... your children are magnetically drawn to these GIANT SLINKY coils. These WILL slink down stairs like the toy, but if you let the kids see this, you risk losing your antenna coils, or having them damaged.

Money Back Guarantee

when returned
within 10 days

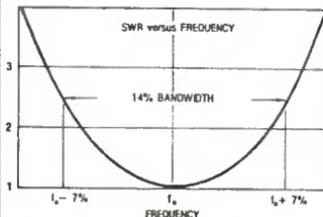
following table is for the amateur version of Slinky, that can be used for both reception and transmitting. Full information on Slinky is available from Teletron Data Corp.

The price quoted on the SWL-1 version is \$39.95.

**Bonus! Your Slinky is adjustable
to all new or expanded
SWL bands.**

WHAT ABOUT SWR?

The SWR (standing-wave ratio) bandwidth of the SLINKY Dipole, when used in the tuned mode, is unusually broad, thanks to the distributed helical loading, which automatically impedance-matches the antenna to 50 ohms. The graph which follows shows the measured SWR for some typical SWL bands. This excellent performance is typical of what you can expect in your own installation over the entire useful bandwidth from below 3.5 to over 54 MHz.



The above SWR graph represents typical data for the popular 6,10,11,12,15,18,19,20,25,31,40,41,49,60,75 meter bands, with the antenna used in the tuned mode. SWR on the 80,120,160, and 300 meter (BC) bands is greater than that shown.

ASSEMBLE KIT IN ½ HOUR

We send you a COMPLETE kit containing EVERYTHING you need to assemble your SLINKY Dipole. Simply follow the simple assembly instructions, and, in less than ½ hour your unit is ready for DX'ing. The only tools you'll need are a soldering iron, razor blade, and small screwdriver.

The complete kit contains:

- complete instruction manual
- pair of giant SLINKY coils
- 50 ft. US made MIL-SPEC coax
- center insulator/balun
- PL-259 coax connector
- pair of end-clips
- 100 ft. solid-braided nylon rope

PROOF OF THE PUDDING ...

...YOU'VE PROBABLY HEARD OF

Here's some very interesting story about how the SLINKY was developed.

Three years ago, a "clandestine Government Agency" needed a broad band, efficient, portable antenna that could be carried into a motel room in an attache case, and be set up in minutes with a miniature receiver. Since it would be impossible to know in advance what physical space would be available, or what frequency would be needed, the antenna would have to be so universal that it could be set up to operate efficiently in almost any circumstances.

Well, not surprisingly, nothing around could meet these requirements. So, when Teletron, which was an antenna "think tank" outfit, invented the SLINKY Dipole, eyebrows were raised.

Well, the proof of the pudding is in the list of users. Since then, SLINKY has been bought by the U.S. Department of State, U.S. Army radio schools, and many foreign Governments such as Australia, Israel and New Zealand, to name a few.

And, as you may know, we manufacture thousands of the popular "ham" version of the SLINKY. In fact, if you have ever monitored the ham bands, you've probably heard one!

This material about the Slinky antenna is from advertising material submitted by Sid Arnow of Teletron Data Corp. It is presented for your information. The use of this and similar manufacturer's information does not imply endorsement of products by SWC or NASWA, nor is it paid for. It is simply for your information.

We also present tuning tables for SWL which have been simplified. The

The chart below shows the proper number of turns of the Slinky to have in each half-length for the bands covered by three basic lengths for simplified tuning.

TUNING CHART

SWL-1

Meter Band	Megahertz Band	Overall Antenna Length in Feet	Number of Turns in each Half-Length
6 meters	50 MHz.	7 feet (2.13 m.)	24 turns
10	28	7	17
11	25	7	18
13	21	7	22
15	21	7	22
16	17	7	26
19	15	7	30
20	14	15 feet (4.57 m.)	25
25	11	15	39
31	9	15	52
40	7	15	66
41	7	24 feet (7.32 m.)	56
49	6	24	85
60	5	24	118
75	4	24	145

The chart below shows the various combinations of turns and antenna lengths possible to use with the three major ham bands. These work for both reception and transmitting. L = overall antenna length in feet; N = Number of turns in each half-length.

APPROXIMATE TUNING CHART

80 Meters (3.5 - 4.0 MHz)		40 Meters (7.0 - 7.3 MHz)		20 Meters (14 - 14.35 MHz)	
L	N	L	N	L	N
70	92	35	45	18	22
68	94	34	46	16	24
66	95	33	47	14	25
64	97	32	48	12	27
62	98	31	49	10	28
60	100	30	50	8	28
58	102	29	51	6	28
56	104	28	52		
54	105	27	53		
52	107	26	54		
50	109	25	55		
48	112	24	56		
46	114	23	57		
44	116	22	58		
42	118	21	59		
40	121	20	60		
38	124	19	61		
36	126	18	62		
34	129	17	63		
32	132	16	65		
30	135	15	66		
28	139	14	68		
26	143	13	70		
24	147	12	72		

 HELPING HAND: For Sale. Barlow Wadley XCR-30, originally a Gilfer Demo. A little wear on the chrome, but works fine. Shipped in original carton w/o batteries (to save weight) for \$110. Write your editor, Jerry A. Lineback, P. O. Box 325, St. Joseph, IL 61873, or call local evenings 217-469-2583 (no collect calls please).

SLINKY Review

THE SLINKY DIPOLE, A USERS EXPERIENCE

by R. L. Steen, P. O. Box 24045, Seattle, WA

Judging by recent issues of FRENEX, there is a wave of interest in the SLINKY Dipole antenna, so perhaps my experience with it might be of some interest. I got one several months ago in the hope that it would solve my 60 metre band problems, and in accordance with the chart supplied, set it up for 5 MHz. It seemed to me that it would also operate as a 3/2 wave dipole at 15 MHz, so I built a standard dipole (no balun) for the 19 metre band, and fed both antennas through a coax switch in order to obtain A-B comparisons.

I expected that the two antennas would be approximately equal at 19 metres, but that the SLINKY would be a clear winner at 60. I found the opposite. The standard dipole was much better on 19 metres, and, in fact, it was clearly superior on all bands from 31 metres on up. On 41 metres the SLINKY started fighting back, although it lost there too, and on 49 metres it finally got the better of the argument. That was its only win. Continuing down the spectrum, the standard antenna won narrowly on 60 metres and then it was clearly better from 75 metres on down. It should be mentioned that both antennas were placed near one another so that neither had an advantage of height or freedom from nearby objects.

The SLINKY is now at rest in the bottom of the closet, while I try to think of another way to use it. I would be interested in hearing if anyone has obtained good results with it by comparing it to another antenna (and so would SWC). My receiver is a FRG-7.

DXpedition

A MINNESOTA DX-PEDITION

by Mike Martin, Minnesota DX Club

In the dark of the night they came. Sixteen brave souls who set out to do the impossible, to maintain a constant 24 hour vigil on the shortwave bands. The location was perfect, a small park near Northfield, MN. It was complete with enclosed shelter, underground power, and many trees in which to string the wire antennas, that with any luck would pull in static free reception from all and any rare or familiar stations. As I drove to the Northfield location, I noted something was special about the night. A clear bright moon was throwing a friendly glow that lit up the perfectly cloudless sky. As we got farther from the city the sky opened up and displayed nature at its best, a full scale view of the Milkyway looking down at us. With all these signs we knew there had to be something coming through. With the aid of our trusty flashlight we proceeded to string our longwire antenna high and long. We had our antenna up and the rig going by 12:20 a.m. on the tenth day of September, 1977.

From the reports of those who had been there since the DX-pedition had started around 7 p.m. on the ninth, conditions had been good all night. Soon after we had the tubes warmed up in our national NC-183, we found that the conditions were almost better than we had possibly hoped for. Not only was this going to be the first, but the best DX-pedition ever held in North America by a local club. This was quickly confirmed as radio signals from the South Pacific pounded through the cold Minnesota air and onto our antennas. Every domestic and national service below 5 MHz from Papua/New Guinea was logged. From there we stumped across New Caledonia, and of course Australia was pounding at our speaker cones. As the night wore on, the temperature began to drop. The idea of DXing in temperatures that were in the upper 30's was best described by Larry Wheeler, who had left his receiver on 6.012 MHz all night in a vain attempt to hear the American Forces Antarctic Network (AFAN). . . He said, and I quote, "I must be getting closer, I can feel the icebergs already." Not that's what I call really "putting yourself" into your hobby! But there were those who were truly hardcore about the whole situation. . . Tom Gavaras who was truly "touched" by the late hours and cold temperatures started dancing to the music of radio Australia at about 3 a.m. He claimed that this was to keep warm but we must note the way Tom was dressed that night. . . Two pairs of pants, a heavy down jacket, lined gloves, a ski hat, and a wool scarf. Let's face it Tom, you just didn't have it all together that night.

As the hours did drag on, there were a few of us who found they had enough sense to admit they were tired and crawl up on a near-by picnic table to catch a few hours of sleep, but. . . others did not have the courage to say they were tired. So we had a few people sleeping among the pages of the World Radio and T.V. Handbook (WRTVH), or just resting the eyes while looking up the station frequency. There were also those who just "rested" while waiting for a station to ID, which in some cases took up to 1½ hours.

But all things considered, we have to give a lot of credit to the really sick ones who went through the night without even sleeping. There were only two people I know of who went totally without sleep. Those two are Scott Blixt and Bill Holst. (I would like to comment that both are resting comfortably at the Minnesota State Hospital for the

Incurably Insane.) George Sherman and Mike Bates also made it through most of the night without sleeping.

Just before the sun came up, everything broke loose on the bands, and stations were coming in faster than we could log them. One of the best accomplishments of the night was completed when, between all the rigs at the fest, every Papua New Guinea station below 5 MHz was logged! Also, some weak copies of a few Indonesians were logged at about this time. Now that's pretty good! Just about this time Mike Bates picked up a MW station signing on and those who still had the energy stood up, saluted, and sang our National Anthem with the station. I think those people deserve a big salute! Way to go guys!

As the much needed warm sun became visible on the horizon and groggy minds started waking up, people began to wander from their receivers in an attempt to get warmed up. By the way, we had quite an array of receivers on hand ranging from small portable units to Collins, Drake, National, and even an FRG-7. As the sun came up, DXing began to slack off. One by one thoughts of leaving began to cross peoples minds, but it will be a night that few will ever forget easily. At this time an out of town member set up a directional FM antenna and did some FM DXing. It was quite interesting.

Before we close, I think there are certain people who put a lot of work into this thing that deserve credit. Tom Gavaras and Greg Ravenhorst who secured a very ideal location for the DXpedition '77. The biggest thank you goes to the 16 members - Peter Bonucci, Scott Blixt, Tom Gavaras, Bill Holst, Mike Martin, Mike Bates, Martin Croze, Miles Bredvold, George Sherman, Larry Wheeler, Richard Larson, Randall Trapp, Grant Wales, Ted Jensen, Bruce Elving, George Madline, and non-members who showed up to really make the whole thing worthwhile.

BEGINNERS PATCH

THE BEGINNER'S GUIDE TO LATIN AND SOUTH AMERICAN DX

by Dan Gallagher, Denton TX

If the title seems impressive or overly-promising, that's because it may well be. The following remarks will treat, in a quite simple fashion, the logging of South and Central American stations.

First, set your radio down around 4.5 MHz for a start. If, and I will assume that, your radio doesn't have fantastic calibration, then just set it between 4.5 and 4.75 and tune up the band. One station will stand out . . . that should be 4.832, Radio Reloj, Costa Rica. For me that is the station from Costa Rica. Others will tell you Radio Casino, but I have yet to find it, or TIFC, so stick with Reloj (clock). On the DX-160 just tune to the white star below 5 MHz . . . I know that's supposed to be 4.88, but it isn't, take my word.

Listen to the station for a loud and clear ID. Another thing about Latins--don't listen too long if the speaker pronounces English words with an English accent . . . what that means is that your neighborhood VoA, BBC, or other bigwigs are trying to play the ethnic game. Stick to the fast, excited types with the personality.

You should have Radio Reloj by now. If not, try 6.006 MHz. and make sure the guy doesn't say "Reloj Continente" or you have Venezuela. But then again, you may need Venezuela; in that case ignore me--your best loggings will come quite by accident.

Next, find WWV at 5 MHz. If it's not there, then you're in for one neck of a DX session. But if it is there, then just start tuning down. Some real powerhouses sit here, neatly separated, and they should appear in this order: R. Barquisimeto (Venezuela) 4.990, Ecos Del Torbes (Ven.) 4.980, R. Rumbos (Ven.) 4.970, R. Santa Fe (Colombia) 4.965, R. Colosal (Col.) 4.945, R. Progreso (Honduras) 4.920, and R. Juventud (Ven.) 4.900. All except Ecos Del Torbes and Juventud give IDs out of megaphones (it seems), but then again, you already have plenty of Venezuelans, and you can always use the other stations as reference points and do a little more digging in the Spanish Language. Anyway, there is a whole list of stations down the line, neatly pinned and ready to identify.

One tip: if you hear one station in the midst of news, go on and come back later. These stations go on forever sometimes in the news . . . just like home, you might say. Some stations use a xylophone between items, and that gets tedious after a while.

Now to take a bite out of Ecuador. You can go to a higher frequency for HCJB, but to become a DXer you should go for the local rather than the international broadcaster and the more rewarding logging rather than the easy-as-pie. Now tune down below your Costa Rica Reloj (4.832) and just tune and tune until you find a station sitting by itself, of medium power. That is R. Nacional Espejo, the "National Mirror" of Ecuador, 4.680. Assuming that you don't dip below 4.5 and hit a harmonic, this logging should

not be too hard on your nervous system. And that's Ecuador.

Times? Evenings in North America. Be on the prowl between 0100 and 0500 GMT, and you won't get too fouled-up. Africans, like Benin and friends, can through a little French at you if you wait till late, and if you attack too early you'll hit slim pickins, and weak too. You're not ready for that.

The last for this installment is Brazil. Brazil is hard to hear, and even harder to understand, because the language used is Portuguese. My personal recommendation is R. Nacional Brasilia, 11.780 at 2100, but that's a user of English. You'll be surprised that once you get going on a band like 60 metres, you want to eat it lock, stock, and barrel, so let's stay on 60 for now. The station here is R. Brasil Central on 4985. Try about 0550. If you try earlier, it shares space with the powerhouses you have just waded through.

For Brazil Central, sandwich your receiver between R. Barquisimeto and Ecos Del Torbes, or just hand on the tail of Barquisimeto. I recommend this for sure: tune in Barquisimeto at 0150 GMT (4.990 MHz), and give the bandspread dial a twist down in frequency, just a slight twist. Then turn off the set, or leave it on standby. Then at 0545, when everyone else in the house has passed out, turn it back on and listen for something that isn't Spanish. Believe me, it sound obtuse, but it's radio gospel for the situation.

If you get it, and that takes a close listen to the ID, then you've got Brazil. If no luck, keep it up till 0730, or until you too pass out . . . your dream may tell you what went wrong. The ID will come after songs, before songs, at the half hour, the hour, and at the end of the news. You may use a tape recorder as an aid, or headphones.

One thing about Brazil, their stations have some of the fastest-talking guys this side of Cape Verde Island or Seychelles. A practical rule is this: the faster the speaking, the more rewarding the catch. That's just for this area of the world . . . if you stray over to Africa, you'll see what I mean.

My hints may not service everyone. They pertain to the novice DXer with a decent antenna, fair calibration, and an under \$200 receiver. It is my experience that this setup won't make getting stations super-simple, but it will increase enjoyment because of an added challenge.

DX-er's hobby delivers the world to his 'shack'



His shortwave radio receiver is his "door and window to the whole wide world," says Charles Davidson, 112 24th St. NE. Davidson is pictured in his "shack," the basement room where he monitors broadcasts from all over the globe.

By Ann Schrader
Gazette staff writer

A DX-er?

That may sound like someone who favors a particular brand of gasoline, but in shortwave radio lingo, the term denotes someone who listens to radio transmissions from all over the world, says Charles Davidson.

Actually, there may be a connection with gasoline, said Davidson, 112 24th St. NE.

DX means distance, he explained, speculating that the oil company may have picked that name for its gasoline to suggest that it makes a car go a greater distance on less fuel.

Unlike ham radio operation, no license is required for DX-ing since no transmitting is involved, said Davidson, who has been monitoring short wave broadcasts for about four years.

"Most people who visit my 'shack' (operations room) seem to think I can talk to people in countries I tune in," he said. "This privilege is only for those who can afford a transmitter and who have the technical know-how to maintain and operate one."

Besides listening in on such far-away broadcast stations as Radio Kiev or Radio Jerusalem, DX-ers also make reports.

"Shortwave broadcasters around the world need to know how well they are being received in your area, what interference exists from other transmitting nations and indications of atmospheric or man-made noise or disturbance that occurs during their schedules of transmission," Davidson explained.

Valuable information

"This is information only DX-ers can supply," he continued. With these reports, broadcasters can check their transmission schedules, frequencies and the power needed to reach various spots around the world.

"Your little place in the world is only one of thousands from which reports will be received," Davidson said. "Yours will be collated and filed away with many others from listeners in India, Australia, Antarctica."

After studying the reports, broadcasters prepare new schedules and mail them to those people with the "ears," the DX-ers.

DX publications list frequencies, how and what to report and how to present it. "If you have reported properly and accurately, your reward will be a 'QSL' (acknowledgment) by return mail," Davidson said.

The QSLs come on postcards or in letters which include postcards displaying art and photography unique to the responding country, he said. Because of all the exotic mail Davidson receives, his mail carrier once joked that he felt he was dealing



with an international spy ring.

Davidson said he has accumulated some 30 QSLs in the short time he has been involved with the hobby. Stations change QSL cards often, he added, so if a DX-er repeats a report to a previously logged station, chances are a new card will be added to his or her collection.

Stamp bonanza

Along with the QSL cards, Davidson receives bulletins on the country's people and customs, propaganda from Iron Curtain countries, tourism literature and requests for pen pals, information about the United States and for books not available in the responding nation.

If a person collects stamps, "you have found a bonanza," Davidson remarked.

"Not only will you collect the stamps from your foreign mail, but many countries offer stamps as rewards for answers to questionnaires regarding the interest and quality of their programming," he said.

On one occasion he received a complete first-day cover for 1975 from Radio Havana in Cuba.

The propaganda, some of it in English, has been passed on to the language and political science departments of Mount Mercy College, Davidson said.

Many people wonder how it is possible to understand foreign broadcasts, Davidson said, noting that transmitting nations use many languages, including English.

Not expensive

If a DX-er tunes in at specified hours and frequencies, he or she will hear complete programs in English, he said. "There are also identifying words and sounds in foreign languages which you will learn to recognize as you continue," he said.

Davidson said many people seem to think DX-ing is expensive, but he disputes that. He said he paid less than \$160 for his receiver, which is located in a 4-by-6 cubicle in his basement.

Attached to that is a wire leading to an antenna which is also inexpensive to put up, he said. In his "shack" he also has a large world map topped by a 24-hour clock set on Greenwich Mean Time, the universal time used by all shortwave broadcasters.

Davidson said he knows little about electronics except what he has picked up along the way. In fact, he said, in the four years he has been

DX-ing, he's never seen the inside of his receiver.

While people of all ages enjoy DX-ing, Davidson said, "it should hold special interest for the elderly, the shut-in, the infirm."

Although he is 68, Davidson says he has no immediate plans to retire from his sales job. But when he does, he looks forward to pursuing his DX-ing hobby.

DX-ing is starting to grow, Davidson said. Recently he noticed two new names from the Cedar Rapids area in a DX-ing publication.

Davidson is thrilled with his hobby and calls it "my door and my window to the whole wide world. It is ready to transport me to places with magic names, where unusual entertainment, exciting events and an occasional controversial discussion await my pleasure."

The article reproduced here appeared in the Cedar Rapids (Iowa) Gazette on 4 March 1978.

Several contributors to Shortwave Center in recent months have mentioned their desire to gain more publicity for the hobby in local newspapers. This article seems to be very well done and might serve as an example to your local newspaper. I suggest you show the article to your local newspaper when you make contact. Most of us are less photogenic than Mr. Davidson, who, by the way, is a NASWA member. The article was sent to SWC by Richard Swanson, Wellman, Iowa.

As another example of what can be done, your SWC editor has been put in charge of a church social for a small group that contains several couples in their 50s and 60s. The theme of the social will be "The enjoyment of hobbies-preparation for retirement." A number of people will share their hobbies, including your editor explaining about International Broadcasting.

WARC 79

REPORT ON THE LATEST WARC-79 FCC MEETING

by Larry Magne, Philadelphia, PA

On 1 March, the WARC International Broadcasting Services Group, with RFE/RL's Stanley Leinwoll as Chairman, held its first meeting for several months. Although the latest in a series of FCC "Notices of Information" outlining official U.S. policy for WARC still had not been made public, the Chairman related to the Group his interesting experiences at a recent broadcasters convention held in Vienna.

On 6-7 February 1978, a group of 14 broadcasters and 4 PTT's convened in Vienna to attempt to formulate a common position for WARC-79. Included in the attendees were representatives of the SBC (Switzerland), FCC (USA), ARD/SFB (West Germany), RCI (Canada), ORF (Austria), IRT (Germany), BBC (UK), Vatican Radio, DW (West Germany), VoA (USA), TDF (France), Bundespostministerium (West Germany PTT), EBU Technical Center, RFE/RL (USA), PTT of Australia, Radio Nederland, Radio France, AIR (India), and the Swiss PTT. They drew up a proposed list of new International Broadcasting Bands, and also reached a loose consensus concerning the validity of out-of-band broadcasting.

The proposed bands, which were not unanimously agreed to, are (unshared and worldwide):	
3900-4060 kHz	(currently not used for broadcasting in Region 2 (the Americas))
4750-4995 kHz	(currently restricted to Tropical Broadcasting)
5005-5060 kHz	(currently restricted to Tropical Broadcasting)
5740-6200 kHz	(currently 5950-6200 kHz)
7100-7500 kHz	(currently not used for broadcasting in Region 2)
9400-9900 kHz	(currently 9500-9775 kHz)
11500-12025 kHz	(currently 11700-11975 kHz)
13600-14000 kHz	(currently not used for broadcasting in any Region.)
15100-15700 kHz	(currently 15100-15450 kHz)
17500-17900 kHz	(currently 17700-17900 kHz)
21450-21850 kHz	(currently 21450-21750 kHz)
25600-26100 kHz	(unchanged)

From the DXers point of view, the major points are the elimination of sharing with hams of the 41 and 75 metre bands, and the introduction of Tropical-International Broadcasting sharing of the prized DX 60 metre band. From the Amateur Radio viewpoint, the proposals would result in a loss of 300 kHz of HF bandspace currently shared with International Broadcasting.

Considerable debate took place concerning the wisdom of allocating to IB what is now a protected haven for Third World domestic broadcasters. An FCC Representative informed the Group that the Commission had been visiting various countries, but could not reveal the names of which countries for diplomatic reasons! However, in those countries visited that make use of Tropical Band operation, the Commission had found two interesting items: first, many Tropical countries use the Tropical Bands not for Broadcasting, but for Fixed use. Second, most Tropical Band broadcast transmitters are used for studio-to-transmitter links (STL's).

However, a quick check of the latest WRTH showed a sizable number of Tropical Band broadcasters with no transmitters other than those in the Tropical Bands...prima facie evidence that they are not STL's. However, the Commission will be visiting a number of other Tropical countries and will study the point further.

Also of interest was that the only Tropical Broadcaster at the Vienna meeting, All India Radio, did not go along with the proposal to allocate the 60 metre band to IB, which may be a harbinger of the voting lineup at Geneva next year. On the other hand, AIR is apparently studying the feasibility of using longwave instead of shortwave for domestic broadcasting, so the matter is by no means clearly divided.

Another major result of the Vienna meeting was the revelation that the long-held resistance to out-of-band broadcasting by certain countries, notably the West German PTT, has rapidly been replaced by an acceptance of the legitimacy of #115 of the Radio Regulations of the ITU, and related Article 9 provisions, in allowing out-of-band broadcasting on the condition that it does not cause harmful interference to allocated users within a specified complaint period. The FCC Representative felt this was moot, as new registrations submitted to the ITU are forwarded to administrations on and in the vicinity of the channel in question, and that as a matter of routine the current users file objections, which would therefore make use of #115 impossible. However, another participant pointed out that when other countries have used #115 to operate out-of-band broadcasts complaints have been rare, especially when the Fixed (as opposed to the Amateur, aeronautical mobile, or maritime mobile, for example) Bands have been used. Further, the FM mode transmissions, such as FSK and FAX, typically used in the Fixed bands are rarely harmfully interfered with by the AM mode International Broadcasters.

Nevertheless, the West German position is that it would be better to defer the use of out-of-band broadcasting until the results of WARC-79 are known, as if the bands are sufficiently expanded such useage may not be necessary.

Finally, the Vienna meeting deferred discussion of Compatible Single Side band to a later date. It was pointed out to the group that the Canadian time station CHU had converted successfully to A3h, a rudimentary form of CSSB, and the FCC representative expressed interest in the matter.

Chairman Leinwoll introduced at the FCC meeting on 1 March, a paper entitled, "Possible Sharing of Allocations, Broadcasting and Fixed Services." It proposes that should International Broadcast band expansion be possible only under conditions of sharing, that it be sharing with Fixed services on a geographical/time basis. Arthur Thompson of WYFR designed a scheme whereby this could be done, allowing the short-range Fixed Services to use certain bands at certain times in certain zones, and the long-range International Broadcasting to use these bands at other times.

It was indicated that similar sharing already takes place in one US city as authorized by the FCC, apparently in the 6 MHz International Broadcast Band. In this city, during certain hours mobile users may make use of the 49 metre band, as Broadcaster traffic is absorbed during those daylight hours.

Must the 60 Metre Tropical Band Be Abolished?

From the viewpoint of radio hobbyists and expatriates, the 60 metre band is a wealth of aural delights. For those wishing to "travel by radio", rather than to absorb programming especially prepared for foreign audiences, this band probably offers more payoff than all the remainder of the HF spectrum. Does this, too, have to be buried under legions of 250 kW transmitters??

American DXers -- plus European DXers, to a limited extent -- have a simple, but potentially effective recourse to the proposal that the 60 metre band be "shared", I.E. taken over, by International Broadcasting. In Latin America, nearly every Tropical Broadcaster is privately owned and relies on advertising to survive. One means by which advertisers are enticed is for the station manager to indicate how widely heard the Tropical station is, and the most common method is to show reception reports from DXers around the world.

If henceforth every reception report were accompanied by a letter expressing dismay that this sort of reception might not be possible after 1979, and why, it is not inconceivable that the broadcasters will soon be beating on their Government's doors to take effective action to counteract these moves. As the recruiting posters say, "This Means You", and it also means QSL and other editors in the hobby so that the message is repeated and spread while there is still time to act. We have less than a year before WARC-79, but if each DXer, DX club, and ANARC -- and overseas counterparts, such as EDXC -- can resolve to act on this matter, it's not inconceivable that the 60 metre band can be salvaged. The nations that most benefit from Tropical Broadcasting form a majority of votes in the ITU; all DXers need to do over the coming months is to inform.

Down under

AUSTRALIAN FREQUENCIES REPORTED IN FRENDX LR
MARCH 77 to FEBRUARY 78

Compiled by Frank J. Herman, Kitchener, Ont. Key: AU is Australia, SH is Shepparton, LY is Lyndhurst; CR is carnarvon; SY is Sydney, BR is Brisbane, PE is Perth, ME is Melbourne, IS is English, FL is foreign (non-English) language, VM is VOLMET, and PI is Pirate.

4500-VNG;LY	9560-CR;FL;IS	11740-SH;IS	15205-SH;IS;FL
4920-BR	9570-SH;IS	11790-SH;IS	15230-ME
5995-LY;IS	9575-AU;IS	11795-CR;FL	15240-LY;IS
6005-AU;IS	9580-SH;IS	11810-SH;IS	15290-AU;IS
6035-CR?; IS	9610-PE	11820-AU;FL;IS	15320-SH;IS;FL
6045-AU;IS	9640-CR;FL	11825-SH;FL	15340-AU;IS
6090-SY	9670-SH;IS	11830-SH;FL	15355-SH;IS
6140-PE	9680-ME	11845-AU;IS	15410-CR;IS
6150-BR	9690-AU;IS	11855-AU;IS	15425-PE
6176-PI,3BW	9695-AU;IS	11880-SH;IS	17795-SH;IS
7240-CR;IS	9700-CR;FL;IS	11900-CR;IS	17870-AU;IS
7500-VNG;LY	9710-AU;IS	11935-AU;IS;FL	17895-AU;IS
9505-AU;IS	9760-SH;IS	11940-AU;IS	21455-SH;IS
9515-SH;IS	10017-SY;VM	12000-VNG;LY	21485-AU;IS
9540-SH;IS	11705-SH;IS	15140-SH;IS	
9545-SH;IS	11720-AU;IS	15160-LY;IS	
9550-AU;IS	11725-SH;IS	15190-AU;IS	

Thanks to those who sent in articles in response to my pleas. Remember that Special Publications 1,2,3, & 4, are available as a package for \$3.00, sent first class, from your Shortwave Center Editor. Solar activity peaked on 11 March at the highest level in several years.

73
J.D.J.

Listeners NOTEBOOK

APRIL 1978



• Editor: Glenn Hauser, WUOT, U-Tenn.,
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ENGLISH SCHEDULES "YUGOSLAVIA, R. Belgrade, sked chng 1030 6100, 2300 7150 7205 7340 7400 11690 11790 15100. Murphy." (sic, March SPEEDX) Certainly not. This looks more like a Vilnius sked to me; 1030 = 2230 (gh)

VIETNAM VOV to Eur at 1800 & 2030 on 12035 ex-7290 //10040(BBCMS 16/2) Currently heard on 15012 & 10040 (BBCMS 23/2)

VATICAN VR to the Americas changed to 15120 ex-15200 0100-0115 //5995/9605/11800. To Pac & SEAs also daily 2210-2230 on 7235/9615/11705 (R. Australia Japanese DX 5/3)

TURKEY VOT has new EG at 1200-1300 on 9665; news and pop music. Announcer called entire transmission "Sunshine Radio" (Charles A. Wootten, Izmir, 12/3)

SWEDEN R. Sweden is now using a 310° beam (thru Reykjavík, Thunder Bay, Minneapolis, Omaha, Amarillo) for all EC broadcasts to NAM, except 1400 on 11850, which is 320° (Godhavn, Churchill, Regina, Billings, Salt Lake City, Las Vegas, San Diego) M78 sked: 1230 on 15305; 1400 on 17790/11850; 2300 on 9605/9590/9695; 0030 on 9590; 0230 on 9745/11855 (STA via Pete Grenier, CA) 17790 now ruined by VOA-Woofferton co-channel in Georgian;

At 1400, I have suggested 17875 or 21655 as possible replacements unless VOA will move (gh)

SRI LANKA SLBC's test xmsn to ME & Af 1845-1945 will end soon, and be replaced by a regular commercial service. Present fq:s are 7190/9720/11870 to ME & Af; 15115/17850 to EAF (Richard Ginbey, RSA, SCDX 21/2)

SPAIN Spanish Foreign Radio M78: 0100-0400 6065/11880 100 kW Arganda, exc. Mon, to NAM. 2030-2230 6100/7155/9505 to Eur exc. Sun. 6100 & 9505 are 350 kW Noblejas, 7155 100 kW Arganda (Radio Exterior de España, 14/2, via Sam Barto, CT)

SOUTH AFRICA R. RSA reported that after tests, two of their new 500 kW xmtrs are fully operational for M78, used at 1600-1650 on 17780/11900; 2100-2150 & 2230-2320 on 11900/9585. Other frequencies from the existing 250 kW (BBCMS 9/3) R. RSA on new 4990 at *0259 to C&E Af, giving //9585/7270/5980, 5/3 (Syd Osterman, Ont)

Full Pak sked, LN-3
PAKISTAN R. Pakistan made some changes 5/3. 0030-0040 to SEAs 11750/9645/7195. 1600-1615 dictation speed nx to ME on 15520/11672/9460. 1815 EG nx in Turkish svc 11640/9790 (BBCMS)

NETHERLANDS R. Nederland M78 (B-Bonaire; M-Madagascar). 0700-0720 weekdays Waf 17700/15235 /9770. 0730-0820 Au/NZ B9770/B9715. 0830-0920 Au/NZ B9715. 0930-1020 Eur 9895/9660/7240/6045/5955. 1330-1420 Eur 9895/7210/6045/6020/5955. 1430-1520 S&EAs M17855/M11740. 1830-1920 C&E&Saf 17700/M11730/M6020. 2030-2120 C&Waf B21640/B17810/L15520/M11740/M11730. 2130-2220 ENAm 11950/11730/9715. 0230-0320 ENAm B9590/B6165. 0530-0620 WNA M B9715/B6165 (via Mac Leonhardt) Oh, 2130-2220 is in EG weekdays only.

LEBANON R. Lebanon to Af 1830-1900 11755; 0230-0300 NAM 9680 (BBCMS 2/78)

KOREA SOUTH (Cf Jan LN-2) R. Korea sked monitored during Jan to beginning of Feb: 0600-0630 9675/9640. 1000-1030 9580/9525. 1130-1200 11860/9650/7150. 1330-1400 11860/7150. 1600-1630 9640/7150. 1800-1830 9720. 2000-2030 9720/9665. 2300-2330 9640. Almost all frequencies are QRMed by jamming (Yoshiaki Hayashi, FE DX Review 1/3)

JAPAN Radio Japan's Regional Service in English, Mar 78. (NHK via Wilder Pickard, IL.)
0130-0230 M/LAm/ 15195 0800-0830 Europe 17825 1630-1700 SAs/Af 9670 2015-2045 ME/NAF 11855
Hawaii 15420 0930-1030 ANZ 11875 11705 2345-0045 Nam 15270
17725 15235 1830-1900 Europe 7195 15300
17825 1115-1145 SEAs 9675 9605
0800-0830 Europe 15325 11875 2015-2045 ME/NAF 9700

R. Japan's Gen Svc Mar 78. Tx on the hour. Asterisk denotes 30-min. px. Others 15.

Asia		America		Europe		Others (Via NHK)			
00	15195	12-13	11815	11-13	5990	23*	15105	11	17795
01-07	17880	14*	11815	00-04	15105	14*	5990	12-13	9585
08-09	15195	15-21	11815	05-07	9505	15-18	5990	00-05	9585
10*	15195	22	15195	08-09	5990	19-21	9505	06-09	17795
11	15195	23*	15195	10*	5990	22	15105	10*	17795
								23*	9585

ITALY RAI M78 UKOGBANI 1935-1955 9575/7290/7275. Mediterranean 0425-0440 7275/6075. NE 2025-2045 9575/7290/6050. SAs 0350-0410 11905/9710/9630. Japan 2200-2225 11905/9710/5990. Nam 0100-0120 9575/11800. (gh)

INDONESIA Current VOI sked: 0100-0200 on 11780/7195 (Oliver Goonawardena, S.L., SCDX 7/2)

GUINEA Conakry now has EG Mon/Wed/Fri 1830-1900 on 15308v (SCDX 14/3, missed reporter -gh)

GERMANY WEST DW extended 1715 EG to Af, to 1805, on 15135/11810/17825/11965/9735. (BBCMS 23/2) M78 frequency changes compared to D77: 1720-1750 SAs new 17875; 15405 ex-11925. 0430 -0515 C&EAF 11765 ex-6065. 1715-1745 C&EAF 11965 ex-7285, 17730 ex-11810. 1745-1805 new 15135 & 17730. 0600-0630 WAF 17765 ex-9615. 1930-2000 WAF 17780 ex-9765. 0530-0550 NAM delete 9590 (via Richard N. Allen, OK)

FRANCE Paris Calling Africa anc'd fqs 12/3: 15200/15300/15360/15425/17720/17800/17850/17860/21580/21620. All were audible; best was 21580 (Wilder A. Pickard, IL) At 1706-1754. Sometime in April presumably moves to 1606 with summer time in France, and consequently on a different set of frequencies until further J78 changes first Sunday in May (gh)

FINLAND (Cf Mar LN-1) 15265 replaces 15330 at 1200-1430; and 15265 not 9660 at 2030-2100 (Finn-DX 18/3 via gh)

ETHIOPIA V. of Revolutionary Ethiopia DS on 7100/5985 includes EG 1000-1030 (BBCMS 9/3)

EQUADOR HCJB M78: Nam 1200-1630 15115/11745. 0040-0700 11915/9560. 0500-0700 6095. Sam 1200-1630 11745. Eu 1630-1800 17890/15295 1900-2030. 0700-0830 11840/9665. SPac 0600-1130 11900/6130. 0700-1030 9745 (via Mac Leonhardt)

CHILE VOCh EG now at 1930-2000 & 2200-2230 on 17713/15150/11705/9566/49m channel (BBCMS 9/2)

CYPRUS BBCWS M78: ANZ/Pac 21660 0900-1245 (1130-1245 not Sun). SAs 15420 0900-1215 (1130-1215 not Sun). 0145-0330 11735. 7140 0000-0330. 6195 0030-0315. 6140 0000-0030. ME: 15420 as above; 11760 0600-1330 (0815-0900 Sun only). 11750 0400-0545. 9605 0400-0430. 7140 0300-0330, 0545-0730, 0900-1215 (1130-1215 not Sun); 3989 1700-1815, 2000-2115. SAs: 17885 0600-0730, 0900-1615. 15420 0500-0730. 11750 0400-0545. EAF: 21660 0900-1245 (1130-1245 not Sun). 17885 0600-0730, 0900-1615. 15420 0500-0730, 0900-1745. 15400 1745-1830. 15105 1500-1530. 11750 0400-0545. 9540 1700-1745. 6180 1800-2030. Eur: 15420 0500-0730. 9750 0600-0730. 7260 0400-0430. 6180 0400-0730, 1700-2315 (BBC WS, extracted by gh)

COLOMBIA (Cf Feb LN-2) R. Bucaramanga 4845, had EG lesson, 0248 17/2 with stress on everyday situations (toothpaste, light bulbs, etc.) Helps me learn SP (Pitt McNeil, TDXN) Was giving SP & EG IDs 0300-0404* (Steven Kontos, NY, 23/2)

CAMEROON LN-4 2)

BELGIUM BRT EG to Af at 1715-1800 uses 9760 instead of 9755 (Joe Berry & Jim Young, CA, 23/2)

AUSTRIA ORF moved its new 1230-1255 EG to Nam from 15275, to 15425 for M78; it doesn't seem to be an improvement. Rest to NAM same. To elsewhere: 0430-0500 17840. 0830-0900 6155/9765/15105/15410. 1230-1300 6155/9770. 1830-1900 6155/9725/15335/17770 (gh)

AUSTRALIA R. Australia sked, 5 Mar 78 (RA via Wilder Pickard, IL)

5995 07-08 ⁴⁵	9540 08-15	9760 07-08 ⁴⁵	11810 19-22	15240 20 ¹ / ₂ -07 ¹ / ₂	17795 01-05
10-20	9550 10-16	11705 09-17 ¹ / ₂	11820 21-23 ¹ / ₂	15260 04-05	06-07 ¹ / ₂
6005 15 ¹ / ₂ -17 ¹ / ₂	9570 07-09	11720 06 ¹ / ₂ -10	11880 11-13	06-06 ¹ / ₂	17870 01 ¹ / ₂ -10
6035 21-22 ¹ / ₂	9580 18-21	11725 19-21 ¹ / ₂	14-17 ¹ / ₂	15320 22-24	21525 04-05
6045 15 ¹ / ₂ -20	11-13	11740 07-09	15140 22-06	01-05	06-06 ¹ / ₂
7240 12 ¹ / ₂ -17 ¹ / ₂	9600 20-22	11790 21 ¹ / ₂ -23	15160 21-24	15355 23 ¹ / ₂ -06 ¹ / ₂	21570 08-10
18-21	9670 11 ¹ / ₂ -13	07-08 ⁴⁵	01-05	15410 22 ¹ / ₂ -01 ¹ / ₂	21680 00-09 ¹ / ₂
9505 18-20 ¹ / ₂	14-17 ¹ / ₂	10-12	06-07	17725 02-10	

ASCENSION BBC WS M78: SSAM 15260 2000-2430, 9580 2300-0330, 6005 2300-0330. Cam & Carib 15260 2000-2245. 9580 2300-0330. Nam 15260 2000-2245, 9580 2300-0330. W&CAf 15400 0730-1745 (0915-1030 Sat & Sun only). 15105 1600-1815. 11860 0730-1130 (0915-1030 Sat & Sun only). 11820 1745-2030. 11770 1600-1745. 9600 0500-0515, 0600-0630, 0700-0915 (0815-0900 Sun only). 9580 0400-0500. 7105 0400-0430, 0500-0515, 0600-0630. 6005 0400-0730, 1800-2245. SAs 17840 Mon-Fri 1615-1645, 15400 as above. 15105 1600-1815. 11820 1745-2030. 11770 1600-1745. 9770 1700-1745. 9580 0400-0430. 7270 0500-0700. 6005 0400-0630, 2000-2115. EAF 17840 1500-1530, 1615-1645. 15400 1600-1745. 15105 1600-1815. 11770 1600-1745. 9580 0300-0500. 7105 0300-0430. 6005 0330-0400 (BBC WS, extracted by gh)

ANTIGUA BBC WS M 78: SSAM/Cam 15420 2000-2115. C&NAM 11775 1200-1330 (1200-1300 not Sun). 9510 0445-0915. 6195 1100-1330 & 2000-2330. 6175 2330-0730 (BBC WS, extracted by gh)

OTHER SCHEDULES

VIETNAM Cao Lang regional stn on 6260 obs 0300-0600, 1130-1400 in Viet & Mtn dialects. Son La 6330/4770 at 0300-0430 & 1200-1400 in Viet & minority langs (BBCMS 16/2) VOV anc'd 26/2 that from 1/3 "Network One" of HS would be 2155-1605 daily (BBCMS 2/3 which adds: formerly 2055-1645, on 10060/7375/6450/4950/3998)

VATICAN VR obs at 0800-1700 on 6210 to Eur ex-6190 (BBCMS 2/3) Aha, another pirate! (gh)

U S S R Chukotskoe okruzhnoe Radio, in Anadyr', 4030 kHz, sked 1755-2100 with announcements in Russian, Chukot and Eskimo. IS was herad at 1830 in early 1977, but no longer. Anadyr' pgm at 1755-1800, 1830-1900. Mayak 1800-1830. Moscow First Pgm to FE 1900-1930, 2000-2045. Magadan pgm 1930-2005, 2045-2100; after 2100 more Moscow FE Pgm I (S. Abe & T. Saito, FEDXR)

SWEDEN Sveriges Radio HS relay on SSB of Pgm I from Varberg, 100 kW, M78: 0500-0830 on 1775 80°. 0930-1200 110° & 1200-1600 170° both on 21555. 1600-1800 17785 170°. 1800-2130 15190 250° (R. Sweden sked)

SPAIN R. Exterior de España M78 SP sked: 6090 1630-1800. 6140 1100-2130 (Sun 0830-). 7105 1100 (Sun 0830)-2130. 9360 2300-0500. 9520 0800-1100. 9530 2145-0300. 9570 1100-2130. 9630 2145-0010, 0100-0500. 9685 1630-1800. 9695 1630-1800, 2030-2130. 11775 2145-0500. 11810 1630-1800, 2030-2130. 11815 0100-0500, 2145-0010. 11830 1630-2130. 11880 1730-1930, 2045-2300. 11910 0800-1100. 11920 1100-2130. 11945 2145-0300. 15290 1630-1800, 2030-2130 17735 0930-1100 (REE via Sam Barto, CT)

SOUTH AFRICA R. RSA has introduced a Tsonga BC Suns 0855-0920 on 7270 to S Moz (BBCMS 9/3)

SA'UDI ARABIA Riyadh Holy Qu'ran pgm increased by 2h/d to: 1500-1900 15175, 1900-2300 7110. Former to SEAs, latter to N&CAF (BBCMS 2/3)

PORTUGAL R. Portugal complete Esperanto sked, Suns + GMT Mon only: Af 1720-1730 17880/15340. 2050-2100 Eur 9740/6025. ENAM 0320-0330 11935/6025. WNA 0520-0530 11935/6025. (BBCMS 2/78)

POLAND Polish Pathfinders Stn moved 12/77 from 5960 to 7207: W. 1100-1700; Sun & Holidays 0900-1700 (Jan Ginter, Plock, Poland, SCDX 28/2) PRW DS Pgm III not only FM but on HF: 0357-0600 9570/6035. 0600-1415 9570/7180. 1415-1605 9755. 1415-1630 6035. 1630-2300 7110/6035. Sundays, 0457-2300 (Radio i Telewizja, via BBCMS 2/78)

PHILIPPINES (Cf Mar LN-5) More on the USA RTTY "Wireless File": to Au on 21490 in the 13 mb, 2300-0500 Tue-Sat from Poro, power probably 100 kW. Formerly same freq from Okinawa to SEAs to 5/77. Views of the ITU would be interesting regarding this regular teletype service in an SWBC band (Robert Jones, Sydney, ADXN 3/78) I've heard it over here even (gh)

PAKISTAN R. Pakistan M78 incl. some EG:

0045-0200 Nat'l Pgm for Burma 15325	HS from Islamabad:
0100-0245 Bangla 9645 11885	3915 1400-1410, 1500-1615, 1630-1810
0200-0245 Indonesian 15325 17845	3965 1300-1600
0230-0245 Slow news SEAs 17830 21590	4060 0045-0210
0300-0345 Swahili 15325 17830 21590	5010 0215-0415
0345-0430 Gujrati 15325 17830 21590	5160 0045-0325, 0350-0400, 1200-1325, 1400-1410
0430-0445 Slow news Eaf 15325 17830 21590	7135 0600-0603, 0700-0703, 0800-0803, 0830-1100
0500-0700 WS Eaf 17665 21590	7290 0930-0945, 1005-1008 Fri only
0500-0815 WS Persian Gulf 11672	9545 0600-0603, 0700-0703, 0800-0803, 0900-0903
WS ME 17830 21730; India 15150	1000-1005 (Fri 1008), 1050-1057, 1200-1325
0715-1100 WS UK 15115 17665	Link Services Islamabad 0430-0445 9545 10 kW
0830-1000 Hindi 11885 15520	Karachi 2345-0045 4735 10 kW, 0300-0430 7265 50
1000-1045 Tamil 11885 15520	0500-0815 9645 50, 1330-1430 9645 50, 1445-1600
1100-1115 Slow news WEu 15115 17665	7265 50, 1715-1845 4735 10, 1915-2145 4735 10.
1100-1200 Burmese 17755 21590	Regional Services Peshawar 10 kW 3395 0045-0415
1215-1315 Turki 7210 9690	(Fri 0445), 1430-1810; 6080 0600-1415 (Fri 0600
1330-1430 WS to Persian Gulf 11672	-0803, 1000-1415). Ouetta 10 kW 3240 0045-0400
WS to ME 15520 17830	(Fri 0345), 1045-1345, 1400-1600. 5980 0600-
1445-1600 WS to Persian Gulf 9460	1030 (Fri 0400-0803, 1000-1030). Rawalpindi:
WS to ME 11672 15520	10 kW 3335 0045-0400 (Fri 0500), 1200-1410,
1600-1615 Slow news ME 9460 11672 15520	1430-1900. 5010 0600-1100 (Fri 0600-0803,
1645-1745 Irani 6115 7165	1000-1100)
1715-1845 Arabic 9460 11672	Balti & Sheena Service
1800-1900 Turkish 7095 9790	Balti Service 100 kW 4935 0300-0400
1915-2015 French Af 9790 11640	6030 1130-1330
1915-2145 WS UKOGBANI 6235 7095	Sheena Service 100 kW 5110 0300-0400
2345-0045 WS SEAs 7195 9645 11750	7290 1000-1200
	(Noel Green, UK, via Larry Magne, PA)

NEPAL R. Nepal irregularly testing 7165 1020-1120, e.g. 8/2 Nepalese (BBCMS 16/2)

MALDIVES (Cf Mar LN-2/3) MIBS testing new xmtrs. 3318 new 7½ kW 1300-1500. 3917 7.5 kW tests. 4740 1500-1730 new 7½ kW, soon to be new 30 kW. 4754 Nov tests 30 kW. 6152, 7213 and 9558 are actual freqs, sked as given in Mar (Adrian Peterson, India, via Bob Bodell, OR)

LEBANON R. Lebanon non-EG ES: 1900-2000 AR, 2000-2030 FR, to Af on 11755. 2300-2330 PT, 2330-2430 AR, 0030-0100 SP, to SAM 11755. 0130-0200 FR, 0200-0230 AR, 0300-0330 SP, to NAM 9680 (BBCMS 2/78 & 23/2 update) DS in Ar on 5980 at 0400-0805, 1630-1805; 9545 1000-1610 (BBC WRC 8/3)

KUWAIT R. Kuwait new AR freqs: 17750 0815-1510; 7120 0400-0735; 9505 ex-9520 0815-1510 (WRC 8/3) via Bodell)

KASHMIR PAKISTANI Azad Kashmir Radio QSL shows 3860 sked at 1200-1815 (A. Peterson, India,

JAPAN R. Japan's Regional Svc Mar 78, excluding EG. (NHK) (typed & format by W. Pickard)
 ME/NAF SAM (Cont.) SEAs (Cont.)
 1945-2015 AR 9700 11855 1000-1030 PT 9530 9605 11705 1300-1330 FR 9525 11780
 2045-2115 FR 1030-1100 SP 1330-1400 IN 11840
 N/LAm/Hawaii Asia 1400-1430 TH³
 0100-0130 JA 15195 15240 17725 1230-1300 RS 7140 9675 11875 1430-1515 CH
 0230-0300 SP 17825 1300-1345 CH 2300-2330 VT 11840 15300
 Europe 2245-2330 CH SAs/Af 15420
 0630-0645 SW 15325 17825 0900-0945 KR 6030 7140 7205 1430-1500 BN⁴ 9670 11705
 0645-0700 IT 1045-1115 IN 9675 11875 1500-1530 HD⁵
 0700-0730 GM SEAs 1530-1600 UR⁶
 0730-0800 FR 1000-1045 CH 7195 9705 11940 1600-1630 SH⁷
 1800-1830 GM 9605 7195 1200-1230 ER² 9525 11780 11840 1700-1730 FR 1 Malay.
 1900-1930 RS 1145-1215 ML¹ 2 Burmese. 3 Thai.
 SAM 1200-1230 ER² 9525 11780 11840 4 Bengali. 5 Hindi.
 0900-1000 JA 9530 9605 11705 1230-1300 VT 6 Urdu. 7 Swahili.

IRAQ R. Baghdad ES on new 7180 1600-1900 Farsi //3242 (BBCMS 2/3) V. of the Masses AR pgm span 0258-2305: 0258-0500 11785 9553 7240 6095. 0500-0800 11785 11725 9553 7240 6155 6095. 0500-0725 7180. 0800-1300 17770 11785 11725 9553 6155 6095. 1300-1500 17770 11785 11725 9553 6095. 1500-1700 17770 11785 11725 6095. 1600-1700 7240. 1700-2000 11725 7240. 2000-2305 11725 7240 7180 (BBCMS 2/3)

INDONESIA RRI Dili gives this sked: 2155-0030, 0455-0730, 0855-1520, on 2456/3120 (Momma, IDXK via FEDXR). RRI Pekan Baru on 5886v operates weekdays 2258-0715, 0858-1600; weekends 2358-1600. Power 5 kW except at 0200-0715, 1200-1400, 1 kW (Satoshi Wakisaka, FEDXR 1/3)

GUAM KTRW M78: 11730 1100-1500. 15115 0800-1100, 2100-2400. 15145 or 15195 1100-1500. 17830 0000-0100. 17855 2200-0130 (NZ DX Times via Cushen, DX Party Line 14/3)

ETHIOPIA Preliminary obs of VORE IS reveal now 9595/7155, 1000 Somali, 1030 Afar, 1100-1130 Arabic (BBCMS 9/2)

CHILE VOCH new sked includes 1730 AR, 1800 GM, 1830 IT, 1900 FR, 2000 RS, 2030 GM, 2100 IT, 2130 FR, 2230 SP (BBCMS 9/2)

CHINA Sinkiang regional svc in Kazakh from Urumchi obs on 4970/4195 at 2330-1545, maybe not continuous (BBCMS 9/2)

CAMEROON R. Bertoua QSL gives this sked: 1100-1430 (FR 1100-1300, EG 1300-1430) on 7165; 1630-2030 FR on 4750. Biling nx 1200 (Sat 1230) & 1400; EG nx 1830, FR nx 1900. All xmtrs 20 kW. Chief of Stn Jean-Marie Etoundi says began experimental xmsn 5/77, operational in July, to be officially inaugurated in near future. BC periods short because staff is limited but they hope to expand hours with increased staff. Interested in reports (Jerry Berg MA)

MISCELÁNEA RADIAL VIETNAM UNID stn hrd since early Feb on 4273, first on Tet Day 8/2 at 1404-1444* in minority langs. After Tet traced at *1030-1205* with own Viet pgm 1030-1100, relay Hanoi-I Viet 1100-1130, and minority lang(s) after 1130, resembling Cambodian. Resembles former 4778/4772 kHz UNID (Isao U-gusa, FEDXR) During an anmt of spl pgms for the Lunar New Year holiday (6-8 Feb) the DS in Ho Chi Minh City on 9620/6165 announced itself as "R. Stn. No. 2 of the VOV" Bac Thai regio nal DS obs 1200-1400 on 7080. Cao Lang regional stn obs from fade in 1330 to 1400 on 6260 (BBCMS 9/2) Per a Hanoi radio report 16/2, Thanh Hoa Province has completed construction of a SW stn (BBCMS 2/3)

VENEZUELA (Cf Feb LN-5) BBCMS report of LV de Carabobo on 4840 is absurd. It has been and is on 4780, albeit irregularly. R. Valera is nightly on 4839.5 to 0400* (Pitt McNeil, 5/3)

U S S R Just after the leap-second adjustment made to the world time scale on 1/1, RWM Moscow was heard on 4996 at 0010, leading WWV by exactly 2.0 seconds at the zero-second transition for at least several minutes. The Soviet time station had evidently subtracted one second instead of adding one. A nice tape was made of this tribute to the country that brought us Cosmos 954 (Bob Foxworth, NY, TDXN 13/2)

U S A AFRTS heard 5/3 on unscheduled 21670 at 0550 past 0800. Robert Jones in Sydney also heard this past 0930. Propagation suggests a foreign (non-US) site, however Philippines is the only such site used by AFRTS and this relay was recently closed ?? (Bob Padula, MarADNX)

Tho not in the VOA freq sked, they are heard on 26040 until 2000* (Jim Conrad, IA) From around 1500, I think (gh) A new dipole curtain has been erected at Delano and operates with a 250 kW xmtr in the 49, 41 and 31mb. Listening tests in the Philippines show it performs well (Chris J. Blunt, Feb WDXC Contact)

URUGUAY The YL who does the SODRE EG pgm says "We don't do the program 'live'. We pre-record it. For the time being we're going to follow with the same time-table; later on it may be changed. The whole thing is not well organized yet." (Pitt McNeil, DC, 5/3)

UKOGBANI BBC feeder heard 1843-1945* on 15105 ISB 22/12, FR to 1900 EG, SIO 333 (Larry Brookwell, CA, DSWCI SW News) If correct, first use of SSB by BBC in-band? (gh)

SOUTH AFRICA R. RSA's new 500 kW xmtrs have been hrd testing on 6125 and 11800 with carrier and tones 1020-1045 (Richard Ginbey, RSA, 21/2) Tests relayed the SABC Afrikaans service (BBCMS 9/3) Just what I heard on one day only, 22/2, extremely strong from 1922 tune in past 2015=2215 in RSA! on 25790 (Glenn Hauser, OK)

PHILIPPINES (Cf Feb LN-7) Latest FEBC sked shows 17805 as DZI-6, updating p. 203 of WRTH 77. The station in Korea is HLDA-1570 (Feb WDXC Contact) So the DSWCI report that 17805 was in Korea was their mixup, as I suspected (gh) (Cf Feb LN-7 again) FEBC's rare out-of-band freq 9497 has backed to 9505 since mid-Feb (Isao Ugusa, FEDXR 1/3)

PERU R. El Sol de los Andes, Juliaca, hrd on 3230 13/3 around 1000. Listed inactive in Mar LN-5 (Jerry Berg, MA) No it wasn't, it was listed as active, and so it is... (gh)

NEPAL (Cf Mar LN-3 & 5) R. Nepal is currently conducting test xmsns, hrd at 0420 on 7165 with talks in Nepali. Also noted recently are 3230, 6095, 9585. Watch 11970, where Nepal has also tested irregularly in the past (Victor Goonetilleke, Sri Lanka, RA Japanese DX 12/2)

MOZAMBIQUE Maputo on new 15340 at 1000 //6115/9620/11820. 4938 towards end of Dec has returned to 4925. 7120 is new for B Pgm, at 1215; 7240 as late as 2130 with A Pgm //6115 (Václav Kořínek, RSA, DSWCI Feb SW News)

Sennitt, WDXC Feb Mid-Monther)

MOROCCO (Cf Mar LN-5) Rabat SSB moved up a few kHz to 7365.1 USB, F-C around 0800 (Andy

MAURITANIA You'll find the worst national anthem in the world, guaranteed, when you tune to 4845 at 2400* (Richard Stoller, NY, Mar REVIEW OF INTERNATIONAL BROADCASTING)

MALI Rdif. du Mali on new 4817.5 22/1 ex-4826 //5995, 2330-2400* (Finn Krone, DSWCI SWN) Hrd in FR at 1117 on 7275 ex-7285 //7110 (Rikard Johansson, aboard ship off WAF, SCDX 28/2)

LEBANON V. of Lebanon, on 6550 at 0455-2100, announced that it broadcasts to the inhabitants of Al-Biqa' (or Bakaa, a province of Lebanon), the Western Al-Biqa' and North and South Lebanon, in addition to adjoining countries, the two Americas, Europe, Africa, Australia and the entire Arab Gulf (BBCMS 16/2)

IVORY COAST Rdif. Ivoirienne broadcasts at the moment two different pgms using 13 xmsns of 40 min each in the 13 different vernaculars of the country, Abbey, Attié, Basulé, Bété, Dida, Dioula, Ebríé, Gouro, Guéré, Koulango, Moré, Senoufo, Yacouba. The regional stn of Bouaké (misspelt in WRTH77) uses also Tagwana. The development project will achieve total coverage of the country and also different xmsns for each region thru 9 regional stns: Abidjan, Bouaké, Daloa, Man, Korhogo, Abengourou, Odienné, Bondoukou, San Pedro (Le Monde, 15/1, via J-J. Bloch, Feb DSWCI SW News)

ITALY Free radio station R. Roma was heard on approx. 1620 kHz 6/2 at 1755-1800; announced as on 1594; fair to good reception ("AG" in Play-DX, 2/3)

Israel, 13/2)

IRAQ (Cf Apr LN-4) VOM in AR on new 9555v to 1520*; Hebrew 1530-1625 //6155v (Offer Barth,

INTERNATIONAL WATERS Voice of Peace, 1540 kHz, also hrd on 6250 on 1/3. Early in Feb it said lack of funds soon might result in the suspension of its transmissions (BBCMS 9/3) Varied to 6240, irregular tests (BBC WRC 8/3) VOP is not 24h since 1/2, only 0500-2210, and only on MW, and only 25 kW (not 50) all because of generator troubles and financial difficulties (Offer Barth, Israel, 13/2) VOP's Abie Nathan said Israel Radio's Second & Third Pgms and hostile ad agents have all but squeezed his Peace Ship out of the advertising market. Early winter storms caused more than 500,000 Israeli Pounds' damage. The closure would come on 28/2 (Ze'ev Schul, Jerusalem Post, 17/2 via M. Fine) Did it?? (gh)

Thor Heyerdahl's reed boat expedition "The Tigris", had a ham station on board, LI2B, sked on 14310 SSB Tue/Fri/Sun at 1200. Sailed from Karachi 10/2 and currents/winds took it toward Socotra rather than around India. R. Sofia accused the BBC, which had purchased exclusive rights for coverage of the event, of imposing a monopolistic news blackout on the voyage. R. Sofia has kept listeners informed about it via its DX program (Bob Mac-Thompson, VA, and gh, Mar REVIEW OF INTERNATIONAL BROADCASTING)

INDONESIA Stn info, monitored 11-23 Feb: 2456 RRI Dili//3120. 3205 RRI Gorontalo is off! 3295 RRI Samarinda off! 3318 unID new RRI stn. 3364 RRI Sorong new, //4875. 3426 unID stn, guess Java or Sumatra. 3427 unID RRI stn, guess Irian Jaya or Sulawesi. 4764/67 RRI Medan seems to use 2 xmtrs, switching at 1200. 4926 RRI Jambi off! 4992 RRI Jayapura ex-

4981, //6070. Other new Indo stns noted on 23/2: 3098.5 at 1415, 3143.7 at 1415--possibly RKP T2 Dompou, 3173.9 at 1415, 4347.9 at 1400, 3871.2 at 1430 and 3882.3 at 1430 (Jim Young, CA) RRI Jayapura widely heard in Australia on new 4993, ex 4980; 1000-1400* (RA Japanese DX 12/3) RRI Gorontalo obs on 3266v ex-3205. Relays Ujung Pandang news at 1230. Don't confuse with RRI Bengkulu on 3265, rarely traceable (Ishida & Wakisaka, IDXR via FEDXR 1/3) RRI Sorong on new 3365, hrd 27/2 1245 //4875 (S. Wakisaka, FEDXR) RRI Palangka Raya now ops 3 SW xmtrs--3325 10 kW, 3905 5 kW; and alternating at random a 1 kW on 4920 and 5205 (Naoki Momma, IDXR, via FEDXR)

GUYANA (Cf Feb LN-7/8) Regarding the 3137 transmission, I was so sure it might be GBS that I called their studios. I asked the engineer if they were transmitting on 3137 during the evening. He replied that they were 'not, and gave me their SW freqs as listed in the WRTH. Having hrd a sports event and a church service on New Years Eve, I asked if they ever broadcast such programming. He replied that they did have cricket matches and church service. I then told him what I had heard on NYE on 3137. Then he became very evasive. I asked him if he would know if a freq change was made. He answered, "I should know". I called on 4/1, and monitored the freq again 5/1 and the weak signal was there, but it has been missing almost every night since. During all this I have not been able to hear the GBS on 3290 (Bob Donly, SC, SPEEDXGRAM) Very interesting, but it's your fault it's gone, having told the engineer about it. Stations should never be told about their off-freqs (gh)

GUINEA-BISSAU Hrd on unreported 7150 Sat & Sun announcing 5041 + FM (Rikard Johansson, aboard ship off the Waf coast, SCDX 28/2)

GUAM Per anmt hrd 1100 5/3, KTRW said they were going to start using 11850 and 15145 in // with 11730 and 15195 on 6/3 (Jerry Berg, MA) Four transmitters now??? (gh)

GREECE (?) AFRS Athens hrd one day only on 12277 LSB at 0950-1110 with local AFRS pgms. Stn confirms it was their pgm but no idea who was transmitting it! (Gordon Darling, UK NNRC)

FRANCE Bordeaux 1205 kHz noted around 2100 on 2nd harmonic 2410. On 2698, TDF Nancy/Nice, 2 x 1349 (Mike Barraclough, UK, Feb WDXC Contact) (Pitt McNeil, DC, 20/2)

ETHIOPIA R. Ethiopia reactivated old RVOG 4905, hrd *0328, bone crushing 40 over 9 sigs

EGYPT R. Cairo noted 14/3 1545 past 1605 on 29550, 3 x 9850 in Arabic, SIO 253 to 454. Fundamental and 2nd harmonic were inaudible (Richard M. Utter, NY)

ECUADOR HD2IOA, time sign noted 3/3 on 3840, possible slip up by engineer, or testing new freq? Noted next night and since back on 3810 (Charley Hoffman, PA, 8/3) DOM REP. below

DENMARK R. Denmark was heard 23/1 on 9710, 2100-2110* HS relay; nothing was heard on 25/1 (Kaj Bredahl, DSWCI SWN) Any RD freq other than 15165 is big news! (gh)

CHILE VOch ES now obs on 11799 ex-11705 around 2200 //17713/15150/15130 (BBCMS 16/2) And I had them on 11924 in RS at 1030 5/3 (Glenn Hauser, CA)

CZECHOSLOVAKIA R. Prague is running thru 30/4 an "International Listeners' Opinion Poll" on the World Federation of Trade Unions and the IX World Trade Unions Congress. Winners answering three loaded questions will be treated to a ten-day holiday in Czechoslovakia; also lesser prizes. Listen to their program about this on Sats (via Pete Grenier, CA)

CHAD Ndjamena DS on 4905 pgm changed so that AR from f/in 1710 to 1830 FR (BBCMS 23/2)

CAMEROON Yaoundé radio now obs on 7290/4972, FR nx 0700, EG nx 0710. 4850 gone (BBCMS 23/2)

BRAZIL R. Cult. de Araraquara, tentatively the stn on 3365 hrd 2311-2330, with singing ad for "R. Nacional", Cf Jan LN-11--private stns being nationalized, or just carrying some national programs? Pretty sure this was not Parnaíba (Syd Osterman, Ont, 2/3)

BOLIVIA R. Stentor, La Paz, obs on 6185 (BBCMS 2/3) Cf Mar LN-2, Tony had it on 6125 (gh)

BANGLADESH At 0445, R. Bangladesh uses 25365 (Ron Cross, WDXC Feb) not even in llmb (gh)

AUSTRALIA R. Australia Thai pgm hrd on 11532 5/1 at 0015 //15320 (Mark Fulwell, WDXC)

ALBANIA Durres 1457 kHz heard on x 2 = 2914. And the 5057 kHz HS generates more than its fair share of harmonics, noted afternoons on 20228 (x4) and 25257 (x5) (Barraclough, WDXC) 5 x 5057 = 25285, not 25257 (gh) Also at 1130 in IT on 21270 = 3 x 7090 (Barraclough)

LAST MINUTE ITEMS DOMINICAN REP. Rudy Espinal's phoned-in voice could be heard on R. Clarín 18/3 advising listeners that the station would be off the air from Palm Sunday through Easter for spring vacation. But a studio announcer in SP said it was for technical maintenance to improve their sound, off the air from 11700 0400 19/3 to 0400 25/3 (gh)

INGA KOLA In case those ads on Andean stations have your mouth watering, you don't have to go to Perú to get a bottle. It's distributed by J. J. Gutiérrez Imports, Hayward CA 94545. One restaurant serving it is La Peña, in Berkeley CA. Know what it tastes like? Bubble gum!! (gh)

CLANDESTINE CRANNY

US Pirates From the staff of WPCR, thanks to Mr. Helms for including WPCR in his report "Piracy on the Airwaves" (Nov. 77) and thanks to Popular Electronics for printing an article on pirate radio. WPCR would like to add a few facts in retrospect. Callers were not given an address to write to; rather, they gave us their address and then received thank-you-for-tuning-in letters. The speculation that our xmtr power was 100 watts, was mistaken. Due to our unique ground radial system, our ERP was significantly greater than the transmitter output. Using our 1/8 wave end-fed zeppelin antenna, WPCR had a carrier power of approximately 72 watts. We were privileged to use an experimental compressor prototype to raise our average modulation by 15 db. With a peak modulation level of 62% (without transmitter arcing) our average modulation was 60%. The transmitter that we took 'off the shelf' and revitalized was named Karen-anne, because it was always slightly under the weather. Also, CPR stands for Cardio Pulmonary (sic) Resuscitation, or Construction Permit Rejected.

Station telephones did not tamper with Telco circuits. All calls were legitimate and paid for with WPCR's shoestring budget. No person inside the phone company provided information or help to WPCR other than normal services.

We've almost no airchecks of our activities. So we offer to send you an official WPCR QSL card in return for copies of any WPCR air checks that you have. This QSL card is guaranteed to be a collectors item, so you don't forget, mail before midnight tomorrow to WPCR, /address deleted/, Brooklyn NY 11214.

WPCR received many reports of regret from our listeners, after their learning of WPCR's closing. The staff of WPCR all feel that the FCC should designate special frequencies for hobby broadcasters, interested in broadcasting for entertainment, information and education. Everyone involved in WPCR had fun on the air, and we would like to express our thanks to all the listeners, and callers and correspondents--from Maine to Florida to California, and even ALBANY!! Although WPCR is gone, it does not mean the end. As long as there is radio, there will be pirates. More radio to come! /signed/ (deleted), Owner operator, general manager, program director, and generally sheepish person; John Doe, Chief (sic) announcer; Ed Armstrong; Operations, and programming consultant from Buzz-Hardt-Rook-Drek creative services, and Micheal (sic) Cypher, chief engineer and technical director, WPCR, Brooklyn NY (22/10/77 letter to Harry Helms, Box 331, Fort Mill SC 29715, who could perhaps forward airchecks for QSLs as offered above -gh)

About the WPCR phone lines. In NY, as in probably every other city in America, the Telephone company has many lines set up for test purposes, called "loops". WPCR would call 766-9977 and immediately hear a tone. A person wishing to call us would dial 766-9979 and we were connected. These loop lines are perfectly legal since you are charged for calling it, and you can call them from any phone anywhere (John Doe, WPCR, 23/11/77 letter to Helms)

The comments from SWNS about the pirates being able to 'tamper with the phone system' are not justified by the facts. The two pirates are separate operations, but WDBX and its various other calls are using the original WPCR gear described above. Right now I'm not sure what the current status of these stations is. I haven't heard from the operators in the past three weeks. I do know that the telco loops were being 'busied out' a few weeks ago; that means the FCC was actively monitoring the pirates and had someone at telco shut off a loop as soon as the number was announced on the air. This happened back in 1976 prior to the WPCR bust by FCC agents Jack Schedetsky and Alexander Zimney (Harry Helms, 7/3)

Yes, contrary to the feeling of Stan, use of loop lines by the NYC pirates in no way suggests that anyone in the phone company is involved or ever has been nor does it suggest there is a connection between the various stations. They are most often called 'milliwatt loops' by the phone company. If the FCC has any interest in these pirates, they can easily get the cooperation of the phone company in tracing the line connected to the loop. The phone company usually contends the use of loop lines is illegal but rarely, if ever, prosecutes their use. Obviously, if a person calls either side of the loop when the radio station isn't using it, there will be no answer (Don Erickson, CA)

Radio ABC England raided and operator lost the xmtr, was fined 175 pounds and damaged his car trying to escape the GPO. The GPO said the band used was for ship communications and that the 40 watt xmtr could be heard 1000 miles away and might be a danger to shipping. The defence pointed out that R. Peking uses the same freq with 240 kW. They will return in the spring, says operator Phillip Jerferson, 25, who is a pYe technician at Cambridge. When caught they were broadcasting from a car amidst derelict buildings at Shirehill Farm, Saffron Walden (James Hobson, WDXC Feb Contact)

Skull & Bones Radio System (S.B.R.S.--"The Freaky Station of the Nation") 6220 heard Sun at 1000, sent a poster, saying that "All transmissions (sic) come from the local "Graveyard", Tomb no. 6." Their 'skeleton' staff consist of Gary St. John & Tom Richards, and they're on the air from "10 am till DEATH"! (Brian Wallace, WDXC Feb Contact)

Radio Sandino When in San Francisco recently I queried a member of the Frente Sandinista de Liberación Nacional about this station (cf Mar LN-6, Feb LN-9), and he said there was no such station; nor is it referred to in various literature I picked up. Speaking of posters, as a souvenir to LN readers of a clandestine that does not (yet?) exist, I will send a color 8 1/2 x 14" Sandinista poster to the first six sending SASE; any others will get a xerox (gh)

Radio Abdala (Cf Feb LN-9, Jan LN-10) It's enough to sour a guy on the whole idea of QSL-ing. I sent my first reception-report-for-QSL in years to the address listed, but there has been no reply. And they kept my r.p.!! Anyone else have any luck? (gh)

Numbers Stations (Cf Dec LR-C-2 9121) On 23/2, 7320 kHz, R. Moscow English s/off at 2159, didn't notice any carrier interruption, and went right into German numbers, "2, 2, 2" pronounced /tzwo/ repeated thrice, then count 1 to 0 (10), 0 pronounced null, ran to 2209 when crushed by BBC carrier with bells. May not be East Germany but right from Horse's mouth, so to speak. Still open to question; didn't make tape. Same SIMPO as programming before it, 34423 (Frank J. Hermann, Ont.) "Atención 010 174" SS YL numbers has been showing up around 3865 kHz about 0515Z many evenings, and unexplained CW, using only numbers as identifiers, Q signals, and coded groups has been popping up near 3805 many evenings after the numbers YL goes off! (Harry Helms, SC)

Voice of the Chilean Resistance SP pgm has been re-introduced by R. Algiers, inaugurated 1/4 1975, not heard since early 1976. Now heard 0003-0030 on 7050v and 7245. Announcements said the program prepared by the Info Office of the Chilean Resistance in Algeria, would resume regular operation 1/3 for anti-fascist Chile, Latin America, Africa and Europe (BBCMS)

Voice of Free Sahara via Algiers retimed to 2100-2200 on 575 kHz. Also hrd on 9623 15/2 and 11786 16/2 (BBCMS 23/2) Arabic to 2130, then SP or FR (Jean-Jacques Bloch, SCDX 14/2)

Voice of the Free Canary Islands (Cf Mar LN-7) The leader of the Canary Islands liberation movement, the MPAIAC, has confirmed the station close-down (M.M. Romero, Spain, SCDX 14/2)

Voice of the Communist Party of Turkey It has been confirmed that programming increased 1/2 from 2 x 30 min pgms daily to six. Also announced wavelengths are 31.5 and 48.5 m, the stn in fact broadcasts on 9585 at 0400-0430, 1640-1705, 1815-1900; and on 6200 at 0810-0840, 2030-2100 and 2200-2245. Xmtr believed located in Romania (BBCMS 2/78 and 23/2)

Voice of the People of Burma retimed its xmsn on 6304 already 2/2 from 1400-1500 to 1030-1130, and on 2/3 to 1330-1430 (BBCMS) The timing of this program varies month to month, but no pattern has so far been identified (BBCMS 12/1) They do have a pattern. It's at 1030-1130 even-numbered months; 1330-1430 every four months Mar/Jul/Nov; 1400-1500 May/Sept/Jan (Ugusa)

Vietnam (Cf Jan LN-11) Re the Hersh story, I know 5 stns: Voice of the Patriotic Militiamen's Front, Radio Liberation of the South, Radio Red Flag, Station Mother of Vietnam, all in Vietnamese, and R. Vietnam Homeland in Cambodian (Isao Ugusa, FEDXR)

Voice of Arab Syria & Voice of One Lebanon (Cf Mar LN-7) not discontinued, both heard at 0500-0600, 0800-0900, 1800-1900 on 6060 and 9510 with jamming from Damascus (Offer Barth, Israel, 13/2)

Voice of Palestine, Voice of the Palestinian Revolution -pgm via R. Baghdad since 1/2 reduced from 2h per day to one at 1800-1900 on 1035 kHz, irregularly on 9550 (BBCMS 9/2) VOPVOPR's own MW xmtr on 1508 announced that from 1/3 the 1400 xmsn would be retimed to 1500-1700 (BBCMS 2/3)

Voice of the Revolution, Voice of the Peoples Front for the Liberation of Oman, via Libya 2000-2015 in AR on 11700/9650/6100 + MW, replaces Voice of the Sudanese Nation which was at 2000-2030 autumn 1977 (Jean-Jacques Bloch, SCDX 14/2)

Voice of the Chadian Revolution BCs on MW 827 kHz, AR & FR 1800-1810, FR 1810-1835, AR 1835-1900 (Giovanni Sergi, Messina, Italy, SCDX 14/2)

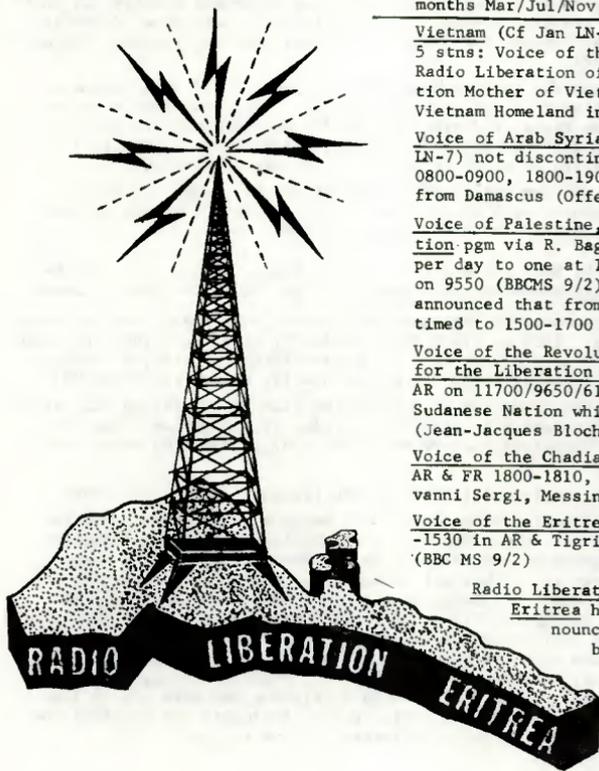
Voice of the Eritrea Revolution BCs Sun/Tue/Thu 1430-1530 in AR & Tigrigna on 7240 ex-9637 via Baghdad (BBC MS 9/2)

Radio Liberation

Eritrea has an-

nounced a fund drive to raise \$50,000 by 8/78 to "present the true voice of the Eritrean people and expose distortions" (Eritrea in Struggle newsletter 1/78 via Hugh Miller, Seattle WA; also source of illustration at left)

FUTURE PLANS



LAOGBANI Despite speculation in some sources, BBC does not intend using 26 mhz channels in the near future. Letter from David Gallop, of Eng. Dept. advises that effective coverage is already being obtained on 21 mhz (Bob Padula, Mar ADXN). In my opinion, both 26 and 21 mhz are virtually useless for any kind of broadcasting. However, both 26 and 21 mhz should be quite effective with the unexpectedly rapid rise in the sunspot count during Feb and Mar. One day when Israel was booming in on 25605, there was a very suspicious open carrier on 25720, a onetime BBC frequency known as GSR (gh)

SWAZILAND Radio SR, whose EG pgms are intended for the Black audience, has been receiving 10,000 letters per week, and thus plans to expand EG BCs by 24h per week as of 3/4 (Gerry Wood, R. RSA DX Corner 18/3 via gh) I know, it's not 'future', but M.R. already typed..(gh)

NEW HEBRIDES (Cf Mar LN-3) In regard to Arthur's comments, as far as I know from my sources, independence is still a long ways off. They have only recently established a target date of 1980 or 1981. However, independence is finally becoming a reality for The Solomons --July 7, Tuvalu--Oct 1, and The Gilberts are sked for June; however, the Ocean Island question has to be settled. The name for the independent Gilberts escapes me right now; however, if and when the Marshalls separate from US jurisdiction, they will most likely be named Ralik Ratak (Bob Bodeil, OR; info from Pacific Islands Monthly)

MONTSERRAT BBC Engineering Dept advises in a 27/1 letter that no service date has yet been announced for their relay facilities at Montserrat (Brian Clark, Feb NZ DX Times)

MONACO TWR will shortly operate two new 500 kW SW xmtrs in Monte Carlo, primarily beamed to Eastern Europe (Süddeutsche Zeitung via BBCMS 23/2) Heavens, where will they put them, since their existing xmtrs had to be put over the border in France?! (gh)

MÉXICO The radio station of the Universidad Autónoma de Nuevo León in Monterrey, which will operate on FM, may also put on a SW xmtr. If this is approved, R. Universidad would operate with an authorized power of 5970 kHz (sic). It should go into operation by September at the latest. Programming would be designed to raise the cultural level of the regiomontanos (El Norte, Monterrey, 24/2 via Horacio Hinojosa Arce) A regiomontano is simply an inhabitant of the Monterrey area (gh)

MALAYSIA (Cf Jan LN-12) Minfo anc'd 17/2 that VOM plans to begin Burmese & Malay BCs in 8/1978, esp. for Malaysian students residing abroad. Also considering Vietnamese, Cambodian, Laotian and Japanese in addition to present VOM langs Indonesian, English, Standard Chinese, Thai, Arabic and Tagalog (BBCMS 23/2)

FRANCE After conspicuously ignoring the Western Hemisphere for years, and only recently condescending to broadcast a HS relay in FR to us in the mornings, RFI now plans an evening service to N, C & Sam (gh) RFI has registered with ITU for J78 at 2300-0400, to ENAM & Mex 11755 100 kW; SE Sam 11925 100 kW, rest 500 kW: NW Sam/CAM 11745/9505; NE & CSAM 15135/11735 (Larry Magne, PA) No indication of which languages to be used as yet (gh)

AUSTRALIA Approval was given in late Jan for reconstruxion of the Cox Peninsula stn at Darwin. First, erection of one antenna, so that one 250 kW xmtr can return to the air ASAP (Kieath Glover, RA Mailbag 3/2 via Roberts Jones & Hanner, Mar ADXN)

DX PROGRAMS

UKRAINE R. Kiev anc'd 12/1 that its DX pgm would thenceforth be on Weds, every Wednesday; all ham, no BC nrx, 0048-0156 (Tom Blossom)

SRI LANKA As from Sun 19/2, "Radio Monitors International" is hrd thrice each Sunday on new sked: 0315 on 15425/9720 to India. 1100 on 17850 SEAs, 15120 FE, 11835 Au. 1900 on 17850/15115 Eaf, 11870/9720/7190 ME. Now 15 min long in 3 segments--Station Profile, a Technical Topic, and DX Digest; produced in India by Adrian Peterson, Box 15, Poona (via NASWA HQ)

PORTUGAL R. Portugal has a FR DX pgm, produced by the Belgian club Telex, called "DX-Party" alternate Fris 2115 during Listeners Corner on 6025/9740. Telex also produces a pgm for Adventist World Radio via Sines, "Echo-Radio" every Sun 0730 on 9770; Mon 2100 9670 (George Cany, Nantes, France, SCDX 14/2)

POLAND Warsaw to have a DX Club & pgm from 1/1/78 in EG svc (Edwin Southwell, Feb WDXC)

NETHERLANDS Espacio-DX-ista (RN's Spanish DX program) will begin a TV DX course in a few weeks (Espacio DX-ista 24/2 via gh) I am having trouble convincing the audio technicians for RN's Spanish & English DX programs of the value of an occasional authentic DX station recording inserted in my monthly reports. They get edited down to meaninglessness, or even replaced with other recordings, because of alleged poor audio quality--in fact, they are never so bad as some of Bonaire's pickups of Hilversum SW feed have been, full of RTTY and other garbage. And it seems to me that the audience of a DX program, if no other, would gladly put up with slightly degraded audio in order to hear an authentic DX recording--such as the Cuban clandestine R. Rebelde, which was originally about 2 minutes long, my having laboriously edited that down from half an hour, and which by airtime had been cut to less than half a minute. But I will not waste my time again, unless listeners can convince the program producers not to tamper with such genuine DX recording inserts (gh)

DOMINICAN REPUBLIC R. Clarín has an EG DX pgm, hrd Mon Febr. 13 2345-2400 on 11700 (Jan Ginter, Plock, Poland, SCDX 28/2) Ha! Actually, that was just me with a tape I put together on the spur of the moment called "REVIEW OF INTERNATIONAL BROADCASTING OF THE AIR". Rudy played it again a couple times, and then offered me and any other DX clubs interested, a weekly 30 min of air time GMT Suns at 0000. I sent a further "RIBOTA" tape which may or may not have been aired before Rudy departed for his US tour. While he's gone, nothing has come of the Sun 0000 spot. So further RIBOTAs may just be put in "This Is Santo Domingo" slot 2130-2200 and 2300-2400 as before. If any kind of regular sked can be held to, I have asked for the last Friday, or local Saturday of the month for RIBOTA. Please pass the word to any blind DXers/SWLs you know who would otherwise like to read RIB (gh)

AUSTRALIA Responding to a protest letter, Allen Hull, RA Asst. Dir. of EG Pgms, writes that "the dropping of DXers Calling was not an easy decision to make. We knew of its high standing in DX circles, and were conscious of its history. With only one EG Language Service, we constantly have to review our programme output to ensure we are making the best use of the programme time available. It was within this context that we decided to combine the specialist programme DXers Calling with our other weekly programme for SW enthusiasts, Club Forum. This allowed us to introduce the new and significant science series called Insight. While I can appreciate that no amount of explanation will make you feel any happier about the loss of DXers Calling, I hope you can at least understand the reasons behind our decision." (Bruce Williams, Feb NZ DX Times)

PROGRAM NEWS

UKOGBANI A few BBCWS April picks by gh: Blood diseases, and circulation, 2nd & 9th 1830 & 2330; 5th & 12th 1430. The Incomparable Witness, Sir Bernard Spilsbury, 15th 0030, 17th 0945, 18th 1330. Trumpets & Pâté de Foie Gras, same times following week. Elephants, 15th 1130, 20th 0330, 21st 2030. On board the Ark Royal, following week. Stainless Sheffield week after that, same times. And at these times on 8th/13th/14th, Supercars--British-style. A new comedy series, "an amazing blend of madness and merriment" in the tradition of the Goon Show, starts this month Suns 1430, Tues 0330, Thurs 1030, The Burkiss Way to Dynamic Living. The zany panel game Just A Minute returns, Suns 1715, Thurs 0230, Fris 1215, starting Apr. 9! The man who loved painting, Sir Gerald Kelly, 8th 0030, 10th 0945, 11th 1330. Meet the Composer, Sats 0230, Weds 2030, Thurs 1000, Fris 1430: week of the 1st, Dr Edmund Rubbra, 8th Peter Maxwell Davies, 15th Stephen Dodgson, 22nd Sir William Walton. London Calling is an even better value now, expanded to 24 pages of slick paper.

SWEDEN R. Sweden is considering reorganizing weekend programming, including dropping The Saturday Show from SW. We need people writing in to defend it (George Wood, The Saturday Show, Radio Sweden, S 105 10 Stockholm, Sweden) Such editorial freedom to criticize injustice both at home and abroad is a rarity on SW and deserves our support (gh)

NEW ZEALAND If you miss all 4 weekend airings of "Letter from America" on BBC, all is not lost. Tune RNZ GMT Weds at 0540 on 11850/15130 for a repeat; was 0440 in Feb when on DST; not at 0340 as I mis-reported elsewhere (gh)

ISRAEL IBA plans special holiday pgms for Passover, 21/4 at 2000 & 2230, 22/4 at 1200, and at same times a week later; likewise 3/5 and 4/5 for Martyrs' & Heroes' Remembrance Day(gh)

IRAQ R. Baghdad noted 21/2 at 0330 on 11905 with Arabic language lessons (Pete Grenier, CA) AR DS "VOM" has new pgm since 15/2 at 2000, "The Radio of the Voice of Egypt of Arabism" to 2100 on 11725/7240/7180/1035/692 "...to all the progressive forces struggling on the path of the national and pan-Arab struggle in Egypt and rejecting the line of treason and capitulation" goes the opening announcement (BBCMS 23/2) Guess it's sorta bland... (gh)

GERMANY WEST As from 1/7/78, DW Asian pgm will carry a new beginners' course of German lessons, "The Baumann Family". Write us right away for a free text book (Hallo Friends 1/78) RIB readers should deluge DW with requests to include it in the EG svc to NAM. If there are enough listeners in India to make it worthwhile, there must be many more in NAM! (Dave Walcutt, TX, in March REVIEW OF INTERNATIONAL BROADCASTING) You too, FRENDX readers! (gh)

INDIA (oops) AIR is to have a "Hindu by Radio" lesson Thurs at 2020 & 2220 (Edwin Southwell WDXC Contact & DSWCI SWN, Feb) Would you believe "Hindī"? (gh)

FINLAND (Cf Mar LN-9) Finnish by Radio begins 2/4. an 8-segment introductory course on Suns to 'em the world's most difficult language'... (Hear Finland 1-78)

CHILE Em. Nuevo Mundo, 5955 has a 45-min SP nx bulletin "You, Chile and the World" at 1015, indicating an earlier sign on time (BBC MS 2/3)

CANADA Time change for "Royal Canadian Air Farce" on CBC AM net as of 1/4, to Suns at 1800 GMT. Will they also change on the CBC NS? I hoped to get the answer on RCI DX Digest 26/3

AUSTRALIA RA pgms for M78 include: A Brighter Day, Mon-Fri 2000-0100. Countdown pop mx & requests, Mon-Fri 0910-1100. Australia Tonight Mon-Fri 1100-1500. The Week in Science, Fri 1940, Sat 0140 0740 1340. Point of View Fri 2140, Sat 0340 1540. Au Arts & Entertainment Fri 2240, Sat 0440 1640. Au Profile Fri 2340, Sat 0540 1140 1740. Jazz Australia, at

0033 0633 1833 Sat. Denis Gibbons Sings folk mx and stories Sat 0110 0710 1310 1910. The Week In Business Sat 0210 0810 1410. International Top Hits, Sat 0910-1100. Sat. Sport, 0100-0630. Mailbag, Sat 1940, Sun 0140, 0740, 1240. The Week Here & There, press review, Sat 2040, Sun 0240, 0840, 1440. The Au Inventor Sat 2140, Sun 0340, 1540. Sporting Magazine Sat 2240, Sun 0440 1640. Science-Insights Sat 2340, Sun 0540 1140 1740. Australian Scene Sun 0040 0640 1340 1840. Australian Top Hits Sun 0910-1100 (via Wilder Pickard, IL)

PUBLICATIONS Review of International Broadcasting LN is mostly fact; RIB is mostly opinion, mostly that of listener-contributors, not gh. How can you do without both? If you hurry you can still get a sample of the March issue, with a snazzy green cover illo by Diane Lévesque containing 34p of ideas. 75c from gh, address on LN-1. Or you can subscribe, already, 12 issues for US\$9--US\$15 overseas air. With postage at \$1.24, I must ask 7 IRCs or \$1.35 for overseas air samples--a bargain! (gh)

Far Eastern DX Review No. 18, includes 6-page article with maps on Radio Broadcasting in Japan & Manchoukio in 1938; 4-p on RRI Pekan Baru including program sked. Much more. Sample for 5 IRCs including airmail postage. JADX, CPO Box 1766, Tokyo 100-91, Japan (gh)

Modern Electronics, a new magazine out in Feb, \$1.50 published by CQ's Cowan, includes on p. 68 an article on SW receivers (Ronald G. Spangler, Jr., VA)

1978 Communications Handbook, published by PE, on sale about mid-March, contains 4 original articles by Harry Helms and gh's Good Listening & Rare Catches, and much more. If you can't find it on newsstands, can order for \$3.00 money order to C.H., Ziff-Davis, Room 721-A, One Park Ave, New York NY 10016. Specify 1978 Edition. Offer limited to NAM (ANARC)

Communications World 1978, filled with info helpful to every DXer, now on sale at newsstands for \$1.50. Or by mail, \$2.00 from C.W., 229 Park Ave S, New York NY 10013 (ANARC)

FM Atlas & Station Directory new edition published in Mar. Detailed highly accurate info by freq and location. \$3.95 book rate, \$4.50 first class, US funds by PMO only. FM Atlas, Box 24, Adolph MN 55701 (ANARC)

NRC Domestic Log, new edition of all MW stns in US & Canada with extensive detail, to be published in late April. Orders postmarked by 17/4 qualify for reduced pre-publication price of \$6.95 in US Funds by PMO; shipped 4-6 weeks after 17/4. NRC Publications Center, Box 401, Gales Ferry CT 06335 (ANARC)

CB's Secret Wartime Mission, by Tom Kneitel, in 2/78 S9. Interesting story of U.S. state-side monitoring of 27 MHz skip from Afrika Korps communications. A few slapdash errors; tank photo actually is modern Bundeswehr (Hugh Miller, WA)

Co Evolution Quarterly, Winter 77/78. A farout view of broadcast "as viewed at the end of the broadcast era." Futuristic services; world TV overview; four arguments for eliminating TV; three forefathers; Tesla's vision of broadcast; Zapping of America (by USSR's 'pulsar') \$3.50 at newsstands (Hugh Miller, WA)

Interval Signals -- A New Concept A New sound order presentation of current SW ISes runs 60 min. Most are of excellent off air reception or studio quality and include ID. Ideal aid for SWLs, serious DXers or even professional listeners. A current copy (which is kept up to date) is produced on a C60 cassette plus introduction sheet for 2.50 pounds. Copies are updated on request. Proceeds go to a special programme for the disabled on TWR/FEBA. Apply to: Osborne, 14 Netley Close, Caversham Park, Reading RG4 0SG England (WDXC Feb)

How to Identify & Resolve Radio-TV Interference, item 12P8 in the Feb 78 USGPO catalog, \$1.50 from Public Documents Distribution Center, Dept. 11, Pueblo CO 81009 (Lobel, IRCA)

Radio Brief is a short--last issue 12 pages--round-up of the alternative radio scene from a British point of view. Published irregularly, the latest issue costs 28p in Britain, 4 IRCs abroad. Address: 8 Skardu Road, Cricklewood, London NW2, England (SCDX 21/2)

Sounds Alternative is the quarterly newsletter of the Free Radio Campaign, Ireland, 53 Charlestown Rd, Dublin 6, Ireland. Annual subscription 1 pound in Ireland & UK, 1.20 in Europe (Andy Robins, MI & SCDX 21/2)

Esperanto Radio Club was founded 1/1/78 to inform Esperantists around the world about what is going on on SW. A club bulletin is planned. Write ERK, Box 730453, D-2000 Hamburg 73, W. Germany. Those in Europe should enclose one IRC; outside Europe, 2 IRCs (SCDX 7/2)

Eavesdropping: The Radio Signature of the Earth, by W. T. Sullivan III, S. Brown, C. Wetherill, in Science, 27 Jan. 1978. Semi-technical article demonstrating that radar and TV signals from earth can be detected at interstellar distances, and a wealth of cultural information deduced from them, altho program material is not taken to be detectable (gh)

THE PULSER Soviet style SW radar was heard again on approx. 2650 kHz briefly at 2123 7/3. During the next few hours a minor Trans-Atlantic MW opening was observed: Nice, France on 1349 at 0050, where it continued to produce a strong het for about an hour; and St. Pierre on 1375 kHz at 0017. (continued...)

The 2650 kHz radar was heard again 8/3 from 1927 tune in, roughly FOUR hours before sunset at Crystal Beach. The signal faded in and out at first but gradually became stronger. At 1957 the bandwidth was observed as at least 50 kHz. The radar left 2650 for the day at 2127. Despite intensive monitoring during the next few hours, NO MW T-A signals were found. But reception of upper-latitude NAm stations was unusual. K500-1140 SD tentatively logged under WRVA VA at 0001-0010. At same time, KFAB-1110 NE was way atop WBT NC.

The 2650 kHz radar was again audible at 1820 9/3 but had disappeared by 1930.

In Feb LN-14, Glenn questioned whether the 2650 kHz radar signals were really coming from the USSR. There are only two other possibilities. First, the Soviets could have an OTH radar station in Cuba. But Cuba is not much more likely to be heard on 2 MHz at 1820 in southern Ontario during March than is the USSR. Or put it this way: A wide-band Cuban-based SW radar that powerful would cause massive HF communications disruptions over the SE U.S. and that would have been reported in the press.

The other alternative is that the U.S. is operating a SW OTH radar system exactly the same as the Russian system, the American system may be responsible for some of the communications disruptions previously blamed on the Soviets, and such an American system would certainly cause communications disruptions in the future (SWNS)

UNIDENTIFIED 3555 At 0926 & 1710, FR pgms hrd at fair level regularly lately with QRM from hams and RTTY (Jack Seale, Feb NZ DX Times)

4760 (Cf Feb LN-9, Mar LN-9) Is definitely WANB in Waynesburg PA, 3 x 1580. First logged it 16/11/77, with ID, ad for "Waynesburg American Hardware Store". Called station, and they didn't know anything about it. Only 500 Watts (Mark Mohrmann, Syracuse NY) Great, but-- 3 x 1580 = 4740. Harmonics are exact multiples; you can't have a 20 kHz error! (gh)

5048.5 (Cf Feb LN-9) The time station at 5050 now zero-beats on the BFO here, and now has time pips every ten seconds. Still don't know who it is. (Pitt McNeil, DC, 5/3) Is it really giving accurate time, or just holding the channel with beeps at non-exact times?(gh)

5105 (Cf Mar LN-9) I also heard Stoller's 5110 stn, closer to this freq 8/2 from 0504 tune in to 0511* Music played sounds different tho. Was something like Dvořak's Slavonic Dances, lively and heavy on the strings. Seemed to be on a tape loop with two segments of music, one 4 mins, the other 2. At the end of the shorter segment, man's voice said "Bar-OH-NA, bar-OH-NA, bar-OH-NA!" or the like. Strange sort of strident and grouchy voice. Is it just a coincidence that in both cases the signoff was at :11 after the hour? Why do you suggest a Czech spy station? (Bernie Dodge, Syracuse NY) Because a station with similar characteristics was so identified by a listener after I played it on DX Juke Box (gh)

11800 apx. I heard some ute that I don't understand, at 2348 tone, 2349 ticks like CHU, then at 2349½ change to a lower tone and wobbly ticks, then 2350 adding a sound like a squeaky rocking chair, 27/2 and 28/2; QRM'd out at 2351. Any ideas? (Dave Hascall, IN) No, except I wonder if your receiver gets images from ± 910 kHz (gh)

TIME JUMPS This is the season for many Northern Hemisphere countries to advance time by an hour, trying to fool their citizens into thinking the days are longer. This sometimes has an effect on broadcasting schedules, especially home services. Check last year's listings for an idea of what is likely to happen when this year. So far, BBC MS has only reported these changes: Poland goes to GMT + 2 between 4/2 and 1/10 Portugal to GMT + 1 same dates. Uruguay went back to GMT - 3 on 5/3, having been on summer time of GMT -2 (gh)

LAST MINUTE ITEMS (These were all logged 1/4, but the reporter forgot to include her name -gh)

- 10150.17 N. KOREA R. Yingyang; 0940-0930 w/M tiking backward, songs sung backward, freq drift. In fact, by the end of xmsm, Yingyang had WWV covered...5 MC!!!
- 9757 INDIA AIR-Jerusalem; 1150+ w/pgm "East Meets West"--example: an Eastern statesman is asked what he thinks of Western civilization. He replies "I think it would be a good idea." Plop, plop, fizz, fizz, f/o 1155.
- 7007 SPY NUMBERS 0575 EG w/W giving out numbers (775-6611), asking for callers. Sez she's desperate. (NU) Obviously some kind of ham (ed.)
- 95?? unID 1430 (?) M or W in lang, maybe ID 1457, mtn of "WYFR". Help???? (BBCMS) Welcome aboard, OM. You are truly one of the area's outstanding DXers. (ed.)
- 4673 GUATEMALA R. Minochoolayokaklamattawordazenda; *2250-2259* w/W giving ID, then abruptly off.
- 2100 CLANDESTINE R. #*!!?çç*!; 0830 w/W in strong lang, tirade against Truman's closing the 24-hr laundromats. Power 100 mW.
- 15000 unID
- 11700 IRELAND RTVI; 0150-0750 IR, DX pgm 0155, RX pgm by druggist 0250, QRM by Strawberry jammers until 0700.
- 5010 CHINA R. Peking Relay; 2100 CH w/relays, transformers, and armed resistors, into lively LA mx.

P.S. -- out of order

QSL REPORT

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



AFGHANISTAN: Radio Afghanistan 15365 f/d cd. in 2 mo. (Barto).

ALBANIA: Radio Tirana 7120 "Flower" cd & sked in 22 ds. (Noonan). 7300 red & white "Revolutionaire" cd in 137 ds. for one IRC. (Burns). same in 5 mo. (Leithner). same for 7065 in 96 ds. (Pappas).

ANTIGUA: BBC 6195 cd. in 65 ds. (Poole). 6175 "Tower" cd. in 55 ds. (Burke). Deutsche Welle 15155 returned my prepared cd. w/ all details. Stated that they would no longer accept prepared cards as this would interfere w/ their adopted QSL policy. I did receive a pennant. (Bares).

ARMENIAN SSR: Radio Yerevan 9735 f/d cd. in 50 ds. for an EG aerogramme report (Glazzy).
ASCENSION ISLAND: BBC 9580 "Tower" cd. in 59 ds. (Burke).

ASIATIC RUSSIA: Radio Ufa 4485 Larry received a certified package from Bashkira w/ the word 'QSL' and his date of reception of 21/12/77 on an accompanying letter. He also received a large full color booklet describing the area. All for no IRC's (Ledlow). A truly great catch Larry... Sam. Radio Moscow via Krasnoyarsk on 1940 in 34 ds. for the ANZ Service (Hoffman). via Khabarovsk on 15100 in 32 ds. (Salay).

AUSTRALIA: VLMG 6140 "Map" cd. in 1 mo. for 1 IRC (Schweikart). VLM4 4920 Bald Hills, f/d cd. in 79 ds. for 1 IRC. (Zajda). same in 19 ds. (Sillings). VLM9 9610 Perth, f/d cd. in 1 mo. (Sillings). same cd. in 21 ds. for 2 IRC's (Westling). VNG 12000 f/d folder cd. in 43 ds. for 2 IRC's (Baum). Radio Australia via Shepparton on 15320 w/ cd. and sked in 19 ds for 2 IRC's (McDonald). same "Parakeet" cd. in 207 ds. (Golkin). 9580 "Common Fringe Lily" cd. in 10 mo. (McKinney). "Pink Rose Cone" cd. for 9580 and 11705 in 108 ds. (Meehan). 9580 "Scarlet Crested Parakeet" cd. in 7 mo. (McKinney). via Shepparton on 11705 w/ "Lily" cd. in 2 mo. (Barto). via Carnarvon on 11795, Shepparton on 11825 and via Lyndhurst on 5995 w/ "Flora and Fauna" cds. in 4 mo. (Hermann).

AUSTRIA: ORF 6155 f/d "Art" cd & sked in 37 ds. (Clark). 9770 f/d "Studio" cd. in 52 ds. for Gilfer form. Received an Austrian coin for a Canadian penny (Berezowski). "Lovers" cd. in 28 ds. for 2 IRC's. (Burke)... From the report this card must be a beauty... Sam.

AZERBAIJAN SSR: Radio Baku 4785 f/d white cd. in 18 wks. (Cannon). Radio Moscow via Baku on 21490 in 45 ds. (Salay).

BELGIUM: ORU 6080 f/d "Map" cd. in 1 mo. (Burns). same in 29 ds. for 1 IRC. Sent pennant, brochure & sked (Fraser). same in 42 ds. w/ pennant (Baum). same in 35 ds. w/ pennant sked, postcards, brochures, etc. (McDonald) same in 33 ds. (Clark). 6065 cd. in 34 ds. for an EG report. (no name)



Equipe 1040

Support the
 best DX Club
 NASWA

AQUI TUPI

com a gente, é bola pra' frente!

At this point in the column, I must thank and credit the older QSL's to Mr. John Tuchscherer. Thank you.

ESTACION EMISORA
YV 10RSC
 LA VOZ DEL TACHIRA
 SAN CRISTOBAL - VENEZUELA
 Confeccionada en soporte de acetato de vinilo
 Emision correspondiente al dia
 4 de Agosto de 1975
 por el cual se danos tambien copias
 San Cristobal de la Cruz
 Por "La Voz del Tachira".
 Tuchscherer

**H
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 A
 B
 D**

RADIO BUCARAMANGA
 BUCARAMANGA COLOMBIA S.A.
 P.O. BOX 107890 - BUCARAMANGA - COLOMBIA

VERIFICATION FROM
RADIO BUCARAMANGA
 BUCARAMANGA COLOMBIA S.A.
 P.O. BOX 107890 - BUCARAMANGA - COLOMBIA

BUCARAMANGA PIONEER IN THE NEW
 FIELD 11000 IN THE WORLD.

SEARCHED FOR BY PERIODIC BY THE
 SWANSON AND WIFE COMPANY
RADIO BUCARAMANGA
 Tuchscherer

BIAFRA: GBC-2 Eujura 4980 f/d cd. in 65 ds. for 2 IRC's (George).
BOLIVIA: Radio Pan America 6034 card & pennant in 3 wks. SASE was not used. (Field)...Marlin has some fine reports in this issue. In almost everyone the SASE was not used...umh...Sam.

BONAIRE: TWR 11815 "Building" cd. in 17 ds. for 2 IRC's. v/s Julius Schipper. (Burke). 15255 "Antenna" cd. in 1 mo. w/ station sticker. (Barto). 11925 & 800(BCB) "Tower" cd. in 23 ds. (Burns). 11925 f/d cd. in 31 ds. for 1 IRC. (Clark). Radio Nederlands 6165 f/d cd. in 98 ds. (McKinney). 6020, 17810, 9630, 21640 and 11790 "Staff" cds. in 7 wks. (Barto). same card for 17810 in 10 ds. (Noo-nan). TWR 11925 "Tower" cd. w/ f/d in 26 ds. for 2 IRC's. (Schipper).

BOUGAINVILLE: Radio North Solomons 3322.5 very personal letter was received in 42 ds. from Aloysius Sahoto, Station Manager (Poppin)...I've heard several kind comments about Mr. Sahoto. A nice individual to keep in touch with...Sam.

BRASIL: Radio Ribeirao Preto 3203.8 "Clube de Campo" cd. in 2 mo. for a PT rpt. (Barto). Rdf. de Macapa 4915 f/d cd. in 1 mo. after my 13th try. v/s A. Nogueira de Souza. SASE was not used. (Field)...Very Nice...Sam. Radio Poti 4965 EG form ltr. in 7 wks. for a

Lookie Here...

PT rpt. v/s Alderico Leandro Alves. The v/s collects postcards and magazines. This QSL is a must for the collector of the unusual. (Bishop). Radio Presidente Prudente 5045 personal ltr. & postcard in 2 mo. after my 3rd try. SASE not used (Field) Radio Bandeirantes 11925 "Studio" cd. in 79 ds. for a PT rpt. and 1 IRC. Also rcvd pennant. (Glazzy). Radio Nacional de Brasilia 11780 nice white cd. in 58 ds. for an EG rpt. and 1 IRC. Sticker also rcvd. (Desrosiers). same in 3 1/2 mo. (Bohlke). 9665 same cd. & sticker in 5 wks. for a PT rpt. v/s Reginaldo Azevedo, Head of the Correspondence Section. (Barto). Radio Educadora 6 de Agosto (Radio Xapuri) 3411 ...a very rare QSL received by Joe DiLeo...see next page (DiLeo)...Great.

BRUNEI: Radio Brunei 4865 Berakas, "City Scene" cd. in 3 wks. for 3 IRC's (Poppin).
BULGARIA: Radio Sofia 5915 "Resort at Pamporovo" cd. in 48 ds. (Fraser). "Memorial" cd. in 45 ds. w/ contest info. (Burke). 6070 & 49 mb in 57 ds. (Berezowski). 6070 in 37 ds. (Clark). 31 & 49 mbs. in 90 ds. Said they are sending me a certificate for receiving all 6 of their QSL's. Next comes their "Silver Diploma". (Meehan).
BYELORUSSIA: Radio Minsk 7420 postcard and EG ltr. in 4 mo. (Hoogerheide)...Nice QSL...Sam. Radio Moscow via Gorky on 11860 f/d CMEA cd. in 45 ds. (Kusalik).
CAMEROON: Radio Cameroon 4972.5 Yaounde f/d cd. in 2 1/2 mo. for a FR rpt. and 1 IRC. (Lazarus) same for 4850 in 82 ds. for an EG rpt. (Pappas). same "Map" cd. in 61 ds. for an EG rpt. and ms. (Glazzy). Radio Garoua 5010 f/d FR form ltr. in 33 ds. for EG rpt. and ms. v/s Eboou Zame (name). same in 58 ds. (McCarthy). same in 29 ds. for an EG rpt. (Salay). Radio Buea 3970 ltr. in 6 wks. for a FR rpt. (Hoogerheide).

POTENCIA 42 W.
 FRECUENCIA 5865 K.C.
 ONDA DE 51.15 METROS

H-I-1-J

DIRECCION:
 CALLE MACANZA NOROCCO 3
 P.O. BOX No. 204

SAN PEDRO DE MACORIS. REPUBLICA DOMINICANA. (W. L.)
CONSTRUCTOR-PROPIETARIO FAUSTO M. DONASTORG
 Transmisiones: Todos los dias, de 12j & 2 P. M. y de 6j & 9 P. M.

Damos las gracias al Sr. J. B. L. Hinds por habernos reportado nuestra transmision de Sept. 27/35 y siendo conforme con nuestros records, gustosos le enviamos nuestra tarjeta de verificacion. Esperando nuevamente sus noticias quedamos a sus ordenes.

RADIODIFUSORA
H-I-1-J

 San Pedro de Macoris, 14 de Octubre de 1935

Georgetown, British Guiana.

V.P.3.M.R.

"THE VOICE OF GUIANA"
SOUTH AMERICA.

We beg to acknowledge receipt of your report on reception of programme of 22.8 August 1935

Our present Schedule is: Sundays 9-11.30 a.m.
Mondays 5-6 p.m., 8-9 p.m. Wednesdays 8-9 p.m.
Thursdays 6.15-9 p.m. Saturdays 8-9 p.m.
 Frequency 7050 Kc. *Social*
Special time - 2 hours on
1.30 to 3.15 P.M.

1260 KC.

LA VOZ DE TRIUNFO

5955 KC.

SANTO DOMINGO DE LOS COLORADOS
 PUERTA DE ORO DEL TURISMO

SUPPORT NASWA AND KEEP THIS COLUMN THE BEST ONE GOING.....Sam.

DEADLINES

One of our reporters recently asked about deadlines for the QSL Column. As the deadline for the actual publication of the bulletin varies so does my deadline. I usually do not do any typing prior to the 20th. If you can get your reports in by the 20th, you'll be all set.....Sam.

SUPPORT NASWA



ESTADO DO ACRE
PREFEITURA MUNICIPAL DE XAPURI
RÁDIO EDUCADORA 6 DE AGOSTO

Prezado amigo Joe Di Leo

Sinceramente é um motivo de muito prazer receber carta do nobre amigo e saber que a nossa pequena e humilde emissora está sendo captada no exterior, recebi sua carta datada do dia 02 de dezembro de 1.977.

Notei perfeitamente que o nobre companheiro sintonizou! a nossa Rádio no Horário das 22,00 Hs. Hora Acre Brasil, onde naquela oportunidade eu, Ailton Farias apresentava o Programa de saude: "Educadora, a música e o pensamento", realmente me causou admiração pela sua sintonia.

Prezado colega na oportunidade eu quero pedir minhas mais elevadas excusas por não ter respondido sua carta com mais antecedência, devido muitos serviços que temos pela frente! quero na oportunidade informar ao nobre amigo que na próxima carta que eu lhe enviar lhe mandarei alguns postais aqui da nossa pequena cidade e possivelmente a fotografia da Rádio não deu para mandar agora por motivo de não ter na cidade, mais irei tomar as devidas providência e espero daqui por diante mantermos sempre esse contato amigo.

CANADA. CHU 3330 "Fleming" cd. in 16 ds.(Onken).

CBC-NS 11720 "Horizon" cd.and plastic pennant in 17 ds.(Norby). RCI 17820 prepared cd. in 20 ds.(Name).

CANARY ISLANDS: Radio Exterior de Espana 11880

ltr. in 23 ds.(Bohlke). f/d ltr. in 21 ds. for SP rpt. & 1 IRC.(Onken).same in 23 ds. for EG rpt. and 1 IRC.(Desrosiers). same in 25 ds. (Salay).

CHAD: RNT 4904.5 f/d "Three Scenes" cd. in 31 ds. for a FR rpt. and ms.(Glazzy).same in 26 ds. for an EG/FR rpt and 1 IRC.(Desrosiers).same in 30 ds. for 1 IRC.(Poole).

CHILE: Radio Portales 9572 personal ltr, FM and SW stickers in 1 mo. SASE was not used by the station. v/s Juan Videla Cumming, Gerente(Field)... Should read Radio Diego Portales.

CHINA, PEOPLES REP: Radio Peking 7120 "Peony Flower" cd. in 18 ds.(Bohlke). Tes. same w/ lapel pin in 35 ds.(Byron).15520 cd. w/ freq. in 3 wks.(Leithner).9780 f/d cd. & pennant in 24 ds.(Byron)."Forest and Mountains" cd. in 18 ds. (Fraser).9940 "Giraffe" cd. in 19 ds.McCullough). 3270 and 4020 "Woodcarving" cd. in 3 wks. w/ usual comment of no QSL for regional outlets(Poppin).15520 "Peonie" cd. in 1 mo.(Leithner).

Atenciosamente,

Jose Ailton de Farias
Jose Ailton de Farias

- Diretor -

I must thank all of you who have sent in illustrations for the column. If you don't see yours in the next issue, don't worry, they will appear in a future bulletin.

COLOMBIA: Emisora 70 4925 SP form ltr & pennant in 6 wks. (Hoogerheide). Radio Bucaramanga 4845 cd., decal & color photo in 17 ds. for a SP rpt and ms. (Howard). same in 3 weeks v/s Pola de Sorzano. (Barto). La Voz del Llano 6115 ltr. in 16 ds. via special delivery for a SP rpt. and ms. v/s Jairo E. Cifuentes, Director Proprietario. (Taylor). Radio Sutatenza 5095 f/d cd. in 31 ds. for an EG rpt and 1 IRC. (Desrosiers).

CONGO: RTVC 4843 Pointe Noire ltr. in 5 wks. for a FR rpt which was sent to both Brazzaville and Pointe Noire. (Hoogerheide).

CUBA: RHC 9685 f/d black & red logo cd. in 50 ds. (Onken). 9525 f/d "Modern Art" cd. in 4 mo (McKinney). 11760 same in 73 ds. w/ sked, ltr., 2 pocket calendars and a booklet (Zajda). same w/ badge in 68 ds. (Desrosiers). same w/ form ltr. in 47 ds. (no name).

CZECHOSLOVAKIA: Radió Prague 7345 "Art" cd. in 93 ds. (Meehan). f/d cd. in 2 mo. (Leithner). "Ski Village Scene" cd. in 4 mo. (Poppin). 5930 f/d cd. in 58 ds. (Clark). "Castle" cd. in 37 ds. for 1 IRC. (McDonald). same cd. in 54 ds. (Burke). 9740 f/d "Piestany Thermia Palace" cd. in 140 ds. (McKinney).

DENMARK: Radio Denmark "Radio House" cd. in 26 ds. (Poole)...frequency...Sam.

DJIBOUTI: Radio TV Djibouti 4780 cd. in 9 wks. for 1 IRC. (Sarrazin).

ECUADOR: HCUB 11915 f/d "Great Circle Map" cd. in 2 mo. (Lobdell). same w/ "Bird" cd. in 7 wks. (Lobdell). 9560 f/d "DX Party Line" cd. in 6 wks. (Lobdell). 15300 f/d "Stereo Control" cd. in 6 wks. (Lobdell). 11915 "Clown" cd. in 38 ds. for ms. (Byron). 15115 "Generators" cd. & calendar in 4 mo. (Blossom). 9560 and 11915 f/d "Clown" cd. in 24 ds. w/ ANDEX info. (Baum). 11915 and 9560 same in 28 ds. for 1 IRC. (Padgett). same for 9560 in 35 ds w/ poster. (McDonald). 11915 f/d "Nerve Center" cd. in 20 ds. (McKinney). 11915 "Mt. Cotopaxi" cd. in 20 ds. (McKinney). HD210A 7600 EG rpt received from Fernando Alfaro E., Capitan de Fragata EM. Director Del Instituto Oceanografico. Total 41 ds. Addr: P. O. Box 5940, Guayaquil. (Golkin)... Nice tip... Thank you... Sam.

EGYPT: Radio Cairo 9805 cd. in 180 ds. (Byron). 9475 f/d scenic cd. in 82 ds. for 3 IRC's. (Zajda). "Sculpture" cd. in 4½ mo. for 1 IRC. (Dawson)... This station is a bit curious. Recently sent them over 40 monitoring reports in one envelope. Nary a reply... Sam.

EUROPEAN RUSSIA: Radio Station Peace and Progress 11835 and 11960 cd. w/ no freq. in 24 ds. (Golkin). 11840 cd. in 24 ds. (Clark). Radio Moscow via Ryazan on 5980 and via Moscow on 5970, 6010, 7280 and on 7360. "Forest Scene" cards in 1 mo. for the GB & I Service. (Barto). via Moscow on 7200 w/ "Birch Trees" cd. in 24 ds. (Fraser).

FEDERAL REP. OF GERMANY: Sudwestfunk 7265 cd. in 2 mo. (Sarrazin). Marlin Field reports that he sent a letter to Deutschlandfunk requesting a program schedule and a station pennant. He received the schedule, 3 QSL cards (not filled in) and 2 pennants.

FINLAND: Radio Finland 15105 f/d "Seasons" cd. in 23 ds. for 2 IRC's. (Burke).

FRANCE: RFI 15210 f/d "Church" cd. in 1½ mo. Pennant also received. (Leithner). 15200 and 11930 "Couleurs et Lumiere de France" cd. in 47 ds. for 2 IRC's. (Burke).

FRENCH GUIANA: FR3 3385 cd. w/ logo in 27 ds. and 3 FR3 stickers (Taylor). same in 35 ds. for one IRC. (Blossom).

GALAPAGOS: La Voz de Galapagos 4810

f/d form cd. in 1 mo. for a SP rpt. (Sarrazin). same in 2 mo. after 6 tries. SASE was not used. (Field). "Animals" cd. in 18 wks. for SP rpt. (Cannon). same cd. in 43 ds. for an EG/SP rpt. and 1 IRC. (McCarthy).

GAMBIA: Radio Gambia

4820 ltr. in 550 ds. for 3 IRC's. (Gavaras) ... Whats that old saying Greg? Its something about waiting... Sam.



SUPPORT
YOUR CLUB
NASWA

GEORGIAN SSR: Radio Moscow via Tbilisi on 17805 f/d cd. in 6 wks. for EG transmission on the African Service.(Cannon).

GERMAN DEMOCRATIC REP: RBI 17880 f/d "Altes Museum" cd. in 56 ds.(Burns).9730 f/d "Berlin" cd. in 52 ds. w/ magazine and decal(Berezowski)."Horse and Rider" cd. for 9730 in 54 ds. (Clark). 21540 f/d cd. & RBI poster and 3 first day stamp covers in 41 ds.(Salay).

GHANA: GBC 3366 Accra "GBC Logo" cd. in 6 wks w/ schedule (Cannon).

GREAT BRITAIN: BBC 5975 "Tower" cd. in 46 ds. w/ sked.(Burke). VOA Woofferton 6040 f/d "Statue of Liberty, San Francisco and White House" cds. in 45 ds.(Sillings).

GREECE: VOA Kavala 9770 f/d "Capitol" cd. in 13 ds.(Golkin). 5995 f/d "Kennedy Center" cd. in 11 ds.(Burke).7270 "Split Pictures" cd. in 9 ds.(Baum). Voice of Greece 9530 f/d white cd. in 3 wks. for 1 IRC.(Salay). 11925 f/d cd. in 24 ds.v/s G. Stylianeas.(Lisler). 9760 f/d cd. in 22 ds. for an EG report.(Clark).

GREENLAND: Gronlands Radio 9575 "UHF Repeater" cd. in 1 mo.v/s Bennel Hanson.(Sarrazin).

GREENADA: Radio Grenada 15105 Morne Rouge, f/d tan cd. in 33 ds. for 1 IRC.(Hoffman).same in 31 ds. for 2 IRC's.(McDonald). same w/ sked in 45 ds.(Ponder).in 2 mo. (Sarrazin). f/d cd. w/ sked in 70 ds. (Onken). same in 85 ds. for ms.(Taylor). same in 33 ds. for ms. which were not used.(name). as above in 33 ds.(Bohlke).

GUAM: KTRW Trans World Radio 15175 f/d green and blue cd. in 15 ds. for ms.(Gavaras).same in 34 ds. for a .13¢ stamp. v/s Linda Horton.(Howard). three cds. received for 9640, 15115 and 11730 in 2 mo. w/ sked. (Verneti)...Thanks for the postcard Rita...Sam.

GUATEMALA: Radio Cultural 3300 f/d "Quetzal" cd. w/ sked in 70 ds. (Salay).

GUINEA-BISSAU: Radiodifusao Nacional 5041 green cd. in 5 mo. for a PT rpt. and 1 IRC. v/s Tiburcio Ribeiro da Moura. US stamps also sent w/ my rpt.(Cannon).same in 23 mo. for a PT rpt. and 2 IRC's. QSL was postmarked 6/5/76. Presumably in the mail for 21 mo?(Overcamp). same in 2½ mo. for used stamps and 1 IRC.(Sarrazin). 4780 f/d cd. in 2 mo. for a PT rpt. (Barto).

HAWAII: WWVH 5000 f/d "Aloha" cd. in 10 ds. (Burke).

HOLLAND: FRBC 6214.5 cd. in 5 wks.(Barto).

HONDURAS: Radio San Isidro 4845 ltr. in 1 mo. v/s Lamberto Picado, Gerente. SASE was not used(Field).

HUNGARY: Radio Budapest 15160 orange cd. in 1 mo.(Barto).6000 f/d cd. in 57 ds.(Clark). 6080 f/d cd., pennant and lte. containing xmtr sites in 31 ds. Sites: Jaszbereny w/ 2-250 KW xmtrs;Diosd w/ 2-100 KW xmtrs; & Szekesfehervar w/ 3-15 KW xmtrs.(Byron).

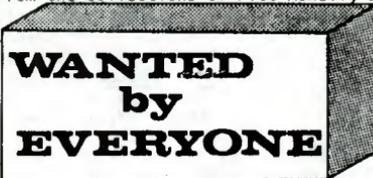
ICELAND: Gufunes Radio 12175 "Scenes" cd. in 36 ds. (Taylor).

INDIA: AIR Gauhati 4775 f/d registered ltr. in 76 ds.v/s R. Lakshminarayana Rao, Asst. Station Manager (Kusalik)...Very Nice AIR 9525 "Temple" cd. in only 2 years and after many f/ups. (Sarrazin).9525 "Rock Memorial" cd. in 33 ds. for 2 IRC's.(Burke).AIR Aligarh 9525 f/d "Kolhai Peak" cd. in 13 mo. for 1 IRC. This is my 30th Commonwealth country QSL-ed. (Overcamp).

NOTE

NOTE

From the collections of Pitt McNeil, Dan Robinson and Ye Editor.



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EVERYONE**

6000 WATTS
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Freedom

THE FREE RADIO
BROADCASTING
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QSL

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GMT

**PO BOX 41 DEDEMSVAART
HOLLAND**

THE VOICE OF FREEDOM

FOR YOU

NASWA
UNITY AND FRIENDSHIP

JAPAN: JJJ 5000 f/d cd. in 4 mo. for 1 IRC. (Lister). Radio Japan 15270 f/d "Straw Horse" cd. in 1 mo. w/ sked and magazine (Lobdell). same in 11 ds. for 1 IRC. (McDonald). same w/ "Pagoda" cd. in 3 wks. (Leithner). 15105 "Pagoda" cd. in 27 ds. (McDonald). 5990 "Straw Horse" cd. in 3 wks. w/ sked. (Burns). same in 16 ds. (Blossom). NSB 3925 f/d "Color Antenna" cd. in 18 wks. (Howard).

JAVA: Voice of Indonesia 11790 brown cd. in 240 ds. for EG rpt. & 4 IRC's. (Gavaras). same in 6 mo. for ms. (Howard). same cd. in 21 mo. for ms. (Overcamp). same in 197 ds. after second try for 2 IRC's (Glazzy).

JORDAN: Hashemite Broadcasting Service 9560 f/d "Palestine Archaeological Museum" cd. in 32 ds. (Onken). same cd. for 9530 in 19 ds. (Weinhold).

KOREA REP: Radio Korea 9720 cd. in 3 mo. for 1 IRC. (name). 11860 "1977 Commemorative Stamp" cd. in 71 ds. w/ pennant. **KUWAIT:** Radio Kuwait 12085 f/d cd. and sked in 54 (Hoffman). ds. for 1 IRC. (Salay). same in 46 ds. (Clark).

LATVIAN SSR: Radio Riga 5935 f/d cd. in 125 ds. for 2 postcards. Also received a pennant. v/s L. Brjantseva. (McCarthy).

LITHUANIAN SSR: Radio Vilnius 15100 f/d cd. in 2 mo. (Berezowski). 9720 f/d "Castle" cd. in 173 ds. v/s A. Sinkevicius (Desrosiers). "Tree Bird" cd. in 208 ds. (Onken). same in 6 mo. for 3 IRC's. (Reynolds). 11770 same cd. in 221 ds. (Weber). 15180 f/d cd. in 13 wks. (Glazzy). same in 3½ mo. for 1 IRC. (name). 7150 f/d "Bird in Tree" cd. in 96 ds. (Pappas).

LUXEMBOURG: Radio Luxembourg 6090 "Coat of Arms" cd. in 39 ds. for ms. (Glazzy). f/d cd. in 16 ds. for 2 IRC's. (Weber). same in 31 ds. for 1 IRC. (Westling). same in 33 ds. for 1 IRC. (Bohlke).

MALAGASY REP: Radio Nederlands 15220 "DX Producers" cd. in 15 ds. (Noonan). 11730 "Transmitter" cd. in 1½ mo. (Verneti). "Special EDXC" cd. in 27 ds. (Burke). "Staff" cd. in 12 ds. (Salay). 15385 "Staff" cd. in 65 ds. w/ sked (Tiers). "Antenna" cd. in 28 ds. for 1 IRC. (Desrosiers).

MALAYSIA: Radio Malaysia 7295 Penang f/d folder cd. in 15 wks. for 1 IRC. v/s Teoh Cheow Soo. (Howard). same for 4985 in 45 ds. for EG report and 3 IRC's. (Poppin). (Hermann). **MALTA:** IBRA Radio 5990 f/d "Island" cd. in 67 ds. for 3 IRC's. **MAURITANIA:** Radio Mauritanie 4845 "African Map" cd. in 98 ds.

for 2 IRC's, used stamps and a G1fer form. (Meehan).

MEXICO: Radio Huayacocotla 2390 green and white cd. w/ a very friendly note in 1 mo. for a SP rpt. and ms. v/s Jorge V. Villalobos. Coordinador. (Lazarus). same in 1 mo. for a SP rpt. and ms. (Bishop).

MONACO: Trans World Radio 9610 f/d cd. in 3 mo. w/ sked. (Lobdell). 7105 f/d blue and white map cd. in 77 ds. for 3 IRC's. Pennant also received. (Zajda). same w/ sked in 95 ds. (Onken). same in 4 mo. (Sillings). same in 1 mo. for 1 IRC. (Burns).

MOZAMBIQUE: Radio Mozambique 4865 f/d "World Map" cd. in 42 ds. for 1 IRC. (Word).

NETHERLANDS: Radio Netherlands f/d cd. in 3 mo. for 1 IRC. (Poole). See also HOLLAND.

NEW BRITAIN: Radio East New Britain 3385 f/d cd. in 8 mo. (Bishop).

NEW CALEDONIA: Radio Noumea FR3 7170 blue and orange "Map" cd. in 40 ds. for an EG/FR rpt. and 3 IRC's. (Gavaras).

11710 same cd. in 3 wks. for EG rpt. & 1 IRC. (Cannon).

NEWFOUNDLAND: CKZN 6160 card in 20 ds. v/s E. Lacey. (Taylor). blue CBC cd. in 42 ds. v/s F. Holm. (Phillips).

NEW ZEALAND: Radio New Zealand 11780 f/d cd. in 26 ds. direct and via the NZ consulate in NY. They require 2 IRC's. (Byron). 11820 f/d cd. and pennant in 1 mo. for 2 IRC's. (Sillings). same w/ sked and personal ltr. in 25 ds. from R. Geoffrey Haggett, Program Manager. All for 2 IRC's. (Blossom).

FOR NATIONAL BROADCASTING COMMISSION



LA VOZ DE -LOS LABORATORIOS FUENTES-
Cartagena, Colombia. S. A. - P. O. Box 31
ONDA: 49.05 Mts. 6115 Klc.

H J I A B E

PARA LAS ENFERMEDADES DEL PECHO TOME
"JARABE ANTI-TISICO"

NIGER: Radio Niger 5020 after 6 tries I sent a FR rpt. to Niamey and a copy to the Niger Embassy in Washington explaining the hobby and mentioning that DX reports were not being answered. QSL arrived in 1 mo. Love it. (Hoogerheide)... So do I. I'm still waiting. Sam.

NIGERIA: Voice of Nigeria 7275 and 4990 IRC was returned. (Verneti). VON 7257(75?) Ikorodu f/d "Flag" cd. in 7 mo. for 2 IRC's. (Westling). 7275 f/d cd. in 6½ mo. w/ sked. (Howard). same f/d cd. in 119 ds. for 1 IRC. (Burns). 15120 Ikorodu "Flag" cd. in 41 ds. (Pappas). 4990 Sogunle f/d ltr. in 166 ds. (Weber). North Central State Radio 3396 Kaduna ltr. in 2½ mo. (Barto). same in 18 wks. w/ sked. (Cannon). same in 6 wks. (Bishop). same in 2 mo. but ltr. was posted from Lagos w/ Kaduna site on it. (Hoogerheide).

NORWAY: Radio Norway 21730 "Waterfall" cd. in 2 mo. (Noonan).

PAPUA NEW GUINEA: Radio Madang 3260 f/d folder in 32 ds. via registered mail. v/s L. V. Sambure, Station Manager. (Kusalik). same in 4 mo. for 1 IRC (Cannon). Radio Central District 3290 f/d yellow "Map" cd. in 28 ds. for 1 IRC. Station also sent a "Kundu Gadona" bumper sticker. (Hoffman). same w/ sticker and pennant in 2 mo. (Barto). NBC 4890 Port Moresby f/d "Map" cd. in 24 ds. for 2 IRC's. (Burke). same w/ pennant and sticker in 18 ds. for 2 IRC's. v/s Jack M. Arif-eae, DX Office. (Field). same w/ sticker in 18 ds. for 3 IRCs (Hartsell). same w/ sked and sticker in 61 ds. (Tiers). card in 23 ds. for ms. (Taylor). Radio East Sepik 3335 f/d ltr. in 56 ds. for ms. v/s Philip Koviromo, Station Manager. (Kusalik).

PERU: Radio Ondas del Huallaga 3330 ltr. in 48 ds. for a SP rpt. and one IRC. v/s Flaviano Llanos M., Legal Representative. (Hoffman).

PHILIPPINES: Radio Veritas Asia 11955 f/d "Jeepneys" cd. in 3 wks. for 2 IRC's. v/s Larissa V. Paner. (Lobdell). same w/ "Cultural Center" cd. in 1 mo. for 2 IRC's. (Agner). "Bull Cart" cd. in 26 ds. for 1 IRC. Also received a pennant and sked. (Dawson). FEBC DZHB 11765 f/d "Native Hut" cd. in 124 ds. for 1 IRC and used stamps. v/s Geny Visca, QSL Secretary. (Weber). 17810 f/d "Map" cd. in 88 ds. for 2 IRC's. This was my 8th. try. (Onken). VOA Poro-Tinang 11760 "Three Photos" cd. in 45 ds. (Burns).

POLAND: Polish Radio 15120 f/d "Coat of Arms" cd. in 138 ds. (Salay). 11815 same cd. in 70 ds. from Lech Stanislawski stating that they would play some selections for Bill Oliver. (Poppin)... I renounce any knowledge of this Bill. Hi... Sam.

PORTUGAL: Radio Portugal 6025 f/d "Harbor" cd. in 1 mo. (Leithner). f/d "Beach Scene" cd. in 20 ds. (Sarrazin). same in 35 ds. for PT rpt. and 1 IRC. (Padgett). Radio Trans Europa/IBRA 9670 Sines f/d "Blocks" cd. in 21 ds. for 1 IRC. (Desrosiers). Adventist World Radio via RTE Sines on 9670 special cd. in 22 ds. for 1 IRC. (Desrosiers). IBRA Radio via RTE Sines on 9670 f/d cd. in 23 ds. w/ pennant and sked. (Desrosiers).

RHODESIA: Rhodesia Broadcasting Corp. 3396 f/d "Map" cd. in 36 ds. for 1 IRC. which was returned. v/s B. O'Brien. (Word). same in 34 ds. (Salay). same in 1 mo. (Sarrazin). 3306 cd. in 40 ds. VIC #135 (Howard)... Great.

ROMANIA: Radio Bucharest 9570 f/d "Otopeni International Airport" cd. in 5 mo. (McKinney).

RWANDA: Deutsche Welle 15410 Kigali cd. in 15 wks. (Glazzy).

SARAWAK: Radio Malaysia 5005 Sibn f/d "Broadcasting House" cd. in 3½ wk for ms. (Bishop). RMS 3385 Miri f/d cd. in 3 wks. for 3 IRC's. (Poppin) RMS 4895 Kuching f/d cd. in 30 ds. for 3 IRC's. (Gavaras).

SAUDI ARABIA: BSKSA 11855 Riyadh f/d cd. in 54 ds. via registered mail w/ postcards and sked. (Taylor). 6080 f/d cd. and sked in 4 mo. via registered mail. (Bishop).

Radio Bremen



NICE CATCHES

ITALO RADIO SOCIETA' ITALIANA PER I SERVIZI RADIOELETRICI ROMA		Rome DECEM. 20/85 ADDRESS VIA CALABRIA 64-66 Reply to your letter at OCTOBER/81	
RADIOGRAMS TO ALL THE WORLD		<h1>IRM</h1>	
RADIO TELEPHONE SERVICE WITH SOUTH AMERICA JAPAN - EGYPT PALESTINE - SYRIE			
mt. 30,52		kc. 9830	
Date of emission		Time	
Broadcast directed to		Program	
OTHERS OUR STATION RADIO TELEPHONE SERVICE		IRB HTS 20.37 Kc. 14/30 IRY 18.50 16/17 IRW 18.37 19/20	

SENEGAL: Radio Senegal 4890 f/d "Instrument" cd. in 105 ds. for 2 IRC's.(George).
SEYCHELLES: FEBA 11800 yellow, black and white cd. in 1 mo. for 1 IRC.(Burns).same in 24 ds. for 2 IRC's.(Salay). Chief reporters received a letter from the station stating that QSL cards are only issued to listeners in the target areas...Sam.
SIERRA LEONE: SLBS 3316 f/d ltr. in 3 mo. v/s B.D.H. Taylor, Chief Engineer.(Sarrazin).
SINGAPORE: Radio Singapore 11940 f/d "Singapore by Night" cd. in 1 mo. for 1 IRC.
SOUTH AFRICA: ZUO 5000 f/d ltr. in (Cannon). 42 ds. for 1 IRC. v/s R. Lake.(name).

YV2RC - 5800 KC.

WELCOME
to the ranks of our listeners.

Your reception report dated
October 16th 1955
is covered.

YV2RC relays YVIRC's program, and has been reported from every country in the world.

Best wishes from Caracas, the city of perpetual spring

Jose Rangel
DIRECTOR

Springbok Radio 4810 f/d "Industries" cd. in 35 ds. for 1 IRC.(Howard). Radio RSA 9585 "Sunset" cd. in 30 ds. w/ sked.(McDonald). "Zebra" cd. in 23 ds.w/ desk calendar.(Poppin) 9585 and 5980 "Sunset" cd. and pennant in 6 mo.(Sillings).11900 "Zebra" cd. in 3 wks. (Leithner).15155 and 21535 "Giraffe" cds. in 19 and in 15 ds.(Noonan).SABC 4835 f/d cd. in 24 ds. w/ sked.(Tiers).4810 cd.& pennant in 35 ds. for 1 IRC.(Clark).4835 f/d cd. in 30 ds. for 1 IRC.(Westling). Radio Five 3320 f/d SABC cd. in 1 mo.(Kusalik). "Industries" cd. in 6 wks. for 2 IRC's.(Howard).same in 37 ds.(Salay).3388 same cd. in 6 wks.(Field).same in 34 ds.(Poppin).

SPAIN: RTVE 6065 ltr. in 34 ds. w/ sked(McDonald). Radio Exterior de Espana 11880 f/d ltr. in 1 mo.(Byron).same in 35 ds. for 1 IRC.(Onken).in 33 ds.and a note saying that they are preparing a new pennant. (Berezowski).same in 27 ds. giving the Arganda site.(Ponder).

SUMATRA: RRI Palembang 4855 f/d "House Scene" cd. in 111 ds. for 3 IRC's.(Poppin).

SWAZILAND: Trans World Radio 4790 f/d "Warrior" cd. in 30 ds. for 1 IRC. v/s J. Fogo.(Calderwood).17745 same cd. in 3 wks. v/s J. Olson.(Barto).same in 1 mo. for 2 IRC's. (Lobdell).same in 27 ds. for 3 IRC's.(name) 5055 same cd. in 30 ds. for 2 IRC's.(Westling). Radio SR 4980 same cd. in 27 ds. for EG report. v/s Bill Gookson, Chief Engineer.(Taylor).

SWEDEN: Radio Sweden 11705 Karlsborg "Map" cd. in 35 ds. for 1 IRC. v/s Anette Beijer.

SWITZERLAND: SBC f/d "Building" cd. for 15305 and 15350 and for USB on 15307 and on 15352. cd. in 5 wks. w/ stickers.(Barto).9560 in 2 mo.(Verneti).9725 via Schwarzenburg in 69 ds.(Burke).6135 w/ "Building" cd. in 27 ds. (McDonald). ICRC Radio 7210 "Globe" cd. in 29 ds. for 1 IRC. Also received a program schedule.(Blossom).

TAIWAN: Voice of Free China 15425 "Crape Myrtle" cd. in 54 ds. (Taylor). same cd. for 15225 in 48 ds. Also rcvd blue stickers.(Baum) 15425 "Pomegranates" cd. in 51 ds. w/ a pennant and station stickers. (Hoffman). "Snow Geese" cd, sked & booklet in 68 ds. for 1 IRC.(Burns).
THAILAND: Radio Thailand 9655 f/d "Floating Market" cd. in 220 ds. for 3 IRC's.(Poppin).
TOGO: Radio Togo 5047 "Map" cd. in 35 ds. (Salay).same in 25 ds.(Taylor).

VEREENIGING VAN RADIO - AMATEURS
VOOR BANDOENG EN OMTREKEN.
P. M.Y. Bandoeng, Nillmy-Building.
JAVA, NETHERLANDS INDIES.

W e received your useful report on our transmission and thank you very much for it. It checks correctly with the stationlog.

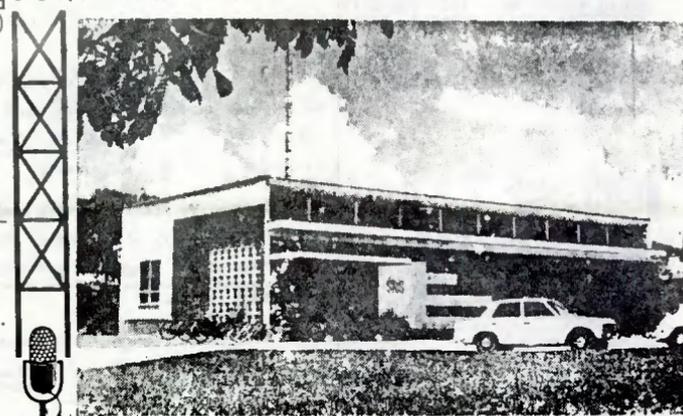
The transmitting-station you heard is located at Bandoeng, Java, in a building, situated in the centre of that city, one of the capitals of the Netherlands Indies.

Our wavelength is 58 meters, power 0.61W. Coll.signal: PMY.

The Hon. Secretary.

RADIO SRS SOUTH AMERICA

SURINAM BROADCASTING FOUNDATION



SUPPORT NASWA

TUNISIA: RTVT 15225 f/d "Korbus" cd. in 23 ds.
(Howard).same w/ "Djerbe Mosque" cd. in 45
ds.(Blossom).7275 via Sfax w/ "Hotel el Hana"
cd. in 25 ds. for 1 IRC.(Onken).

TURKEY: Voice of Turkey 7170 f/d cd. in 19 ds.
for 1 IRC. Also rcvd. pennant, stamps(Zajda).
9515 "Sultanahmet Mosque" cd. in 38 ds. for 1
IRC. w/ pennant(McDonald).11880 same cd. in 9
mo.(Popin).7175 f/d "Tapestry" cd. in 2 mo.
Also rcvd. pennant and sked.(Sillings).

UGANDA: UBC ltr. in 5 mo.(Leffler).

UKRAINE: Radio Kiev 7215 "Monument" cd. in 6 wks.
(Leithner)."Bogdan Square" cd. in 47 ds. w/
sked.(Fraser).7400 f/d cd. in 45 ds. w/ sked.
(Blossom).f/d cd. and sked in 31 ds.(Clark).
7150 "Lesya Square" cd. in 53 ds. for 2 IRC's
(Burke)."Lybid Hotel" cd. in 77 ds.(Fraser).
cd. & sked in 2 mo. for 3 IRC's.(Reynolds).
7360 "Maryinsky Palace" cd. in 2 mo.(Barto).
11880 Radio Moscow via Ivano-Frankovsk in 6
wks.(Cannon).via Kiev on 6020 and via Vinnitsa
on 6175 w/ "Forest Scene" cd. in 1 mo.(Barto).

USA: WWV 15000 f/d "Indian" card in 71 ds. (Salay).
VOA Dixon 21610 f/d "Capitol" cd. in 13 ds.
(Golkin). VOA 9640 card in 2 mo.(Reynolds).
21485 f/d "Stamp" cd. in 15 ds.(Clark). WINB
15340 cd. in 21 ds. w/ sked.(Noonan). WYFR
15130 cd. in 16 ds.(Noonan).same in 1 mo. for
1 IRC.(Hermann). 11780 f/d blue and white cd.
in 12 ds.(Kusalik).VOA Bethany 21485 f/d cd.
in 35 ds.(Sillings).17710 f/d "Stamp" cd. in
11 ds.(Burke).UN Radio 15410 f/d cd. in 123
ds.(Salay).15270 in 145 ds.(Weber).

USSR: Radio Station Peace and Progress 41mb. f/d
"Emblem" cd. in 1½ mo.(Leithner). 11720 cd.
in 27 ds. (name).15295 "Flower" cd. in 1½ mo. w/ sked. (Barto).11770 f/d ltr. in 46 ds.
for 1 IRC.(Padgett).Radio Moscow 7210 cd. in 42 ds.(Baum).7110 "University" cd. in 2
mo. w/ pennant.(Leithner)...Is this the small red one or has Moscow changed their pennant?
...Sam.17720 "Anniversary" cd. in 1 mo.(Leithner).

UZBEK: Radio Tashkent 6025 f/d "Statue & Sun" cd. in 31 ds.(Golkin).f/d cd. in 36 ds. w/
sked.(Berezowski).same in 6 wks.(Sarrazin).same in 31 ds. w/ sked.(Desrosiers).

VATICAN: Radio Vatican 17825 "Transmitter" cd. in 25 ds.(Weinhold).5995 "Control Room" cd.
in 30 ds. for 1 IRC.(Blossom).9605 f/d cd. in 29 ds.(McCullough).f/d cd. in 47 ds.(Ber-
ezowski).same in 2 wks. w/ stickers(Lister).5995 cd. in 46 ds.(McDonald).

VENEZUELA: Radio Universo 4880 card in 36 ds. for a SP rpt. and ms.(Poole).same in 18 ds.
for SP rpt. and ms.(Hoffman). Radio Juventud 4900 f/d "Dancers" cd. in 3 mo.(Sillings).
Radio Lara 4800 cd. in 23 ds. for a SP rpt. and ms.(Hoffman).Radio Occidente 3225 no
data, yellow folder cd. in 26
ds. for a SP rpt. and ms. v/s
Aser Ausia, Director.(Hoffman).
Radio Rumbos 4970 f/d "Night in
in Caracas" cd. in 108 ds. for
1 IRC.(Byron).Ecos del Torbes
YVSP 6190 ltr. in 2 mo. for a
SP rpt. v/s G. Gonzalez Lovers,
Director. (Barto).



RADIO CENTER SOLIANKA 12 MOSCOW, USSR

Dear Listener:

We thank you for your report of *3.0-11.33*

We are glad to verify that you heard our broadcast on
3.0-11.33 . . . at *4:30 A.M.* o'clock, on a wave-
length of . . . *50* . . . meters.

We shall always be glad to hear from you
and to have reports of reception. We shall also welcome
criticisms of our programmes and suggestions for improve-
ment in the future.

Yours truly,

Inna Marr
Chief Editor



WVAJ 9.510 KCS.
BANDA INTERNACIONAL 15 KW.

VENEZUELA: Radio Nacional 15400 "Augustin Codazzi Park" cd. in 138 ds. for an EG rpt. and ms. v/s Charlie Nash(Glizzy). "Parrot" cd. in 76 ds.(Salay).
 VIETNAM: Voice of Vietnam 12035 form w/ official stamp in 6 mo. for EG rpt. and 3 IRC's.(name).10040 f/d certificate, pennant, sked and magazines in 19 ds.(Poppin).
 WEST IRIAN: RRI Sorong 4875 f/d cd. in 5 mo. for an IN rpt. and 3 IRC's.(Poppin). 3365 f/d cd. in 3 wks. for IN/EG rpt. and 3 IRC's. v/s Soedarsono, Chief Technician. This was the first reception report received by this station for their new frequency of 3365 kHz.(Young)...Great...Sam.
 YEMEN ARAB REP: Radio Sana'a 9780 f/d ltr. in 6 mo.VIC # 170.(Kusalik)...Nice Catch..Sam.
 YUGOSLAVIA: Radio Beograd 9620 f/d folder cd. in 98 ds.(name).same in 57 ds. for used stamps and some local postcards.(McCarthy).9620 finally after my 4th try in 3 years.(Phillips). cd. in 2 mo. for a report sent via the Yugoslav embassy in Washington DC(Bishop).

VERY NICE

Thats it for another month gang. Please do me and yourself a favor...put your name after each QSL when submitting them to me. I receive maybe 50 or so letters a week and sometimes I do not have all the time I would like to check each report. Also I have plenty of report forms on hand for a .13 or .24¢ SASE. Send them to me not to your bulletin editor.

HELP: Robert Viau needs the address for Radio Atlantica and Radio Rodina. His address: 3376 Didier, Fabreville, Laval, P.Q., Quebec, H7P 3K3 Canada.

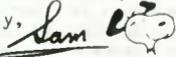
Bill Phillips states that after talking with several other DXers he notes that mail going to Yugoslavia with "Flag Stamps" on the envelope have a tendency to get lost in the mails. Has anyone else found this to be the case?.....Sam.

Again I would like to thank Mr. John Tuchscherer for his contributions to the column. I'm sure that all of our readers enjoyed looking at some of the older verifications.

I would like to thank everyone who has expressed their appreciation for the new format of the QSL Column. Keep your reports coming in and I'll try to make each column better than the preceding one.....Sam.

The response to the "VERIFICATION TECHNIQUES" article has been tremendous. I still have several dozen copies on hand. I guess I'll have to get more printed. There were one or two pages that were printed a little light. If you have any trouble reading the publication please let me know. Thank you for the very kind comments on the publication. Again, copies are available for \$2.50 from your QSL editor.

Next month we have another special surprise for our readers. Besides the regular stickers, decals, QSLs, etc...we will feature a collection of European pirate stickers and decals.

Sincerely, *Sam*  HAPPINESS IS

reading and seeing your QSL's.



Radio GUATAPURÍ
 L140 KC. ONDA LARGA
 4915 ONDA CORTA
 5 Mc
 60M
 LA PRIMERA EMISORA DEL CESAR
 10 KW.

OSLO 16/2 19 73

DEAR LISTENER,
 WE THANK YOU FOR YOUR REPORT AND ARE PLEASED TO CONFIRM THAT YOU HAVE HEARD


NORSK RIKSKRINGKASTING

RADIO NORWAY
 ON 6185 KHZ 48.50 MI 100 KW
 CALL LETTERS LLI ON 7/1 19 73

0154 GMT SINCERELY YOURS
J. Daly
 SHORT WAVE DIVISION

17

update

April 1978 Number 16

Tom Alleman
615 W. 43rd Terr., Apt. 6
Kansas City, MO 64111
(816) 931-5943 0030-0430 GMT

UPCOMING DEADLINES: 12 April (Mid-April); 24 April (May); 12 May (Mid-May)

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ADMIRALTY IS. R. Manus, 3905, noted 12 March at 1203+ w/ good sigs amid ARO's. M w/ talk in Pidgin then local stuff. (Bill Whitacre, MICH) *** Welcome aboard, Bill. tba

ANGOLA R. Nac. (former Ecclesia), 3354.5, heard on 12 March w/ fair sig // 3375 from 2340-2358*. "Killing Me Softly," M in PT and instrumental to 2345 ID. More mx to 2356 s/off annmcs by M in PT, NA and off. (Whitacre, MI) +++ Em Reg. da Cabinda, 5032.5, *0525 w/ strange drum IS, 0527 NA, then M in PT w/ full ID including 2 MW freqs and SW, then into local songs. Best ever. (Pitt McNeil, DC) +++ UnID Angolan, 4941+, *0456 w/ OC, IS similar to R. Nacional, NA w/ short PT talk in the middle, and ID: "Emissora _____." Beware R. San Juan de Tarma, 4942+ per ID by Dan Robinson at same time. (McNeil, DC)

ANARCTICA APAN, 6012, TENTATIVELY noted 1115 on 12 March w/ poor sigs; traces of rock mx and usual flutter. Big het w/ VOA 6010 and weak carrier heard here for past week; they're back and sig is improving as we head for equinox, just as it's supposed to. (Whitacre, MI)

BOLIVIA R. Emis. Bolivia, 4755.5, 1015-1038 w/ beautiful huaynos, lots of talks in SP and Quechua, ads in SP only. TCs for GMT-4, one segment on "nuestra Patria," and mention of Oruro, but no definite ID. Also no Colombia. (McNeil, DC; 3-13) +++La Cruz del Sur, 4875, *0930 w/ church bells, SP M w/ full MW/SW/FM freqs, other info and phone number! (McNeil, DC)

BRAZIL R. Pionera de Teresina, 5015, in PT 0735-0755 w/ contemporary vocals, recorded ID 0750. Good level. (Terry Krueger, FLA)

BRUNEI RTVB, 7215, noted 1228 12 March w/ fair sig amid Hams. Lang was CH, w/ fine local px until some joker turned up for his weekly sked. (Whitacre, MI)

BULGARIA Sofia back on 9705 to Nam at 0000 in EG, replacing 6070. Poor sigs. (Bob Zilmer, WI)

CAMEROUN Yaounde, 4850, in FR 0700-0715 w/ M & W anners, FR ID. Operating // to unusual 5105, both freqs at same good level. Am virtually certain 5105 is not due to rx malfunction. (Stu Klein, FLA) *** Can anyone help w/ the 5105??? tba

CANADA CKZN, 6160, in EG 1006 w/ ux, sports, weather; pushing through the Colombian. (Jack Jones, MISS; 3-10) +++ CBC Domestic Ser, 5960, 6175, 9510, and 11720, all at 2300 8 March w/ "World at 6" px. 6175 and 9510 sked for BBC at this time, but they weren't switched over. Error corrected next evening. (Zilmer, WI)

CHILE VoC now using 9560, down from 9566, in // 15130. Usual px, but HCJB s/on causes bad QRM problems for both. (Zilmer, WI) +++ VoC, 11705, w/ b'cast of harp mx 0320. (Ruth Vollrath, MO)

COLOMBIA Two reports on the new (???) Colombian on 4875: R. Norte, 4875, in SP 0342 w/ ID LA pops and vocals. Very good. (Jones, MISS; 3-14) +++ R. Super de Medellin, 4875, Super net px, and Super IDs; local IDs 0230, 0500 w/ call as HJNX and giving MW freqs only. Great sigs. (Aaron Hywarren, UMDXSWLC) *** Also noted every night here. According to Feb. LN, Super de Medellin has burned. If so, is someone else relaying them??? What gives??? tba*** Em. Meridiano 70, 4925, in SP 1101 w/ ID, talk and mx. (Jones, MISS; 3-11) +++ Ondas del Ortegaza, 4971, in SP 1035, w/ ID, TCs, ads and mx. (Jones, MISS; 3-8) +++ R. Melodia, 6140 in SP 0942 w/ Ranchera mx and many IDs. Back after a couple weeks absence. (Jones, MISS; 3-8)

COOK IS. R. Cook Is. TENTATIVELY noted on 5045 16 March; from 0701 EG and Lang talks by M, only short intervals of mx. At 0732, more talk, then a short cut of island mx to 0750 when it was wiped out by Brazil OC. At 0700, freq was 5044.7 drifting up to 5045.0 by 0740. Dan Henderson got ID on this at 0430 same night, so am 99+% sure it's them. Poor/fair sigs and outstanding condx. (McNeil, DC)+++ Also noted TENTATIVELY here same night at approx 0745. One of those magic moments in DXing! Tnx to Jim Young, Cal., who called me w/ this hot tip. tba

DOMINICAN REP. RTV Dom., 9505, in SP 2239 w/ ID by W, LA pops and vocals. (Jones, MISS; 3-12)

ECUADOR R. Luz y Vida, 4830, in SP 0525 w/ Andean mx, F anncr, ID, and TC 0530. (Hywarren, UMDXSWLC)

EQ. GUINEA R. Ecuatorial, 4926, noted w/ latin (???) mx 0502; ID at 0504, then into more predictable tribal rhythms. (tba)

GERMANY (FED. REP.) DW Afr Ser, 15150 NF, in EG 1944-2000 then directly into FR. Very strong but no site ID at lang change. // to 17780, 11905, but published 9765 not announced or heard. (Bob Batson, MO)

GREECE ERT, 11730, horribly unreliable: off/on/off/on around 0130 14 March, and nothing at that time on 16 March. Pity, as the mx is great! (Theo Donnelly, BC)

INDIA AIR Gauhati, 4775, on 12 March w/ fair sigs 1211-1215*. W vocal over Indian mx w/ drums At 1214, M in Hindi w/ s/off annmcs, NA and off. (Whitacre, MI) INDIA cont'd next page . . .

INDIA (cont'd) AIR, 17705, in presumed Hindi 0350-0405 fade out 10 March and at *0328 11 March w/ ID as India Calling. Listed to EAfr. Poor to fair overall. (Donnelly, BC)

IRAQ Baghdad, 11945, solid S 9 + 10db on 10 March at 0335 during close of AR lang lesson, then regular EG ID and mx. (Donnelly, BC)

IRIAN JAYA RRI Sorong (ID per Bill Sparks), 3364, good sigs at 1130+ 12 March. Beautiful island mx and M in Indo. (Whitacre, MI) +++ RRI, Pak-Pak, 4789.5, at 1157-1220a* 12 March. Heard from tape from another rx; usual song/DJ format to 1200 SCI and Jakarta nx relay, and usually unusual 1220* s/off time!!! (Whitacre, MI)

ISRAEL IBA Home Service on 24 hours in Hebrew during latest terrorist crisis and retaliation. Noted on 12077, 9835, and 15455; 12077, 15455, fair to good, 9835 poor; all on 14 March. Also noted 9350 on 12 March, fair to good. Beautiful mx as well. (Zilmer, WI); IBA HS, 9440, 9815, and 12077.5, in Hebrew 0100-0200 during Lebanese operation beautiful mx; nx 0200. (Donnelly, BC); IBA HS, 15545, 0215-0230 15 March w/ non-stop mx. Hebrew nx 0230. (Guy Dunn, NY) +++ IBA, 25605, in RS 1505-1515 w/ Govorit Jerusalem IDs and very good sigs. (Krueger, FLA)

ITALY RAI suddenly out of doldrums: IT to NAM w/ opera at 2310 9 March. Best on 9575, QRM trouble on 9710 and 11800. Fair on 15345. (Donnelly, BC)

JAPAN NHK-Tokyo, 3607.5, noted 1020 w/ Japanese talks by M & W, occasional bits of oriental mx; poor to fair, but first time heard since last winter. Lists as 900w. (McNeil, DC)

KAZAKH SSR Alma Ata, 5035, in RS-like lang after*1230 11 March. M and W anncrs and organ mx too. (Whitacre, MI); also noted w/ local px 0054-0110; clear "Govorit Alma Ata" ID by M at 0100 then nice folk mx. Strong. (McNeil, DC; 3-9)

KENYA VoK, 4804, in w/ strong sigs on 16 March, a great African night, at 0405 w/ EG nx and an item on Kenyan Airlines. Still there w/ pop mx at 0430 recheck. (McNeil, DC)

LUXEMBOURG RTL consistent in FR at 2200 5-9 March. Gone from 10 March on. (Donnelly, BC)*** Frequency, Theo??? tba

MOLUCCUS Reported Ternate, 3345, tentatively heard 1140 w/ M & W in seeming Indo dialogue but being butchered by strong UTE. (Whitacre, MICH)

NEW HEBRIDES R. Vila, 3945, strong several mornings 0835-0915 w/ SSeas mx and Pidgin to 0846 then into FR and more nice mx. (McNeil, DC)

PAPUA N.G. R. West Highlands, 2450, at 1050-1115 12 March; Pidgin drama by M & W and orch. mx to 1059. ID by M and talk, then usual C & W/Island mx and M DJ to 1115+. Many other 120m PNGs in well this day. (Whitacre, MI) +++ R. S. Highlands, 3275, at 1140 w/ local singing and M anncr. (Whitacre, MI; 3-11)+++ Wewak, 3335, strong 1100-1200 w/ local pops and W anncr in Pidgin. (Whitacre, MI; 3-11)

PAKISTAN RP, 17830, at 0335 9 March w/ subcont. mx. EG ID 0340: "RP b'casting to E and SE Afr." Then 5 minutes of EG nx. Fair to good overall. (Donnelly, BC)

PERU R. America, 3240, w/ SP and EG pops, M DJ, and singing IDs. Good. (Krueger, FL; 3-12)

PORTUGAL RP, 11840, in Esperanto 0120-0130* w/ regular chimes and anthem. 13 March. Also caught s/off at 0130 14 March and non-stop accordion fados 2320-2335 10 March. (Donnelly, BC)

SARAWAK RM-Kuching, 4895, // 5005 Sib, noted on 8 March at 1250 w/ M in verns and on 13 March from 1151-1230 w/ talks by M and 50's US rock. IS on stringed instrument 1159, then ID by W and nx. 1213 piano mx. (Whitacre, MI) +++ RM-Kuching, 4950, w/ fair sigs; stringed IS on hour and EG ID and nx by M then into CH w/ W anncr by 1230. Not // 5030. (Whitacre, MI) +++ RM-Kuching 5030, fair to good at 1230 w/ local px, not // 4950 or 4895. W talking; no sign of China. (Whitacre, MI)

SEYCHELLES FEBA IS momentarily heard through VOA dead air on 9545 at 1530 8 March. (Donnelly, BC)

SUMATRA RRI Bengkulu, 3265, at 1141-1220 11 March w/ local selections, some C & W and M DJ. 1159 SCI, then Jakarta nx. (Whitacre, MI)

TAIWAN BCC, 11745, *0857 w/ IS, ID and into Mandarin. (Klein, FLA)

TIMOR RRI Dili (!!!). 3120, noted 1145-1200+ 12 March w/ "If You're Going To San Francisco" and other U.S. pops, W anncr in Indo, SCI 1159, and Jakarta nx relay 1200. (Whitacre, MI)+++ RRI Kupang, 3550, in Indo 1206 w/ Jakarta nx relay // to other outlets until covered by idiotic OC. (Whitacre, MI; 3-11)

USA (Pirate) VoVoyageur, 5850.5 in EG w/ young M DJs, "Midnight Melodies" px and strong sigs w/ long slow fade after 0500. (Aaron Hyvarren, U. Manitoba DX SWL Club); also noted 12 March *0500. -0530 fade out because of bad modulation. 8 note guitar IS; s/on ID: "VoVoyageur, champion of bootleg b'casting. " Rock mx and installment of Sgt. Preston serial. (Greg Ravenhorst, MINN); also noted here at *0455-0526* 21 March w/ guitar IS, rock mx, frequent IDs mentioning "BBI (Bootleg B'casters Int.) network. Young M anncrs gave site as "one mile north of nowhere." Rather professional sounding, but some silly technical bobbles, too. (tba) *** From Greg comes the following additional info on VoV, via letter addressed to NASWA Dist. Editor: VoV originally planned to use 1610, but w/ other activity there decided to move up. Tc is a Hallicrafters HT-20 w/ 100 w into a half wave dipole. Tc failure kept them off air till 25 December. The UMDXSWLC crew and Greg both state that VoV sigs appear to be sky waves, a view supported by my own fade free reception on 21 March. Postmark on letter is from Michigan. On this basis, I guess that easternmost possible location for VoV is Marquette, Michigan in the Upper Peninsula. UMDXSWLC crew puts QTH somewhat to the west, in N. Dak., Minn., or southern Manitoba. Wherever this is, age and demeanor of anncrs, format, and studio equipment imply most strongly that VoV works out of a college stn. More next time. Out of space. Best to all. 73, Tom

log report *section*



• **Ed. Sec-A: Dan Robinson**

1601 - 4900

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After years of frantic tuning and delicate exalted carrier reception, in the search for Cook Islands, your LR-A editor finally triumphed over the forces of ether and caught Rarotonga this past week along with several other DX'ers. And 5,045 khz. isn't the only place to find excellent DX as this month's 107 reporters show. Angolan stations/regional outlets are on their way back (see Log Report B), and excellent afternoon South Asian conditions have brought in everything from Sibiu, Palembang, and Ujung Pandang to faint whispers from Azad Kashmir Radio. . . The season isn't over yet!!

- 2450 PAPUA NEW GUINEA R Western Highlands: On a fine PNG morning, powerful signal 1050-1115 w/dramatic pgm, M & W in Pidgin, ID/tlk, usual pgm of C&W/Hawaiian mx. All other 120m stns in this day w/2340 and 2428 leading the way, and 2468/2410 following w/the weakest sigs(Whitacre)
- 3265 SUMATRA RRI Bengkulu: From 1141-1220, Fair sigs, local mx/some C&W w/H DJ in IN; 1159 SCI after local ID, then Jakarta mx relay; signal fade/out by 1215 but hrd carrying speech // other outlets (Whitacre)
- 3323 JAVA RRI Jember: M ancr played a number of R&R songs by Indo artist, mx at 1400 w/full ID, ID again at end of rx 1408, march mx, into tlk by M with organ mx. Excellent for listed power of 1 KW (GODFREY 2/17)
- 3345 ANGOLA Em Regional: What was a Huambo frequency is back in the 0450 To 0545 time slot with music, PT tlks, many mentions of Angola and Radio Nacional, and at same level as Luanda 3375--NOTE other Angolans now reactivated on a steady basis: 3354, 4178 (Lobito), 4941 (Malanje), 5033 (Cabinda), 5040.5 (tent Benguela). . .(ROBINSON)

- 1626a USA Pirate WFSR: From 0820-0900* from NYC with call-in show and taped mx; vy weak signal with lots of QRM(Youndt 2/7)
- 2200 NICARAGUA La Lider: 0335 SP, OM w/ID and commercials, armts (Baldwin)
- 2200 CHINA Fuzhou: CH tlk by W at 1451 (Bryan 2/15)
- 2340 CHINA Fuzhou: Also, CH tlk by W at 1454 (Bryan)
- 2390 MEXICO R Huayacocotla: 0100 SP, tlks by men, Mexican mx, IDs(Taylor) 0138 with tlk and mx (Sarrazin 2/8) 0144-0218 w/guitar mx, OMs in tlk, on past usual s/off time (Osterman 2/5) 0159 ID, smooth Mexican mx (Jones)
- 2400aT BRAZIL R Educ Sao Jose: 0904-0909 PT, Fair with Brazilian mx, TCs (McLaughlin)
- 2475 CHINA Hangzhou: 1502 w/YL in CH tlk, mx (Bryan)
- 2490 BRAZIL R Coari: 0150 in PT, mx, M ancr to 0230* (Bishop)
- 2500 JAPAN JJJY: Standard Time Station here w/morse IDs three times, pips out of phase with MWV, just 75 miles away! (Sarrazin)
- 2510 REP KOREA Taegu: 1358 with M in tlk, Poor signal (Bryan 2/28)
- 2820 HARMONIC: George reports Radio Juventud, 1410 Khz x 2 here 0200; and Ecos de las Brumas at 0200 w/ pop and lcl mx (George-TX)
- 3015 N. KOREA Pyongyang: 1405 in JP with M in rx (Bryan)
- 3120 TIMOR RRI Dili: Hrd on 3/12 with fair sigs, weak mod and some UTE; 1145-1200 w/US pop "If You're Goin' to San Francisco" and others, YL ancr in IN, 1159 SCI, and 1200 Jakarta mx relay (Whitacre)
- 3170 CZECHOSLOVAKIA OLB5: Time Signal Station here 0412-0435, CW pulses; thanks to Fomworth tip (Kraeger 2/25) They send a nice QSL card--DR
- 3210 MOZAMBIQUE RM: 0315-0350 PT w/tlk and pops, vocals //4866, faded fast by 0345 on 3210 (Clark) 0344 w/PT lang rock, M ancr (Bryan)
- 3215 SULAWESI RRI Manado: 1508 w/mx, march theme after and into M cmty(Poppin)
- 3225 VENEZUELA R Occidente: 1031 w/ID and "Buenas dias" s/on armts, mx(Jones 2/2)
- 3227 LIBERIA ELWA: 0715-0730 in vernacular, strong at tune in w/tlk, EG ID 0720 and into chants (Clark)
- 3230 TAIWAN BCC: 1247 in CH cmty, mx, excerpts from speech, 1259 orch mx(Poppin) 1417 CH tlk by M & W (Bryan)

- 3240T PERU R America: From 0020 with musical pgm, gone by 0040(Field)
 3245 VENEZUELA R Libertador: 1027 SP, ID, commercials, Ven. mx (Jones 2/22)
 0315 SP, excellent sigs, LA ballad, EL mx, F anc (Word 2/20)
- 3250 SOUTH AFRICA SABC: 2210-2220 AK/EG all nite service, pops, DJ(Clark) 0235
 with pops (Bryan) 0345 AK mx and ads (Grenier)
- 3255 VENEZUELA LV del Tigre: 1013 SP, ranchero mx and full ID (Lobdell 2/24) 1025
 ID, TC, YV mx (Jones 2/22) 1052 very animated M anc, IDs.....(Burke)
 0130 SP anc, pop mx, ID (Cohen 2/21)
- * 3259 JAPAN NHK Sendai: 1235 M&W anc, M continued in comt, dialogue 1252(Poppin)
 3260 CHINA Guiyang: 1421 CH, M in tlk (Bryan 2/28)
 3260 ECUADOR LV del Rio Carrizal: 0230 SP, Ecuadorian mx, M DJ w/ID (Kenyon 2/16)
 3260 NIGER ORTN: 2245 FR, w/lcl mx, some on drums, ID 2256 (Bishop 2/25) 0530-0600
 Fair from s/on with armts, chants, native instruments (Clark)
- * 3265T SUMATRA RRI Bengkulu: Tlks, then chorus, M anc, ments of Indonesia(Poppin)
 Sorry, time for this one 1221 to 1233 --DR
- * 3275 PAPUA NEW GUINEA R So. Highlands: Good sigs at 1140, lcl mx and singing, M
 anc (Whitacre 3/11)
- 3275 VENEZUELA R Mara: 0025 SP, LA mx w/tlk by M (Prath 2/18) 0115 with musical
 pgm, ID 0115 and ads for business establishments in Maracaibo(Field)
- 3280 ECUADOR LV del Napo: 1040 in vernacular, TC and ID in SP, tlks (Jones)
 3285 BELIZE RB: 1107-1140 SP/EG, tlks by M, EG and SP armts; selections of C & W
 mx, IDs, EG religious pgm at 1200(Jones, Lobdell,Taylor) 0130 mx pgm mixing
 w/Radio Olinda (Field) 0430-0506* EG, pop mx in EG, ads, TCs(Burke 2/26)
- 3285 BRAZIL R Olinda: 0130 with sports, QRM de Belize (Field)
 3290 GUYANA GBS: 0220 w/mx pgm, armts in EG, poor (Field) *0800 Hindi/EG w/song,
 tlk about Bhutto and Pakistan(Osterman 2/8) 0840-0905 EG, Hindi vocals, nat'l
 mx 0900 by M, VG and HIC #155 (Krueger 2/27) 0953 early morning DJ pgm . TCs,
 pop mx (Jones 2/28)
- 3290 CHINA RP: 1425 in CH, W singing, CH mx (Bryan)
 3295 BRAZIL R Tapuyto: 0145 MOR mx, instrumental, nice calm ID! by M 0150 and more
 orchestral mx after (Levesque) Thanks for the report Diane!!
- 3300 GUATEMALA R Cultural: 0055 SP tlk by M (Rippel) 0200 mx and rel pgm(Prath)
 0332-0400 EG, gospel mx, SP pgm at 0400 (McCants 2/20) 0345 ID (Thompson)
 0335-0410 EG, M w/question answering, IDs, mx, (Billings 2/5) 0425-0455 SP,
 EL mx, "Alone Again, Naturally," religious tlks (Pappas 2/24) Welcome to
 LR-A Mr. Pappas!--DR
- * 3300 PERU Ondas del Huallaga: LA mx and mostly folk mx to 0557 t/out. Weak but
 clear, IDs at 0530 and again at 0552 (Tuchscherer in TDN 85)
- 3315 ECUADOR R Pastaza: *1055 U.S. pop, instr mx until ..."muy buenas dias, ID
 at 1100 followed by Ecuadorian mx (Jones 2/25) 0152-0203 SP, del campo mx,
 SP ID by M, fair to poor in UTE (Krueger 2/28)
- 3316 SIERRA LEONE SLEBC: 0705-0735 EG, vernacular with BBC nx at tune/in; EG ID
 0710, brief ad and armt, woman in EG 0712 (Clark)
- 3320 SOUTH AFRICA Radio 5: 0310-0320 EG, Fair sig w/EG pops, IDs for Radio RSA and
 Radio 5; not hrd on 7170 (Clark) 0333-0354 EG/AK M in tlk, ID for Radio 5, but
 poor sigs (Osterman 2/1)
- 3320 N. KOREA Pyongyang: 1514 w/Korean vocal mx, W in tlk (Bryan)
 3322 BOUGAINVILLE R North Solomons: 1210 in Pidgin, C&W mx, M anc w/lcl armts,
 US pop mx (Taylor 2/15)
- 3325 GUATEMALA R Maya de Barillas: 1058 in SP, religious pgm in SP and ID(Burke)
 1131 SP, ID accordion mx, very lively, with chorus (Osterman 2/9) 1213 in lcl
 dialect(Poppin 3/4)
- 3325 ECUADOR Ondas Quevedenas: 0658-0710 SP, GMT-5 TC, mostly Colombian and Venez.
 mx, but some Ecuadorian mx as well, echo promos (McLaughlin)
- * 3325 KALIMANTAN RRI Palangkaraya: 1428-1433 IN, mx and vocals (Bryan)
 3335 BRAZIL R Clube de Conquista: 2309-2320 PT, rock mx, M w/TCs and one ID
 (Krueger 2/19)
- 3335 PAPUA NEW GUINEA R East Sepik: 1030-1115 Pidgin, song 1030 "I'd Do Anything"
 in EG, ID and freq on hour, more mx (Ravenhorst) 1155-1210 Pidgin armts by M,
 C&W mx, TCs and lcl mx (Taylor 3/6) Strong 1100-1200 lcl pops, W anc(Whitacre)
- 3345 UNID: 1235 with strong signal on freq at same time as other PNGs; C&W mx, no
 ID--could this be the new station?(Word 2/11) Which stn? --DR
- * 3345T MOLUCCAS RRI Ternate: Tent here w/poor sig, 1140 M&W in dialogue in seeming
 IN (Whitacre 3/12)
- 3350 GHANA GBC: 2250 EG mx, sports, ID then chants (Cohen 3/4) 0555-0610 EG, VN
 ID 0559, into lcl mx, //4915 (Clark) 0715-0723 (McLaughlin)
- 3355 T INDIA AIR Kurseong: W in tlk 1215, Indian type mx 1220; only other stns on
 band were R Maya, Nahuala, and R E New Britain (Field)
- * 3354½ ANGOLA Radio Nacional: The former Ecclesia Xntr //3375 2340-2358* w/US pop mx,
 M in PT and instrumental to 2345 when M ment Radio....and Angola; more local &
 Europ inst to 2356 s/off armts, NA and off (Whitacre)

- 3360 GUATEMALA LV de Nahuala: 1130 SP, marimba mx, low key armts by M(Hoffman) 0139 ID, tlk, marimba background (Jones 2/10) 0345-0358* rnhchero and marimba mx, s/off with ID and NA (Blaise 2/17) Tent 1110 (McLaughlin)
- * 3364 IRIAN JAYA RRI Sorong: Good sigs and ute slop 1130 with beautiful Hawaiian stule vocals and M in IN tlk (Whitacre) QSL to Jim Young says should be increase to 10KW in near future
- * 3365T BRAZIL R Cult de Araraquara: 2311-2330 PT, M&W in tlk "Programa Nacional"; commercial for "Radio Nacional" (Osterman 3/2)
- 3366 GHANA GBC: 0551 tlk and TCs (Poppin) 0610-0620 EG, mx and cmty; //4980 (Clark) Has been a bit low of 4980 lately, around 4979.5 --DR
- 3375 ANGOLA R Nacional: 0350-0410 PT; faint signal, martial mx, ID and lcl mx, (Bogel) *0400-0416 PT, anthem, YL in tlk, ment of "Angola" and pops, ments of Zimbabwe, Cuba; guitar mx (Osterman 2/27)
- 3380 MALAWI MBC: 0342-0358 in Chichewa and EG, chants and drums, MBC ID, EG rel pgm (Osterman 2/26)
- 3380 ECUADOR R Iris: 0245-0318 SP, mx, ID, armts 0259 about Banco Popular de Ecuador; more LA mx and US pops (Golin 2/22)
- 3380 GUATEMALA R Chortis: 0315-0340 SP, marimba mx, SP tlks, IDs, accordian mx, vocals and off suddenly at 0340 (Thompson 3/5)
- 3385 FR GUIANA Cayenne: 0241-0255* FR, comedy routine, ID/freqs at 0254, into NA and off 0255 (Burke) 0250, ID 0300 followed by "La Marsellaise" and IS; carrier still on 0310 (Richardson 3/5) Thanks for the report.....--DR
*0900 FR after IS (Saylor/Wicks) *0901 with NA, ID, freqs, into rock mx(Jones) 0906-0918 FR, nice steel pan and reggae vocals, M DJ in FR tlk (Krueger 2/27)
- 3385 SARAWAK RM Miri: 1403 in Bahasa Malay, M w/nx, full ID 1403, many mentions of Malaysia in the clear (Godfrey 2/15) 1043 in Malay w/ID (Poppin)
- 3385 BRAZIL R Congonhas: 2320-2335 PT, M&W, TC and one "Congonhas" ID; into pop mx Good lvl (Krueger 2/24)
- 3385 PAPUA NEW GUINEA R East New Britain: 1230 in EG and lcl songs (Overcamp) 1234-1246 in Pidgin, M ancr, group vocals (McLaughlin)
- 3390 ECUADOR R Zaracay: 1020-1115 IDs, TCs, campesino mx....SP ID and nx....(Jones, Lobdell, Prath) 0322-0500* pop mx, IDs (Youndt,Rippel,Greenes,Osterman,Baldwin) On past usual 0500* w/Ecuadorian mx, SP IDs, ancmts (Cohen of Willingboro 2/27)
- * 3395 SUMATRA RRI Tanjungkarang: 1140 w/M in cmty, short mx and into dialogue; ID and M in rx (Poppin) 1438-1445 IN, tlk with ments of Havana and Cuba(Bryan)
- 3395 VENEZUELA R Universidad: 1022-1105 SP, mx and IDs, LA pops(Ravenhorst,Jones, McLaughlin) 0235-0245 with YV mx, frequent IDs, vocals and guitar mx(Bohlke, Thompson, Hoffman)
- 3396 RHODESIA REC: 0400-0425 EG, IDs, mx and comment; rock mx 0410, ads (Levesque, Osterman,Thompson,Bohlke,Hoffman,Burke)
- * 3396 NIGERIA NEC Kaduna: Booming signals as of late around 2300 s/off with nx and prayer, NA (Robinson)
- 3425 NEPAL RN: *0020-0040 in Nepalese, M ancr, subcontinental vocals (Kreuger 2/28) 1420-1440 exotic chants, mx and ID, mx (Bogel) 1435 (Poppin)
- * 3550 TIMOR RRI Kupang: Poor 1206 w/Jakarta nx // other outlets (Whitacre) 1345 IN, YL w/nx, orch and chorus, mx ID 1351 as RRI (Godfrey 2/14)
- * 3607 JAPAN NHK Tokyo: 1150 JP, 1152 M vocal, 1157 apparent IS to 1158 M mentioned NHK and Tokyo (Poppin 3/4)
- 3660 UNID: Presumed PRC 1447 in CH lang tlks, female vocal, oriental style; 1459 beeps, ID in CH and into commentary by YL (Poppin)
- 3668 UNID: 1305 in apparent IN and quite strong, M reading nx w/muffled voice... (Sarazin) Don't believe Timor here anymore Dave--see above--DR
- 3881v PIRATE: 0149-0200* MOR and rock mx, abrupt off in AM mode (Edelstein 2/6) 0502 EG, two QMs in tlk, said to have 700w, played songs(Baum 2/12) 0440 with US pop and rock, no talk (Mackay 3/1) 0749-0835 continuous rock mx, hrd no ancr. ARO's in Pueblo and Omaha talked about it and concluded it was closer to Pueblo, said it had been there for 8 days (Godfrey 3/4) I think not really a pirate but just some ARO or hobby tinkerer fooling around--DR
- 3900 CHINA Hailaer: 1414 in CH tlk by M, CH mx //3940 (Godfrey 2/12)
- 3905 ADMIRALTY IS R Manus: 1134 M in Pidgin tlk mixed with C&W (Poppin) 1203 M in tlk and lcl mx (Whitacre) 1240 w/rock mx pgm and Australian accented DJ ancr--taped pgm of top hits (Word) 1355 Pidgin, tlk by M (Godfrey 2/11) Listed 1300*
- 3910 JAPAN FEN: 1522 EG, semi-classical mx, G (Bryan)
- 3915 BEC Malaysia: 1341 in Burmese tlks by M&W, Asian mx, rx (Godfrey 2/8)
- 3925 PAPUA NEW GUINEA NBC: 0726-1154 EG, C&W, pop mx, IDs (Mackay,Godfrey)
- 3925 JAPAN NSB: 1526 in tlk by M in Japanese (Bryan)
- 3925T UNID: 0732-0745 in PT, M in rapid tlks, cavalry charge mx, more tlks(Sarrazin) Keep track on this one so we can pin Barlavento down--DR
- 3930 UNID: 1245 in Asian lang, classical mx, flute until 1255, M ancr w/deep voice followed by YL; 1300 church bells followed by more tlks by M&W (Godfrey 2/25) McNeil rpts Seoul here at 0956--DR

- 3945T NEW HEBRIDES R Vila: Men in tlk, possibly sporting event after 1000; on past 1030 on apparent extended sked--taped report sent (Hardester 2/19) Thanks Mike..
- 3960 UNID: *1400 in apparent AR;IS consisting of 4 or 5 drawn out notes on synthesizer, M w/nx, ID snrs AR (Godfrey) Sure of language, Mark?--DR
- 3970 CHINA Huhehaote: 1347 in tlk by M, presumed CH, orch mx and dialogue(Godfrey)
- 3995 ASIATIC SSR Nikolayevsk: 1529 RS, semi-classical mx, IS, M w/ID(Bryan)
- *T4000T SULAWESI RRI Kendari??: 1420 in lang, hrd no ancrs or any tlk, only Indo Gamelan mx (Godfrey 2/20) This fgy should be handled with extreme care as there are many possibilities, regardless of TBS or WRTH listings--DR
- 4030 ASIATIC SSR Anadyr: RS songs and lcl pgm to 0700 when they pick up Magadan w/"Govorit Magadan" ID, orchestral mx (Poppin)
- 4040 ASIATIC SSR Vladivostok: 1600 in RS, classical mx to 1600, IS played 3 times, (Mayak IS), and 6 short pips, into tlk by W (Hardester) 1532(Bryan)
- 4068 CHINA Huhot: Listed here, 1241 in folk songs and tlk in CH (Poppin)
- 4115 N. KOREA VRR: 1350 in lang and EG tlks, EG ID 1400 by YL (Godfrey)
- 4250 CHINA Peking: Listed, hrd 1253 CH presumed, oriental string mx (Poppin)
- 4380.3 CHINA PLA: 1007-1020 CH tlk, Amoy listed; PLA net 2 pgm, M ancr, mx(McLaughlin)
- 4554.6 N. KOREA VoParty for Reunification: 1020 in KR, W in tlk, ment Carter, occ tlk by OM and //4120 to 1035* (Hardester 2/17)
- 4610 ASIATIC SSR Khabarovsk: 1307 RS, classical mx, M ancr (Bryan)
- 4635 TADZHIK SSR Dushanbe: 0100 in lang tlk, ID, nx/editorial, exercise mx(Bishop)
- 4653vT LAOS Houa Phan Radio: 1313 in apparent Lao; W with long tlks taking a long pause about every 5 minutes--no ID (Godfrey) 1317 W w/nx (Bryan)
- 4680a ECUADOR R Nac Espejo: 0053-0550 with Ecuadorian mx, IDs, jingles, ads, LA mx and much of the usual fare (13 rpters)
- 4696 BOLIVIA R Riberalta: 0420 SP, lcl mx, weak (Alexander)
- *4698 JAVA RKPJ Surabaya: 1325 IN, nx from Jakarta hrd //4719 Ujung Pandang; Gamelan mx, ID 1334 (Godfrey 2/22)
- T4699.1 VIETNAM Quang Ninh: Tent at *1100 in VT to 1117* and *1130-1143* w/march type mx at s/on; ment of Vietnam at s/on (Hardester)
- 4719 SULAWESI RRI Ujung Pandang: 1220 Indo tlk, a few ads; 1258 IN ID, into Rayuan Palau Kepala and Jakarta nx relay(Gavaras) 1256-1330* w/Jakarta nx 1300, ID and s/off 1330 //4698 (Godfrey) 1045 IN, instr mx, M ancr (Hardester) 1203-1324 w/nx relay 1200 (Roberts, Bryan) Also booming 2200 time slot with mx--DR
- 4725 BURMA BBS: 1330 in lang, lcl mx, M in tlk after clock gong (Bryan)
- *4725 UNID: Station noted here the week of 3/13 with GREEK-MACEDONIAN mx and infrequent arnts by M, good lvl at times; snrs like European; noted around 2200-2300 with Cypriot/Greek strived mx and Zorba style fare (ROBINSON)
- *4736 PAKISTAN PBC Karachi: 2348-0101 in lang w/subcont vocals, M ancr; a suprise while tuning around (Kreuger 2/27)
- 4774 INDIA AIR Gauhati: 1203-1215* in lang, poor w/trace of lcl mx, getting the HJ until s/off (Kreuger) This out of order--Terry, you had this listed as 4744--DR
- *4750 CAMEROUN Bertoua: 0545-0555 FR, rock mx, tlk and lcl mx (Blaize 2/16)
- 4750 CHINA Heilongjiang: 1335 CH, oriental mx, W&M in tlks (Bryan)
- *4755 BOLIVIA Radioemisora Boliviana: Noted here w/excellent sigs from 1000 w/mx and SP tlks between, fading down toward 1045 (ROBINSON)
- 4755 COLOMBIA Em Nuevo Mundo: 2335-0315 SP, tlk and LA mx(HERMANN, Blaize, Alexander Sapoznkow, Jordan)
- 4759 CHINA Kunming: 1256 with vocals, 1301 language lesson (Poppin)
- 4760 SWAZILAND TWR: *0355-0405 GM, bells IS, GM ID and into opera pgm at 0400(Smith) 0357-0530 w/rel mx, hymns (Burke, Blaize, Hermann, Brookwell)
- *4760T VENEZUELA R Frontera: 0130-0153 SP, M ancr, YV mx, energetic promos, ID 0145 as "Radio Frontera....." but only tent (McLaughlin)
- 4760 BRAZIL Em Rural: 0259 in PT w/tlks, M ID 0300 in nx--was not Espiritu Santo (Hywarren)
- 4763 INDONESIA(SUMATRA) RRI Medan: Noted here tentatively at around 2300-0000 though not sked this time(ROBINSON) Mongolia also rptd this freq and time--DR
- 4765 BRAZIL: 0335-0400* fits Em Rural sked, but possibly Espiritu Santo?(FIELD)
- 4767 SUMATRA RRI Medan: Where is Medan? Other Indos noted frequently, but no Medan or carrier noted (Hardester 2/10) Actually, I'm not sure who is where right now.. 1516 mx relay fm Jakarta followed by chorus, ments of Medan (Poppin 2/20)
- 4770 VENEZUELA R Bolivar: 14 rpters from 2300-0354*, the usual LA format
- 4775 BRAZIL R Cultura Sergipe: ID 0100 in mx pgm (Field)
- 4775T AFGHANISTAN RA: 1402-1430 EG7, cool jazz, subcont mx, M ancr, P (Bogel)
- *4775 INDIA AIR Gauhati: 1211-1215* female vocalist, Indian mx, 1214 M in lang w/ s/off arnts, NA and off (Whitacre)
- 4777 GABON RTVG: 0447-0454 w/lcl songs/chants--low modulation(Blaize) They've been low on the mod for quite some time now. Wonder if they know it?--DR
- 4780 HONDURAS R Juticalpa: *1201 fgy, "musica tropical(Jones) 1125 ranchera mx, ID(Roberts) 2345-0005 dominant on fgy w/ID 0003 and mx pgm (Clark)

- 4780 VENEZUELA LV de Carabobo: 0200-0257 SP, tlks, LA mx, IDs and TCs and lottery (Hywarren, Clark, Baum, Ponder, Hermann)
- 4780 SURINAM SRS: 0940-1000 ID, EG/DT, ads (Tiers, Jones)
- 4785 COLOMBIA Ecos del Combaina: Running 24 hrs LA mx, IDs, Super plugs and TCs; Jingles and Colombian mx (10 rpters)
- 4789½ TRIAN JAYA RRI Fak Fak: Fair 1157 to unusual 1220* after 1200 SCI and Jakarta relay (Whitacre)
- 4790 SWAZILAND TWR: 0323-0354 Pgm in VN w/hymns, EG ID 0347(Smith 1/17) 0400(Field) 0413 w/sermon and songs (Bryan 2/15) Don't believe they're here anymore....DR
- 4790 PERU R Atlantida: 14 rpters from 1030 and 0000-0530.....
- 4795 ECUADOR LV de los Caras: 0330 SP, pops, two IDs(Blaize) 0409 bedtime mx, ID (Jones 2/26) 0505-0515* strong to 0514 s/off armts--late on Sunday only (Clark)
- 4800 LESOTHO LNBS: 0405-0423 armts by M in Sesotho between choral chants until 0414, then extended tlks by M; TWR 4790/SABC 4810 excellent same time(Smith) 0419 with same (Bryan) 0416 M in tlk, bad ute GRM (Bogel)
- 4800 ECUADOR R Popular: 0455-0635 w/many SP IDs by W, Ecuadorian mx, campo mx, TCs and ID "Radio Popular de Cuenca" (7 rpters)
- 4805 JAVA RRI Jakarta: 1312 IN, Gamelan mx, W ancr in tlk (Godfrey 2/16)
- 4805 BRAZIL Rdif Amazonas: 0933-0945 lcl mx, TC and ID (Sapoznikow) 0900 s/on with ID and freqs (Field) 0130 w/PT tlk and mx, ID 0135 (Clark)
- 4807½ SAO TOME E PRINCIPE R Nac: 2150-2300* PT, ID and tlk, inst mx; ID, NA and off 0605-0615 w/mx, clear ID as Radio Nacional (Blaize, Hermann, Hoffman, Clark)
- 4810 SOUTH AFRICA SABC: 19 with the usual for this one.....
- 4810 ECUADOR LV DE Galapagos: 0020-0035 SP, violin playing "meditation", and M ancr w/ID(Blaize 2/12) 0230 M w/tlk, then drama play in SP (Burke 2/1)
- 4815 UPPER VOLTA RTV: 2230-2345 FR, pop mx lcl style, drums (Bishop, Hermann, Hoffman) 0545 chants and drums, FR tlks, flute mx(Blaize) 0636 rx by M (Baysa)
- 4815 COLOMBIA R Guatapuri: 0000-0505* SP pops, armts, ID/anthem and off(8 rpters)
- 4820 INDIA AIR Calcutta: 1400-1415 lcl lang, subcont mx w/sitar, rx 1405(Sarrazin) Only sked to 1400 Dave--did it really snd subcontinental??--DR
- 4820 ECUADOR R Paz y Bien: 1018-1023 SP/Quechua, Ecuadorian mx, M ancr (McLaughlin)
- 4825 USSR RM: 2145 RS, inst mx; IS, ID and rx 2200(Hoffman 2/27) 2214(Earhart) For Xmtr site choices see TBS or consult your local Soviet informant--DR
- 4825 DOM REP LV de las Fuerzas Armadas: 1015 ID, big band mx (Jones) 2345 SP LA mx several IDs(Alexander) 0430 (Burke)
- 4825 GUATEMALA R Mam: 0030-0055 SP and VN, several "R Mam" IDs during tlk; marimba mx and M ancr; strong sigs but noted infrequently (Blaize, Clark)
- 4830 THAILAND RT: W ancr, Male vocal 1502 w/"Some Enchanted Evening"; more mx(Poppin)
- 4832 COSTA RICA R Reloj: 8 rpters w/SP tlk, ads, and promos, IDs.....
- 4835 GUATEMALA R Tesulutlan: 0045-0055 SP, marimba mx, M w/IDs(Blaize) 0151-0206 in SP, inst mx, marimba, clear IDs and city location (Ponder 2/12)
- 4835 SARAWAK R Malaysia: 1940 Kuching in Bahasa w/pop mx and M in tlk (Bryan)
- 4839½ BRAZIL Rdif Roraima: 0130-0145 PT, EL Brazilian mx, ID, ment Boa Vista(Blaize)
- 4840 CHINA Haerbin: Listed, noted CH tlks by W 1142-1145, rev mx (Roberts 2/25)
- 4840 VENEZUELA R Valera: 0959 SP, guitar mx(McLaughlin) 0236-0358* LA mx, ID, TC, pop mx, ID and freq at s/off w/NA (Clark, Jones, Alexander)
- 4843 CONGO Pt Noire: 0505-0545 FR, patriotic songs, speech, Men in tlk(Field, Blaize)
- 4845 MOLUCCAS RRI Ambon: 1257-1400* Indo w/Rayuan Palau Kepala, into Jakarta mx; cont tlk to 1300 ID; at 1355 ID and Love Ambon (Gavaras 3/6)
- 4845 MAURITANIA Nouakchott: 8 rpters 2100-0000* and 0600-0700 AR tlk, buitar mx, tlk.. NOTE: Using 4850 as well at alternate times, usually 0600 time slot--DR/Ponder/
- 4845 BOTSWANA RB: Fm 0350 IS to *0400 ID, hymn, Sesotho tlk, mx pgm (8 rpters)
- 4845 COLOMBIA R Bucaramanga: 0000-0400 SP w/EG IDs, LA mx, armts about "natural beauty of Colombia" and "R Bucaramanga, the world listens!" (12 rpters)
- *4850 ECUADOR Ondas del Zamora: 0425-0450 SP, M DJ IDING as such, pgm of pop mx, F (Krueger 2/28) 0440-0610* SP, LA/US mx, poor quality armts, 0601 ment Republica de Ecuador and NA; 0610 c/off (Howard 3/5) Nice catch for California--DR
- 4850 SURINAM SRS: In situations like this, with over 20 rpters for an item, I try to select the most interesting details from all reports.....0230 EG pgm w/YL DJ and phone interviews about SWEC radio including comments on RN, VOA, SEC, RA to 0330* (Overcamp) 0150 in DT w/poss DK type pgm ment R Tashkent, R Capital(Petravick) In 0900 slot Hindi, IN ID by M DJ, ads for GE appliances(Lobdell) And 18 others....
- 4850 CAMEROON Yaounde: 2135-2145 FR, lively mx and stronger than 4972.5; shnds like much higher power--100KW (Clark) 0430-0440 lcl mx (Bogel) 0623-0645 EG, M in tlk on agriculture and Zimbabwe; into FR 0645 (Sillings 1/15)
- 4850 VENEZUELA R Capital: 1010 EG rock, SP AMMTS, ad for Banco de Venezuela(Lobdell) 2330 w/"Informativo Cultural" and ID(Hermann) 0555 in tlk, ID 0604(Bryan) 0135 ID and vocals (Yacono)
- 4850T UZBEK SSR Tashkent: 1300 two stations mixing, one snd'ed CH in pgm gone by 1245-Peking listed; M+W continued in tlk in RS (Field)
- 4850 DOM REP R Clarin: Mixing w/Capital 2330 w/ads and mx (Hermann 2/13)

- 4855 SUMATRA RRI Palembang: 2230 IN, M w/IN tlk, some light mx, lost 2245 (BISHOP)
1350-1400 W in IN, mx, ID 1359 (Wallace-JAPAN) 1501 Mw/ID and mx (Bryan)
- 4855 BRAZIL RC do Para: 0303 PT, M in tlk, ID (Yacono) 0530 ads, mx and ID (Blaise)
0630-0645 PT, TCs for Belem, armts and IDs (Ponder 2/11) 0820 (Hermann)
- 4860 USSR RM Kalinin: 0343 EG, Moscow review, contest details (Desrosiers)
- 4860 PERU R Chinchaycocha: 0601-0624 SP, 1st mx, ID, M in tlk (Sillings, Poppin,
Alexander) *1053 w/NA, ID, short tlk to 1116 ID, TC, folklorico mx (Jones)
- 4865v MOZAMBIQUE RM: 0315 PT, //3210 which was better to about 0345; pop mx, apparent
mx 0400 (Clark) 0355-0410, mx and tlk (Bogel)
- 4865 BRAZIL R Soc Feira Santana: 0754 PT, rural type mx, many IDs, TC, armts (Roberts)
0810 w/ID, Brazilian tunes (Hermann)
- 4865 CHINA Lanzhou: 1508 CH, M&W vocals, F (Bryan)
- 4865 COLOMBIA LV del Cinaruco: 0320 w/sports, QRM fm Brazilian same freq (Field)
- 4870 ECUADOR R Rio Amazonas: *1134v NA, long pause, string instrument w/log drums,
into chants in Indian language (Jones) 0322 Ecuadorian mx, ID, TC 0328, Andean
vocals (Roberts) 0330 w/"musica Ecuatoriana" (Field)
- 4870 BENIN LVR: 0045-0200 later than usual w/usual pgm FR, rev speeches, drum mx,
tlk in VN (Blaise, Hermann, Word) 0523-0609 1st mx (Brookwell, Bryan)
- 4875 IRIAN JAYA RRI Sorong: 1245-1358 IN, tlk by M&W, full ID 1258, time pips and
Jakarta mx: 1358 s/off w/ID, Love Ambon (Gavaras) 1345 1st mx, M ancr (Bryan)
- 4875 BOLIVIA La Cruz del Sur: 1027 flutes and strings (Jones) 1034 w/rel mx (McLaughlin)
- 4875 BRAZIL R Jornal do Brazil: 2210 PT, EL mx, Brazilian style--no A Voz de Brazil
this day, this time (Bishop) This one is fairly dominant here now--DR
- 4880 SOUTH AFRICA SABC: 0410 AK, strong here //3955 w/mx, ID, freqs (Clark) 0420
R RSA AK tlk, ID Radio RSA in AK, organ mx (Blaise) 0436 EG/AK (McCants 2/21)
NOTE: R RSA using 4990 as of this writing--DR
- 4880 VENEZUELA R Universo: 0030 SP, two men w/live sports event (Hoffman)
- 4885 COLOMBIA Ondas del Meta: *0950 and 0000-0342, LA mx, armts, IDs "Somos pro-
fesionales, somos Ondas del Meta..." (Jones, Baum, Poppin, Blaise, Alexander, Pyatt)
- 4885 PERU R Huancavelica: When Meta off early try for this one here to 0502* as
noted by Pitt McNeill on a Sunday (McNeill TDXN-85)
- 4890 SENEGAL Dakar: *0600 & 2200 FR, tlk, mx and chants (11 rpters) NOTE: Dakar
noted using 4950 once again around 2230, but not in // with 4890--DR
- 4890 HONDURAS R Lux: 2356 SP, M ancr, TCs and a singing jingle, F (Hywarren)
- 4892v ECUADOR R Centinela del Sur: 0355-0509* SP, s/off ancrts, short anthem and
off....ads, armts, TC, ID and lite mx (Roberts, Jones, Field, Poppin, Blaise)
- 4895 SARAWAK RM Kuching: //5005 Sibn on 3/8, 1250 M in tlk in lang (Whitacre) 1201
in lang, easy ID, not as strong as 4950 in EG (Ravenhorst 3/13) 1353 M in mx
(Bryan)
- 4895T BRAZIL R Bare: 0030 v/weak, M in tlk in PT (Field)
- 4900 VENEZUELA R Juventud: The usual here from *0956 and 0100, rock mx, IDs, LA mx,
pops, M ancr (McLaughlin, Poppin, Prath, Blaise) NOTE: Off on some days--DR

GOOD GRIEF!! That was the largest turnout in a very long time. Please forgive the con-
sequent typos and the missorts listed below. It is becoming increasingly apparent that
some better method of frequency regulation and use must be agreed upon by those stations
and countries using the tropical bands. Exhibit A: 4,850 and 4,785. With any luck,
that will happen in Geneva next year.....On with the missorts.....73s--DAN

- 2428 PAPUA NEW GUINEA (NEW IRELAND) RNI: 1215-1238 Pidgin, pop mx, ancr in tlks in
in Pidgin (Cannon)
- 3205 BRAZIL R Riberao Preto: 0807 PT, slow paced PT ballads, many mentions of Sao
Paulo during ads and tlks (Hoffman)
- 3250 SOUTH AFRICA SABC: 0220 AVEG tlk, all night service, EL mx (Goodman)
- 3300 GUATEMALA R Cultural: 0300 EG, letters fm listeners (Noon) 0410 rel pgm (McCants)
- 3395 VENEZUELA R Universidad: 0145 SP, IDs, jingles, ads and more ads (Hoffman)
- * 4804 KENYA VOK: NOTE NOTE NOTE: VOK probably with increased power noted 0400 in EG
mx several nights running, UTE QRM (ROBINSON)
- 4853 YEMEN Sanaa: 2050-2115 & 0400-0420 AR tlks, mx and chants; QRM Cameroun at
2115 (Clark, Cannon, Bishop, Baum, Rippel, Lobdell)

AND, remember that many of these reports came late last month and are thus older rpts....
changes have taken place since, in frequency use and time.....

73s DAN

.....
HELPING HAND For Sale. Drake SW-4A in excellent condition. \$200 or best
offer. Art Burke, 1018 W. Main St., Leesburg, FL 32748.

HELPING HAND For Sale. Regency 8 channel scanner with the following
channels: 37.10 - 37.20 - 42.40 - 42.58 - 47.62. This unit is in excellent
cond. Mobile plug included. Contact: Dick Swanson, P.O. Box 349, Wellman,
IA 52356

log report

4900-6200
section

B

STEVE WISEBLOOD, SANTA MARIA, CA

- 4904.5 CHAD RMT: 2135 FR talk by M on Afro affairs, IS & ID 2200 (Desrosiers).
*0420-0620 IS on xylophone type instrument, afro vocals, FR talk (7 reporters).
- 4905rf ETHIOPIA VoRE: *0328-0415 flute IS, M in lang w/nx, chants (Bishop, Krueger).
- 4905 BRASIL R. Relogio Federal: PT nx, time pipe, Brazilian mx 0002-0355(Alexander,/
4905 CHINA RP- : 2258-2300* W in CH w/talk, poor u/Relogio (McLaughlin). (Hermann/
4907½ VENEZUELA R. Carora: 0354-0407* SP armts, ID, Cuban type mx (Roberts-MAN).
1052-1112 jingle, ID by W, SP ads, good! (Jones-MS, Lobdell, McLaughlin, Baum-FL).
- 4908 KAMPUCHEA VoUFK: 1134-1310 M in CB w/ endless talk, guitar and oriental string mx.
Key words "Froppah" & "Kroohn" (Gavaras, Cannon, Poppin).-Voice of United Front Kmp.
- 4910 ECUADOR E. Gran Colombia: *1104-1110+ Lengthy NA, SP tlk & ads, ID (Jones-MS).
- 4910 GUINEA Conakry: 2128-2200 Afro mx, vern nx 2130, tlk by M, full ID 2200 (Cannon).
0536-0600 Afro chant mx, FR tlk, FR ID's (Ponder, Hermann).
- 4911 ZAMBIA RZ: 0403-0420 Vern tlks, mentions of Zambia, anthem, ID (Blaise 2/17).
- 4915 CHINA Nanning: 1312-1400 W in CH w/cmtry, EG lessons 1330+ (Bryan-CA, Poppin).
- 4915 BRASIL Rdf d' Macapa: 0030-0140 slow Braz. rythems, ID, anmts (Hermann, Alexander).
0840 Brazilian orchestral mx, loud echoing quick talking DJ's in PT (Poppin-CA)
- 4915 GHANA GBS: 2216-2305* EG religious mx w/choir, EG nx, NA 2305* (7 reporters).
0545-0640 drum IS, EG nx, afro mx w/chanting, sports, obits. (9 reporters).
- 4920 ECUADOR R. Quito: 1114 M in SP w/tlk, "Republica del Ecuador" (McLaughlin).
- 4920 HONDURAS R. Progreso: 0347-0500* LA and classical mx, ID, NA 0500*(Blaise, Field)
1115-1120 SP mexicana musica, fair (McLaughlin). (Hermann/
- 4920 AUSTRALIA 0929-1401* orchestral and classical mx, EG tlk pgm, TC's(Sillings,/
4925 CHINA Haerbin: 1403-1420 M in CH, CH-oriental mx, Fair (Bogel-CA, Bryan-CA).
- 4925 BRASIL R. do Mar: 0740-0804, ID, PT vocals & instrumentals (Hermann)
- 4925 COLOMBIA Em Meridiano 70: 0400-0410* LA mx and NA at s/off (Blaise)
- 4930 DOMINICAN REP R. Mil: 2320-0441 M dj w/American pop mx & LA mx, TC's (8 reporters),
1001-1130 alternating M aners, "R. Mil Informando" nx, GOOD (McLaughlin, Lobdell).
- 4932 JAVA RRI: IN cmtry 1323, nx 1331 then chorus mx (Poppin 3/4).
- 4935 BRASIL R. Capixaba: PT tlk & lcl mx 0035(Alexander). Quick tempo brasilian mx,
M in PT, mentions of Vitoria 0832 (Poppin 2/11).
- 4935 PERU R. Tropical: M & W in SP, ID at 1125 (Field).
- 4935 UNID African, I believe, M in vern w/nx, announced "Voice of Zaire" 0430 (Field).
- 4940 USSR Asiatic SSR Yakutsk: 1406 w/M in RS, good (Bryan-CA).
- 4940 VENEZUELA R. Yaracuy: 0012-0342 Musica Latina: M in SP, vocal and rock mx(5 rpters).
1030-1139 LA pop mx, ID and TC's (Jones-MS, Prath).
- 4940 IVORY COAST RTVI-Abidjan: 2043-2238 FR tlk, nx, Afro folk mx, ID & IS(Cucura,
Hermann, Cannon). .0615 Afro chanting, M in FR, then drum mx (Bryan-CA).
- 4945 COLOMBIA R. Colosal: 0027-0641+ LA mx and SP guitar mx, ID's and ads (8 reporters).
- 4947v VIETNAM Hanoi I: 1300-1410 good w/flute mx and nx by M & W (Bryan-CA) Don't
mistake for Mongolia on 4952 before 1350*, it has orchestral and chants type mx.
- 4950 SARAWAK RMS: 1201-1422 -EG nx, wx, market rpt (Bryan-CA, Ravenhorst,Thompson,Howard)
- 4955t BRASIL R. Cultura: M in PT 0919-0925, fading at 0925 (Krueger).
- 4959v ECUADOR R. Federacion: *1100-1159 NA at s/on into SP religious tlk, flute, guitar
and accordian mx, quick tempo songs, and ID 1159 (Poppin-CA, Jones-MS, Hoffman-PA).
- 4959½ CHINA RP: 1424 M in CH w/talk, good (Bryan-CA). I have JP listed! -SCW (Alexander/
4960 VENEZUELA R. Sucre: 0025-0350 SP nx & ID's, fast LA mx (Leffler,Hermann, Blaise/
4965 COLOMBIA R. Santa Pe: 0031-0930 Lively LA mx, M in SP, nx, ID's (7 reporters).
- 4970 VENEZUELA R. Rumbos: 0006-0945 LA pop mx, SP nx, ID's and chimes (9 reporters).
- 4970 SABAH RMS: 1331-1430 pop island mx, M in Bahasa Malaysia, ID (Bryan-CA, Howard-CA).
- 4972 FRENCH GUYANA R. Cayenne: 0200-0400* strong, //3385, lots of FR talk (Clark).
- 4972½ CAMEROON R. Yaounde: 2215-2231 FR tlk, drums & afro chants (Hermann).
- 4975 COLOMBIA Ondas del Ortega: EG/SP lessons, 1058, ute not on this morning(Jones-MS)
- 4980 VENEZUELA Ecos del Torbes: 2315-0346 LA mx, M in SP, sports pgm(Tiers, Bryan-CA,
Hermann). 1100-1130 LA mx, ads and ID's (Saylor, Blaise).
- 4980 GHANA GBC: EG nx 0600-0610, strong (Hermann). THE INTERNATIONAL SOUND
- 4980 CHINA Wulumui: 1432 M in CH w/nx, good. (Bryan-CA). (Godfrey /
- 4985 SULAWESI Ujung Pedang: 1300-1420 M in IN, light music, ID at 1418(Wallace-JAPAN, /
- 4985 MALAYSIA RM-Penang: 1516-1521 M & W in Bahasa Malaysia, vocal mx (Bryan-CA).
- 4985 BRASIL R. Brasil Central: 2345-0800 LA MoR & Vocal mx, ID's, M in PT w/nx, fast
talking announcer in PT (Hermann, Saylor, Blaise, Ponder).
- 4990 SOUTH AFRICA RSA: *0300 EG at s/on, ID, to CAE Africa, EG nx (Osterman 3/5).
- 4990 CHINA Changsha: 1435 M in CH w/nx about China, good. (Bryan-CA).

- 4990 ARMENIAN SSR R. Yerevan HS: 0400 M w/ID, then EL mx to 0410, fair (Bishop 2/15).
- 4990 NIGERIA NBC Lagos: 2149-2300+ ID, Afro and EG mx, EG tlk (Cucura, Hermann, Sillings). IS, nx in EG, 0457-0539 Afro and rock songs (Overcamp 1/20).
- 4990 VENEZUELA R. Barquisimeto: 0000-0349 ID's, SP ads, LA mx & vocal mx (9 reporters). 1005-1120 SP annts, M in SP, ID's and LA mx (Jordan, Blaize).
- 4994 VIETNAM R. Hanoi: 1215 M in unid lang, weak (Field).
- 4995 PERU R. Andina: 0425 musical pgm, very weak (Field).
- 5000 HAWAII WWHV: 0700-0721 TC annts by W before WVV TC (Jordan).
- 5005 SARAWAK RM-Sibu: M in Iban, then islamic chanting 1438 (Bryan-CA).
- 5010 DOMINICAN REP. R. Crystal: W in SP, R. Garoua QRM 0530-055 (Lévesque).
- 5010 PERU R. Eco: 0310-0325 ID repeated w/echo chamber, LA mx(Blaize). 1052 M&W in SP, ads, Peruvian mx (Jones 2/20) 0530 echoplex ID's & lively mx (Gallagher).
- 5010 SINGAPORE RS: 1345-1420 EG ID's, BBC pgm, accordian/guitar mx (Thompson).
- 5010 CAMEROON R. Garoua: 2231-2240 EG rx ending w/the main points, into FR(MacKay). 0500-0618 AR chants, Afro drum rythems and chants, EG and FR nx(Gallagher, Jordan, /
- 5010 COLOMBIA R. Surcolombiana: 0037-0945 SP soccer match, lively jingles, (Hermann/EG lesson, SP tlks & plenty of LA mx (8 reporters).
- 5015 USSR Asiatic SSR: 1442-1500 "Grieg Concerto" & RS mx, strong(Bryan-CA).-Vladivostok
- 5020 SOLOMON ISLANDS SIBS: 0745 EG/Pidgin rx and "Spotlight?" show (Tiers).
- 5025 PERU R. Quillabamba: *1101-1110 NA, then rustic del campo mx (Krueger, Jones-MS).
- 5025 ECUADOR R. Sponditi: 0420-0605 SP talk & disco-LA mx, ballads & ID(Roberts-MAN, Blaize, Sapoznikow). 1105-1130 ads and ecuadorian mx, ID (Field, Jones-MS).
- 5025 BRASIL R. Barborema: 0042-0238 ID and Brazilian mx (Leffler, Field). 0750 LA mx, ID's, off at 0753 (Saylor 3/3/78).
- 5025 VENEZUELA R. Nacional: clear ID's 0330-0345, pop and rock mx, mucho QRM (Blaize)
- 5030 VENEZUELA R. Continente: 2355-1100 LA & U.S. mx, jingles, SP talk, SP tlk(11 rpters)
- 5030 SARAWAK R. Malaysia-Kuching: 1441-1453 W in Bidayah, MoR-island mx(Grenier, Bryan)
- 5035 BRASIL R. Aparecida: *0130 old U.S. pop mx, W in PT. weak (Field).
- 5038 CENTRAL AFRICAN EMPIRE Vdl'EG: 2122-2300* FR vocal mx, group singing and M in FR (Hermann, Gavaras, Cucura). 0532 FR nx, storm QRM (Brookwell).
- 5039 SUDAN R. Omdurman: 0403-0435 islamic chants and AR talk(Osterman, Clark).
- 5040 VENEZUELA R. Maturin: 0130-0400* IA mx, anthem at s/off (Clark, Field, Baysa).
- 5040 COLOMBIA R.Cinco: 0046-1058 upbeat LA mx, ID's, vocal mx (7 reporters).
- 5045 BRASIL R. Cultura do Para: 0050-0301* Brazilian mx (Leffler, Alexander). 0945-1005 fast Latin mx, TC's by W after each song, ID at 1000 (R. Smith 2/29).
- 5047 TOGO RP: 2200-2246 FR tlk, nx and vocal mx (Leffler, Hermann, Cucura). *0525-0617 IS followed by choir and anthem then FR dj w/ pop mx(Blaize, Brookwell, Lobdell, Bryan).
- 5052 SINGAPORE RS: 2232 faded up w/W w/ID "This is RS" and EG tlk (Bishop). 1417-1459 W w/ EG tlk, ID, tlk about music culture, strong (Bryan-CA)
- 5055 COSTA RICA TIPC: 0445 EG religious pgms and hymns (Overcamp). 0443 EG sermon(Bryan).
- 5057 ALBANIA R. Gjirokaster: 0200 M in AB, Symphony mx, UTE QRM (Hywarren). 0515-0525 M counting with piano mx, A morning ritual (Osterman, Blaize, Jones-MS).
- 5060 ECUADOR Em Progreso: 0053-0531 Ranchero type mx, ID & SP nx(Hermann, Baum, Leffler). 1134 guitar mx (Jones-MS).
- 5060 PAKISTAN RP: 1305-1311 EG nx read by W (Sapoznikow 3/7).
- 5075 COLOMBIA R. Sutatenza: 0105-0334 SP nx //5095, LA mx, good (Blaize, Bryan-CA).
- 5095 COLOMBIA R. Sutatenza: 2325-0341 SP nx, ads, ID & freqs, LA mx (5 reporters). 1016-1145 LA mx, ID's, TC's, Radio drama (Desrosiers, Blaize, Poppin).
- 5125 CHINA RP to Taiwan: 1107-1109 W in CH, //6790. fair (McLaughlin).
- 5140v CHINA RP: 1120 RS to the USSR, W w/ID, semiclassical mx (Poppin).
- 5170 CHINA PFBS-2: 0940-0952 Amy and CH, poor (McLaughlin).
- 5745 USA SLBS (Feeder): 0735 M in EG "For SLBS" followed by W w/nx in EG, then "this is Bill Kaplan, Washington, returning you to SLBS", followed by cmnty interview pgm. (Poppin 2/10). Obviously, a Sri Lanka Broadcast Service feeder -SCW
- 5770 CHINA PFBS-2: 0933-0938 M in CH (McLaughlin).
- 5850 BOOTLEG Voice of the Voyager; 0537-0601* EG. They were playing old 78 RPM records on what they called an old 1918 Edison record player. During one song the music slowed down and stopped. Then the announcer said "Back with popular music" and after a few seconds of cranking, the music started up again!!! Between songs news items were read concerning various world headline stories. They identified as "This is the voice of the Voyager, coming to you on a frequency of 5850kHz". They asked that all reception reports be sent to NASWA, SPEEDX of any major shortwave club!! (WOW!!) At 0600 the DJ announced that the Nightime melodies pgm was over and again requested that all reception reports be sent to any major shortwavr club, and then s/off. Poor to fair sig w/UTE QRM. (Gavaras, and subsequently hrd by Lineback).
- 5865 USSR UNID location: pgm in RS talked about the economy, U.S. admnstr 1205(POPPIN).
- 5882 ISRAEL IBA: 0441-0535 HS pgm in HB w/pop mx; M&W in HB(Brookwell, Hermann, Kenyon, /
- 5885 SUMATRA RRI Pekanbaru: 1535-1559* island mx w/flute, vocal mx, M in IN, (Youndt/ male prayer chants, hawaiian type mx to s/off (Wallace-JAPAN, Poppin).
- 5895 MEXICO Rdf Mexico: 0146-0155 SP talk on technology, ID, band mx (Hermann 2/28).

- 5900 ISRAEL IBA: 0435 ID & SP nx, lots of U.S. news items (Hermann).
- 5900 CHINA FPBS- : 1035 CH talk u/Soviet station (Blaise).
- 5915 USSR Bulgarian site RP&P: *0400 IS, ID nx in SP (Hermann). 0211 SP nx (Hermann).
- 5915 USSR RM-Baku: African service 2130 EG nx, QRM! (Bishop).
- 5915 BULGARIA R. Sofia: *0430-0435 IS, ID, SP nx, 0510 Serbo-Croat (Hermann). 0600 GK (Edelstein/
Edelstein/
- 5920 NICARAGUA Rdf Nacional: 0431-0600 M in SP, ID's, pop-EL mx, strong (Bryan-CA./
- 5920 USSR RM: 2150-2230* EG talk to Great Britain (Earhart, Hermann).
- 5920 USSR Mayak: 1440-1500* slow rock EL type mx, trumpet&jazz mx (Poppin).
- 5930 CZECHOSLOVAKIA R. Prague: 0115 EG nx and cmtry (Prath 2/7). *0200-0210 SP nx, ID,
into EG 0700, good (Hermann).
- 5954 COSTA RICA R. Casino: SP ID 1107 and ads, 2 bells after ID (Hascall).
- 5955 BRASIL R. Gazeta: PT 0640-0645, Brazilian mx, ads & ID, M in PT (Sapoznikow).
- 5955 GUATEMALA TGNA R. Cultural: TC & Easy Listening mx, fair (Roberts-MAN).
- 5955 COLOMBIA LV de los Centauros: 1033-1046 ID, TC, Campesino mx (Jones-MS).
- 5960 CANADA RCI: 2350-0100*EG "As it happens" w/MW 1 EG w/nx (Batsou). 0358-0425* EG
mx, IS & ID, cmtry on economic matters, "Sports Roundup" (McCants 3/7).
- 5960 AUSTRIA ORF: *2158-2202 IS, ID GM, poor w/heavy QRM (Hermann).
- 5965 MALAYSIA RM Kuala Lumpur: 1355-1527, time pips, ID and MoR mx (Poppin, Bryan-CA).
- 5970 USSR Asiatic SSR Khabarovsk: 1531 Mayak IS, M&W in RS w/tlk (Bryan-CA).
- 5970 PERU R. El Sol: 1040-1133 M&W in SP, Peruvian mx (Jones-MS, Baysa, McLaughlin).
- 5970 U.S.A. VOA: 0430 AR programming (Fumelli).
- 5975 GREAT BRITAIN BEC: 2236-0545 "British Press Review", "The World Today", EG cmtry,
EG nx (Swanson, Baum, Leffler, Bryan-CA).
- 5975 CHINA RP: 1145 Korean lang, oriental mx (McLaughlin).
- 5980 PERU R. Panamericana: 0400-0701* jingles, SP guitar mx, SP tlk(Poppin, Ponder,
Onken, Sherman).
- 5985 MEXICO R. Mexico: 0219 SP ID by W(Baum-FL). 1503-1520 ID, guitar mx (Cannon).
- 5985 BURMA BEG: 1540-1559*MoR and island mx, good, NA 1559 (Bryan-CA).
- 5990 ROMANIA R. Bucharest: EG nx, ID, Radio Newsreel, 0236 Romanian (Hermann).
- 5990 JAPAN RJ: 0812 EG M w/tlk about Air pollution, fair (Osterman 3/6).
- 5990 MALTA IIRA: 2045 EG religious pgm, ID and hymns (Kenyon 2/23).
- 5995 AUSTRALIA RA: 0845-1450 EG into pidgin at 0845, pop mx (Bohlke, MacKay).
- 5995 MALI Rdf Nat: 2307 FR tlk w/pop mx, FR ID 0000* then s,off w/NA (Gavaras 3/5).
0715-0730 in vern w/talk about Mali and Zaire (Hermann 2/28).
- 6000 ANTIGUA DW: 1120* experimental pgm in SP, gave QTH as Antigua (Jones-MS).
- 6000 BRASIL R. Inconfidencia: 0927-0932 Brazilian guitar mx, fair w/PT talk (McLaughlin).
- 6005 CANADA CFCX: 1825 usual pop mx, EG commercials (Rippel).
- 6006 COSTA RICA R. Relejo: 0015 SP IA mx, and SP talk (Onken). 1115 SP pop mx (Prath).
- 6010 ITALY RAI: 0103-0120* EG, W in EG reading nx slowly, ID (Sillings, Bunce).
- 6010 PERU R. America: 0825-0915 Continuous U.S. pops & IA mx, Good (Osterman).
- 6010 VENEZUELA R. Mil Cuarenta: 1037-1041 LA pop mx, ID & TC, W in SP (Jones-MS).
- 6015 BRASIL R. Clube Pernambuco: 0900* M in PT, pop mx, rooster crow (Brookwell).
- 6019v COLOMBIA R. Mira: 1115 ID's, TC's, vocal and guitar mx (Jones-MS). 0125-0145
ID, IA mx, ID's and TC's (Wicks/
- 6020 PERU R. Victoria: 1045-1114 Noticias, ID's, M in SP, light mx (Jones-MS, Saylor/
6025 PORTUGAL RP: 0300-0330 EG talk, pgm on tourism in Portugal (Leithner). 0500-0520
EG mx, pgm about Portugals economy, portuguese coins (Noon-IL, Jordan).
- 6025 UZBEK SSR R. Tashkent: 1200-1230* EG nx, ID's, cmtry, program previews, detailed
amount of info on announcers recent rrip to India(Desrosiers, Burke).1400 EG(Goodman)
- 6030 GERMANY (WEST) Sueddeutcher Rundfunk: 2245 GM folk mx & classical mx (Hoffman-PA).
- 6031.2 PHILIPPINES FEBC: 1025 EG religious pgm, full ID on 1/2hour (Hardester-OKINAWA).
- 6035 AUSTRALIA RA: 2200 EG nx, then faded by 2211, back at 2214 w/cmtry (Richardson).
- 6035 LIBERIA VOA: 0500-0530 M w/nx in EG, nx analysis, Breakfast show(Bryan-CA, Lisfer).
- 6040 GREAT BRITAIN VOA (Woolferton): 0318-0334 VOA "Breakfast show", ID by M(Sillings).
- 6040 ANTIGUA DW: *0130-0149* EG nx and current affairs (Stroh).
- 6045 SWITZERLAND SEC: 0430-0440 EG nx and talk, "Dateline", ID (Jordan, Swanson).
- 6055 JAPAN NSB: 1408 W in JP, rock mx, very goof (Bryan-CA).
- 6060 ARGENTINA R. Nacional: 0930 ID by W, then SP talk pgm (Jones-MS).
- 6065 SPAIN REE/SPR: *0100-0300 EG nx, W w/ID, political commentary, //11880 (5 reporters)
- 6070 CANADA CFCX (Vancouver): 2027 EG, ads and country mx (Tiers).
- 6070 CANADA CFCX (Toronto): 0302 M in EG w/talk (Tiers). 0957 Pop mx and ads(Jones-MS).
1845 Country mx, ads and M in EG (Youndt 2/8). (Prath, Yacono/
- 6070 BULGARIA R. Sofia: 0005-0100* EG nx, talk & music, QRM!!(T. Smith, Bunce, Cucura,/
6080 BELGIUM BRT: *0015-0100* Brussels calling, EG nx, wx, mx & mailbag (5 reporters).
- 6082 PERU R. Nacional: 1125 SP, slicked up Peruvian mx, HCJB QRM (Jones-MS).
- 6085 ANTIGUA DW: 0513-0516 M in GM w/nx, ID&ID, GM yodeling quartet (Bryan-CA).(Prath/
6090 LUXEMBOURG RL: 0000-0145 M in EG, wx, ID's, ads, pop mx(Sillings,Bunce, Cucura, /
6095 POLAND RP: 0200-0230 M w/nx in EG, xmtry, Polish mx (Prath, Cucura, Burke,Bunce).
- 6095 ECUADOR HCJB: "Unshackled" 0550, EG pgms (Swanson).

- 6100 MALTA DW: *0129-0149* EG nx and current affairs, EG cmntry (Stroh, Thompson).
 6100 LIBYA PRB: 2100 AR mx and talk //11700, but not 6200 (Zilmer).
 6100 MALAYSIA RM: 1415 W in Thai, piano mx, then M w/nx, jamming (Bryan-CA).
 6105 HUNGARY R. Budapest:*0300-0330 EG nx, cmntry on Cambodian affair (Bunce, Yacono, Ricchezza). HG nx, talk and mx (Torsay).
 6105 NEW ZEALAND RNZ: 0745-1031* A. Cushen's DXpgm (1st Sunday monthly)(Howard,Osterman)
 6105 MEXICO Su Pantera: 0100-0459* M in SP, Ranchera and U.S. mx, many ID's and TC's, s/off w/ "The battle hymn of the republic"(Hywarren, Bishop). 1240 SP ads (Jones).
 6110 PHILIPPINES VOA Tinang: 1419 Special EG, home construction (Bryan-CA).
 6110 GREAT BRITAIN BBC: African service in FR 0525, EG lessons, FR nx (Fumelli).
 6115 COLOMBIA La Voz del Llano: 0930-1035 LA and pop mx, many ID's (Pyatt,Baysa,Saylor).
 6115 MEXICO XEUDS-R. Universidad de Sonora: 1620-1650 SP amts, Classical mx (Thompson).
 6120 ARGENTINA R. El Mundo: 1000 Time pips, Electronic chimes, then ID, pop mx(Jones).
 6130 GHANA GBC: EG talk by W, then M w/religious pgm 2145 (Osterman).
 6135 POLAND RP: 0225-0230 EG talk by M about polish mining, mx and ID (Birkhaeuser).
 6135 CHILE R. Univ de Concepcion: 1106 SP nx, fading fast (Jones-MS).
 6135 SWITZERLAND SBC: *2255-2258 fair u/RFE w/IS (McLaughlin) 0210-0215 EG talk by M&W, ID, time pips, talk on Womens Rights Organizations (Bunce, Goodman).
 6140 COLOMBIA R. Melodia: in the clear after DW s/off 0315 w/romantic mx, ID's, M in SP w/talk. Professional sounding operation. Located in Bogota(Petrarick, Roberts,Jones).
 6145 ALGERIA RTV: 2216 M in AR, DW GRM, lots of AR talk (McLaughlin).
 6145 GERMANY (WEST) DW: German yodeling polkas 0518, GM talk (Bryan-CA).
 6155 SINGAPORE RS: 1200 Orchestral type mx, talk in CH dialect, oriental mx (Hoffman).
 6155 AUSTRIA ORF: 0140 EG nx, softline propaganda cmntry, classical mx (Bunce 2/11).
 6155 COLOMBIA La Voz del Huila: 1125-1159 M in SP, LA mx, ID's and 3note chime(Baysa).
 6155 JAPAN FEN: 0810-1346 Oldies, Big Band mx, U.S. rock mx, Interview w/Paul Williams about the movie "A Star is Born" Fair-good (Howard-CA, Osterman, Jones-MS).
 6158 GUATEMALA R. Miramundo: 1215 Marimba mx, SP talk, ID (Jones-MS).
 6160 CANADA CKZU-Vancouver: 2038 EG tlk on Soviet Satellite crash in NWT (Tiers).
 6160 CANADA CKZN-New Foundland: 1312 EG CBC nx relay, "Morningside", ads(Desrosiers).
 6160 PHILIPPINES VOA-Poro: M in CH w/nx, fair but jammed (Bryan-CA).
 6165 VIETNAM VOVL 1428-1430 M in VT, local nx; ID (Bryan-CA).
 6165 MEXICO LV de America Latina: ID as XEW, pop mx 1137 (Jones-MS).
 6165 SWITZERLAND SBC: 0200 EG, European nx and cmntry (Leithner).
 6170 VENEZUELA R. Nacional: *0959, NA, chorus, ID, Classical mx, W in SP (Jones-MS).
 6170 FRENCH GUYANA FR3: 0730 M in FR w/long speech on Belize, ID, U.S. pop mx(Levesque).
 6170 EGYPT R. Cairo: EG nx and mx 0325 (T. Smith).
 6175 PERU R. Tawantinsuyo: *1000 Anthem, continuous Peruvian mx, ID by W 1010 (Jones).
 6175+ FRANCE RFI: poor, but out from under BBC 0730*, FR nx by W, FR ballads(McLaughlin).
 6180 CYPRUS BBC: 2222 M in EG, ID, talk about ENAm snow storm, economic nx(Edelstein).
 6180 GUATEMALA R. Nacional: *1055 Choral anthem, ID jingle (Jones-MS).
 6190 CHILE R. Nacional: *1000 SP nx pgm, into VOPF EG pgm 1015 (Osterman, Jones-MS).
 6190 VENEZUELA Ecos del Torbes: 1000 SP, M in SP w/ID, strong for 1kw (Baysa).
 6190 MOROCCO RTVM: 2200 AR Islamic mx, //6100, 6170(Zilmer). 0602+ AR Vocal, x(Krueger).
 6195 CANADA CBC-NS: 0226-0500+ jazz mx, EG world nx (5 reporters).
 6195 MALAYSIA BBC-Tebrau: 1432 EG, "Meet the Composer", Harpsichord mx (Bryan-CA).
 6200 LIBYA PRB: AR talks, call to Prayer, abrupt s/off 2205 (Lobdell).
 6200 ROMANIA Bizim R.: 0809-0841 M in lang w/speeches, short vocals. Fair (Krueger).
 THANK-YOU to all for reporting this month, Lets do it again next month!

.....Until then...73's...Steve.....

HELPING HAND For Sale. FRG7 w/fine tuning, 6 months old, little use, and in excellent condition w/original carton and manual. \$240 + shipping. Also a Dymek DA100 amplified whip antenna, 5 months old. \$100 + shipping. Both for \$300. Bob Beebe, 120 S. 36th St., #6, Omaha, NE 68131, or call (not collect) 402-345-6115.

HELPING HAND Wanted. Large wall map of world, preferably 36" x 48", and a preselector to fit a Realistic Patrolman-9 portable receiver. Harvey Pearson P.O. Box 104, Greencastle, MO 63544. P.S.-prefer a used preselector.

HELPING HAND For Sale. HA-600A, less than 1 yr old, very good condition. \$185 + shipping. David Greenes, 38 Grey Lane, Lynnfield, MA 01940 or call (not collect) 617-334-6306.

HELPING HAND For Sale. National-Matsushita (Matsushita also makes Panasonic products) RJX-4800 communications receiver, 2 month's of use and in perfect condition, with built-in digital readout in bands covering 3 - 31Mhz, extremely sensitive w/advanced design eliminating need for preselector tuning, making DX bandscanning rapid, dual selectivity & conversion, also non-digital coverage of .5 - 3.0 Mhz, \$445. Alan Hausner, 39 Dewey Road, Cheltenham, PA 19012 or call (not collect) 215-635-6219.

log report

section



Tom Gavaras 16920 17th Ave. N. Wayzata, MN 55391

- 6230 EGYPT R. Cairo; 0200-0315+ EG News(Torsay, Thompson, Zilmer, Hascall, Torsay, Burke, Noon).
 6320 CHINA R. Peking; *1300 IS into talk in unidentified language & music (Zilmer 2/26).
 6380 MONGOLIA R. Ulan Bator; 1247-1250* English cmntry, freq, sked, etc. (Wallace 1/30).
 6400t CHINA PLA; 0914 Chinese talk w/poor signal. KCBS also heard (McLaughlin 1/21).
 6425 VIETNAM VOV (Hanoi); 1533 Unid. Language w/cntry. Mentioned; Hanoi, etc. (Poppin).
 0450 VIETNAM VOV (Hanoi); 1527 Asian language with violin music (Poppin 2/28).
 6550 LEBANON V. of Lebanon; *0450 Music box IS, Arabic ID, light mx, etc. (Hauser, Krueger).
 6575 KOREA (NORTH) R. Pyongyang; 1508 Russian talked about Japanese Capt, etc. (Poppin).
 6770 KOREA (NORTH) R. Pyongyang; 1300 Korean talk & music//9420 (Zilmer 2/26).
 6790 CHINA R. Peking; 1045 Chinese music, talk, news, ID to Taiwan, etc. (McLaughlin).
 7025 CHINA PLA; 0907 Chinese program with talking by a man & woman (McLaughlin 1/21).
 7035 CHINA R. Peking; 2244 Chinese talking (Leffler 2/26).
 7050 EGYPT R. Cairo; 0340 Arabic music program (Kenyon) 0600 Arabic music (Fumelli).
 7065 ALBANIA R. Tirana; 2248 French tlk (Leffler). 0000 EG News (Prath, Cucura, Weinhold).
 7070 INDONESIA RRI (Jakarta); 1222-1412+ Indonesian tlk & mx (Poppin, Bryan, Godfrey).
 7075 EGYPT R. Cairo; 0605 Arabic program with local music (Fumelli).
 7080 VIETNAM VOV (Hanoi); 1228 Malay ID into Indonesian program & news (Bryan 2/23).
 7105 ASCENSION ISLAND BBC; 0301 English w/TC, ID, News about Britain, etc. (Thompson).
 7105 MONACO TWR; *0720 EG Religious pgms (Sillings, Ponder, Byron, Morck, Greenes, Hamann, McCants).
 7105 USSR R. Moscow; 2300+ English ID, News, Moscow Review (McCants, W. Smith).
 7110 USSR R. Moscow; 0235+ English cmntry and mailbag program (Gallagher, McCants).
 7110 INDONESIA RRI (Yogyakarta); 1420 English w/V. of Indonesia pgm//11789 (Godfrey 2/21).
 7110 MALI RfF Nationale du Mali; 0804 French ID with Marching Band music (Gallagher).
 7115 BULGARIA R. Sofia; 0430 English talk about Bulgaria (Woltman, Baum).
 7120 ALBANIA R. Peking; 0103+ English news & talk (Leffler, Gallagher).
 7125 MONACO TWR; 0725 English w/Back to Bible, etc. (Taylor, McCants).
 7126 GUINEA RfF Nationale; 0559 French ID, local music, etc. (MacKay 2/3)
 7130 TAIWAN VOPC; 1238 Mandarin news, ID & pop music (Bryan 2/23).
 7130 USSR R. Moscow; 0030+ English news, cmntry, Mailbag, etc. (Leffler, Fraser).
 7135 FRANCE RFI; 0607 French with the African Service (Fumelli).
 7140 JAPAN R. Japan; 1242 Russian news program read by a woman (Bryan 2/23).
 7145 POLAND Polish Radio; 0200 English ID & Music//7270 & 6095 (C. Sherman 1/15).
 7150 USSR R. Vilnius; *2300 EG ID & mx (Sillings, Bohlke). *0100 Lithuanian w/IS, ID, mx & cmntry (Roberts, Sapoznikow).
 7150 UNIDENTIFIED; *0601 Drum IS, s/on, National Anthem, African music, etc. (MacKay 2/6).
 7165 PHILIPPINES VOA (Tinang); 1246 English with Jazz music (Bryan 2/23).
 7170 GREECE VOA (Kavala); 0533 Arabic talking & music (Bryan 2/12).
 7170 NEW CALEDONIA R. Noumea; 0606-0903 French talk & pop mx//11710 (Cannon, Osterman, Morck).
 7170 TURKEY V. of Turkey; 2220+ English News, pop music, DX pgm (Earhart, Leffler, Hermann).
 7175 USSR R. Moscow; 0111 English talking with music (Leffler 2/27).
 7175 SICILY RAI; 0610 Italian talk by man w/pop mx. RAI 2nd pgm (Taylor 2/19).
 7180 MALAYSIA BBC; 1250 English talking by a man. Very good signal (Bryan 2/23).
 7190t YEMEN (Peoples Democratic Rep.) DYBS; 0340 Arabic tlk & ME style mx (Bogel).
 7195 JAPAN R. Japan; 1043 Chinese talking and oriental music (McLaughlin).
 7195 USSR; Russian HS 2211-2229* Russian cmntry about USSR, USA, Palestine, etc. (Hermann).
 7200 USSR; Yakutsk HS 1300 IS, Time pips, Russian ID, etc. Very good (Bryan 2/23).
 7205 USSR R. Moscow; 0113-0347 English ID, News, cmntry on Red Army, etc. (Leffler, Reed, Woltman, Stroh, Fraser, Noon, Bryan).
 7210 USSR; Khabarovsk HS 1631 IS, Russian ID, News w/talk about China (Bryan 2/28).
 7210 SWITZERLAND ICRB; *0600-0703* French news, cmntry into German at 0636 (MacKay).
 7215 GREECE VOG; *0630 Interval Signal, National Anthem into Greek pgm (MacKay).
 7225 PHILIPPINES FEBC; 1305 Japanese ID & mx (Bryan). 1435 Chinese tlk & mx (Thompson).
 7225 RWANDA DW; 0430+ English ID, News & Rock Music (Sillings, R. Smith, Stroh).
 7230 CYPRUS Cyprus Bc. Corp.; *2212 IS, Greek ID, nx, folk music till 2230* (Lobdell).
 7240 PHILIPPINES VOA (Poros); 1315 Vietnamese talk, news & music (Bryan 2/23).
 7255 PORTUGAL (?) RFE; 0640 Romanian ID, talk (MacKay 1/25).
 7260 USSR R. Kiev; *0300-0330* English news and commentary (Leithner 2/7).
 7265 GERMANY (WEST) Sudwestfunk; 0250 German ID, pop music w/HAM interference (Gallagher).
 7270 GREECE VOA (Kavala); 0312-0551 English w/Breakfast Show, etc. (Bryan, Baum).
 7270 POLAND Polish Radio; *0600 Interval Signal, ID. Strong signal (MacKay 1/25).
 7270 SARAWAK R. Malaysia; 1241-1321 lang w/mention of Kuching, mx, etc. (Poppin, Bryan).
 7270 SOUTH AFRICA RSA; *0256 English w/IS, Identification, etc. (Gallagher 2/10).

- 7275 ITALY RAI; 0435 English to Mediterranean w/news & Tunis QRM (Lobdell 3/6).
- 7275 NIGERIA VON; *0555-0700* English ID, mx (Gallagher, Saylor, Kenyon, Bryan, Hancock).
- 7275 TUNISIA RTVT; 0545 Arabic talk & chanting (Bryan 2/12, Gallagher 2/10).
- 7280fr FRANCE RFI; 0700-0810 French news, music, ID, etc. (Hermann 2/28, Fumelli).
- 7295 MALAYSIA R. Malaysia; 1326 Bahasa/Malay talk, mx (Home on the Range), etc. (Bryan).
- 7300 ALBANIA R. Tirana; 0240 English cmntry & ID (Matthew). 0340 EG nx, ID (Hascall).
- 7300 USSR R. Moscow; 2135 English cmntry on Cyprus, Cosmonauts, etc. (Hermann 2/24).
- 7310 USSR R. Moscow; 2230 Portugese news program (Hermann 2/23).
- 7320 USSR R. Moscow; 0123 Spanish news program (Leffler 2/27).
- 7320 USSR Magadan HS; 1342 Russian talk by female w/classical mx (Bryan 2/23).
- 7325 USSR Mayak; 2040 Russian w/slow mx, Moscow Nights IS, more mx (Hermann 2/24).
- 7335 USSR R. Moscow; 2235 Chinese talking beneath CHU (Hermann 2/24).
- 7340 USSR R. Moscow; 2147 German program w/talking (Hermann 2/29).
- 7345 CZECHOSLOVAKIA R. Prague; *0100-0155* English ID, mx, mailbag (Fraser, Sillings). *0300-0355* EG News (Torsay) 2245-2340 Spanish tlk & ID (Prath, Hermann).
- 7345 SPY STATION; 0918-0923* Spanish 5 digit numbers. End w/Final (Hermann 2/25).
- 7360 USSR R. Vilnius; 2310-2330 English nx & cmntry//7400 (Hermann 2/24, Ponder 2/8).
- 7360 USSR R. Peace & Progress; *0400 Spanish ID and news program (Blaise 2/6).
- 7360 USSR R. Kiev; *0300 English nx (Ricchezza). 2027 EG pgm into Ukrainian pgm (Hermann).
- 7360 USSR R. Moscow; 0127 Spanish tlk on Human Rights in Czechoslovakia (Leffler 2/27).
- 7380 USSR R. Moscow; 2346 Spanish with news program. 0000 Portugese pgm (Hermann 2/24).
- 7390 USSR R. Moscow; 0005-0130 Spanish News on Nicaragua, ID, etc. (Leffler, Hermann).
- 7400 USSR R. Kiev; 0330* English talk and identification (Torsay 2/7).
- 7400 USSR R. Moscow; 0132 Spanish with news program & commentary (Leffler 2/27).
- 7400 USSR R. Vilnius; *2300 English news, International Diary, ID, etc. (Sillings 1/23).
- 7412 ISRAEL IBA; 2010 English talk on Zionism (Hermann). *2230-2300* English ID, News, Round & About (Edelstein, Rippel, Fraser, Blaise).
- 7420 USSR R. Rodina; 2330 Russian tlk, music, ID, cmntry, etc. (Hermann 2/24).
- 7420 USSR R. Moscow; 2110 Portugese talk about the Neutron Bomb, ID, mx (Hermann 2/27).
- 7440 USSR R. Moscow; 0133-0211 English cmntry on the SALT talks (Hermann, Leffler).
- 7465 ISRAEL IBA; 0446 Hebrew "B" Domestic Svc w/talk & discs (Brookwell 2/1).
- 7470 VIETNAM VOV (Hanoi); 0022 Vietnamese talk with stringed & flute mx (Cannon 1/15).
- 7500 AUSTRALIA VNG Time Station; 0828-0953 English ID & time pips (Morch, Hermann).
- 7512 VIETNAM VOV (Tay Nguyen); 1200 Vietnamese talk & music (Zilmer 2/28).
- 7550 UNIDENTIFIED; 1522 Possible Korean talk, flute mx, etc. (Poppin 2/15).
- 7650 USA VOA (Greenville); 0245 w/two pgms at same time (Russian & German). Feeder pgm to Munich (Hermann 2/25, Goodman 2/8).
- 8000 JAPAN JYJ Time Station; 0858 Time ticks & ID by female saying JYJ (Morch 3/6).
- 9022 IRAN VOI; 0135 Farsi program (Leffler 2/27).
- 9064.2 CHINA R. Peking; 0111 Chinese talk & revolutionary mx (McLaughlin).
- 9169.8 CHINA R. Peking; 1037 Chinese talk to Taiwan (McLaughlin).
- 9360 SPAIN RTVE; 0137-0427 Spanish talk by man & woman, mx (Leffler, Tiers, Bryan).
- 9390.3 CHINA R. Peking; 1246-1255* Chinese talk, childrens choir, International (McLaughlin).
- 9420 KOREA (NORTH) R. Pyongyang; 0000-0100* Spanish tlk w/Korean mx (C.Sherman, Bogel) 0840 EG cmntry (Jordan). 1200-1359 Spanish talk & mx//6770 (Zilmer, McLaughlin). 1400+ Korean ID, Orchestra mx, and news (Bryan, Thompson).
- 9425 ISRAEL IBA; 2051-2055* French ID (Hermann). 2245 EG Voices from Israel (Swanson).
- 9435 ISRAEL IBA; 2000 EG News (Jordan, Torsay). 2215 FR tlk (Rippel). *2230 EG News (Fraser)
- 9435 NUMBERS STATION; 0831-0843* Spanish 5-digit numbers by a female (Hermann 2/28).
- 9450 USSR R. Moscow; 0139 Spanish talk on US relations with Panama (Leffler 2/27).
- 9455 EGYPT R. Cairo; 0430-0517 Arabic news, Western music (Earhart, Brookwell, Bryan).
- 9470 USSR; 0612 Russian w/Home Service (Mayak). Orchestra mx, Russian talk, etc. (Earhart).
- 9475 EGYPT R. Cairo; 2108 Arabic talk on Somalia, etc. (Hermann). *0200-0329* English news, cmntry, mailbag, etc. (Hancock, Sillings, Torsay, Phillips, Hascall).
- 9480 ALBANIA R. Tirana; 2005 English news (Bunce). 2205 English nx & ID (Yacono).
- 9485nf ALBANIA R. Tirana; 1858* EG talk by woman. Listed on 9480. Fair (Lobdell 2/4).
- 9500 LIBYA PRB; 0012 V. of the Arab Homeland pgm in Arabic w/talk & mx (Brookwell 2/25).
- 9505 SWEDEN R. Sweden; *0030-0100* English nx & cmntry (Cucura, MacKay). 0107 Swedish pgm (Bogel). *0230 English ID, nx, mailbag (Grenier, Yacono, Baum).
- 9505 DOMINICAN REPUBLIC R. TV Dominicana; 2153 Spanish news, ID, etc. (Lobdell).
- 9510 TAIWAN VOF; *0900 Mandarin w/IS, ID to Korea & Japan (MacKay 2/19).
- 9515 URUGUAY SODRE; 0216-0256* Spanish talk & music. NO EG pgm heard (Clark 1/11).
- 9515 MALAYSIA R. Malaysia; 1525 Unid. language tlk, orchestra mx, etc. (Poppin 2/13).
- 9515 UGANDA UBC; 1640-1650* English ID and African music (Wallace 2/17).
- 9515v PERU R. La Cronica; 0140 SP ID (Howard). 1110+ SP ID, Nx & mx (C.Sherman, Jones).
- 9515 TURKEY VOT; 0435 Turkish tlk & mx (Bryan). 2130-2239 English ID, News, DX News, cmntry on Somalia-Ethiopia war, etc. (Pyatt, Flambeck, Hynes, Reed, Earhart, Yacono, Pappas).
- 9520 PAPUA NEW GUINEA NBC; 0720 EG ad for Peanut Buller, mx (Hancock 3/4). Torsay, Sillings).
- 9520 SPAIN RTVE; 0840 Spanish ID and Ballads (McLaughlin).
- 9525 CUBA RHC; 0700 English news by man & woman (Hancock 3/4).

- 9525 INDIA AIR; 1745 English ID & nx (Lister). 2045-2130 English ID, cmntry, sports, mailbag //11620 (Desrosiers, Roberts, Sillings, Richardson, Pappas, Torsay).
- 9525 POLAND Polish Radio; 0231-0327* English ID, cmntry on Poland (McMullen, Tiers).
- 9530 BULGARIA R. Sofia; 2130* EG ID, News, talk about contest (Yacono, Torsay, Pappas).
- 9530 GREECE VOG; 1945 German news program (Torsay 2/21).
- 9530 JORDAN HKBS; 1915 English news. 1931 French talking (Hutchins 2/11).
- 9530 SWITZERLAND SBC; 1105 English talk about Historic Alp Climbers (Prath 2/19).
- 9535 CANADA RCI; 0100 EG ID & nx (Reed). 0200 EG pgm (Gallagher, McCants).
- 9535 SWITZERLAND SBC; 0710 English nx (Fumelli). 1744-1801* Arabic tlk & mx (McLaughlin).
- 9540 AUSTRALIA R. Australia (Shepparton); 0802 EG News (Hermann). 1125 EG tlk (Prath).
- 9540 CZECHOSLOVAKIA R. Prague; 0125 English talk on US violations of Human Rights (Bunce).
- 9540 POLAND Polish Radio; 1730 German nx (C. Sherman). 1915 German ID & talk (Torsay).
- 9545 MONTERRAT DW; 0130 English news & reports (Taylor 2/20).
- 9550 UZBEK SSR R. Tashkent; 1330 Unidentified lang w/talking (Wallace 2/5).
- 9560 CHILE V. of Chile; 0155 English ID & cmntry (Bogel). 0245 Spanish program (formerly on 9566) (Hauser). 2330 English cmntry on Chile Political history (Zilmer).
- 9560 AUSTRALIA R. Australia (Carnarvon); 2055 IS, ID, Indonesian pgm, etc. (Berezowski).
- 9560 JORDAN HKBS; 1650 English news, ID, music (Bonanza theme), weather (Desrosiers).
- 9560 PHILIPPINES VOA (Tinang); 2300 Chinese program w/Philippine ID in EG (Hywarren).
- 9560 SWITZERLAND SBC; 0715 English pgm (Fumelli). 0903 English news by man (Burke).
- 9570 AUSTRALIA R. Australia (Shepparton); 0841 English ID, pop music (Tiers 2/17).
- 9570 QATAR QBS; 1310-1429 Arabic talk, ID & Mid East mx (Cannon, McLaughlin, Rippel, Gavaras).
- 9570 UNIDENTIFIED; 1138 Spanish talk mixing w/Chile. Seemed to be either a YV/HJ outlet. Noted RNE Spain on 2/5 (Lobdell 1/31).
- 9575 INDIA AIR; 1337-1445* Vernaculars w/ID, talk, Indian mx, etc. (Godfrey 2/25).
- 9575 ITALY RAI; *0100-0120* English ID, News & music (Fraser, Cucura, Reed, Bryan).
- 9580 AUSTRALIA R. Australia (Shepparton); 0835-1250 English ID, Australian Profile, news, pop music, etc. (Byron, Matthew, Prath, Fraser, Cucura).
- 9580 USSR R. Moscow; 0434 English talk about the Coal strike in the USA (Tiers 2/13).
- 9585 BRAZIL R. Excelsior; 0840 Portuguese w/Disco format & English pop mx (D. Johnson 2/5).
- 9585 HUNGARY R. Budapest; 0200 English news, cmntry, Question & Answer pgm (Burke 2/5).
- 9585 SOMALIA R. Mogadishu; 1950 Somali talk & martial mx (Roberts 2/25).
- 9585 SOUTH AFRICA RSA; 1955 French ID (Tiers). *2100 English w/South African Panorama (Sillings). *2230-2320* English ID, Saturday Night RSA (Yacono, Thompson, Cucura).
- 9585 JAPAN R. Japan; 1429 English ID, freq's, address, etc. (Bryan 2/23).
- 9590 MONTERRAT DW; 0142 English w/Current Affairs Magazine (Berezowski 2/8).
- 9590 NETHERLAND ANTILLES R. Nederland; *0230 English news, cmntry, Studio Six (McCants, Hancock, Desrosiers). 0451 Dutch tlk & sport scores (Bryan). 0600 EG Letter Box (Byron).
- 9590 NORWAY R. Norway; 2100 Norwegian Identification & talk (Planbeck, Yacono).
- 9590 PHILIPPINES R. Veritas; 1400+ English News & read letters (Bryan, Lobdell, Jordan, Taylor)
- 9590 SWEDEN R. Sweden; 2300 English news, mailbag//9605, 9695 (Zilmer 3/5).
- 9595 JAPAN NSB; 1440-1615 Japanese w/English lessons & talk (Berezowski, Bryan).
- 9600 UZBEK SSR R. Tashkent; 1200+ English talk on Nuclear Arms race, music, etc. (Yacono, MacKay, Earhart). 1421 English talk about Central Asia (Desrosiers).
- 9605 SWEDEN R. Sweden; 2302 English news and music (Woltman 2/12).
- 9605 FRANCE RFI; 1725-1756 English news & music into French pgm (Lister, Tiers).
- 9605 JAPAN R. Japan; 1801 German Identification and talk by a man (Tiers 2/19).
- 9605 VATICAN STATE Vatican Radio; *0100-0115* IS, English ID, News, religious talks. (McCants, Bogel). 2032-2045* English religious news & ID (Sillings).
- 9610 AUSTRALIA ABC (Perth); 1330-1455* English ID, News, Weather, Musical Requests, etc. (Thompson, Cohen, Hascall, Cucura, Goodman, Desrosiers, Weinhold, George).
- 9615 MOROCCO RTVM; 0043 Arabic with chanting type music (Bryan 2/28).
- 9620 YUGOSLAVIA R. Yugoslavia; *2200 English nx & cmntry (Earhart, Prath, Pappas, Word).
- 9625 VATICAN STATE Vatican Radio; 0725 French nx followed by EG, Italian, SP pgm (Fumelli).
- 9630 CHILE R. Agricultura; 1034 Spanish news, ID, TC & U.S. Pop music (Jones 3/7).
- 9630 PHILIPPINES VOA (Tinang); 1449 Indonesian w/ID & talk about Marcos (Bryan 2/23).
- 9630 SPAIN RNE; 0459 Spanish ID and s/off (Bryan 2/12).
- 9635 SINGAPORE R. Singapore; 1100 Chinese talk with Native music (C. Sherman 2/6).
- 9640 GUAM KTRW; 1055 Unidentified language w/very weak signal (Burke 2/5).
- 9640 USSR R. Magallanes; 0159 Chime IS (unlike that of Peace & Progress) into Spanish pgm for Chile w/news, propaganda & mx. (Gavaras 3/7).
- 9640 KOREA (SOUTH) R. Korea; 1012-1030* English w/mailbag pgm (Morck). 1350 ID in English w/talk in lang (Alexander). 1453 Chinese talking w/Korean music (Bryan).
- 9645 BRAZIL R. Bandierantes; 0104 Portuguese talk w/mention of Sao Paulo (Tiers). 0855 Portuguese with country carnival mx. Echo & warbled modulation (No name 2/5).
- 9645 FINLAND R. Finland; 2300 English news and music //11735 (Zilmer 3/5).
- 9645 VATICAN STATE Vatican Radio; 2030 English news & religious talk (Prath 2/20).
- 9650 SEYCHELLES FEBA; 0310 IS, English ID into religious pgms (Baldwin 3/2).
- 9655 COLOMBIA R. Nacional; 0330 Spanish talking with Classical music (Byron). 1200 Spanish ID, music, talk on history, etc. (Jones).

- 9655 KOREA (SOUTH) R. Korea; 1141-1156 English w/answers to listeners letters (Clark).
- 9658 THAILAND R. Thailand; 1058 English pgm to S.E. Asia. Talked about U.S. commitment to Asia. Opens & closes w/mx on wood flute & trumpet (Clark).
- 9660 VENEZUELA R. Rumbos; 0830 Spanish IDs and L.American mx (Jordan). 1115-1230 Spanish Identifications w/LA pop music (Onken, Prath).
- 9665 MALAYSIA R. Malaysia; 1504 English talk about aviation, etc. (Bryan 2/23).
- 9670 AUSTRALIA R. Australia (Shepparton); 1510-1600 English ID and talk about Terrorism in Australia (Plambeck 3/4, Bryan 2/23).
- 9670 JAPAN R. Japan; 1634 English news and current topics (Grenier 2/18).
- 9670 PORTUGAL AWR; 0709* English with end of English program, hymns, clock chimes into French pgm (Onken). 1810 (IBRA) English ID & Evangelistic programming in various languages (Wallace). 2010 (R. Trans Europe) German religious pgm into English ID (Desrosiers). 2100 (AWR) French with DX pgm and religious mx (Cohen 2/20).
- 9675 BRAZIL R. Diario de Manha; 0817* Portugese ads for Volkswagon, TC, IDs, mx. (Pappas 2/25, Sapoznikow 2/25).
- 9675 POLAND Polish Radio; *0630-0700* English with news, Panorama, cmntry on Neutron Bomb, etc. (Dawson 2/10, Sillings 2/19).
- 9675 PERU R. del Pacifico; 1110 Spanish with religious music, sermon, chimes, IDs, etc. (C.Sherman 1/20, C.Hoffman 2/16).
- 9680 AUSTRALIA ABC (Melbourne); 1300 English w/time pips & News. Very weak (MacKay 2/26).
- 9680 LEBANON R. Lebanon; 0157 Arabic talking & pop music. ID (Osterman). 0223 French talking w/chanting (Greenes). 0230-0300 English ID, News, and 60's pop music (Richardson, Bishop, Greenes).
- 9685 BELGIUM BRT; 0029 English talk about Belgium (Tiers 2/18).
- 9685 CUBA RHC; 0125-0440 English ID, cmntry on Chile, From the Land of Music, contest, etc. (Cucura, Gallagher, Sillings, Jordan, Swanson).
- 9690 ARGENTINA RAE; 0322 English w/Tango mx, ID & News (Hancock 3/2).
- 9695 SWEDEN R. Sweden; 2300-2330 Swedish w/ID, cmntry, mailbag/9605 (Cohen, Bohlke). 0054 Portugese talking w/Swedish accent (Bryan).
- 9700 RWANDA DW; 0104 German news about Carter, Arafat, etc. (Bryan 2/28). -I have Germany listed as transmitter site (editor)-
- 9700 SWITZERLAND SBC; 0245 German news, cmntry, talk about Sadat (Torsay 2/7).
- 9705 ALGERIA RTVA; 1028 Arabic talking with music (McLaughlin 1/24).
- 9705 INDIA AIR; 1135 English transmission with news program (C.Sherman 2/6).
- 9705 PORTUGAL(?) RFE; 2335 Czechoslovak talk on Egypt, USSR, USA, etc. (Hermann 2/22).
- 9710 ITALY RAI; *2229 Italian program (Pappas 2/13). 0042 Italian program with music. 0100 Spanish program w/ID (Cucura 2/27).
- 9710 SOUTH AFRICA Springbok Radio; 0610 English with ads for Pall Mall (Gallagher 2/20).
- 9715 HOLLAND R. Nederland; *2130-2220* English with Newsblock (Fraser). 0550 English with DX Juice Box (Woltman). *0830 English Newline w/talk on Neutron Bomb (Hermann).
- 9715 CANADA RCI; 0110-0130* French w/ID, Sports, press review, etc. (Golkin 3/6).
- 9720nf IRAN VOI; 0058 IS, ID, News, local mx//9022 (Sapoznikow 3/8).
- 9720 KOREA (SOUTH) R. Korea; 1758-1829 English Program w/IS, ID, Freqs, news, cmntry on Korea's relations with non aligned countries (Thompson 2/11, Gavaras 2/18).
- 9720 SRI LANKA SLBC; 1255 English ID & mx (Greenes 2/10). 1845-1945 English w/Test Transmission, requests for mail, ads, etc. (Frajter 1/14).
- 9720 USSR R. Moscow; 1811-1830* German transmission with ID (Hermann 2/21).
- 9725 BURMA BBS; 0536-0600 English talk about Roses & Shakespears quote, Weekly magazine program, mx, news, ID & time beeps at 0600 (Burns 3/4).
- 9725 SWITZERLAND SBC; *0145-0215* English w/Dateline, news, ID, etc. (Cucura, Hermann, Matthew, Gallagher). 0245 German news & mailbag (Torsay).
- 9730 GERMANY (EAST) RFI; 0100-0130 English news, cmntry, mailbag, etc. (Sapoznikow, Dawson, Burke, Berezowski, Plambeck).
- 9730 USSR R. Peace & Progress; 1234 English program w/Diatribes against China (MacKay).
- 9730 USSR R. Moscow; 1800 IS, Slavic language w/ID, cmntry on Czechoslovakia (Hermann).
- 9730 SAUDI ARABIA BSKSA; 2125 Arabic ID "Iza'at Al Mamlakat' Al-Arabiyyah As-Saudia Min Ar-Riyadh" more music. Fair signal w/QRM (Roberts 2/25).
- 9730 UGANDA UBC; 2030-2100* English w/news, sing-along pgm of African songs, local Ugandan group that plays C&W music, Math lessons, etc. (Lobdell, R.Smoth, Bohlke).
- 9735 GERMANY (WEST) DW; 0126 German with classical music, ID (Bryan).
- 9735 RWANDA DW; 1515 IS, French s/on with news program (Bryan 2/23).
- 9740nf EGYPT R. Cairo; 0200 Arabic vocals and talking by a lady. Then played R. Cairo theme music (used for North American Service). Good signal (Hywarren).
- 9740 MALAYSIA BBC; 1525 English cmntry on life then & now (Bryan 2/23).
- 9745 CAMEROON R. Yaounde; 0503-0647 English mx, cmntry on National Sports (Phillips, Wallace)
- 9745 ECUADOR HCJB; 0931 English show called "Old Fashioned Melodies" (Tiers 2/22).
- 9745 IRAQ R. Baghdad; *1930 French w/IS, ID, Music & News (Wallace, Golkin). 2045 German news (Torsay). *2130-2225* English News (anti American-Israeli), cmntry, etc. (Roberts, Birkhauser, Phillips, Hermann, Torsay, Ricchezza, Hutchins, Bohlke, Byron, Dawson, Cucura, Jordan, Sillings). 14 Reporter;

- 9745 SWEDEN R. Sweden; 0230 English w/Saturday Night Show (Zilmer 3/5).
 9750 CHILE R. Minería; 0105 Spanish Futbol w/ID (Brookwell). 0305* SP ID & s/off (Keryon).
 9750 LIBERIA VOA; 0620 French ID, mx & mx. Between this station & WYFR, I have no hope of extracting Yaounde out of this mess. How do those other guys do it? Yes, I've tried at other times too. (Levesque 2/20). -You are not alone, Diane! (editor)-
- 9750mf USA KGEI; 1000 New frequency for English pgm (Hauser 3/5).
 9760 AUSTRALIA R. Australia (Shepparton); 0630 EG to Papua New Guinea w/nx (Hancock).
 9760 GREECE VOG; 0020 English news read by a YL (Prath 2/21).
 9760 PHILIPPINES VOA (Tinang); 1532 English talk about training for Olympics (Bryan).
 9765mf BULGARIA R. Sofia; 2130 English sked, ID, National news. (Cohen 2/19).
 9770 GREECE VOA (Kavala); 0506 English talk about Salt, etc. (Bryan 2/12).
 9770 EGYPT R. Cairo; 1538 Swahili w/ chanting & male announcer (Bryan 2/23).
 9770 AUSTRIA ORF; 0130 English news, Austrian weather, sports, etc (Ihnat 1/24).
 9780 KAZAKHSTAN SSR R. Alma Ata; *0000 IS, Bells, Soviet Anthem, Kazakh anthem, ID in Kazakh & News. (Brookwell 2/15, Sapoznikow 3/8).
- 9780 YEMEN ARAB REP. R. San'a; 1911-2050 Arabic ID, mx & tlk (Lobdell, Zilmer, Richardson, Hutchins). 0502 Arabic w/full ID by woman & local music (Pappas).
 9790 USSR R. Moscow; 2144 English cmntry, Russian by Radio, ID. To Great Britain, (Hermann)
 9805 EGYPT R. Cairo; 2000 Arabic pgm. Not//9850 (Zilmer). 2020 German pgm (Flambeck).
 9815 ISRAEL IBA; *2230-2300 English ID, News, cmntry on breakdown of piece talks, etc. (Sillings, Yacono, Bogel, McCants, Pappas, Ricchezza).
 9835 ISRAEL IBA; 0500 Hebrew talk & News. Listed for English here! (Zilmer 3/6).
 9850 EGYPT R. Cairo; 0440 Arabic ID, local mx (Pappas). 1930 Arabic interviews (Zilmer). 2215-2245 Arabic music, Dramatic production, etc. (Ricchezza, Hermann).
 9900 CHINA R. Peking; 0025 Chinese talk by woman (Desrosiers 1/15).
 9912 INDIA AIR; 1708 Persian news program (Bryan 2/28). 2130-2229* English talk about sports, industries & Indian music (Torsay 2/16, Hermann 2/22).
 9920 CHINA R. Peking; 1200+ English news and cmntry (MacKay 2/26, Zilmer 3/1).
 9940 CHINA R. Peking; 0105 English news & talk about Taiwan & Africa (Cucura 3/1).
 9977 KOREA (NORTH) R. Pyongyang; 0500 English w/Patriotic mx (Bryan). 1145 English talk about war games in S. Korea, Orchestra mx (Saylor). 1220 English talk on Unions (MacKay). 1213 English news & ID (Earhart). 2018 talk in lang w/Oriental music. (Tiers). 2225 Korean talking w/flute music (Hermann). 2300-0000+ English news and talk on unifying Korea (Olson, Roberts, Cohen, Matthew).
- 10000 CHINA BPV Time Station; 0000 heard under WWV w/14 full Morse Code IDs with in first minute of hour. (Edelstein 1/1).
 10040 VIETNAM VOV (Hanoi); 1000 English news (Morck). 1416 Chinese talking (Bryan). 1702 Vietnamese talk (Grenier). 1820 English cmntry (Berezowski). 2053 English ID & Vietnamese music (Sillings).
 10224 VIETNAM VOV (Hanoi); 1300 Vietnamese talk & music //7417 (Zilmer 2/26).
 13335 INDIA AIR; 1505+ Vernaculars (believed Hindi) w/Indian music & male announc. (Godfrey)
 11375 CHINA R. Peking; 2355 Unidentified language into s/off (Prath 2/21).
 11531 KOREA (NORTH) R. Pyongyang; 1734 Arabic talk & classical mx (Brookwell 2/9).
 11600 CHINA R. Peking; *1300 language (sounds Indonesian) EIR & talk w/IDS (McLaughlin).
 11600 USSR R. Moscow; 1454 Chinese type lang w/zitar mx, talk & IS (Sarrazin).
 11620 INDIA AIR; 1225 English sked & weather (Bunce). 2030-2140 English news, cmntry, ID, music (Leffler, Richardson).
 11630 EGYPT R. Cairo; 0002 Arabic mx & chants (Prath). 1324 Arabic talking & mx (McLaughlin) 2150 Arabic music w/male vocal (Leffler). 2330 Arabic singing & talking (Earhart).
 11630 USSR R. Moscow; 2339 Spanish news about US involvement in S.America (Hywarren).
 11650 BANGLADESH R. Bangladesh; 1450 Unidentified language w/talk. Bad QRN! Weak signal (Sarrazin). -did you hear an ID? (editor)-
 11650 CHINA R. Peking; 0015 English news & cmntry (Desrosiers, Prath). *1300 English news, commentary & music (Weinhold, McLaughlin).
 11655 ISRAEL IBA; 2230 English news & listeners corner (Grenier, Zilmer).
 11672 PAKISTAN R. Pakistan; *1330 Urdu talk, ID & local mx (Zilmer, Godfrey). 1612-1615* Dictation News in English (Wallace).
 11690 USSR R. Moscow; 0450 English. Answering letters, Moscow review (Earhart 2/12).
 11690 USSR R. Vilnius; 2320-2330* English talk by man & woman. Fair signal (Lobdell 2/2).
 11700 DOMINICAN REPUBLIC R. Clarin; 2145-2200 English w/Rudy Espinal talk about Glenn Hauser (Leithner, Sillings). 2152 Spanish talk & music (Leffler). 2300-0000 English w/Rudy Espinal. "This is Santo Domingo" Reports from listeners from all over the world (Bunce, Leithner, Keryon, Levesque, Fraser, Prath, Stroh, Jones, MacKay, Weinhold). 0014 Spanish talking (Bryan). - 0207 Spanish ID & News (Cucura).
 11700 LIBYA PRBS; 1723 Arabic talking & music (Bryan). 2000 Arabic music and speeches in between (Levesque).

Thank You to all who reported this month! A lot of reports were sent in this month Remember that all reports to the Log Report Sections should be sent to our Distribution Editor! Until May, 73, *Tom*

log report section



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APRIL, 1978

This month the incredible total of 864 loggings were sent in to "D" Section. It would help if everyone could limit his or her reports to the ten or so best ("interesting") loggings. I won't mention names, BUT I do hope Irving Leffler and Josephine Bryan read these words, hi guys! However, since we have only so much space here it means that many items just have to be passed over, either because they are "repeats" from prior issues or just not all that interesting compared to some others: "RCI, 15325 -- nx" just is not news! When many people report the same thing, though, and it is a repeated item, a joint credit such as "8 reporters" is intended as at least partial acknowledgement, rather than omit it altogether. Let me reassure everyone that I really appreciate receiving every item, and I read and study every one. I agonize over the selection process! Enough.

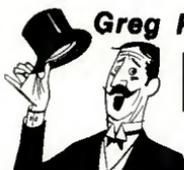
- 11535 KOREA N. R. Pyongyang; 0030-0035 EG, Korean operatic mx, ID & cmtry; not heard until ute off 2320; //9977 (Roberts-MAN 2/20).
- 11705.1 CHILE VOG; 0145-0430 EG/SP/FR, Chile's history (5 reporters).
- 11705 FRANCE RFI; 1706 EG, "Paris Calling Africa" (Verneti 3/3).
- 11709.7 ARGENTINA RAE; 2300-2346 EG to N.Am. (7 reporters).
- 11710 NEW CALEDONIA R. Noumea; 0640-0645 FR, light mx, TC (Roberts 2/26).
- 11715 USA WINB-Red Lion; 0254-0259 EG/SP, rel pgm in English but man gave ID in SP at 0259! (Burke-FL 2/15). Obviously tongues, hi -ed.
- 11725 PHILIPPINES R. Veritas; 2215 unid lang, Western and local Asian rel mx and sermon; poor; QRM VOA 11730 (C.Hoffman-PA 2/10).
- 11735NF FINLAND R. Finland; 2300 EG, nx, mx; poor; //9645 (Zilmer 3/5).
- 11740NF SEYCHELLES FEBA; 1710-1725 EG, children's chorus w/hymns, 1715 IS, musical interlude and into Somali pgm; good (Roberts 2/25); 1722 w/IS only, covered by RN IS at 1725; QRM from RFI on 11745; poor (Hutchins 2/21); 1845 Arabic, s/off IS; good (Bryan 2/19).
- 11740 SPAIN R.E.E.; *0800 SP, strong; //9520; QRM Australia (Mackay 2/19).
- 11740 SWITZERLAND SBC; 0727 EG into IT; good (Cohen-NJ 3/3).
- 11740 VATICAN VR; 0640-0700* Latin Mass (Pickard-IL 2/15).
- 11745 SRI LANKA VOA-Colombo; 0303-0320 EG, "Breakfast Show" (Burke 2/15).
- 11755 FINLAND RF; 1435 FN, w-m-nx /sig7; very good (Bryan 2/24).
- 11755 LEBANON R. Lebanon; 2050-2058 AR w/ID by man, local mx (Pappas 2/14); 0030-0101* SP, nx by M&W, ID, Spanish music at 0045; cmtry on Lebanon upheaval; good (Burke 2/17); 0047-0051 SP, slow-speaking W, guitar mx, weak signals (Sarrazin nd).
- 11755 SEYCHELLES FEBA; *0305 Parsi, IS & opening anmts, M.E. string mx, sermon to 0340* s/off; good (C.Hoffman-PA 2/11); 0308 IS & ID's (Baum-FL 2/26); 0330-0340* FS, rel pgm with much singing; IS, ID at s/o at 0340*; strong, excellent E.Afr. night (Mackay 2/15).
- 11760 GREECE VOG; 0420 GK, mostly Greek mx; medium to strong, way over co-channel RHC; //9760 (Mackay 2/15).
- 11770 AUSTRALIA RA; 1809-1835 EG to UK, "National News", "Business Report" (Pappas 2/15, Flambeck 3/4, Richardson 2/19, Cohen 2/19).
- 11770 NIGERIA VON; *0555-0720 EG, "Africa This Week" at 0600; ann'd 7275 & 15120 but not 11770; strong (Mackay 2/19); 0630-0700 EG, pgm on medical research (Pickard 2/20); 0650 lively African mx & feature on polygamy in Nigeria ("It increases the economy") (Frajzer 2/19); 0652-0700 EG, hi-life mx, program preview (Roberts-MAN 2/26).
- 11775 USA WINB; 2108-2135 EG, "Southwest Radio Church" (McCants 2/16, Hascall 2/8). Try to abbreviate "Southwest Radio", hi. -ed.
- 11780 BRAZIL R. Nacional; 0315 PT, pop mx with W ancr (Grenier 3/3).
- 11780 NEW ZEALAND RNZ; 0537-0703 EG, "National Pgm" relay (6 reporters).
- 11780v KOREA N. R. Pyongyang; 0440-0455 KR, Korean mx & ID (Hancock 3/1).
- 11780 SWITZERLAND SBC; 0700 EG, \$US vs. Swiss Fr. (Byron-NY 2/20).
- 11785 USSR RSP&P; 1305 EG, M with nx & ID (Cucura 3/1).

- 11790v INDONESIA VOI; 1410 EG. nx by M ancr with accent, ID (Greenes 2/18).
 11790 SOUTH AFRICA SABC; 0645-0715 EG, "Indian Music Pgm" with Indian-accented DJ (Mackay 2/19). Domestic relay -ed.
- 11790 USSR RSP&P; *1306+ EG (Weinhold nd). Details? Date heard? -ed.
 11800 CHILE VOC; 2210 EG, about women in Chile; fair (Zilmer 3/5).
 11800 NETH. ANTILLES TWR; 1205 EG, nx; fair (Zilmer 2/24).
 11800 PORTUGAL RP; *0800 PT, with NA, s/on, news; strong (Mackay 2/19).
 11800 SEYCHELLES FEBA; *0400-0715+ EG/unid lang, religious (7 reporters).
 11800RF SOUTH AFRICA R. RSA; 2230 EG to N.Am., //9585, 11900, 15155 (Zilmer 3/5). Springbok Radio; 2000 EG, world nx at 10:00 PM, wx, ads, mx tune twisters, drama, then mx requests with some Afrikaans; fair (Zilmer 2/27). Cf. 25790 -- perhaps some kind of test? -ed.
- 11800 SRI LANKA SLBC; 1632-1654 sub-cont. mx, singing ad for "Tico", ID in EG (Poppin 2/24); 1725-1731* HD, Hindi Svc. w/Hindi mx, ID, National Song to 1731* (Roberts 2/25); 1904-1945* EG, test xmsn to Africa (1845-1945); good (Berezowski nd); 0030 HD (Lobdell 2/27).
 11805 BRAZIL R. Globo; 0024-0130 PT (Bryan 2/27, Grenier 3/5, Cucura 3/1).
 11810 CHILE VOC; 0200-0400 EG/SP about Chile (Sahnou 2/28, Bryan 2/12).
 11810 PHILIPPINES FEBC; 0010 EG, about US TV (Greenes 2/8).
 11815 SPAIN REE; 2332-2355* SP, clear ID with IS mx at s/o (Earhart 2/25).
 11820 NEW ZEALAND RNZ; 0715-0850 EG (Berezowski 2/16, Petravich 2/7).
 11830 LIBERIA ELWA; *0630 with IS & ID's in EG/FR into lang (Mackay 2/19).
 11835 SRI LANKA SLBC; 1114-1132* EG, end of "Radio Monitors Int." then interview with American author; weak (Mackay 2/26).
 11835 URUGUAY R. El Espectador; 2350 SP, futbol & mentions of Uruguay (Taylor 2/21+); 0042 SP, "Candy Man Can" song (Bryan 2/14).
 11835 VATICAN VR; 1525-1529* EG "Scripture For The Layman" (Ponder 2/18).
 11840 ECUADOR HCJB; 0530-0640 EG, interview with Reg Kennedy of BBC's World Radio Club, "Passport"; good (Byron-NY 2/16).
 11840 SEYCHELLES FEBA; *0339-0420+ AR, religious pgm with chants by W (Pappas 2/21, Roberts 2/7).
 11845 SWEDEN RS; 2105-2130 EG (Plambeck 3/4). Program details? -ed.
 11850 PHILIPPINES FEBC; 0948-1000* EG, rel pgm "Australia Calling" and mentioned KGEI on 5980; fair (Osterman 3/5).
 11850 PARAGUAY? R. Asunción (t); 2225-2245* SP, M&W talk, song for kids, jazz piano; slow solemn anthem and off (Osterman 2/27).
 11850 SWITZERLAND SBC; 2100-2130 EG into GM, nx, cntnts, mx (Torsay 2/21).
 11854.7 SAUDI ARABIA BSKSA; *1900-2005 EG magazine (6 reporters).
 11855NF SWEDEN RS; 0230 EG, Saturday show; fair; ex-11850 (Zilmer 3/5).
 11860 LIBERIA ELWA; 2050-2115 EG, rel mx followed by Dr. Howard L. Jones' "Hour of Freedom" with USA address given (Jordan 2/26).
 11860 NORWAY RN; 2200 EG, Norway news and views; fair (Zilmer 3/5).
 11870 SRI LANKA SLBC; 1845-1905 EG, test xmsn to E.Afr. with requests for reports, lite & pop mx, ann'd //9720, 15120; fair (Roberts 3/5); 1902-1913, DX pgm on relay stations, thanks go to Jim Roberts for this tip (Sapoznikow 3/5).
 11880 SPAIN REE; *0100-0400 EG to N.Am., "Panorama" (9 reporters).
 11885 URUGUAY SODRE; 0227 EG w/topics on Uruguay with W host, ID's given, QRM from Spain & WYFR (Onken 2/16). New time for EG broadcast? -ed.
 11895 GERMANY E. RBI; 0330 EG, nx (Torsay 3/2). Sure not 11890? -ed.
 11900 AUSTRALIA RA-Carnarvon; 1624 EG, ID w/"Nx in Brief" (Lobdell 2/18).
 11900 ECUADOR HCJB; 0520-0734 EG, rel pgm (Swanson 3/3, Sillings 2/12).
 11900 SOUTH AFRICA R. RSA; *2100-2150* EG, *2230-2320* EG (8 reporters).
 11906 IRAQ R. Baghdad; 0310-0356* EG to N.Am., cmtry, listeners' letters, contest anmt, "Arabic By Radio", film festival to be held; Iraqi mx (Toray 2/20, Baum 2/26, Mackay 2/15, Grenier 2/21, Burke 2/5, Saylor 3/3, Poppin 2/25, Osterman 2/14); strong to 0350 then het from RAI (Cohen-NJ 3/7).
 11915RF EGYPT R. Cairo; 2100 AR, talk & mx; fair; //12005 & 9475 (Zilmer 2/25). I hear a stn on 11915.6 at this time causing a het to VOA on 11915 -- is it Cairo causing the het? -ed.
 11924 CHILE VOC; 1030 RS, Golos Chily on new freq (Hauser-CA 3/5).
 11925 BRAZIL R. Bandeirantes; 0135 PT, EL mx, ID at 0158 (Bishop 3/5).
 11935 BRAZIL R. Cl. Paranaense; 0115-0132 PT, live sports (Cucura 2/27).
 11935 SOUTH AFRICA Springbok R.; 0710 AK/EG, ads, pop mx; medium/strong (Mackay 2/19). See also 11800 and 25790 -ed.
 11940 REWMANIA R. Bucharest; *1300-1325 EG, mx, "Learn to speak Romanian" beamed to Europe (Cucura 2/18); 1320 EG, Amulet giveaway; into unid lang at 1330 (Dawson 2/8); 1500 EG, nx; fair (Zilmer 2/27).

- 11940 SINGAPORE RS; 1345-1405 EG, "Latin Rythms" (Wallace-JAPAN 2/13); 1615-1630* EG, W ancr, vocals, orch mx, ID (Thompson 3/2); 1620-1632 s/off, gave freqs & added "until tomorrow, goodnight", followed by National Anthem. Signal amazingly clear (Poppin 2/21).
- 11945 LIBERIA ELWA; 0628-0635 AR/EG with ID (Sapoznikow 3/7); 0730* AR, end rel pgm, "Huna mahatwet ELWA fi Monrovia, Lib." (Roberts 2/26).
- 11945 SPAIN REE; *2300 SP with IS, world news; good (Yacono-NY 2/20); 0050 SP, m-w-nx /sic/; fair (Bryan-CA 2/27). More info, Josephine.
- 11955.1 ANGOLA R. Nacional; 0410-0431 PT, hi-life vocals & instrs, M ancr, (v) ID; good (Krueger 2/20); 0530-0533 PT, M&W w/cmtry, mx, ID, and into exercise session; gone suddenly at 0533 (Burke 2/21); 0550-0715 PT, ID at 0618, mostly mx (some African, some Eur); fade from 0640; QRM BBC 0715 (Mackay 2/19). On one night only Israel was here instead of 11960, at 0500 EG; Angola heard beneath (DLW 3/16).
- 11955 PHILIPPINES "R. Veritas Asia"; 1428-1448 EG, on earthquakes & volcanoes; world nx at 1430. Good. (Howard-CA 2/28). Tnx for note!
- 11970 CUBA RHC; 2240-2300 SP, "La Cancion" pop mx pgm (Brouillette 2/27).
- 11980 GERMANY E. RBI; 2000 EG, cmtry & hi-life mx (Richardson 2/19).
- 12005 EGYPT R. Cairo; 1914-2100 AR, Cairo mx & singing; good; //9475, 11915 (Baum-FL 2/9, Bryan-CA 2/24, Zilmer 2/25).
- 12035 VIETNAM VOV; 1815-1820 EG, cmtry on /illegible/ (Wallace 2/10).
- 12085 KUWAIT RK; 1730-2000* EG, rock/pop mx (6 reporters).
- 12095 UK BBC W.S.; 1430-1745 (Fraser 2/12, Bryan 2/24, Torsay 2/21).
- 12130h SPAIN REE; 0202 EG, 2 x 6065, "Spanish Foreign R." (Baum 2/23).
- 12175 ICELAND Reykjavik R.; 1250-1305 Icelandic, ute QRM (Alexander 2/7); 1252 M&W w/light mx, into ute voice marker 1258 (Lobdell-MA 2/26).
- 13492.0 USA VOA dual feeder, RS/GM, 1645 (Hermann 2/28). ISB; fqy:DLW.
- 14670 CANADA CHU; 1944-2000 FR/EG, time pips, ID's (Batson 3/4).
- 15000 ARGENTINA LOL-Buenos Aires; 0023 SP, double beeps first 5 seconds of each minute; QRM WWV (Baum-FL 2/12).
- 15000 JAPAN JJJ; 1330, time pips & Morse ID six times (Yacono-NY 2/21).
- 15008.4 VIETNAM VOV; 1815 EG, W with nx, cmtry; feature pgm of Viet mx & history at 1830 (Bishop 3/4); 1507-1520 JP, beautiful selections of local mx (Sapoznikow 3/4); 2101-2119 EG, local mx with nx, ID's, and talk on Vietnam's economy (Sillings 3/7). Fqy: DLW 3/20.
- 15070 UK BBC W.S.; 1426-1624 (Bryan 2/26, Weinhold nd, Leffler 2/26).
- 15084 IRAN NIRT; 1432-0654 FS, Iranian mx (5 reporters).
- 15100 LIBYA PRBS; 1540-1550 AR, local mx, W ancr (Alexander 2/18). 3/5).
- 15105 FINLAND RF; 1300-1328 EG (5 reporters); 1420: Sun. Best (Swanson)
- 15119 NIGERIA VON; *0555 EG, drums IS, NA,s/on; pgm sked; weak; //7275 is much stronger (Mackay 2/22); 0703-0730 EG, press review and African mx (Pickard 2/15); 1955-2005 FR, lcl Afr. mx (Alexander 2/7); 1930 EG, local mx, W ancr, bad audio; poor (Baldwin NC 2/21).
- 15120 VATICAN VR; 1520 EG, on Rhodesian problem (Yacono 2/21); 1625 unid lang, nx (Greenes 2/8); 1715* EG, last few owrds of pgm; fair (Earhart 2/18); 1950 with prayer in Latin (Torsay 2/15).
- 15129.8 CHILE VOC; 2315-0400 EG/FR/EG/SP/FR etc. (11 reporters).
- 15130 NEW ZEALAND RNZ; 0400-0635 EG, "National Program" (5 reporters).
- 15130 USA WYFR-Florida; 1700-1851* EG, Bible fellowship (7 reporters).
- 15135 AUSTRIA ORF; 1900-2000 GM, sport, aus der heimat (Torsay 3/2).
- 15145 GERMANY E. RBI; 1825 EG beamed to Africa (Prath 2/18).
- 15150.5 CHILE VOC; 2207-2215 EG, about Chile (Birkhauser 2/15); 0030-0045 EG (Ponder 2/12, Woltman 3/6, Prath 2/21).
- 15155 FRANCE RFI; 1450-1510 FR, rock; sports (Yacono 2/21, Bryan 2/26).
- 15160 AUSTRALIA RA-Lyndhurst; 0320 EG, US rock; 10 kw (Greenes 2/20).
- 15160 HUNGARY RB; 1030 EG, on trade unions; rock mx (Verneti 2/13); 1445 GK?, Greek mx; strong; //17785, 21525 (Mackay 2/26).
- 15170 GERMANY E. RBI; 1825 EG, cmtry on Afr. policy; ID, sports report (Cohen 2/20); 1745 FR into 1800 EG, nx & cmtry (Richardson 2/13).
- 15170 USA WINB; 2300-0000 EG, rel pgm, heavy heterodyne (probably from the Brazilian on 15167 -ed) and heard Tahiti QRM (Richardson 2/11).
- 15175 GUAM KTWR; 2200-2259* IN with EG ID at s/off, rel pgm with Indonesian music (Thompson 2/11, Stroh 2/11, Burke 2/8).
- 15175 MEXICO La Voz de l'America Latina; 2000-0100 SP, pop & local mx, beer & tequila ads, sports (Plambeck 2/18, Zilmer 2/25, Roberts 2/20, Yacono 2/21). Still showing up on 15160, too -ed.
- 15190 CONGO RTVC; 1907-2312 FR with EG beginning at 2100 (9 reporters).
- 15195 INDIA AIR; 1100* EG, folk mx, cmtry etc., fair (Lobdell 3/5).
- 15210 EGYPT RC; 2155-2201* AR, segment of Egypt NA (McLaughlin 2/7).

- 15210 FRANCE RFI; 1719-1720 EG, "PCA" (Leffler 2/26, Bunce 2/8).
 15215 PHILIPPINES VOA; *2229 IS, xmtx site anmt; poor; I thought they weren't giving sites anymore (Mackay 3/5). PHIL the 1 exception -ed.
 15215 UK BBC W.S.; 1200, "Radio Newsreel, unlisted frequency; fair (Zilmer 2/23); 1315 -- every now & then I spot BBCWS on this freq, tho they never list in their skeds; from good audio quality I suspect site is UKOGBANI (Hauser 2/25). Query: UKOGBANI? Response: IKOGBANEN.
 15225 TUNISIA R. Tunis; 0800 AR, phone-in show with mx (Taylor 2/26).
 15225 USSR RSP&P; 1630 FR, on African affairs, first time I heard two communists QRMing each other, until Havana's s/off at 1635; my oh my what a mess! Moscow has IS 1655 to 1700 (Levesque 3/10).
 15240 AUSTRALIA RA; 0543-0610 EG, features (Grenier 2/26, Tiers 2/21).
 15260NF AUSTRALIA RA; 0430 EG, an unlisted freq or were they getting a headstart on M78? (Hauser 2/25); 0600 EG, nx & pops (Grenier 2/26).
 15275 AUSTRIA ORF; 1200 GM, nx, sport, mx; into 1230 EG (Torsay 3/2, 2/28); 1230, cmtry on refugees from E.Europe, lite opera mx (Ricchezza nd); 1230 EG is now 15425 (Hauser on DX Digest 3/12).
 15275 GERMANY W. DW; 1730-1750 GM, local politics; NA (Torsay 2/6).
 15291v ARGENTINA R. El Mundo; 0000 SP with full ID, freqs, and "El Mundo" jingles; fair with het & QSB (Hywarren nd); I hear 15289.6 het -ed.
 15300 CHINA R. Peking; 0125 unid lang; poor (Zilmer 3/1).
 15300 JAPAN NHK (R. Japan); 2300-2315 EG, world nx (Hancock 3/5).
 15307.6 GUINEA R. Nationale/V. de Rev.; 1838-2355* FR (12 reporters).
 15310 SWITZERLAND SBC; 0150-0215 EG, "Going Places" (Swiss canton tour) with interviews on watches & music boxes; 0215 SP (Hancock 3/6).
 15315 FRANCE RFI; 1541 FR, sportscast; good (Bryan 2/26).
 15320 AUSTRALIA RA; 2200 EG, nx & cmtry; //15160 (Richardson 2/12); 0315 EG, mx, int. nx (Torsay 2/26); 0358-0405 EG, Ghandi wins, ID, 19mb improving as summer approaches!! (McMullen 2/27); 0400-0410 EG, world news from Radio Australia (Hynes 3/8).
 15325 PAKISTAN RP; 0155 unid lang, sub-continental mx with ID (Sapoznikow 3/8); 0320 Swahili with Pakistan mx; fair (Bryan 2/12).
 15330a BRAZIL R. Gazeta; 0200 PT, ads & ID; het & AFRFS QRM (Bishop 2/17).
 15330NF PINLAND RF; 1300 EG, nx, mx; //15105. Poor (Zilmer-WI 3/5).
 15330 ITALY RAI; 0434 IT, Ktalian mx, ID, nx (Mackay 3/7).
 15335 AUSTRIA ORF; 1830-1855 EG, cmtry, lbx (Richardson 2/11, Bryan 2/12).
 15345 GREECE VOG; 1220 EG by gal into mx; fair (Lobdell 2/6); 1545-1550 GK, Greek folk music, fqy sked, s/off; good (Bryan 2/20).
 15345 ITALY RAI; *2230 IT, bird chirps IS, ID; weak (Mackay 3/5).
 15345 KUWAIT RK; *0500-0536+ EG, W ancr, pop mx, M.E. wx (Mackay 3/8).
 15345 NETH. ANTILLES TWR; 2345-0003 GM/SP, EZ mx (Brouillette 2/24).
 15345 NORWAY RN; 1700-1703 NO to W.Afr., freq sked (Bryan 2/14).
 15345 TAIWAN VOFC; 0100-0125 EG, nx, //15425; good signal but Cuba QRM (W.Smith-MA 2/13); 0323 EG on Chinese weddings (Bryan 2/12).
 15355 PORTUGAL RFE/RL; 1650-1705 CZ, neutron bomb nx (Hermann 2/24).
 15365 AFGHANISTAN RA; 1130 EG with ID, nx, frequent ID's, and cmtry on Egypt; barely audible (Onken 3/5).
 15365 PHILIPPINES United Nations Radio via VOA-Tinang; *0115 with nx events of past week at UN HQ by M ancr; //15270, 17740, 17840; into 0130 VOA Hindu Service after UN s/off (Hardester-OKINAWA 3/4).
 15375NF EGYPT RC; 2115-2200* EG to W.Afr.(?), "Arabic By Radio", nx, "History of Ghana", mx, headlines; fair (Mackay 3/5).
 15380 NEW ZEALAND RNZ; 0250 EG, tennis match, local temperature 20 C, first time I've heard on this fqy (Richardson 2/25); 0330-0345 EG, sport (Torsay 2/24). On 11849.8 with 0527 EG; forgot!(DIW 3/18).
 15385 MEXICO RM/KERMx; 2217-2307 SP, classical organ mx, Bach (Dawson 2/26); 0045 SP, mx (Torsay 2/15); 0100-0130 SP/EG, L.Am. mx with Spanish ID and accented ID in EG (Fick 3/4); 0126 SP, W gave ID; Spanish vocals (Yacono 2/21); 0130-0200 SP, ID & freqs by M at 0130, Mex. mx, acknowledged 2 reports from Japan! (Brouillette 2/20).
 15405 AUSTRALIA RA; 1300 EG, nx -- unlisted; fair (Zilmer 3/4).
 15410 AUSTRIA ORF; 0559-0600 GM with IS & ID (Sapoznikow 3/7).
 15420 JAPAN NHK/ RJ; 0148 EG, on sister cities of Japan (Bunce 2/11).
 15425 SRI LANKA SLBC; 0100 EG, pops a 1'American, Glenn Campbell etc.; 0130 ("7:00 AM") Back to the Bible (Richardson 2/27).
 15425 TAIWAN VOFC; 0100-0157 EG, reports requested (8 reporters).
 15430 SWITZERLAND SBC; 1535 EG, cmtry on human rights (Yacono-NY 2/21).
 15435 AUSTRIA ORF; 2130 GM, nx, cmnt, "Vienna Woods" (Richardson 2/13).
 15435 MALAYSIA BBC W.S.-Tebrau; 0025 "Radio Newsreel" (Cohen 3/5).

- 15435v TANZANIA RT; 1730-1800 EG, nx & cmtry with Namibia primary target; for those with less expensive rigs, this is a "sandwich" station, AFRTS & France being the slices of bread. Thin meat today. (Gallagher 2/17); 1910 EG, nx recorded on tape (Verneti 3/7).
- 15470 USSR RM; 0450-0459* EG to Afr., cosmonauts feature (Mackay 3/8).
- 17670 EGYPT RC; 1417-1810 AR, Arab mx, TC's, drama, fair/good (5 reports).
- 17695 UK BBC; *1430 with IS, ID in EG; into Somali; fair (Yacono 2/24).
- 17710 AUSTRIA ORF; 1215-1220 GM, Austrian Journal, art nx (Torsay 2/10).
- 17720 EGYPT RC; 1745 AR, on Sadat's US visit (Bunce 2/8).
- 17720 FRANCE RFI; 1420 FR, soccer match (Leffler 2/26).
- 17720 USSR RM; 0019 EG, "Viewpoint", USSR transportation (Tiers 2/18).
- 17725 EGYPT RC; 1739 AR, Arab mx, chanting, M ancr; good (Bryan 2/12).
- 17730NF INDIA AIR; *0345-0415* FS?, *0430-0500* AR, unmistakable IS; mostly mx (not Indian); weak; //15185 (Mackay 3/7).
- 17735 SPAIN REE; 1059* SF, with IS on guitar; strong (Mackay 2/26).
- 17740 BELGIUM BRT; 1424 DT, interview (Leffler 2/26).
- 17745 EGYPT 1425 AR, mx (Leffler 2/26).
- 17745v SWAZILAND TWR; 1900-2000 FR, simulated space flight with EG conversation, rel songs, Bach organ mx; fair (Byron-NY 2/16).
- 17770 AUSTRIA ORF; 1830-1854 EG, "Report From Austria" features & magazine (Torsay 3/2, Dawson 2/25, W.Smith 2/9, Yacono 2/23).
- 17780 SOUTH AFRICA R. RSA; 1555* FR with IS at s/off; terrible het from RFI (17775); poor (Levesque-IL 3/10).
- 17790 SWEDEN RS; 1400-1430 EG to N.Am., "Panorama", SCDX (6 reporters).
- 17795 AUSTRALIA RA; 0125-0345 EG, usual pgm (Cucura 2/20, Torsay 2/25, Hynes 3/8, Leithner 3/7, Batson 3/3, Torsay 2/25).
- 17810v PHILIPPINES FBBC; 0040-0045 EG, rel pgm, world news, greetings to listeners (Richardson 3/11, Grenier 2/26, Kenyon 2/11).
- 17815 BRAZIL R. Cult. de Sao Paulo; 0108 PT, operatic pgm (Osterman 2/8).
- 17815 ISRAEL IBA; 1220-1225 EG, Israeli political scene (Earhart 2/22).
- 17825 VATICAN VR; 1502 IS into EG and HD(?) (Earhart 2/18).
- 17830 GUAM KTWR; 0032 EG w/ID, IS, very weak; //17855 (Greenes 2/8).
- 17855 GUAM KTWR; 0010 Vietnamese/EG, choral mx, ID (Bishop 2/26).
- 17870 LIBERIA VOA-Monrovia; 1618-2130 EG (6 reporters).
- 17880 GERMANY E. RFI; 1400+ EG, news, tlk (Torsay 2/17).
- 17880 JAPAN NHK; 0100-0115 EG, //15105 (Richardson 3/1, W.Smith 3/8).
- 17880 PORTUGAL RP; 1705-1830* EG to Africa (5 reporters). 2/7).
- 17885 CUBA RHC; 2015-2130 EG to Eur. (Edelstein 2/6, Bryan 2/12, Youndt 2/12).
- 17890 TAIWAN VORC; 0100-0133 EG (5 reporters); 0320 EG (Burke-FL 2/23).
- 17895 PORTUGAL RP; 1600 EG, ID, nx by M (Kenyon 2/10).
- 18228h HONDURAS La Voz del Junco; 1941 SP, very likely with its often previously heard 3rd harmonic of 6076, M&W in Spanish dialogue; distorted FM carrier (Hauser-OK 2/25).
- 21470 UK BBC W.S.; 1300 world nx; fair; //21710 (Zilmer 3/4).
- 21525 AUSTRALIA RA; *0400 EG with IS, sked; //21680 etc (Mackay 3/8).
- 21530 SAUDI ARABIA BSKSA; 1530 AR with ID in English at 1541, interviews on Afr., a bit of rock mx, cmtry; fair (Levesque 3/10).
- 21555 SWEDEN relay of HS on USB; 1530-1600* SW, sportscast, N.Eur. cities' temperature, anmt mx pgms; sudden off (Fraser 2/5). Your UNID -ed.
- 21645NF FRANCE RFI; 1000-1600 FR, their best fqy here (Limann-VENEZUELA 3/6).
- 21690 ITALY RAI; 1658-1720 IT, fqy, vocals, orch mx (Thompson 2/11).
- 21710 UK BBC W.S.; 1411-1745, usual pgm (6 reporters).
- 21730 NORWAY RN; 1400-1630 EG (Sun.)/NO (Mon-Sat.) (5 reporters).
- 21735 PORTUGAL RFE; 1200-1830, good signals (Limann-VENEZUELA 3/6).
- 23840h IVORY COAST? Snatches of hi-life mx at 1606 point to Abidjan but too much QRM on 11920 at this time to tell (Hauser-TN 2/11).
- 25605 ISRAEL IBA; *1400 Yiddish/Russian, almost daily, not jammed (Zilmer 3/5, Hauser 2/19, Greenes 2/22, Limann-VENEZUELA 3/6).
- 25790 SOUTH AFRICA SABC; 1922+ AK, SAUK (Afrikaans) programming noted here one day only: pop mx, frequent mentions of Caprivi; extremely strong. AK talk after 1930, news at 2000. Top notch signal at first, almost fade-free as only llm can be when at its best; after 2000 fading increased slightly as signal strength weakened — well it might, time being after 2200 in RSA! Music pgm began at 2015, and at next check, 2027, the signal was gone. Checked around 2000 over next few days but no trace of signal. I strongly suspect R. RSA was testing a new 500 kw xmtr (Hauser-OK 2/22). Cf. 11800, 11935 -ed.
- 26040 USA VOA-Greenville; 1515 unid lang, magazine pgm, ID, news; fair (Levesque 3/10); 1600+ EG in African Svc, peaking 1650 (DLW 3/16).



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FRENDX CREDITS

DEADLINE: 12th of Month

A BIG THANK YOU to the 109 reporters this month! Most since the March 1977 issue. Keep it up! There's alot of good DX and SWL stuff around lately.

Brian ALEXANDER, Mechanicsburg, PA (DX-160)...Mike BALDWIN, Asheville, NC
 Robert BATSON, Kansas City, KS (SSR-1)...Ricky BAUM, Gainesville, FL (ICF5900W)
 Rizal BAYSA, Washington, MI...Robbie BEREZOWSKI, Calgary, Alta, Canada (DX160)
 Dean BIRKHAUSER, Wilbraham, MA (DX-160)...Gerry BISHOP, Christiana, PA
 (DX-160)...E.V. "Sandy" BLAIZE, Metairie, LA (51J3)...Bill BOGEL, Santa Barbara
 CA (FRG7)...Dale BOHLKE, St. Louis Park, MN (Zenith Transoceanic)...Larry
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 Dominick YACONO, Brooklyn, NY (Zenith Transoceanic)...Michael YOUNDT, Denver
 CO (HQ-100)...Robert ZILMER, Milwaukee, WI (SPR4/R390A).....

RECEIVED an even mixture of replies to my question 2 months back, in favor & against, so I will include all receivers and antennas when space allows. If you send a list, note your #1 rx. Antenna descriptions Brief, please! '73, Greg

PUBLISHER'S PAGE



Excerpt from the Feb/Mar ANARC Newsletter....

SURVEY OF WOMEN DXERS PLANNED WORLDWIDE

ANARC likes the ladies - we wish there were more of them in DXing. All women DXers in North America are asked to send their name and address with DX interest (SW, MW, LW, etc.) to: MRS. GRETE OSMUNDSEN, GRENAVEGEN 7, N5500 HAUGESUND, NORWAY. She is making a world-wide survey of women DXers and therefore would like to receive a letter from each women in our hobby. DX Club Bulletin editors are asked to include a brief notice in their publications to alert their "gals" to this request.

Mrs. Osmundsen writes ANARC: "I have been a DXer for several years, and when receiving letters from radio stations they express surprise to receive reception reports from a female DXer. I have therefore started wondering how many female DXers there might be. Therefore, I'd appreciate publishing my request in your Newsletter asking all female DXers to drop me a line. Such a survey would be of special value during the "International Broadcasters Year -1978."

An interesting project and one that I hope draws a lot of response from the many NASWA girls.

HELPING HAND. For sale: Drake SPR4, 7 months old, mint condition with 6 ham crystals and D.C. Auto cord. \$440.00 plus shipping. Write or call Tom Wolshock, 989 Wayne Road, Apt. 16, Wilmington, OH 45177 (513 382-1872)

HELPING HAND. For sale. Yaesu FRG-7, mint condition with Gilfer filter and AVC mods. \$225 including UPS shipping. Harry Helms, Box 331, Fort Mill, SC 29715.

HELPING HAND Swap: Grundig Satellit 2000 in excellent cond, about 2½ yrs old. Sell for \$200 FOB or swap for Barlow-Wadley XCR-30 in good cond, or FRG7. Have USM-38 'scope with all accessories, 15 mHz, triggered sweep. \$75 FOB or swap for good late model "LM" frequency meter. E.V. Sandy Blaize, 417 Ridgewood, Metairie, LA 70001 (504) 834-8064, no collect calls.

HELPING HAND For Sale: DX-160, 1 yr old w/tape jack installed in back; Telex C-1210 headphones; MFJ SSB filter, new 100 kHz crystal calibrator; newly built pre-selector w/magazine plans stating 40 db gain. \$210. Batteries, Patch cord, speaker, manual included and I pay postage & insurance. Write: Thomas Lebyrk, 13Becker Ter., Irvington, NJ 07111.

HELPING HAND For Sale: Realistic DX-150B, good cond, \$90. National NC-125 reciever, good cond, no speaker, \$50. Postage included. James Matthew, 185 Railroad St., St. Johnsbury, VT 05819

HELPING HAND For Sale: RME DB-20 pre-selector, general coverage, tunable MW thru 30 Mhz in 5 bands - \$60. Homebrew xtal calibrator from QST article, same as Gilfer C-10 except has LED for gate and takes lantern battery, also has AC supply and miniature whip antenna, \$40. Drake SW-4A w/manual, late model, \$240. Racal RA-117A w/manual, dust cover, very good shape, electrically and mechanically, flaunted as the best receiver in the world, \$850 for pick-up or \$900 for prepaid freight or delivery w/in 200 miles. Bill Whitacre, 2609 Devonshire, Lansing, MI 48910 or call (517) 482-7996.

HELPING HAND Wanted: I would like to get in touch with anyone in outstate or instate MI who is interested in a monthly get-together, summer convention or a planned DXpedition to South Manitou Island this coming summer. Bill Whitacre, 2609 Devonshire, Lansing, MI 48910 or call (517) 482-7996.

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