

# FRENDX

## RADIO NEDERLAND WERELDOMROEP

VOOR ONS BESTEMDE POST  
richten aan

- POSTBUS 222, HILVERSUM, HOLLAND
- KOTAK POS 2301, Jakarta, Indonesia
- P.O.B. 1121 - Station C., Scarborough, Ont. Canada
- B.P. 222, Cotonou, Benin
- C.D. 3000



de SCHREYERSHOEKS TOREN  
in Amsterdam.

VUE de la TOUR des FLEURS  
in Amsterdam.

### PROGRAMS (weekdays only)

broadcast in the following transmissions

- in a
- AUSTRALIA
- standard Time
- of N. Territory
- EAST ASIA
- Time
- m) B = transmission via Bonaire M = transmission via Madagascar  
due to propagation conditions or interference. Transmissions, frequencies and
- VI. 18.30-19.20 GMT, to CENTRAL, EAST AND SOUTH AFRICA  
freqs: L17700, M11730 and M6070 kHz  
8.30-9.20 p.m. Libya, Malawi, Rhodesia, South Africa and Zambia  
9.30-10.20 p.m. Kenya, Tanzania, Uganda
- VIII. 20.30-21.20 GMT, to WEST AND CENTRAL AFRICA  
freqs: B26140, B17810, L15220, M11740 and M11730 kHz  
8.30-9.20 p.m. Algeria, Ghana, Liberia  
9.30-10.20 p.m. Nigeria, Zaïre, etc.
- IX. 02.30-03.20 GMT, to NORTH AMERICA (east)  
freqs: B9590 and B6165 kHz  
7.30-8.20 p.m. M.S.T.  
8.30-9.20 p.m. C.S.T.  
9.30-10.20 p.m. E.S.T.
- X. 05.30-06.20 GMT, to NORTH AMERICA (west)  
freqs: B9715 and B6165 kHz  
9.30-10.20 p.m. P.S.T.  
10.30-11.20 p.m. M.S.T.

programmes with a specialized flavour, such as jazz, pop, blues, rock, folk, etc. Each series will consist of four programmes in consecutive weeks.

**Letterbox**, in which we answer questions from listeners about Holland and the Dutch way of life

**The World of Science**  
A two-weekly roundup of items on science, such as inventions, developments, health and the like. Editor: Bob Kuhn

**Commitment**  
A weekly survey of Holland's contribution to International Co-operation. Compiled by our Third World Desk

**Closing**  
A weekly session for Short-wave listeners and DXers the world over

**THURSDAYS**  
Newline  
DX Juke Box  
A weekly session for Short-wave listeners and DXers the world over

**Radio Nederland also broadcasts in**

- DUTCH
- ARABIC
- INDONESIAN
- FRENCH
- HINDI

Europa II  
0830 - 0920 GMT  
L15195 kHz (19 m)  
L 9895 kHz (31 m)  
L 7210 kHz (41 m)  
L 6045 kHz (49 m)

Europa III  
1130 - 1220  
L15325 kHz  
L 9895 kHz  
L 7210 kHz

**SATU**  
Newline  
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Bruce P  
from H  
plays H  
Stamp  
Victor  
latest i  
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over. First Thursdays: SW Pro-  
pagation Predictions by Maarten  
van Delft and Arthur Cuthen's  
Pacific DX Report. Other Thurs-  
days: regional DX Reports from  
Jan Tuner (Sweden), Glenn Hau-  
ser (U.S.A.) and Victor Gooner-  
atne (Sri Lanka). Also techni-  
cal courses and technical mail-  
bag. Ask for free DX Informa-  
tion Service Catalogue. Technical  
information by Wim van Amstel.  
Produced and presented by Dick  
Speelman

### Dutch by Radio

A course for those of you who want to learn to speak some Dutch for one reason or another. The course of 26 lessons was written by Pieter H. Breitenstein. Producer: Harry Kliphuis. Each lesson is repeated on Saturday in the following week.

### Closing "HAPPY STATION SUN"

Every Sunday, Tom M to his "Happy Station" containing musical w broadcast in various time GMT:

Time	Region	Frequency
07.30-08.20	NewZealand Pacific Ar	L11735, L15955 kHz
08.30-09.20	Australia Europe o and L5955	L11735, L15955 kHz
09.30-10.20	Europe o and L5955	L11735, L15955 kHz
12.30-13.20	Spain, Eu L11735, L15955 kHz	L11735, L15955 kHz
13.30-14.20	Europe o and L5955	L11735, L15955 kHz
14.30-15.20	South an M11740 k	L11735, L15955 kHz
18.30-19.20	East, Cer L17700, B West anc B17810, L M11730 k	L11735, L15955 kHz
20.30-21.20	Spain anc and L602	L11735, L15955 kHz
20.30-21.20	South An L9715 kHz	L11735, L15955 kHz
22.30-23.20	Europe o on B1532	L11735, L15955 kHz
23.30-00.20	South A on B1532	L11735, L15955 kHz
01.30-02.20	South Az B6165 kHz	L11735, L15955 kHz
02.30-03.20	North Ar B6165 kHz	L11735, L15955 kHz
03.30-04.20	Mexico, and B61 North A B6165 kHz	L11735, L15955 kHz
05.30-06.20	North A B6165 kHz	L11735, L15955 kHz

\* Spanish language

The Netherlands



We welcome 50 new members joining during April.  
We hope they find their membership to be helpful.

- |  |   |
|--|---|
| ABBEY, David G., Regina, Sask.         | PYNE, W. Page, Hagerstown, MD           |
| BARRETT, Eric, Yakima, WA              | REILEY, Steven E., Woodsboro, MD        |
| CHECO, Jose R., New York, NY           | REINI, Roger, League Coty, TX           |
| CHRISTEN, Elmer J., Galena, IL         | SAAF, Lenny, Godfrey, IL                |
| CREGO, Arthur R., Fulton, NY **        | SCHRWARTZ, Ira E., Smithtown, NY        |
| CZENE, Paul, Chilliwack, B.C.          | SEARS, Duane, Cincinnati, OH            |
| DAVIS, James L. III, New Orleans, LA   | SEALY, Tony C., Aiken, SC               |
| DUNN, David M., Columbus, OH           | SPRINGER, Tim, Tipp City, OH            |
| ETHEN, Claud J., Salem, OR **          | STROHMAIER, Floyd, Minneapolis, MN      |
| DiFILIPPO, Armand, Philadelphia, PA    | STYRON, Frank, Florence, SC             |
| GRODNER, Bruce, Bozeman, MT            | TASKER, Dr. Peter, Sarnia, Ont.         |
| HARDIN, David, Hickory, NC             | TRENT, Wendell C., Allegan, MI          |
| HENION, James Craig, Cayce, SC         | VALTERZA, Larry, Sacramento, CA         |
| HIEBER, Frank R., Munster, IN          | VASICK, Steven, Norristown, PA          |
| HILL, Randy S., N. Kansas City, MO     | VOLLRATH, Ruth, Marshall, MO            |
| HINES, Judson T., Jr., Seattle, WA     | WATERS, Orvill, St. Louis, MO           |
| HOLLAND, Allan, Hazleton, PA           | WENDT, Ronald E., Portland, OR          |
| JENSEN, Ted, Silver Bay, MN **         | WILLIAMS, R.E., Anchorage, Alaska       |
| KAUFMAN, Walter M., New York, NY       | WOOD, Dorsey E., Hampton, VA **         |
| KNAEBEL, Michael, Evansville, IN       | WOOLDRIDGE, Michael A., Richmond, VA    |
| KROGER, Guy A., Sioux City, IA         | ZONDLO, John, Hammond, IN               |
| KUWAYAMA, Mikio, Aichi-prif, Japan     | ZUNICA, Richard, Lowell, IN             |
| LABIENIEC, Judith Ann, New Britain, CT |   |
| MARKER, Brett, Rockford, IL            |   |
| MAYO, L., Scarborough, Ont.            | ** Nice to have you back<br>as amember. |
| MORITZ, John, Jr., Youngstown, OH **   |   |
| NEBEL, Jonathan H., Collingswood, NJ   |   |
| PERRAR, John L., Halifax, N.S.         |   |

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DX LIMERICKS

Here's to NASWA'ns, the faithful and true, To the old time DXers and new, And so for a rouser, Three cheers for Hauser, And all of the rest of the crew.	There was a DXer named Dee, Whose passion was to hear an ID, He'd been trying for years, To hear Santo Solears, Now, he's just about ninty-three.
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There was a DXer names Jones, Who did not believe in earphones, He didn't hear much, But DXing with such, He could never hear Gaberones.	A technician at HCJB, Who did not have a language degree Said "All these sermons, For French, Swedes, and Germans, Just sound like Mongolian to me!"
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Blame the above on Ed Riccheza, Neal Perdue, and John Lackmann

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# NASWA

A REPORT FROM  
HEADQUARTERS

NORTH AMERICAN SHORT WAVE ASSOCIATION POST OFFICE BOX 13 LIBERTY, INDIANA 47533 U.S.A.  
MAY, 1978

**MORE ABOUT THE 1978 ANARC CONVENTION:** The April FRENDX mentioned that the 1978 Association of North American Radio Clubs (ANARC) convention will be held in Montreal, Canada July 14 to 16, 1978 at Radio Canada International Headquarters. We now have additional information on that event.

The registration fee is \$12.00 for the three days plus a \$5.00 per person banquet fee, both payable in advance. The ANARC convention committee has a block of rooms reserved at the Sherbourg Apt. Hotel in central downtown Montreal. There is easy access to the convention hall by public transportation to RCI Headquarters where the activities will take place. Room rates (per night) will be \$25.92 for a single room, \$12.96 each for two persons, and \$8.10 per person for four sharing a suite. Prices quoted are in Canadian funds.

Due to the demand for hotel accommodations during the vacation season, the ANARC convention committee cannot assure reservation requests received after June 1, 1978

To receive an application and reservation form, persons in the U.S. should send a self-addressed and stamped envelope to ANARC 1978, 557 Madison Ave., Pasadena, CA 91101. In Canada, send your addressed and stamped envelope to ANARC 1978 Committee, 6 Coolbreeze Ave., Pt. Claire, Quebec H9S 5G4. Outside the U.S. and Canada, send a self-addressed envelope and one(1) IRC to the Canadian address.

Again we remind everyone that this convention is for ALL SWLs and DXers regardless of club affiliation or area of interest in our hobby. Past conventions have been well attended. Advance information indicates an interesting program being planned, so plan to attend and get your application form as soon as possible. Any last minute information on the convention will be announced in the June issue of FRENDX.

**NASWA MEMBERSHIP DIRECTORY:** We have had some second thoughts about publishing a directory of our membership and are planning to publish it within the next few months. We will be glad to honor the privacy of any member who DOES NOT want his/her name listed if they will send us a note or card to that effect.

**PRODUCT NOTES:** We are advised by Radios International, P.O. Box 6053, Richardson, TX 75080 that they are a newly established firm specializing in the sale of receiving equipment and accessories for the SW and MW listener/DXer. They further advise they are importers of the Barlow-Wadley XCR-30 receiver and also have been appointed franchised dealers for Sony, Panasonic, and Grundig radios. Other items to be stocked are books, antennas, preselectors, etc. Most items are being offered at below list prices. For a price list and brochure, write them at the address given.

Ace Art Company, 24 Gould St., Reading, MA 01867 send us a folder showing their loose leaf QSL card album which sells for \$5.95 including 10 pages which will hold six QSLs back to back. Additional pages are also available. For a folder and order blank, write to the address given.

**PERSONAL NOTES:** Former NASWA Executive Council member EDWARD C. SHAW advises he experienced a mild heart attack in late January, but is doing well now. He asks that we mention this because he has been unable to answer mail for several weeks, and that he does want to answer everyone who may have written him as soon as possible.....MIKE HARDESTER, Box 2723 NRM, FPO Seattle 98778 wonders if there are other DXers stationed/living on Okinawa or an adjacent island. If there are, he would like them to contact him at the address given or call him at home, 630-0359.



M.R. Leonhardt  
Executive Director - NASWA

# shortwave CENTER

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

MAY 1978

There has been quite a change from last month, the grass is green, the flowers are blooming, the garden is prepared, and I have enough material for Shortwave Center. Lots of good items on equipment. Don't forget that we will need good articles on shortwave subjects for future issues. Timely material should be so indicated and to me by the 15th of the month.

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## MODEL NO. RF-2800 THE PANASONIC RF-2800- USER REVIEW by Jerry A. Lineback, St. Joseph, IL

I recently indulged in a long standing desire to have a receiver with digital frequency readout without spending an arm and leg. When I heard about the Panasonic RF-2800, it seemed very interesting. The advertising material that I printed in the March SWC convinced me to give it a try. This review presents your editor's first hands-on impressions of the RF-2800.

The RF-2800 is the middle unit of Panasonic's "Command Series" of shortwave receivers that includes the popular 2200 model and the larger and more expensive RF-4800. The 2800 and 4800 feature digital frequency counters.

My first impression of the 2800 was its size. It is described as a portable, but its size precludes easy portability. It is certainly not a receiver you would like to stuff in a suitcase, unless you wanted to listen on vacation while wearing dirty clothes, because you certainly could not put much else in with it. The RF-2800 is larger than the Barlow Wadley XCR-30, which is only marginally portable itself.

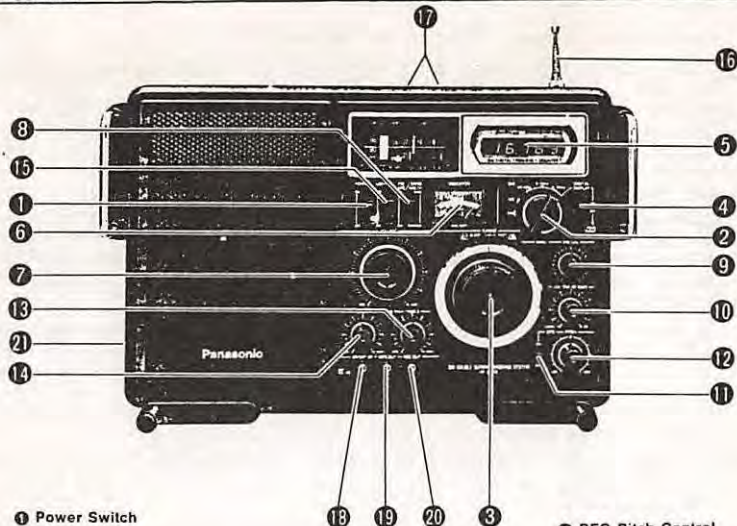
The receiver is black. It comes with 6 carbon batteries in size "D", a power cord, the usual Japanese earphone, and an operating manual with a limited amount of information in it. The RF-2800 is a conventional double conversion (on shortwave) superheterodyne receiver with three shortwave bands (3.1-8, 8-16, and 16-30 MHz), plus the AM and FM bands. The receiver has a single swivelling whip antenna for SW and FM, and an internal antenna for the single conversion AM band. The battery case is easily accessible from the back and separate from the receiver inards. There are also two clips on the back to attach an external SW or FM antenna. The power cord plugs into the left side, disconnecting the batteries for mains usage. The remainder of the controls are conveniently located on the front panel.

The RF-2800 has no built-in handle on top. Two military type handles at each side serve both as handles and as protection for the control knobs if the receiver falls on its face. Two protruding feet also help provide this important protection. The receiver comes with a webbed carrying strap that can be used as a shoulder strap for carrying the receiver for short distances. I shortened it to form a make-shift carrying handle.

The controls are well laid out and labeled. Each knob is surrounded by a white circular scale. Why this is needed for the volume, treble, and bass controls and the main tuning knob, I do not know. It is just for looks, I guess. The location of the controls is shown in the illustration below. Their function is mostly obvious, so I will mention the more important features only.

The dial is small, which is no problem on shortwave, where the counter works, but limits the usability on AM and FM to the usual guess work. There is a logging scale, but that is what we are trying to get away from, isn't it? The frequency counter is a bright red LED display, 5 digits, in MHz with a fixed decimal point. It is quite readable. The dial has a light with a switch and the frequency counter can be switched off to save batteries. The spring loaded counter switch can be pulled down for a quick frequency check, or pushed up for continuous operation. The S-meter can also be lit up, it deflects to the left, and may be of most use in the battery check mode.

Tuning. Tuning is by means of a single knob, pushed in for fast tuning and pulled out for slow (fine) tuning. The appropriate shortwave band is selected and the receiver fast



- ① Power Switch
- ② Band Selector
- ③ Tuning Control
- ④ Frequency Display Switch
- ⑤ Digital Frequency Display
- ⑥ Tuning/Battery Indicator
- ⑦ Volume Control
- ⑧ FM AFC/Bandwidth Switch
- ⑨ SW Calibrator
- ⑩ RF Gain Control
- ⑪ BFO Switch

- ⑫ BFO Pitch Control
- ⑬ Treble Control
- ⑭ Bass Control
- ⑮ Light Switch
- ⑯ Telescopic Antenna
- ⑰ External Antenna Terminals (at the rear)
- ⑱ Earphone/External Speaker Jack
- ⑲ Multiplex Output Jack
- ⑳ Recording Output Jack
- ㉑ AC Input Jack (on the side)

tuned to the approximate frequency by reference to the dial or counter. Actually you quickly learn to ignore the dial. The tuning knob is then pulled out and the fine tuning, takes place. In using the RF-2800 there is a tendency to crank in a frequency to see what is there rather than just tune around until you find something and then see what the frequency is (as with non-counter receivers). The tuning is quick and easy, but it does take a light touch to tune up or down only 1 kHz at a time.

Since the receiver is conventional, the tuning dial is non-linear. This means less turning of the knob per kHz as you go up in frequency. The following table illustrates the point.

Metre Band	Approximate kHz per one full turn of the knob in fine-tuning position
90	45
60	105
49	125
41	120
31	155
25	190
19	150
16	270
13	380

On 13 metres it requires a very light touch to move up or down a kHz at a time, but it is still possible, and really works quite well, once you get the hang of it.

The RF-2800 was compared to an XCR-30 with the following results. Tests were conducted side-by-side with battery power and using the built-in whip antennas.

**Sensitivity.** The sensitivity of the RF-2800 was as good as the XCR-30 and in overall consideration was adequate for general listening and for moderately serious DXing. The rating is 1 to 2 uV depending on the band.

**Selectivity.** The wide position is inadequate for any use. Leave the selector on the narrow position. This provides about a  $\pm 5$  kHz selectivity that is about equal to the XCR-30, or for that matter, the SPR-4.  $\frac{1}{5}$  kHz is marginally adequate for normal listening

or DXing. It would really be nice to have a narrower position, but . . .

**Stability:** There is no discernable drift in the RF-2800 in AM operation and the frequency counter seems to remain  $\pm 1$  kHz on known frequencies once set. The BFO can be switched on (with the pitch control centered) to zero beat the frequency. The counter calibrator is then adjusted to read the known frequency. The receiver can then be zero beat with unknown frequencies to provide a  $\pm 1$  kHz frequency check. There is a short-term stability problem with BFO operation in both receivers that makes SSB reception less easy than on some other receivers.

**Problems:** Developing the light touch necessary for tuning may be a problem for some RF-2800 owners. There are also images that crop up at unexpected places (for example, Cuba on 4880). There are not too many of these in the bands and familiarity with the bands is the only sure defense. Such images are found in other receivers than the RF-2800 too, to be sure.

Images in the RF-2800 normally appear 4 MHz below the actual frequency, but because there is little overlap with the shortwave bands, there usually is no problem. There is a 30 dB attenuation of images, but that is not enough. For example, the 31 metre band can be found as images between 5500 and 5775 kHz. WWV at 10 MHz can be heard sometimes on 6000 kHz. So be careful of the -4 MHz images. If WARC 79 results in expanded bands, the image problem may become more significant in the RF-2800.

Operating the RF-2800 from mains power will net a slight increase in performance. It also will relieve your mind of worry about battery life, since you will want to leave the counter on as much as possible.

The addition of an external antenna and ground will also result in increased performance. Therefore, to get the most out of the RF-2800, it may be operated in a semipermanent location with mains power and external antenna. This is generally true of other "portables" too.

When compared to the SFR-4, both using mains power and external antennas, the selectivity and sensitivity are very close, with a slight edge to the SFR-4. The RF-2800 however, does not appear to be capable of exalted carrier reception, the mainstay of difficult DX reception with the SFR-4.

In general, the RF-2800 is a conventional receiver of modest capabilities. However, the counter quickly spoils the user and makes the whole package worthwhile. In my opinion, the RF-2800 should not be considered as a "portable". It is just too big to be more portable than the picnic basket in the back seat on the way to the beach. It cannot be carried far and it certainly is too big for a suitcase unless you need it worse than clean clothes. The Sony ICF-5900 is a more likely candidate for portability.

However, as a table-top receiver, the RF-2800 will become a popular addition to the homes of many SWLs and DXers. If you have \$180-250 (the probable price range) to spend on a receiver, there is no point now in not getting a receiver with a digital frequency counter.

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## RF-4800

THE PANASONIC RF-4800-USER REVIEW

by Ronald DeMann, St. Paul, MN

I had the opportunity to use two RF-4800 radios made by Panasonic. It left me with a few impressions that I would like to share with other shortwave listeners. Please refer to the March 1978 FRENEX Shortwave Center for specifications of the RF-4800.

I find the appearance of the radio to be very impressive. The cabinet is large compared to the room needed inside, but maybe they had to do this to get all the controls on the front panel.

For comparing the RF-4800, I used a RF-2200 and the HQ-180.

The broadcast band dial is calibrated so poorly that one may be off 20 kHz. A ferrite core antenna is used on back of the radio. The cabinet has an effect on it so one must adjust the antenna away from the cabinet for maximum sensitivity. This means that it cannot be adjusted for best directivity. An external antenna will cause lots of images.

The FM section is identical to the RF-2200. This is a very selective unit with good audio quality. If you live in a metropolitan area you may have a problem with an external antenna causing images.

The first SW band is sort of an afterthought. The calibration is as good as you can read from 1.6 to 3 MHz. If you attach an outside antenna you will receive broadcast band stations on this band. Image rejection is poor on the band.

The shortwave bands from 3-31 MHz are where this radio performs. The digital readout is in use only for these bands. These are some of the conditions I checked:

- Audio - good quality - sufficient audio (2 watts), has bass and treble controls, could use more treble attenuation (see Selectivity).
- Images - No real problems with images, FM or TV stations as found with the RF-2200. Excellent rejection.
- Spurious Signal - Internal oscillators are generating birds on certain frequencies. One was found at 11.7 MHz which causes QRM on weak signals. On one of the radios this signal was S9 and on another it was S3. The weaker one had less gain and less interference. This problem may be overcome to a degree by increasing the RF gain control and retuning the dial.
- Drift - No real problems for the SWBC listener. There is a problem of drift when using the BFO.
- Sensitivity - Very good; one can use a ten foot wire. In fact, my outside antenna caused overloading which caused excessive QRM. I had to turn down the RF gain control half way to eliminate this problem on 49 and 31 metres.
- Calibration - The digital readout is what really makes the radio. Once adjusted on a band it needs no more adjustment. There is a change of about 2 kHz between bands. Calibration is easy. The display can be turned off when not in use. It is very easy to read.
- Tuning Dial - On fast tune, it is a little hard to tune. With the 12:1 reduction, tuning is a little slow, but is very easy. Some play in the dial is noticed on slow tuning back and forth.
- Antenna Terminals - Separate terminals for SW, SW 1.6-3 plus BC, and FM.
- Selectivity - This seems to be a problem area. After reading the specifications, I was confused (spec. is  $\pm 1.7$  kHz @ 6 dB and 6 kHz @ 60 dB). When stations are spaced at 5 kHz intervals, you may have to listen to a 5000 Hz whistle. If there is a strong station on, you may have trouble with stations 10 kHz apart at times. When comparing this radio with the RF-2200, I found that the 2200 was more selective. I was very impressed with the 2200 and I thought the RF-4800 would be better (RF-2200 specs are  $\pm 1.7$  kHz @ 6 dB and  $\pm 10$  kHz at 60 dB).

I built an audio active filter (similar to what the FRG-7 has) and this solved the whistle problem but didn't help adjacent channel selectivity. I know for a fact that for a few dollars more they could have installed a better ceramic filter. My HQ-180 has super selectivity in the wide position and the specs there are  $\pm 3$  kHz @ 6dB and 7 kHz @ 60 dB. I called Panasonic locally and in New Jersey. I talked to an engineer who told me that the filter was better in the RF-4800. I was told I can't compare the two radios and was questioned as to whether I could prove by measurement that the specifications were in error. I can't, but to most of us comparing is better than test data when we don't know all the test conditions. I have some ideas what they did but it is not within the scope of this article. They did send me a service manual and the engineer said he would contact Japan.

CONCLUSIONS: The only thing I find objectionable about this radio is the poor selectivity.

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## Veri-signers

### QUARTERLY VERIFICATION SIGNER REPORT

by Aaron Hywarren, Winnipeg, Manitoba

The following is a list of verification signers which have appeared in NASWA-FRENDX QSL Report in the first quarter of 1978.

It is often advised to send reports to someone at the station concerned (eg. Director, Station Engineer, etc.) in order to prevent the misplacement of your letter. Thus, this list was prepared to aid the listener when writing to a station. Simply address your report to the veri-signer listed at the address which appears in the World Radio and TV Handbook, or in the fine "QSL Address Book" which is prepared by Gerry L. Dexter. A lot of time is saved by yourself and the station.

If comments are favorable, I will prepare this list every quarter. Let's hear about your results using this list.

COUNTRY	STATION	V/SIGNER	TITLE (if known)
Admiralty IS	R. Manus	Jack Anifuro	DX Officer
		Peter Sohia	Asst. Station Manager
Antigua BEC	Carib. relay	James Metcalfe	
Argentina	R. Nac. de Argentina	A. Fereras	Relaciones Publicas

COUNTRY	STATION	V/SIGNER	TITLE (if known)
Bangladesh	R. Bangladesh	Mohamed Khalilur Rahman,	Research Engineer
Bolivia	R. Panamericana	Luis Penaranda Beltran	
Brazil	R. Difusoras do Amazonas,	Jose Joaquim Marinho	
	R. Educadora Sao Jose,	Father Jorge Basile	
	Lins Radio Clube	Vera Cristina Martins	
Burundi	Rdif. Nationale		Le Chef du Service Technique
Cameroun	R. Bertoua	Jean Marie Etqundi	Le Chef de Station
	R. Buea	Ngiewih Asunkwan	Le Chef de Station
	R. Garoua	Jim Achanyi-Fontem	
Canada	CFRX Toronto	C. Eastwood; D. Lumley	
	CKZU Vancouver	Francis H. Buchen	
	CHNX Halifax	Judy Carruthers	
Chile	Emisora Diego Portales,	V. C. Gomez	
	Radio Universidad de Concepcion,	Carlos Godoy Rocca,	Director
Colombia	Radio Nacional de Colombia,	Juan Climaco Arbelaez,	Director
	La Voz del Llano	Jairo E. Cifuentes,	Director Programmas
	R. Sutatenza	Isabel Salcedo	
	Radio Guatapuri	Alex Quintero	
	Radio Vision	Maria Eilena Vasquez V.	
	Ecos del Comblema	Alfonso Tovar S.	
	Ondas del Darien	Manuel Cardona Agudelo,	Director
	Ondas del Orteguaiza	Fred Emiro Nunez C.	Director
		Elizabeth Santos D.,	Jefe de Relaciones Publicas
Cook IS	Radio Cook Islands	Noora Tangaroa	
Costa Rica	TIFC/ Faro del Caribe	Joe M. Viquez S.; Mary H. Steele	
Dominican Rep.	Radio Mil	Julio Castillo Jimenez	
Ecuador	Esc. Radiofonicas Populares,	Padre Ruben Veloz,	Director
	Radio Tropical	Augusto Cedeno Estupinan,	Administratado
	Radio El Mundo	Gabriel V. Jimenez,	Gerente
	La Voz del Rio Carrizal,	Alicia Navarrete,	Secretaria
Galapagos IS	La Voz de Galapagos	Padre Raul Pinto	Director
Greece	EFT/Voice of Greece,	E. Stylianea	Director of Technical Services
Guam	KTWR	D. Fisher; D. L. Davis,	Teresa Jones, Linda Horton
Guatemala	TGNA, R. Cultural	Wayne Berger	Chief Engineer
	Radio Miramundo	Carlos Ruiz Guevara,	Radio Engineer
Guinea Bissau	Rdif. Nacional	Tiburcie Ribeiro da Moura	
Haiti	R. 4VEH	Mrs. Edna Beachy	QSL Secretary
		Loretta Vittoria	QSL Secretary
India	AIR Bombay		Assistant Station Engineer
	AIR Delhi	Golsind Beti	
Indonesia	RRI Palu	Eddy Mamangkey	
Kenya	Voice of Kenya	Rashid Bakuli	
Latvian SSR	Radio Riga	Brjantseva (?)	
Malawi	Malwi B. C.	M. J. F. Chapuma	
Malta	R. Mediterrean	Victor Aquilina	Head of Programs
Mexico	R. Huayacocotla	Jorge V. Villalobos,	Coordinator
Montserrat	DW Carib. relay	H. Berghaeuser	Station Engineer
Newfoundland	CKZN, St. John's	F. Holm	Engineer
Nigeria	NBC Jos	Mohammed	Senior Engineer
	RTV Kaduna	Alphonsus N. Ezinwa	
		Yusufa Ladan	
North Solomons	R. North Solomons	Aloysius Sahoto	Station Manager
		Aloysius Rumino	Acting Station Manager
Papua New Guinea,	R. Southern Highlands,	Andrew Meles	Acting Station Manager
	R. East Sepik	Philip Koviromo	Station Manager
Peru	R. Atlantida	Julio Reategui Burga	
	R. Nac. de Peru	Edna Almandoz M.	
Philippines	R. Veritas Asia	Larissa V. Paner	Relations Officer
Portugal	R. Portugal USB transmissions,	Ilda Duarte,	Head of Public Relations
Qatar	Qatar B. S.	A. R. Al-Madhadi	Director of Programming
Rhodesia	Rhodesia B. C.	B. O'Brien	
Saudi Arabia	BSKSA	A. M. Babbain	
Seychelles	FEBA	Liz Scott	
South Africa	ZUO Time Station	R. Lake	

COUNTRY	STATION	V/SIGNER	TITLE (if known)
Sri Lanka	AWR Sri Lanka	Adrian Peterson	Director
	SLEB	Mr. Heath	Superintendent Engineer
Swaziland	TWR Manzini	J. Olsen	
Sweden	Swazi Commercial Radio,	Bill Cookson	Chief Engineer
	Radio Sweden	Ada Fung; Anette Beijer	
Taiwan	Central Broadcasting System, Chen Mei-sheng, Deputy Director		
Uganda	Uganda B. C.	David R. Buga	Assistant Controller of Programming
United States	Voice of America	Monica Ruya	
Venezuela	La Voz de El Tigre	Graciela Cedeno	Departamento de Medios
	R. Nacional de Venezuela,	Charlie Nash	
Yemen P. D. R.	PDRYBS	Abdulaziz Ghuaidi	
Zaire	La Voiz du Zaire	Edope Mondegele	
		N'Siala-Mavambu Mbwetete,	Le Directeur
		Yembi Nsampa	
		Lumembo Alinga	

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### FREQUENCY UTILIZATION BY P. R. CHINA

As reported in FRENEX, March 1977-February 1978

Compiled by Frank J. Hermann, Kitchener, Ont.

KEY: IS is Chinese Service; ES is Foreign Language Service; VM is Voice of Malay Revolution; RP is Radio Peking; ? is unid lang; PLA is People's Liberation Army-Fujian Front Station; CPBS is Chinese Press Broadcasting Station; RCSSB is reduced carrier side band.

2200-Fujian; IS	4760-Kunming; IS	6280-Sinkiang; RP; ?	7610-RP; ES
2340-Fujian/Fouzhou; PLA; IS	4785-RP; ES	6290-RP; IS; ES	7620-RP; IS; ES
IS	4800-Fouzhou; PLA; IS	6345-RP; IS	7770-RP; IS
2430-Fujian/Fouzhou; PLA	4815-RP; ES	6400-PLA; IS	7780-RP; ES
IS	4840-Fukien; PLA; IS	6410-RP; IS	7800-RP; ES
2460-Yunnan; IS	4850-CPBS; IS	6494-RP; ES	7935-RP; IS
2475-Hangzhou/Zhejiang; IS	4865-Lanzhou; IS	6500-RP; IS	8005-RP; IS
IS	4880-RP; ES	6540-RP; ES	8195-PLA; ?
2490-Fouzhou; PLA; IS	4885-RP; ES	6560-RP; ES	8320-RP; ES
2600-PLA; IS	4895-Huhehaote; IS	6645-RP; ES	8345-RP; ?
2960-Chanching; IS	4905-RP; IS	6660-RP; ES	8565-RP; ES
3000-Fouzhou; PLA; IS	4915-Nanning; IS; ES	6665-RP; IS	9020-RP; IS
3200-Fouzhou; PLA; IS	4925-Haerbin; IS	6750-RP; IS	9030-RP; IS; ES
3220-Beijing; IS	4940-IS	6785-RP; IS	9065-RP; IS
3260-Guizhou; IS	4945-RP; IS	6825-RP; ES	9290-RP; ?
3270-RP; ES	4960-RP; ES	6840-RP; IS	9365-RP; IS
3290-Heilongjiang; RP; IS	4975-Foochow/Fouzhou; IS	6860-RP; ES	9380-RP; ES
3310-Changchin; IS	4980-Wuhan; PLA; IS	6890-RP; IS	9390-RP; ES
3340-IS	4990-Changsha; CPBS; IS	6933-RP; ES	9440-RP; IS; ES
3360-RP; IS	5020-Nanching; IS	6937-Kunming; RP; IS	9455-RP; IS
3400-Fouzhou; PLA; IS	5030-RP; IS	6955-RP; ES	9460-RP; IS; ES
3450-RP; IS	5040-Fouzhou; IS	6974-Huhehot; RP; ES	9465-RP; ES
3535-Fouzhou; PLA; IS	5090-RP; ES	7020-RP; ES	9470-RP; ES
3640-Fouzhou; PLA; IS	5115-RP; ?	7025-PLA; IS; ES	9480-RP; ES
3900-Hailar; PLA; IS	5125-RP; IS	7035-RP; IS; ES	9530-RP; ES
3920-RP; IS	5145-RP; ES	7050-Wulumqi; RP; ?	9675-RP; ES
3930-Chifeng; IS	5170-Fouzhou; PLA; IS	7055-RP; ES	9780-RP; ES
3940-Wuhan; IS	5240-PLA; IS	7060-RP; ES	9860-RP; ES
3950-Xining; IS	5265-Fouzhou; PLA; IS	7080-RP; IS	9880-RP; ES
3970-Huhehaote; IS	5295-RP; ES	7095-RP; IS	9920-RP; ES
3985-RP; ?	5320-RP; IS	7125-RP; ES	9940-RP; ES
4045-Fouzhou; PLA; IS	5325-RP; IS	7130-RP; ES	9965-RP; ES
4050-PLA; IS	5850-RP; ?	7190-RP; IS	10245-RP; IS
4068-Huhehaote; IS	5880-RP; IS	7275-Guiyang; IS	11290-RP; IS
4110-Urumchi; RP; IS	5900-PLA; IS	7280-PLA; ES	11330-RP; IS
4200-RP; ?	5905-PLA; ES	7315-RP; ES	11335-RP; ?
4250-RP; IS	5951-Manchuria; IS	7335-RP; ES	11375-RP; ES
4330-Fouzhou; PLA; IS	5975-RP; ES	7385-RP; ES	11445-RP; ES; IS
4380-Fouzhou; PLA; IS	5990-CPBS; IS	7470-RP; ES	11505-RP; IS
4400-Xinjiang; IS	6115-RP; ES	7504-RP; IS	11515-RP; IS; ES
4460-RP; IS	6176-RP; ES; Sian	7520-RP; IS	11575-RP; ES
4525-Xiliuhaote; IS	6225-RP; IS	7530-RP; IS	11600-RP; ES
4620-RP; IS	6270-RP; ?	7590-RP; ES	11630-RP; ES; RCSSB

11634-RP; ES	11945-RP; ES	15070-RP; ES	17650-RP; ES
11650-RP; ES	11950-RP; ES	15080-RP; ES; IS	17675-RP; ES
11660-RP; ES	11980-RP; ES	15095-RP; IS	17680-RP; ES
11675-RP; ES	11990-RP; ES	15270-RP; ES	17790-VM; ES
11685-RP; ES	12015-RP; ES	15300-RP; ES	
11695-RP; ES	12420-RP; IS	15305-RP; ES	
11700-RP; ES	15030-RP; IS	15435-RP; ES	
11825-VM; ES	15045-RP; ES	15520-RP; ES	
11830-VM; ES	15060-RP; ES	15550-RP; IS	

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## HF Africa

AFRICAN BROADCASTS ON THE HIGHER FREQUENCIES

by Mike Willis, Nedlands, Western Australia

There are a surprisingly large number of African radio stations which broadcast on the higher frequencies, and this article will give details of the ones I have heard over the past few months. My listening has been done from Melbourne and Perth, but I think that American readers may find that they will be able to hear all the stations I mention. However, the times that you hear them may be different. I should say that my survey is not a complete one. I include only stations that I have definitely identified and some of the easier items are omitted, such as R. RSA and R. Cairo.

At the moment, the most interesting broadcaster on the higher frequencies is Mozambique, which has put in good signals in the last few days. Try for their A programme, in Portuguese, at 1500 past 1800, on 9623, 7238, and 6115 kHz. The latter two frequencies were especially pleasing for me, and it does seem that Brazzaville no longer uses 6115 kHz, which accounts for the fact that Mozambique makes it to Australia.

You can tune into the Voice of the Zimbabwe from 1800 to 1845\* (note the new times), on 6005, which is quite good, even if the BBC does cause some problems. The programme is in English, is very interesting, and is // to 3265, 4856, and 1079 kHz. These transmitters are owned by Radio Mozambique, and placed at the disposal of the Voice of Zimbabwe African National Union, which denounces the present Smith/African political arrangements. The station often plays the Zimbabwe liberation song, and signs off with the echo announcement "Victory is certain".

Turning from Mozambique to Angola, we find that Radio Nacional is easily heard, in Portuguese, from 1400 to past 1900, on 9535 and 7244 kHz. The latter is perhaps the better, although there is some interference from jammers on 7250.

Radio Zambia always puts in a good signal when it signs on at 1553 on 9580, after playing a distinctive bird call. The opening announcement is usually by a man and is in English. He was mentioning that the station has various Zimbabwe programmes and one such goes on the air at 1715 GMT. 9580 is a good frequency to hear, even though there is some interference by a myriad of stations. Radio Zambia is an excellent verifier. For those interested in African music, this station plays some excellent examples of music which has only minimally been influenced by western concepts, values, and idioms.

From Zambia, we move over to Tanzania. Radio Tanzania, which also is a good verifier, is well heard on 15435 from 0330 to 0430, in various languages, and from 1300-1500\* in Swahili, on 9684. This latter channel is rather nasty to hear due to interference from Moscow, Taipei, and others, but it is there and reveals itself to the patient listener. The foreign service on 9750 is not at the moment audible, although it used to be heard at 1500. Malaysia plus one other English language unidentified is heard at that time now.

Zaire used to be an easy one, what with Lubumbashi on 11867 (from 0400-0600), and the national programme, from Kinshasa, on 15351 and 15246v. Frankly, all these appear to be off the air at the present time, which is a shame, for 15245 used to boom in from 0400 to past 1700. It may come back, though, or it may have moved too. This station is also an easy verifier, for those who are interested in such things.

The Congo, on the other hand, is an easy country to log, and Brazzaville simply leaps in from 1100 to 1400\* and from 1600-0100\*. No parallels are at the moment noted, although 6115 could still be there. Some people have reported hearing the station around 9610 kHz but this hasn't appeared here so far.

The Ivory coast is a country which is also easy to hear, at 0600 to 0800 on 7215 kHz. It does not appear to be using 11920 at the moment, although it may be hidden by other stations. Still, 7215 is heard well all the year, and should be a fairly easy catch.

Guinea is a country which has provided some exciting listening for me, as it can now be heard from as early as 1200 to past 2000 on 15308 kHz. That fade in is very early indeed, and shows that all those propagation rules one reads about may not be quite as rigid as we might think. Guinea has some interesting programming too. The station used to run 0600-

0900 on 7126 and 7253 kHz, but these are not at the moment audible, although 7253 was once heard, a few weeks ago, at 2000. This has not reappeared. 6155 and 9650v are two other Conakry channels which seem defunct also.

Bamako, in Mali, is heard well too, on Sundays, when it signs on at 0800 on 7110 and 11960 kHz, as well as 5990 kHz. The language is mainly French and the stations sign on tune is a curious brass band march, not very well played. And if you can get a QSL out of this station, good luck!

Where to now? Well, what about Algiers? However, let me warn you that this station specializes in frequent and odd changes of frequency. I have heard them in Perth recently as follows. At 0600, when the Arabic service signs on, you can tune in on 9685, 9705, 15163v, and 21560 kHz, whilst at the same time, French is beamed on 7245 kHz. Kabyle is listed, but not heard on 11910 at 0600. At various times of the year, the station signs on at 0500. Algiers is an easy verifier, and many will be familiar with the white and blue card which is sent out in response to most reports.

The Sudan is another matter. This country has tended to close down some of its high frequency transmissions. It does seem that both 11835 and 7200 kHz are off the air at present. I suggest you try between 1400 and 1530, for Radio Sudan on 6150 kHz, which is very good, and // to 5039. At 1500 the station relays the Eritrean Programme, which is quite interesting. The Eritrean liberation forces, at present organised into two camps, which are in a loose alliance, is attempting to break away from Ethiopia, and recently the two groups, the Eritrean Liberation Front, and the Eritrean Peoples Liberation Front, has considerable victories in northern Ethiopia. However, it is suggested that the Sudan may drop the Eritrean programme, as some reports attest that the Sudanese and central Ethiopian governments are slightly closer than in previous years, although these claims have yet to be proven.

From Sudan to a much easier station, the National Radiostation at Tunis. Tunisia is indeed a very easy country to hear even if it has a curious QSL policy. I found that they often would not QSL a report for a frequency which had been in operation for less than a year, arguing that the frequency was not even there! However, do try from 0600 to 0000 on 7275, 11970, and 15225 kHz. All these frequencies are excellent, and this station is noticeable for its heavy emphasis on arabic music and programming.

I hear Radiodiffusion Television Marocaine on 11735 and 15360 kHz from 1100 to 1800, and 9615 is noted from 1800 to 0000 here. True, 11735 is no longer listed in the WRTVH, but that need not detain us; it was there in March. These frequencies emanate from Tangiers. The other frequencies of 7225 and 6190 come from Sebaa Aioun, but neither of these once easily heard frequencies are at the moment noted here, and I am not sure if they are still on.

Radio Malwi is one of the more enjoyable African Broadcasters, and often has fun filled programmes of hi-life music, which is hard to resist even if you tend to be more interested in "authentic" traditional African music. This station is heard here from 1500 to 1700 on 7130 where, Peking and Taipei notwithstanding, the signal is very good and often beats 3380.

The National Radio at Yaounde, The Camerouns, has been heard for many months now on the 100 kW channel of 9745 kHz, where it presents English and French between 0600 and 0800. The station is also heard at 1600. The programmes are rather interesting, and a good deal of emphasis is placed on talks and news.

The radio station at Cotonou, Benin, is sometimes audible on 7190 kHz, which is an alternative frequency for 4870 kHz. Try between 0600 and 0800, when the signal can be very fine. This station plays lots of African music on one sort or another, and the bulk of the announcements are in French. The station is reputed to verify reports too.

I have just been reading an interesting article on Chad, and so I tune to the radio station at Ndjamana with renewed interest. It seems that this country is rather poor at the moment. Furthermore, it is plagued by a "liberation" organisation supported by Libya and called FROLINAT. The group has captured much of northern Chad. It will be interesting to see if this liberation organisation has some programmes via some station in the Arabic group. It seems that Chad has decided to turn to American aid due to a downturn in Russian aid. It is always worth knowing something about the countries we listen too. The station at Ndjamana was heard by me from 0630-0800 on 7120 on a Sunday. Beware the BBC on the same channel though! Lots of African music, interspersed with a variety of African songs.

Radio Niger is also a station which tends to be less well heard on the higher frequencies these days, although there was a time when it put through a very good signal on 9705, from around 0555 sign on. Curiously, the sign on always varied with what the schedule of the station showed, yet the signal was undoubtedly the station. There was some kind of interference from RFE in Romanian, and RTVA, yet the signal was fair enough. It may still be there. Sunday was the day to try.

Radiodiffusion de la Republique Rwandaise is the most interesting operation emanating from Rwanda and was, if my memory serves me correctly, built by the Germans when they set up their easily heard transmitters in this country. The national station, which is 50 kW, is easily heard on 6055 kHz from 1500 to 1700. It is one of the African stations which delights in presenting much hi-life music, and is a delight to listen to.

Togo has its national radio station located in Lome, and it can be easily heard signing on at 0800, over the German regional on 7265 kHz. The signal is usually good, although it must be admitted that 5047 is even better. The language is French, and this station is reported to verify easily, although I never got a reply.

Radio Uganda is also very well heard, which is hardly surprising given the power of its transmitters (250 kW for external service). Try 9515 at 1630 and 6030 at 1700. News was the main feature at these times, and it was presented in English. Tastes vary, of course, but I confess that the programming was rather dull, at least at the time that I heard it. This is one of those stations which aims to present a political type of programme with plenty of commentaries and so forth.

The SABC Home Service channels are suitable material for our survey, at least those on the higher frequencies. The SABC high frequencies are at present: 11790 (English from 0635 to 1520), 9680 (English 0520-1620), Afrikaans service on 9560 (0520-1620) and on 11885 from 0636-1520 GMT. Springbok Radio may be tuned in to on 11935 (0637-1520) and on 9710 from 0522 to 1622). Unlike all the other stations listed in my survey, this has been taken from the actual station schedule, because, for some reason, the SABC outlets have been poor on the high frequencies this year. We should immediately state, however, that 11935 is the exception here, it is well heard nightly from 1100-1520.

The Seychelles are well heard via the FEBA. Although I have no schedule, I have picked up this information just by tuning around (which is my main way of getting information!); 11755 signs on at 0315 in Swahili, whilst 11860 is heard with the FEBA interval signal at 1640 signing on. 15325 is easy at 1230 to past 1500, whilst 11945 runs from 1400-1530. I can attest that all these frequencies are absolutely first rate here in Perth, and were fairly good in Victoria too.

Somalia, which has been busy fighting wars here and there with Ethiopia, is well heard via Radio Mogadishu which runs from 1000 to 2100 on 9585. Various languages are presented via this frequency. 6097 kHz is also heard, emanating from the same site from around 1030 to 2100. It is now known that the stations were financed by Russian aid, which they never got back! Radio Hargeisa, also located in Somalia, may be off the air altogether. For whilst it has been off 7120 kHz for some months, it now has vacated 11644 kHz too. We used to log this station from 1400 to 1600. Some of the programmes were relayed from Mogadishu. The station may have changed frequencies, and may have moved to a lower frequency where it will "capture" the majority of listeners who listen to the lower freqs.

Which brings us to Ethiopia. Let me confess that all is not clear with this country. It used to be heard on 7165 and 6015 where it announced itself as "The Voice of Revolutionary Ethiopia". The times that were best were 1200 to past 1500, and often English was presented. The programmes consisted of a barrage of cliches such as Imperialism, colonialism, fascism, and so on, although there was little indication that the speakers knew the exact meaning of these oft used, but sometimes misunderstood words. Anyway, the Voice of Revolutionary Ethiopia is no longer heard on these frequencies and although it has been reported that they may be using 7155 and 9595, I cannot hear these frequencies here. My guess is that both, or at least one, will eventually gravitate to the tropical bands so as to collect the majority of African listeners.

I should also, I guess, mention that there are two countries that I would like to deal with, but which present problems. The first is that Equatorial Guinea, which is listed but not heard here on 6250. The second, Mauritius, is listed to 1300 sign off on 9710, and is in fact seemingly there, signing off daily just before 1300, but no ID has come to hand as yet so I cannot be 100% sure, which is a shame!

Before I conclude I should mention that here in Australia we receive the African stations via two main paths or routes. From 0500 to 0900, we hear the stations via the so-called long path, which means they travel past America and over the Pacific Ocean. From 1100 to past 2300, we hear the Africans via the short path, or over the Indian Ocean. In Victoria, the former mode of reception is very good, in Perth it is nonexistent, but the latter, short path reception is excellent.

For my monitoring, I use a Trio 9R59De, which is not an expensive radio by any means, plus a LED crystal display digital frequency meter, which gives me that much needed readout to 1 kHz and better. I also use an aerial tuning unit which is a real help. And apart from that, I use patience, which is a necessity for all DXers.

Although these stations were logged in Australia, our American friends should have no trouble getting most of them, judging from the pages of FRENDX.

## It's News

NOAA reported that a major solar flare, the largest since 1974, was observed about 11 April. Geomagnetic disturbances and disruption of radio propagation were noted. We can expect more of these kinds of events in the coming months.

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Mike Willis, Fairway Gardens Flat 23, 159 Fairway, Nedlands, 6009, Western Australia, the author of the above article, would like to compile a list of clandestine or liberation radio programmes emanating from Africa. He would like any information on these sent to him.

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Paul Gunn reports that R-390/390A owners who are having problems finding connectors that are recommended in the manuals for the balanced antenna input should look for "AMPHENOL" KS 16288L2 connectors. They may be found at hamfests or some electronic and surplus dealers may have them or be able to give a lead on where they might be available.

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The DX Stamp Service has a new address reported by Tom Overcamp. The new location is near the old and is: George Robertson, DX Stamp Service, 7661 Roder Parkway, Ontario, NY, 14519. Prices have increased, so please write for the new price list (send SASE).

\*\*\*\*\*

Dan Ferguson writes that his simplified formula for computing DX distances (March FRENEX, needs correcting. The simplified formula uses degrees. There should have been a 60 in front of the formula to compute the distance in nautical miles. Thus for nautical miles the formula should have been:

$$60\cos^{-1} \left[ \sin(\text{LAT}_1)\sin(\text{LAT}_2) + \cos(\text{LAT}_1)\cos(\text{LAT}_2)\cos(\text{LONG}_1 - \text{LONG}_2) \right]$$

To get statute miles, multiply by 69.09 instead of 60.

\*\*\*\*\*

Leon Tannenwald of Brooklyn NY writes to inform FRENEX readers that COPAL offers a line of digital clocks in the 24 hour format. These are mechanical rather than LED, but offer smartly designed clocks at reasonable prices. If you cannot locate them locally, contact United High Power Lab, 389 Fifth Avenue, New York, NY 10016.

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George Brown of Longniddry, Scotland, reports that Datong Electronics Ltd., Spence Mills, Mill Lane, Bramley, Leeds LS13 3HE, UK, offers a new compact indoor active dipole antenna for 60 kHz to 70 MHz, price £33.00 in the UK.

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Your Shortwave Center Editor still has copies of the NASWA Special Publications available. All four sent at one time for \$3.00 or individually as priced. SP 1: Keep it Quiet by Morgan Monroe, on reducing noise in SW reception. SP 2: Precision Frequency Measurements by Charles Taylor, on using the heterodyne method to measure frequencies to 1 hertz. SP 3: Introduction to Shortwave Propagation by John Tuchscherer. SP 4: The Results of the 1976 NASWA Shortwave Listener Survey by Kim Elliott. 1, 2, and 4 are \$1.00 each individually and SP 3 is 0.75. Send orders and payment to Jerry A. Lineback, P. O. Box 325, St. Joseph, IL 61873.

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Rufus Jordan, Pittsburgh, PA, would like someone to do a review on the Zenith Trans-oceanic receiver for Shortwave Center. This receiver still appears often in the tabulation of Log Report contributors.

John Mosman, Wheeling, IL, writes to suggest that readers should contribute more articles to SWC that tell how they DX. This would range from what publications they use, how they organize the mass of schedule and frequency information into useful items, what they actually do when at the receiver, how they get program information in unknown languages, how they write the reception reports, etc. ". . . I think more experienced members would enjoy sharing this information and newer members would profit from the information."

Send your contributions to Shortwave Center at your editors address. Amen to both the above suggestions.

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This was found on an envelope from Switzerland, means don't bug your neighbor with a loud radio, literally, Radiolisterner, take regard for your neighbor. On that, 73s till next month, JAL.

# Listeners

## MAY 1978

# NOTEBOOK



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

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**ENGLISH SCHEDULES** **AFGHANISTAN** The ES has been heard on new 15390 at 1130-1200, though 15365 was still announced (Robin Mujinot (?), France, SCDX 18/4 via gh) Still on 4775 at 1400-1430, and the name has been changed to Ariana Afghan Radio & TV Service (Victor Goonetilleke, Sri Lanka, SCDX 18/4)

**ALGERIA** Due to local DST, EG to Eur/NAF/ME now at 1800-1900 on 7060 and announced but not confirmed 7145; target areas are our assumption; channels are subject to constant variation and from Oct 1978, program likely to be one hour later (BBCMS 4/78)

**ANTIGUA** Because of harmonic problems, the WS relay on 6195 from 2000 moved as of 17/4 to 6175, so now sked 2000-2430 to Carib, 0030-0730 to Ams+Pac; whilst Sackville moved to 6195 at 2200-2330. (BBC World Radio Club 19/4 via gh) Antigua 6195 had been a regular on 24780 --4th harmonic--but was usually weaker after the former 2330 switch to 6175, on 24700. I'm not sure why, and neither harmonic appeared to QRM any other station. This last-minute change is not reflected in May London Calling. One that was planned earlier was 17830 ex-15420 at 2000-2115, so that harmonic moves from 30840 to 35660 as of J78 season, which begins Sun 7 May. 17830 designated not only for Ams, but SAs! (gh)

**ASCENSION** For J78, the WS relay at 2000-2245 on 15260 is designated not only for N&C&NSAm, but also for South Asia! Little change in other transmissions (gh)

**AUSTRIA** ORF's new Nam svc at 1230-1300 moved as of 19/3 from 15425 to 15320 (Pete Grenier, CA) Not bad, even managing to override DW co-channel, but no telling where for J78 (gh)

**BANGLADESH** R. Bang at 1230 to Eu on new 21460 //15520 (Noel Green, BBC WRC 19/4)

**BELGIUM** BRT to Af resked 2/4 due to DST, to 1615-1700, on new 15250 //11940, to remain in effect until 30/9. 0015-0100 unchanged, 6080 to NAm, 9685 to SAm (BRT dark purple sked)

**BULGARIA** R. Sofia all-new: 2130 11750/15135; 0000 15330; 0430 11750 as of 20/4 (Utter, NY)

**CANADA** RCI J78, as foreseen 23/3: Mon-Fri 0615-0630 & 0645-0700 Eur 11915/9655/6140/D7155, ME D17860/D15440, Af 6150/D11720. Sun 1400-1500 Eur D6195/Crowborough 1295. 1545-1559 USSR 17820/15325/D19135/D9555/Sines15305 & 11915. 1645-1659 Eur 17820/15325. 1800-1829 Af 17780/15260. 1900-1929 Eur 17820/15325/D9555/D5995. 1900-1929 Af 17780/15260. 2000-2029 Eur 17820/15325/11855/D9555/D5995. 2130-2157 Af 17820/15325/15105/11945/9530. Mon-Fri 2157½-2359½ Nam 5960. New time 0000-0027 Nam 5960. 0100-0127 SAm 11940/N&C&Am 9535. 0200-0227 N&C&Am 11940/11845. 0300-0327 N&C&Am 11940/11845/9535/5960. 0400-0427 N&C&Am 11845/9535/5960 (RCI) Cf ANTIGUA, BBC via Sackville now as of 17/4 on 6195 2200-2330, presumably remains on 6120 after 2330 (gh)

**CHILE** See OTHER SCHEDULES, wherein EG is included (gh)

**DOMINICAN REPUBLIC** Rudy Espinal announced 20/4 that R. Clarín hoped as of 1/5 to reschedule "This Is Santo Domingo" as follows for better reception around the world, all on 11700: 1200 for Pac, 2000 ex-2130 to Eur & Pac, 2300 as is, 0300 to NAm, one hour each. Maybe Libya & Moscow will relent at the new 0300 time; heavy QRM at 2300 in April (gh)

**EGYPT** R.Cairo: S&SEAs 1215-1330 on 17920; "Voice of Africa" E&C&SAF 1630-1830 15255, WAF 2030-2200 15375. Eur 2215-2345 9805. Nam 0200-0330 9475/6230 (BBCMS 4/78) Hrd at 2215 on 14380 (Denis Ironman, England, SCDX 28/3) 2 x 7190 ? (gh)

**FINLAND** R. Finland changed 9645 to 9755 at 2300 (Mike Maghakian, NY) As announced on Finn-DX 1/4, //11735 but 9755 better. No word on J78 yet (gh) Try 17870 at 1430 (Kotila, SPEEDX)

GUAM KIWR can't seem to settle down mainly due to QRM caused by poor frequency management they get from faraway Washington. No doubt as of J78 there are further changes, but here's a sample of Mar-Apr changes: (gh) At 1100-1130 on 15145/11850; 0800 opens in EG on 15115/17855. (Arthur Cushen's DX World, 2/4) Excellent 10/4 at 1123 on 11850/15425; announced EG also at 1430 on 11845/15135 (Jerry Berg, MA) Several changes after introduction of M78 sked: EG 0000-0130 on 17855, 0800-0900 17855/15175, 1000-1100 15155/11850, 1430 on 15135/11850. All monitored at Calcutta (P. S. Mazumdar, Indian DX Club International)

GUINEA (Cf Apr LN-2) Credit to Colin Miller, RSA (gh) (oops) HUNGARY below oops

INDIA AIR advertised in the Ceylon Daily Times 14/3 this sked for listeners in Sri Lanka: 0515-1945 English on 11770/9535/7215/6085/3905 (BBC MS 23/3)

IRAN Due to DST as of 24/3, R. Iran EG to Eur on 9022 moved from 1930 to 1830-1900 (BBCMS)

IRAQ R. Baghdad Nam svc at 0300-0400, believed to be a repeat of 2130 for Eur, moved to 11925 ex-11905 (BBCMS 13/4) Didn't help much (gh)

ISRAEL IBA J78 (higher powered transmitters only): 0500-0515, 11655 ENAm+Carib+Au+NZ, 11960 Nam, 9832½ Nam; also 15105. 1200-1230 21495/15405 Eur+Nam, 17815 Eu, 15530 As+Pac; also 11655. 2000-2030 Eu 11655/9815, Af 9009/9425. 2230-2300 Nam 9435/9815/11655/15485 ex 7412½ (Larry Magne, PA)

HUNGARY R. Budapest 1/5 to 6/11: 1030-1100 daily Au+NZ+Jap 21525/17715/15160/11910/9585/7155/6040. 1200-1220 Mon-Fri Eur 21525/17785/15160/11910/9585/7155/6040. 1400-1430 Mon-Fri As 21525/17710/15160/11910/9585/7215/6040. 2100-2130 daily Eur 15225/11910/9655/7215/6110/6060. 0200-0230 Tue-Sun Nam 17710/15225/11910/9585/6160/6080. 0300-0330 daily Nam 17710/15225/11910/9585/6105/6080 (Budapest International via gh)

JAPAN R. Japan's Regional Services, May 78 (NHK via Wilder Pickard, IL)

0130-0230 N/Lam/Hawaii	15195 17725 17755 17825	1630-1700 S. Asia/Africa	9670 11705
0800-0830 Europe	17825 21570	1830-1900 Europe	9605 11950
0930-1030 ANZ	11875 15235	2015-2045 ME/Naf	9700 11855
1115-1145 SE Asia	9675 11875	2345-0045 North America	15300 17825

KOREA SOUTH KBS in EG at 1000-1030 hrd on 9525/9580 (Tony Jones, Paraguay, 15/3)

LEBANON R. Lebanon to Nam at 0230-0300 on 11825 ex-9680 (BBCMS 16/3) At 1830-1900 to Af on 15440 ex-11755 (BBCMS 13/4)

MALDIVES R. Maldives since 21/3 on 4754 ex-4740 at 1500-1730. 4754 is better. Also hrd 1745 past 1820 on 8/3. 4740 is now history, used over 10 years, now dropped (G. Victor A. Goonetilleke, Sri Lanka, UADX)

MONGOLIA RUB excellent daily on 6383 1220-1250. Definitely not on 11856 (Mike Willis, Western Australia, undated) Poor signals on 12070 at 1220-1250, hrd 1+3+7/3, USSR QRM on 7/3 only (Richard McVicar, Ont., RCI DX Digest)

MONTSERRAT DW telegraphed that from 5/4 11785 ex-6135 at 0530-0550 (Paul Kinnaly, MA & Richard N. Allen, OK) 11785 most unsatisfactory; Belgium 11785 wiped it out 16/4. Another problem is Montserrat does not have an adequate feeder from Germany--too much QRM, QRN, QSB is rebroadcast, sometimes making the signal unreadable. On 15/4 they could be heard tuning around their pickup from 6185 to 6195 relaying CBC NS, then with 6185 as source which was severely QRMed after 0543; finally in middle of closing at 0549 they switched to Antigua 5960 for final 30 secs. In other words, the Montserrat relay station is one great big mess (Allen)

NEPAL New 100 kW xmtr inaugurated by king 2/4 on 5005 kHz, used //3425/790 for EG 1440-1520 incl. nx 1450 (Gordon Weston BBC WRC 5/4)

NETHERLANDS RN J78 sked as anticipated in Feb when slick sked was mailed, same as M78 (cf Apr LN-1) except the 2130-2220 to Nam is dropped (gh, John Sterling, SC) A shame, now that it is reliably received, and was the original pre-Bonaire and still only direct-from-Holland Nam svc from RN (gh)

NORWAY NRK's May 78 sked of Sun half-hour px in EG, excluding mw. Runs into Mon GMT.

Second column is azlmuth. 100 kW exc. 250 kW. (NRK via Wilder Pickard, IL.)

0800 245 ANZ	9590 1400 130 Eu/ME/	2000 025 Pacific	11850 0200 310 N/Cam	9610			
005 Pacific	15175	Eaf	21730	005 Pacific 15135	290 N/Cam 11860		
045 FE/Au	15135 1600 330 N/Cam	15175	185 Eu/Af	15175	330 N/Cam 11735		
1200 ND Europe	6015	185 Eu/Af	17795 2200 290 N/Cam	11850 0400 290 N/Cam	9645		
070 Indo	15175	225 Waf/SAm	21730	250 C/SAm	15175	355 Pac	11895
095 ME/Indo/	1800 205 Waf	11935	275 N/Cam	17795	330 N/Cam	11860	
Au	21730	310 N/Cam	15175	0000 290 N/Cam	9605 0600 330 N/Cam	11895	
1400 215 Eu/Naf	9590	150 ME	290 N/Cam	11860	150 ME/Eaf	15175	
275 N/Cam	17840	E/Saf	21730	225 Waf/SAm	15175	125 ME/Eaf	17795

PHILIPPINES For M78, AFRTS resumed Poro relay, sked Poro-1 (35 kW) 11835 1900-2300; Poro-7 (50 kW) 11835 2300-0100; Poro-8 (50 kW) 21670 01-03; Poro-2 (35 kW) 21670 03-19 (Jones ADXN)

SEYCHELLES FEBA M78 for what it's worth-- 0400-0445 EAF 11800 280° broad beam of 68° at 6 dB points, 25 kW. 0700-0800 SAs 15160 040° broad, 100 kW. 1530-1630 SAs 9545 40° broad 25 kW and on 11865 40° broad, 100 kW (FEBA via Colin Miller, RSA, and BBCMS)

SWEDEN Without explanation, R. Sweden is taking its Karlsborg transmitter completely off the air for J78, meaning only two frequencies available at any time, both from H8rby, and requiring the dropping of certain services, such as to NAm at 1230! And all NAm xmsns are now on the 310° beam explained last month (gh) J78 final sked: 1100 Eur 9630, ANZ 15125, 1230 EAs 15240, Af 21690. 1400 SAs 17735, NAm 17790. 1600 Eur 6065, ME 15240. 1830 Eur 6065, Af 15240. 2100 Af 11845, ME 15415. 2300 NAm 9690/11800. 0030 NAm 11905. 0230 NAm 9695/11705 (STA via Pete Grenier, CA)

SWITZERLAND SBC on SSB! to NAm J78: 1315 on USB 17740; 0145 on USB 11780; 30 kW xmtr. In addition to usual AM channels of 15140, and 6135/9725/11715/15305 resp. (SW Merry-go-Round 21/4 via gh) Of course they will be very interested in comparative reception reports. On Talkback 1/4 something was said about a new omni-directional EG pgm at 1200, and at 0015, I think, for J78 (gh) Tho not planned at first, SBC has been using 15305 at 0145 (Elisabeth Whitaker, TN) Can be excellent (gh) 15305's fluttery but very clear audio, better in Phoenix than in Waterloo, but 11715 is best of all (Jim Conrad, AZ, 17/4)

TANZANIA R. Tanzania to E+C+SAF at 1530-1915 and 0330-0500 currently on 9680 ex-6105, // 15435. 0900-1030 EAF (Sat/Sun to 1530) remains on 9750 (BBCMS 16/3) Not all EG (gh)

UNITED NATIONS For M78, UN Radio dropped a number of broadcasts to Pac+As, added one to Carib, Fri 2245-2300 Greenville 15240/11955. Other EG newscasts, which are Fri+GMT Sat only when General Assembly is not in session rather than weekdays: 1830-1835 CEu+W&CAF Greenville 15410/11900 +USB 13491½ 0545-0600 N+W+CAF Greenville 9540/6055, ditto 0707-0715. Ditto 0800-0807 C+E+SAF via Monrovia also 17860/15235. 1000-1005 As Delano 9565, Dixon 5955 and Philippines 15250. \*1830 also on Tangier 15305. Security Council coverage, when in session, all via Greenville, and in EG/FR only, no longer SP, at various hours on these available freqs: 21670/15415/15410/15120/11965/11960/11905/11900/9620/9540/6135/6055 (via Dom Yacono, NY) For J78 freqs may change but assume times remain (gh)

UGANDA (oops) UBC sked in EG & vernaculars relaying domestic 'Red Channel' on 6030 to E&CAF at 0900-1100, 1300-1417. EG ES to E&CAF 1500-1530 6030; SAF 1608-1650 on 9515; relay Red to E&CAF 1700-1730 on 6030. WAF Sun/Tu/Th/Sat only 1805-1830 15325. NAF 2030-2100 Sun/M/W /F on 9730; all via 250 kW Soroti xmtr (BBCMS 3/78)

UKOGBANI BBC WS J78 to use 15215 ex-15070 to NAm 1100-1330. 9510 no longer shown as Sackville, 2115-2430 when Greenville still takes over. 15070 is to N&CAM Carib+NWSAm at 2000-2430. To same area 2000-0330 is 11750, lotsa luck against Moscow, conflicting again this year (gh, from May London Calling) BBCWS heard on 22930 LSB Sats 1430-1600 (R. Allen, OK)

U S A AFRTS M78 dropped domestic sites 1400-1800. Pac 6095 0700-1400, 9700 0330-1400, 11805 0200-0700 & 1800-2000, 15330 2000-0330, 17765 1800-0200, all Dixon (Arthur Cushen, NZ 2/4) To Eur Greenville 50 kW 11790 1800-2300, 6030 2300-1200, 15430 1200-1400; to Af Bethany 15430 1800-2400, 11790 0000-0500, 9685 0500-1200, 15330 1200-1400. to LAm Bethany 15330 1230-2330, 6030 2315-1130, 9755 0600-1300 (Bob Padula & Robert Jones, ADXN) M78

Gulf Stream Bulletin. NOAA provides daily estimates derived from satellite data on location of the west wall of the Gulf Stream, to assist ships in finding or avoiding current, at 1600 & 2200 GMT via NMM, Coast Guard radio, Portsmouth VA on 6521.8, 8760.8 and 13144 (CG 1/3 via Warren G. Martens, NY) Tho given in GMT, maybe changes with DST? (gh)

OTHER SCHEDULES AFGHANISTAN AARTVS HS at 1400-1730 moved to 4000 kHz; Urdu at 1330-1400 still on 4775. 4000 also used at 2130-0310.

4085 has not been heard in a month (Victor Goonetilleke, Sri Lanka, SCDX 18/4 via gh)

ALGERIA RODPRA in SP to assumed Eu+Naf 1900-2000 on 9610/7060 +unconfirmed 9680. Other external services are in EG or clandestine (BBCMS 4/78)

ANGOLA Ex R. Clube de Malanje, silent since early 1976, now back as Emissor Regional de Malanje, 0500-2100 on 4940. Emissor do Moxico at Luena, ex-R. Clube do Moxico, obs 0530-2100 on 5137. Em. Reg. de Menongue irr. from 0500 on 4780 (Richard Ginbey, RSA, SCDX 11/4)

ARGENTINA R. Nacional Mendoza is no longer 24h on 6180, just 0900-0400; power is neither 10 nor 5 kW, but only 1 kW. R. El Mundo new sked: 6120 10 kW 0500-0130, 9705 7½ kW 1500-2300, 11755 10 kW 0500-1500, 15290 7½ kW 0900-0130 (Mario Jorge Safier, Argentina, 7/4)

BELGIUM BRT (not RTB) sked 2/4 to 30/9, to Af u.o.s.: 0430-0615 9655/11785. 0630-0715 (Sun 0745) 17740/15190. 1000 (Sun 0800)-1210 17740/21475. 1215-1245 21460/17740/15210 +FE 21475. Sun only 1245-1600 17740/21475. 1530-1600 17740 +SEu 6010. 1700=2115 15250/11940. SAM 2245-2330 & 2345-2415 9685. NAm 2345-0015 6080 (BRT)

CHINA There are 2 (or 3?) Weather Broadcasting Stations; Húběi Province W.B.S. on 5975 at 0700-0740; Anhui Province W.S. on 6235v at 0800-0850, not traced since 10/77; unID, presume Anhui on 4045 at 0800-0850. They sign on with "East Is Red" (Hiroyuki Nagase, FEDXR 1/4)

**CHINA** R. Peking DS in Std Ch new sked as of 15/3: 15590 2333-1040. 15550 0103-0930. 12420 2303-0430 & 0733-1130. 11330 2203-1300. 9080 2000-2300 & 2303-1015 & 1133-1735. 7935 2000-2330 & 1043-1735. 5320 2000-0100 & 0933-1735. 4460 2000-2300 & 1018-1735. 3220 2000-2200 & 1303-1735. That was First Pgm, span 2000-1735. Second Pgm, span 2100-1700: 12200 0103-0900. 10260 2243-1200. 7190 0003-1030. 5075 2100-0100 & 0903-1700. 4250 2100-2400 & 1033-1700. 3290 2100-2240 & 1203-1700. R. Peking ES in Amoy/Alakka/Std Ch for Taiwan on this sked: 15880 0015-0610 (Sun 0705) & 0830-0959. 15710 2315-0610 (Sun 0705) & 0830-1114. 11100 2200-0610 (Sun 0705) & 0830-1415. 9170 2130-0610 (Sun 0705) & 0830-1435. 6790 2000-0014 & 1000-1900. 6125 2000-2315 & 1115-1900. 4770 2000-2159 & 1416-1900. 3360 2000-2129 & 1436-1900. 3360 2000-0130 & 1000-1900 (BBCMS 16/3 & 13/4)

**CHILE** We have two completely conflicting skeds for Voice of Chile, both based on monitoring, different dates. Major changes were made 12/3 when local time changed, but not simply an hour-later shift. New 15115 was introduced 7/3, and some others stabilised at beginning of March, while 11924 & 15130 appear dropped. Remaining in use at varying times are 9560 (ex-9566 as of last week of Feb), 11705/11800/11810/15115/15150/17713/17794-17810 variable. At 2200-2400 9560 split from the rest to carry SP, FR, EG, SF. Here is the sked monitored 12/3 thru 15/3: 1400 SP 1600 EG 1800 GM 2000 RS 2200 RS 0000 FR 0200 EG 0400 SP 1100 EG 1230 EG 1430 EG 1630 RS 1830 FR 2030 AR 2230 IT 0030 EG 0230 SP 0430 FR 1130 RS 1300 RS 1500 RS 1700 AR 1900 EG 2100 IT 2300 GM 0100 SP 0300 FR 0500 EG 1200 SP 1330 FR 1530 FR 1730 IT 1930 SP 2130 GM 2330 AR 0130 FR 0330 EG 0530 SP (Tony Jones, Paraguay) Now partial sked monitored 30/3, on 15115/17714 at 2200-2300, and 15130/11705 at 2300-0500: 2200 GM 2230 IT 2300 SP 2330 FR 0000 EG 0030 GM 0100 FR 0130 EG 0200 SP 0230 FR 0300 EG 0330 SP 0400 FR 0430 EG. In every program, announcer said 19, 25, 31 & 49 m bands, but I heard only the frequencies above mentioned (Jack Linann, Venezuela) On 21/3, EG at 1230-1300 obs on 11925 (BBCMS)

**EGYPT** R. Cairo ES: 56SEAS: 1115-1215 AR 17920, 1130-1200 Thai 21465, 1200-1345 Indo 21465, 1330-1430 Bengali 17920, 1345-1430 Malay 21465, 1430-1530 Hindi 17690, 1530-1650 Urdu 17690. N&ME: 1500-1600 Pushtu 15175, 1530-1655 Farsi not traced, 1645-1745 Turkish 6230. AF (as "Voice of Africa") 1530-1630 Somali 17725, 1530-1730 Swahili 9770, 1600-1645 Zulu 17785, 1630-1730 Afar 17725, 1645-1730 Shona 17785, 1730-1815 Ndebele 17785, 1730-1830 Amharic 17725, 1830-1930 Wolof 15375, 1830-1915 Lingala 15255, 1845-1945 Portuguese 11780-not confirmed, 1900-2100 Hausa 15210, 1930-2030 Bambara 15375, 1930-2030 Fulani 15335, 2030-2200 French 15335, 2100-2200 Yoruba 15210. "VOA" pgms in Arabic, Nyanja/Chichewa and Sesotho previously broadcast have not been traced. Eur: 1700-1755 RS not traced, 1900-2000 IT, 2000-2100 GM, 2100-2215 FR all on 9805. Ams: 2330-2415 PT 11715, 9620-not confirmed. 2345-2445 FR 9475-not confirmed, 0045-0200 SP 11715/9740/9475/6230. 0200-0300 AR to SAM 11715/9740. (BBCMS 4/78)

**ETHIOPIA** VORE sked on 9595/7155: 0900-1000 Afar, 1000-1100 Somali, 1100-1200 Arabic, 1530-1600 French, 1600-1700 Amharic, 1700-1800 English, 1800-1900 Somali (BBCMS 3/78)

**FRANCE** RFI M78 FR to NAM 1155-1705 on 15440/17775/21645 per sked (Wilder Pickard, IL) On 2/4 changed to an hour earlier (gh) RFI to G&E/EA obs 1500-1700 on 15435/11805/11770/6210 (BBCMS 30/3) 15435 put strong harmonic on 30870 9/4 at 1600 almost to 1800 (gh)

**GREECE** VOG in Turkish 1100-1120 obs on 9655 ex-7215; //9760 not hrd. Greek to Eur on 9710 HS relay opening time varies, most recently obs 1100-1430 weekdays (BBCMS 30/3)

**INDONESIA** RRI anc'd that from 1/4 nat'l pgm xmsn time would increase 4 hours: 2200-0800 & 1000-1600; previously broke at 0100-0500 exc Sun (BBCMS 6/4)

**IRAQ** R. Baghdad DS "Voice of Masses" 0500-1300 on 9745 ex-6155 (BBCMS 30/3)

**ISRAEL** IBA "Reshet Beth" HS relay on SW planned for J78: 0400-0600 17630/15545/12077/300 kW to NAM on 9815. 0600-2000 low power 12077/17630. 2000-2310 high power 11625 to NAM; low power 17630/15545/12077. Also news at 2300-2310 on high power 9435/9815/11655/15485 (Larry Magne, PA)

**JAPAN** R. Japan's Regional Svc May 78 (NHK via Pickard, IL)

ME/NAF					1145-1215 ML	9675	11875		
1945-2015 AR	9700	11855	0930-1030 JA	9530	9605	11705	1200-1230 ER	9525	11780
2045-2115 FR			1030-1100 PT				1230-1300 VT		11840
N/LAm/Hawaii			1100-1130 SP				1300-1330 FR		
0100-0130 JA	15195	17725	17755				1330-1400 IN		
0230-0300 SP		17825	Asia				1400-1430 TH		
Europe			1230-1300 RS	9675	11725	11875	1430-1515 CH		
0630-0645 SW	17825	21570	1300-1345 CH				2300-2330 VT	11840	15300
0645-0700 IT			2245-2330 CH				SAs/Ar		15420
0700-0730 GM			0900-0945 KR	6030	7140	7205	1430-1500 EN	9670	11705
0730-0800 FR			2145-2230 KR				1500-1530 HD		
1800-1830 GM	9605	11950	SE Asia				1530-1600 UR		
1900-1930 RS			1000-1045 CH	7195	9705	11940	1600-1630 SH		
			1045-1115 IN	9675	11875		1700-1730 FR		

**JORDAN** BSHKJ DS in AR sked 0330-0730 11920/7155, 0730-0930 11920, 0930-1400 11920/9530, 1400-1500 11920, 1500-1900 9530, 1900-2310 9530/7155 (BBCMS 3/78)

13/4)

**KOREA SOUTH** R. Korea to ME now in AR 1855-1925 on 7550, preceded by one in Korean (BBCMS/

**KUWAIT** DS in AR also for abroad, Pgm I: 0400-0735 11940/7120. 0815-0945 21605/17750/9505, 0945-1315 21685/21605/17750/9505. 1315-1430 21685/17750/9505. 1430-1510 21685/17750. 1600-1800 11940/9840/6055. 1800-1830 9840/6055. 1830-1910 11990/9840/6055. 1910-2110 11990/6055. Pgm II: 0900-1500 on 9650. Urdu 1500-1700 on 9650 (BBCMS 3/78)

**LAOS** Pakse regional on 6600 2300-0130, 0400-0600, 1030-1330, in Laotian & Lao Soung, including Vientiane relays (BBCMS 13/4)

**LEBANON** R. Lebanon DS in AR on 5980 0355-0805 & 1630-1805; on 9545 1000-1610. But Sun 5980 0355 to approx. 1100, thence to 9545 (BBCMS 16/3)

**LIBYA** LAPSJBC on 9630 ex-9650 at 1230 //15100/11700/9630/9500. Voice of Arab Homeland pgm in AR 1900-0115 now on 11700/9630/9500/6100. 9630 ex-9650 strayed to 9550 18/3 (BBCMS 23/3) DS in AR opens at 0400 on 6185, joined at 1100 by 15100/11700/9650/9500. At 1600 15100 closes and 9550 replaces 6100. 1900-2255 on 6185, whilst "VOAH" continued 1900-0115 on 11700/9650/9550/9500 (BBCMS 30/3) Rather, 9500 is the only VOAH freq remaining on the air after 2200 (BBCMS 13/4)

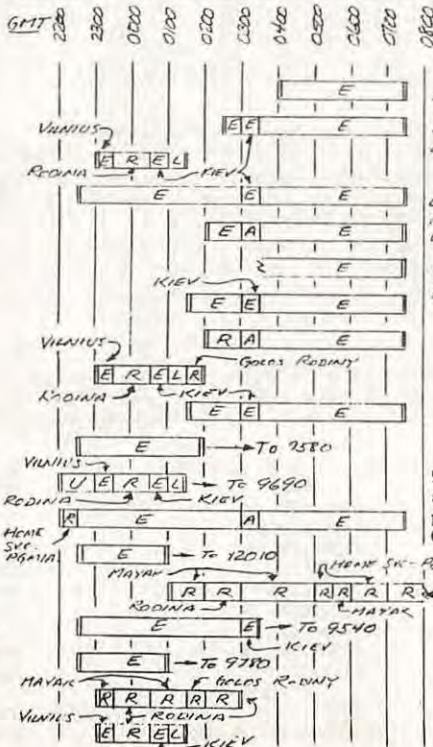
**MOZAMBIQUE** R. Moz DS "A" pgm in PT currently 0700-1500 on 15337 ex-15295 //11820/9620/7240/6115/4865 (BBCMS 16/3)

**POLAND** R. Warsaw has begun a new language, PT, obs 0430-0500 on 7270/6135, and 2100-2130 on 9675 and 7285, taking some channels from previously sked SP & SW pgms (BBCMS 30/3)

**SOMALI REPUBLIC** SBS ES: 1000-1100 AR 9585, 1100-1130 EG 9585, 1130-1200 IT 9585, 1200-1230 FR 9585, 1230-1330 AF 9585/6095, 1330-1430 Amharic 9585/6095, 1430-1530 Galla 9585/6095, 1530-1630 Swahili 9585/6095, 1630-1930 AR 9585, all Mogadishu. Hargeisa supposedly also on 11645/7120 at 1230-1530, but not confirmed due to severe interference (BBCMS 3/78)

**SWEDEN** Among the Karlsborg close-down casualties is the FR to NAM at 0230, now dropped. SSB J78 sked (5A3J) of Swedish Pgm-I relay from Varberg: 0500-0830 21550 80° SAs+Au. 0930-1200 21555 110° ME+SAs. 1200-1600 21555 ME+Af 170°. 1600-1800 17785 170° Af. 1800-2000 17785 250° Af+LAm. 2000-2130 15190 250° Af+LAm (STA via Pete Grenier, CA)

USSR F.F. Svc. To No  
AHR - F.E. SITES  
MARCH 1978  
KBR  
KBR  
9540 PETROPAVLOVSK



**URUGUAY** Due to reversion to GMT-3h on 5/3, SODRE ES now one hour later from 2200 on 11885, tho they play an hour of guitar mx and IDs from \*2100. R. Carve 6155 back on SW 6/3 after several months' absence, 1500-1700 & 2330-0130. R. Fénix 6170 now 1700-1900 & 0100-0500 (GMT Mon -0300). 6045/11835 both now R. Sport daily 1000-0300 (Tony Jones, Paraguay, 16/3)

**VIETNAM** Song Be Province DS in Viet from Thu Dau Mot City 1130-1200 on 4600 tho anmt gave 4838 kHz (BBCMS 16/3) Many Vietnamese stns announce 4838! Because they only give wave-length, 62 metres, which converts to 4838.7 kHz (Isao Ugusa, FEDXR) They need a lesson in significant digits, or does BBCMS? Anyhow, 4600 kHz is 65.2m, using the standard but inaccurate 300,000 conversion factor; 64.89 is more like it (gh)

## MISCELÁNEA RADIAL

**ANGOLA** Em. Reg. Cabinda, 5032½, good severalmorns at \*0525, announcing as 4970! Em. Reg. Malange, 4941.2 good with Colosal 4945 off at \*0459. Em. Reg. Benguela, 5040½ at \*0452 GMT Mon when R. Cinco 5041 off, with intricate bells IS, 0454 NA, past 0530. R. Nacional back on 4820 after being on 4825v (Pitt McNeil, DC, 20/3)

**ANTIGUA** BBC relay heard on 30840 at 2100, 2 x 15420, SIO 554 on 12/3 (Richard Stoller, NY) Pretty strong here too, but I wouldn't give it an S5; cf LN-1 (gh)

**ARGENTINA** (Cf Mar LN-4) Here's the explanation of R. Rivadavia on 9115 kHz. The station is 80% sports programming. To cover Chile, Uruguay and other neighboring countries, R. Rivadavia uses a SW station of Lvl, R. Colón, in San Juan, near the Chilean border. I heard it about 10 days ago on 4015 kHz, and on a Wed it was on 4030. The irregular sked is Wed 2300-0300, Sun 1700-2200. It's a mystery to me how R. Colón can have a SW outlet, used only for this purpose and never in parallel with MW, since private stations are not allowed to broadcast on SW (Mario Jorge Safier, Argentina, 7/4) Was this on SSB? Maybe 9115 was a feed to R. Colón from Bs. As., rather than coming from San Juan itself. The 22/12 reception was on a local Wednesday (gh)

**ASCENSION** Some BBC harmonics hrd: 30210 at 1930 in Hausa, 2 x 15105, SIO 354; 30520 at 2100 in EG, 2 x 15260, SIO 222. On 23640 at 2107 in PT, 2 x 11820, SIO 222 (Stoller, NY)

**AUSTRALIA** From 13 to 28/3, VLW Perth had propagation tests to the Kimberley region on 15425, #3 xmtr, 50 kW 2200-2300 via a 35° curtain antenna, and 1010-1100, #2 xmtr, 10 kW on a half-wave dipole. Following evaluation, the regular service on 15425 may be extended later in 1978. On 28/1, the 250 kW Carnarvon xmtr daily maintenance period was changed to 0130-0800, ex-1730-2100. On some days the 100 kW xmtr is used on 17870 from 0130 until maintenance completion. Each uses a different antenna--there is no break in xmsn on 17870 at changeover. The freqs used for the 30 kW Lyndhurst feeder are based on computer studies of propagation from Victoria to Western Australia. 12190 may be too low for daytime. Others available include 15870 16220 18215 18760, all used previously for feed to Darwin. 12190 presently in USB mode, not ISB (Robert Jones, April ADXN)

**BANGLADESH** RB obs on 15280 going into Urdu at 1400 (Mike Barraclough, England, 4/4)

**BRAZIL** R. Coari went on the air last August. Coari is a city of about 12,000 some 400 km up the Amazon. But the programming is not meant for city folk, but for people living along the edge of the river or on small lakes in the Prelacy of Coari. The people who run R. Coari are from the jungle who moved to this city to have a better life. A more complete address than WRTH has: Praça de São Sebastião, 137 em frente da praça, Coari - 69460, Amazonas. Freq is 2490, power 250 W (Fr. Martin Laumann, C.Ss.R., Redemptorist priest and chief tech at Radio Educação Rural de Coari, via Bob Donly, via April SPEEDX)

**CAMBODIA** Phnom Penh DS 4907 extended sked with revolutionary songs, 0030-0128 10/4 and 0202-0236 & 0300-0357 11/4, believed in preparation for National Day celebrations 15-17/4, as is customary. Normal sked on 4907/11945 is 0400-0500, 1100-1500, 2300-2400 (BBCMS 13/4)

**CANADA** CFCX 6005 hrd 18/3 at 0930 with programming from KJR-Seattle! including Seattle ads but time in EST. At 0950 in mid-song quick ID for CFCX-SW, then back to CFCF programming. Very strange (Jerry Berg, MA) They were playing a record called "The Cruise Series", which was a simulation of a bunch of rock & roll stations from the early 60s. The program on the record was complete with the actual radio station ident jingles and announcements, so unless you heard the introduction to the record, it would have sounded like any one of several American rock and roll stations (Ian McFarland, Montreal, RCI DX Digest 16/4)

The computer at Sackville is at it again! On 14/3 I was listening to BBC WS at 1740 on 15365 via Sackville. Suddenly, this freq switched over to RCI in German! until closing at 1743 (Jay Novello, NY) DXers got a good earful of bilingualism on RCI at 1730-1739 18/3 when French & English were on the same frequency, 15325. Hard on the earballs (Capt. R. A. Serenberg, Jr., FL, April R.I.B.) I was listening at same time, called Sackville, and they got the message that something was amiss. They need more human oversight (gh)

(Cf Mar LN-4) Re CHU on 9173. There is no doubt that you were indeed hearing CHU. We transmit A3H (USB with full carrier). I am at a loss to explain the reason. In no way can I arrive at 9173 with any combination of our crystal frequencies. It may be that some

other transmitter in your area was operating on a freq related to 7335 or 14670 by 9173 kHz as for example 16508, 1838 or 23843, 5497 (S.H. Sheard, CHU, 27/2 letter to David Walcutt, IL) Or maybe some other transmitter on 9173 was relaying CHU for some reason (Walcutt)

COLOMBIA R. Boyacá is yet another Colombian whose harmonic is being hrd on 2340 kHz until 0400\*. Not same as previously reported unlisted R. Cúcuta. So we've had 3 different HJ harmonics on 2340 during the past year; La Voz de Heroica last summer. During the last week of Mar, two LAm BC stns could be hrd simultaneously on 2340, neither IDable (SWNS Apr)

La Voz de María (sub ID Em Kennedy) reactivated on 4775 to 0400\* (Pitt McNeil, DC, 3/4)

COOK ISLANDS RCI on 5045v 0449-0538+ playing light mx to 0500, then news in some lang, islands mx, native lang news at 0532 past 0538. Not much trouble from Togo with this on LSB. Best time is Mon GMT when Cinco 5041 is off, hence no splatter (Pitt McNeil, 11/4)

CUBA R. Dobleve, Sta. Clara on approx 1675 kHz, 0510-0531 22-23/3, in SP, mx & amnts; ID & 0530\* with Cuban anthem; poor-to-fair with noise interference (Richard McVicar, Ont.)

Cadena Agramonte, Camagney province noted on 1670 around 0400 20/3, and many nights since. Good sigs but imperfect mod and QRM from beacon BGA Bucaramanga. This may be the Cuban formerly drifting around 1583 (SWNS) Oh, McVicar said it was a harmonic, 2 x 837½? (gh)

DOMINICAN REPUBLIC R. Clarín's Rudy Espinal says he would like to receive cassette tapes of their 2300 pgm. You can also QSL by cassette if you wish, and request one (Ed Inseinger, NJ, 18/3) He's also been putting tapes from listeners on the air, while pleading that they try to sound lively like he does (gh)

ECUADOR HCJB doesn't say much about exactly which powers are used on which frequencies, but some conclusions can be drawn on certain bands; the 3 100 kW RCA xmtrs can operate on all bands, but the HCJB-built 50 kW operates only on 16 thru 25, and the HCJB-built pair of 30s operate only 16 thru 31m. Plus the regional (6050 kHz) with 50 kW. (Pamphlet "Let's Get Technical about HCJB") I read your curious comment in Apr 78 PE. You would be amazed how many Russian speaking people there are in NAM. They appreciate something in their native tongue besides propaganda. And guess what's over the North Pole on the NAM beam--evening in the US, morning in Russia, 'two birds with one stone'. We're working here in Elkhart on a better slingshot (Arbra W. Bliss, HCJB Project 500, 57620 - CR 105 (South 17th St), Elkhart, IN 46514. Phone (219) 293-4252) AIDX is sponsoring a carpool excursion from Chicago to Elkhart Sat 13/5 to visit Project 500. You can meet us there, or write AIDX, Box 95073, Schaumburg, IL 60195 right away (Jeff White, AIDX "Qué Pasa" on DXPL 13/4)

EGYPT Figure this out. Cairo in FR on a nice neat 15500 kHz, overmodulated AM, but don't think SSB. Jamming noise half the time, and faint AR mx in background, 1/4 2150-2206\* abruptly. With 3 or 4 sites now, possibly a feeder? (Richard Stoller, NY)

ENGLAND Capital Radio is being broadcast on 6240. First obs 1/4 excellent level before 0800 past 1800, unknown if 24h like MW + FM. Called IBA and they said that an illegal transmitter in South London was involved. It was last noted on 5/4 (Mike Barraclough, England) They got reports from all over country, and Sweden (Reg Holway, WDXC Contact)

GERMANY WEST On 3/5 DW celebrates its 25th anniversary. The station has come a long way in 25 years, from the first broadcasts solely in German, the stn now has 93 programs daily in 34 langs. Warmest congratulations to DW (George Wood, SCDX)

GUINEA-BISSAU Rdif. Nacional, 5041, back on the air, \*0558, very strong (Pitt McNeil, DC, 11/4) In opening amnt at 0601 on MW, a SW outlet in 90mb is announced, but unfound. Hrd opening at 0900 on Sat/Sun on 7150. Closing at 1501 they mentioned 5041 on 30/1; 7150 came back at 1657 also giving 5041 in amnt, saying would close at 2400, but QRM on 7150 intolerable past 2205 (Rikard Johansson, Mar DSWCI SW News)

HUNGARY R. Budapest has begun to BC in its ES recordings prepared by the UN, for 1978--"International Anti-Apartheid Year". R. Budapest said 10/4 it was pleased to join the project, and would BC the UN pgms every Sunday, repeat Thursday, as from 9/4. So far unconfirmed, perhaps during normal ES programming. At present none of R. Budapest's ES pgms are beamed specifically to Africa (BBCMS 13/4)

INDONESIA New stuff to add to all those other Indos we cannot ID, hrd in last two weeks, mostly unlisted in surveys; time 1200-1500 u.o.s. Freqs: 2284, 2377, 2448, 2857-could be RKPd Tk.II Magelang, 2935 to 1500\*, 3000, 3005, 3010, 3015, 3022-could be RPD Tk.II Kendal, 3025, 3027, 3042, 3066, 3084, 3127, 3157, 3179-two of them, 3184, 3314, 3835, 3865, 3871, 3873, 4177, 4496, etc., etc. There are some! 4120, listed RPD Tk.II Garut is heard 1030-1300+, no positive ID. 3117, RDK Serang to 1600\*. 3850, believed Timor, excellent, but declines to ID and rarely relays news. 3804, believed to be R. Maubere freq, has a weakie at 1430. 3446 seems RRI Purwokerto (Mike Willis, Nedlands, Western Australia)

ISRAEL What has happened to the IBA? Could the PLO have gotten to the transmitters?? (Pete Grenier, CA, 9/4) For past week, all I get on IBA freqs is open carrier or het. Is Israel having a long holiday, trouble in the English dept., or being jammed? (John S. Sterling, SC, 11/4) I consistently heard a tone during 2230 checks, until on 12/4 they were back with pgm leading with nx item that 11-day journalists strike was settled (gh)

JAPAN JJJ 5000 kHz under WWVH 16/3 1219-1220, time about half a second faster than WWVH! (Bill Whitacre, MI) When is the world coming to? (gh)

KENYA VOK GS obs again with tests 1000-1102 in EG on 11765, and returned to air 1110-1130\* with school programme in EG; erratic on 11765 (Richard Ginbey, RSA, SCDX 11/4) VOK'GS obs on 4934. Regular 4804 normally used 0300-0620 & 1300-2010 was not hrd (BBCMS 13/4) On new 4934 ex-4804, fade in 1730, power increase (Noel Green, BBC WRC 12/4) On 4934 at \*0259, high power; alternates with 4804 (Pitt McNeil, DX, 16/4)

KOREA SOUTH AFKN hrd on 2400 kHz, evening 13/3 to morning 14/3 local time, good signal // 580 etc. Not hrd 14/3 evening (Sei'ichi Hasegawa via NDXC via FEDXR) Not confirmed by the editor's check, maybe test for the day only? (Yoshiaki Hayashi, FEDXR)

LAOS Houa Phan National Radio hrd on 4222 around 1050-1130\* Lao till 1115, then in minority lang. Per BBCMS it is Lao Theung, but for me it sounds like Lao Soung. Also from \*1255 (Isao Ugusa, FEDXR)

LEBANON Voice of Lebanon hrd on 6570 apx 0450-0532 in AR, including doorbell chimes like R. Rumbos in 0515-0520 and 0530+ periods, good signals 6+8+10+31/3 (Richard McVicar, Ont.) Here is the address: B.P. 165271, Achrafieh/Beyrouth, Lebanon (Ara Balian, Germany, SCDX)

LIBERIA An article in the 6/3 Winnipeg Free Press implied that UN anti-apartheid xmsns to RSA from VOA Monrovia did not begin 1/3 as scheduled (SWNS) Cf HUNGARY, LN-7 (gh) ELBC not on SW any more it seems. Have been trying the Tropical Bands up to 49m in vain the last months when in the vicinity of the stn. No mention of SW on the MW outlet (Rikard Johansson, Mar DSWCI SW News)

LIBYA Per QSL from Robin Banks, MEB0 II xmtr engr, stn hopes to be back on SW & MW soon on new fqs of 1232, 1610, and 6205 kHz (the last is hardly new) and possibly a second SW outlet, most likely in 4m band (Thomas Drescher, GFR, SCDX 21/3) Regular xmsns back on 6205 in EG, no longer tests from Mebo II radio ship but rather pgms produced by the Libyan State Radio. Unclear if on MEB0 II or land-based xmtr; monitored 1600-1900 in Israel (Hans Bänke Israel; Gjalit Woudstra, Neth, SCDX 4/4) On 24/3 I logged MEB0 II on 6205 from 2058 past 2130 with non stop pop mx, and from 2130 relay of PRBS in AR, SIO 343 + a few times since (Mike Maghakian, NY) The radio-ship "Mebo II", believed to be anchored in Libyan waters, obs 12-13+15/3 relaying DS foreign lang pgm of SPLAJBC on 6206. Anmt didn't mention 6206, but said FR would return at 1410, EG at 1600-1828 (BBCMS 16/3)

MALTA Cairo paper 'Jaridai Misr' reported 14/3 than an anti-Egyptian radio had been established in Malta, "The Arab Front of Egypt", set up by Moscow with Col. Qadhafi's money, and employing two Libyans, four Palestinians and two Egyptians (BBCMS 23/3 which adds: to date, no reports on freqs or times)

NORWAY R. Norway hrd on 12030 at \*1100, 2 x 6015 (Noel Green, BBC WRC 12/4) R. Norway is using less power and fewer transmitters than at any time in the recent past. The 250-kW xmtr has been out of action for lengthy periods, and only three xmtrs are in use at any given time, the fourth being kept in reserve to stand in during the numerous breakdowns of the others. Also, local farmers have demonstrated against construction of the new super-powered R. Norway transmitting station at Kvitsøy recently, but work has resumed (Richard E. Wood, NH)

OMAN Masirah Island test? While BBC Urdu was in progress on 11910 from around 1540 to abruptly off at 1610, hrd another BBC stn playing BBC tuning signal continuously and QRMing BBC's regular service. IFRB lists Masirah 100 kW to SAs, so this may have been an equipment test. Letter from BBC a few days prior to that said the stn would soon start testing (G. Victor A. Goonetilleke, Sri Lanka, UADX) This SW xmtr was on the verge of going into service to serve India & Pakistan when hurricane struck last June. This extra strengthening signal is expected to be ready this spring (WDXC Contact)

PAKISTAN Got one that's just unreal. R. Pakistan, GOS on 21590 with dictation news at 0230 -0245\*, SIO 353 29/3. Very clear. Couldn't believe it at first (Gerry Bishop, PA) Could not believe 21590 at first--13m is alive again, hrd 12/3 at 0230-0245 (Don MacKay, DE)-(gh): Could not believe it at first, but 21590 hrd 9/4 at 0228 with IS, SIO 152, but 17830 better

PHILIPPINES FEN? heard on 3050 USB 2000-2300 fade in EG; at 2200 gave 6 AM local time (Shigenori Aoki, NDXC, via FEDXR) Tape ID as "FEN-Philippines". Sometimes AFPN relays FEN pgm, so maybe feeder to AFPN? or test? Not confirmed editor's check (Yoshiaki Hayashi, FE) FEBC 9505 has 'backed' to 9497 (Isao Ugusa, FEDXR) From 5/3 VOA began using all ten 250 kW Tinangs simultaneously, believed due to Phil govt request for use of former 250 kW standby. The special taped music xmsns of VOA should now be heard only outside of regular broadcasting times, such as on 15200 (Robert Jones, ADXN)

POLAND PRW still exists, being heard again on 15120 at 0200 in EG (Richard M. Utter, NY, more POLAND LN-9 23/4)

QATAR Due to absence of RNE on Good Friday, Doha was heard on 9570 1950-2101\* in AR, peaking around 2000, comparable to usual 1300 peak during winter days. S/off preceded by short small-band anthem. First time noted here at s/off, 24/3 (Victor C. Jaar, PQ) Good Friday 1979 will be 13/4--mark your calendar! (gh)

POLAND (oops) Polish Pathfinders Stn moved from 7207 to new 6200 just before Easter; good reception in Denmark (Nilsson, SCDX 18/4) No time given but was sked 1100-1700 weekdays & 0900-1700 Sundays (SCDX ed.)

RHODESIA A curious statement in RBC's QSL letter: "In accordance with CCIR regs all our SW aerial systems are designed to cover Rhodesia only by directing our xmsns vertically, limiting radiation at low elevation angles. However, your report shows that even with the best designs side lobes and radiation conditions our xmsn arrived at your station. Whilst it is nice to hear from you it would have been even more pleasing if you had told us that you could not receive us." (J. McGlinchey, C.T.O., RBC, 28/2 via Jack Conover, KS)

SA'UDI ARABIA BSKSA Riyadh noted occasionally around 1200 in AR on OOB 21950 (Robert Chester, SA, R. Australia DX 16/4) If this were not stated with such certainty, I would suspect transposition of 21590 (gh) Riyadh, ID per Dan Robinson, on 6265 at 2303\*, 0326 (Pitt McNeil, TDXN, 19/3) Moved to 5875 at 2030 as of 25/3 (BBC WRC 29/3 from Noel Green) On new 5860<sub>4</sub>, presumably ex-6265, at 2240-2300\*, good sigs (Pitt McNeil, 16/4)

SEYCHELLES FEBA on new 11840 in AR at 0350, ex-11860 (Victor C. Jaar, PQ, 12/4)

SOMALI REPUBLIC Hargeisa on 14240 in Somali around 1300 past 1600 good, some ham QRM (G. Victor A. Goonetilleke, Sri Lanka, UADX Mar-Apr) Must be 2 x 7120 (gh)

TAIWAN Tentatively Taipei HS outlets noted on 15220/15235v around 2200, and Gordon Darling says another one is on 7360v as early as 2000 (Mike Barraclough, England, 4/4)

UKOGBANI (Cf Apr LN-5) I also heard BBC feeder on 15105, 3/12 at 1856-1900\* with synthesized electronic IS, continuous, then normal IS once and off (Frank J. Hermann, Ont.) But was it on SSB? (gh) VOA Woolferton hrd on 24160 in EG at 2117, SIO 343, 4 x 6040; bad fades. Very interesting stuff, I think. (Richard Stoller, NY, 12/3) I hear it too (gh)

U S A WYFR. Re their off-air monitoring receiver, a direct demodulator Belar that did not respond to the FMing caused by a 'buzz' in the xmtr frequency synthesizer. FCC requires BC stns to submit reports of Proof of Performance in which, i.a., the audio frequency response is measured. If a superhet rx were used, the high-end response would become an artifact of the IF response curve used in the rx/demodulator. It would be impractical to employ an IF strip greater than 30 kHz wide that would not have serious passband ripple and/or envelope delay distortion. In order to accurately measure freq response, direct demod is used.

This has not been a problem in the past as virtually all broadcast transmitters were crystal controlled, and this type of 'buzz' problem just did not exist. Even with the advent of synthesizers for generation of SWBC freqs, this type of problem should be quite rare--assuming a well-designed synthesizer is used--and my advice to any station operator using one would be to check his received off-air signal with both the station monitor and a regular receiver at periodic intervals, and to pay attention to incoming reception reports! (Bob Foxworth, NY) After all this time, the WYFR 'buzz' is frequently heard still, e.g. on 21525, making their signal almost unintelligible--but if they don't care, why should we?(g)

KGEI. We have a very extensive research program to help us know our listeners and to make decisions that will affect our ministry in a positive way. FEBC froze our budget, so we had to make cuts. In June 1977 we began a research project to discover where we could trim our broadcasts without hindering our ministry. Over the air we offered a color photo of the Golden Gate Bridge, requiring listeners to state the time they heard the offer. We learned that our morning and evening program skeds drew approximately the same amount of response. However, the morning schedule had a higher average response per hour. Altho there are more potential listeners in the evening, there is also more competition from other SW stns, and more interference. In the morning only R. Havana and KGEI are on. Our project revealed that our frequency change at 0300 GMT caused a great drop in our response and was slow to build up again. Our Asian schedule has already been trimmed to only 1 hour in Japanese, Mandarin and English each and 2 hours in Russian. KGEI would save \$2,450 per month if Asian languages could be put on the 50 instead of 250 kW xmtr, but the signal would drop drastically unless we spent \$100,000 for a better antenna for Asia (Steve L. Overstreet, KGEI Newsletter exc., 4/78)

AFRTS. Tho they have had a budget cut and 95% of their programs are sent by satellite and cable to AFRTS stations, there is a considerable audience who listen to AFRTS SW. "In view of this, the Director of the VOA, Mr. R. Peter Straus, has agreed to continue the VOA SW BCs of AFRTS until we can jointly determine how additional funds can be made available (Maj. Gen. Guy E. Hairston, Jr., via Arthur Cushen, NZ)

VOA. Effective 1/4, USIA is being consolidated with the State Dept's Bureau of Educational and Cultural Affairs to form the new International Communication Agency (ICA). USIA Dir. John E. Reinhardt said the 'core management' of ICA will consist of a director, a deputy director, and four associate directors. Internal struxure of VOA remains essentially unchanged, but elevation of the VOA chief to assoc. dir. is intended to recognize VOA's importance and preserve the integrity of its news operation (Federal Times, 20/2 via Will Martin, MO) A panel of leading newspaper and radio personalities has recommended sweeping changes in the role of the VOA's news broadcasts and the development of new protection for VOA correspondents from interference by the State Dept. The role of the Voice, the govt's

official broadcast arm, and particularly its freedom to use its correspondents as it wants, has been a long-running battle in Washington. The independent panel argued that the VOA 'must have the right, free of diplomatic restrictions, to gather and send news to Washington headquarters.' (The Courier-News, 14/3, via Ed Insinger, NJ)

WTMA Hrd this Charleston SC harmonic 0604-0615 5/3, poor to good, fading over WWV on 2500 kHz! (Richard McVicar, Prescott, Ont.) Now that WTMA has cured its technical problems, the only BCB harmonic currently QRMing WWV seems to be La Voz del Progreso, Dominican Rep. (SWNS Mar-Apr)

VIETNAM Quang Ninh has been untraced on 4708 for more than a month, last heard 24/2. Other regionals: Bac Thai still on 7082-90, Son La on 4771 & 6329; Cao Lang very poor on 6261; Binh Tri Thien untraced on 4680 (Isao Ugusa, FE DX Review, 1/4)

YUGOSLAVIA R. Jugoslavijska's new address is Hilendarska 2/IV, P.O. Box 880, 11000 Beograd (Allen Dean, Burnley, UK, WDXC Mar mid-monther)

ZAFRE La Voix du ZaFre obs at 0500 on 11720, a freq not used for many years, //7255, seems ex-15245 & 15350, which have not been obs for several months (Richard Ginbey, RSA, SCDX 11/4)

ZAMBIA R. Zambia, Lusaka, hrd on new 9600 ex-9585, EG from 1406, vern 1430 (Roland Schulze, W. Germany, SCDX 4/4)

## CLANDESTINE CRANNY

Voice of the Voyager, 5850v, fairly regular on GMT Sat and/or Sun in 0500-0600 period, noted 15/4 with telco loop phone 212-626-9906; I reached them shortly after closing, and a QSL was promised. 16/4, programming as reported elsewhere, opening with guitar IS which I taped and put on RCI DX Digest 23/4; closed at 0542 with unison chant "May the spirit of the Voyager be with you always". Missing 22/4, but on again 23/4 (gh) On 23/4 used phone 415-282-0045. The loop could be accessed from anywhere (Dave Walcutt, TX) During the 1/4 broadcast they mentioned Voyageur National Park in Minnesota (SWNS) Hand-lettered QSL sheet received, post-marked Ann Arbor MI, mentioning "your Free Radio Broadcasting Station from The Mighty North! Illegibly signed by Top man BBI Radio Network and by Top Man Voice of the Voyager (Jack Jones, MS) Evidence points to a site in the Marquette MI area (Dave Walcutt, TX)

Jolly Roger Radio, 6210 expects to be active from Indianapolis IN and other locations consecutively, throughout the midwest US. Uses 30 watts into a 24.5m dipole. Format is generally progressive rock and classical music. Has been active on 1170 kHz MW and 98.7 MHz FM. I will serve as conduit for reception reports and QSLs for anyone who hears this station. I am neutral in this operation (Charles A. Taylor, 936 N. Temple Ave., Indianapolis IN 46201) Noted on 6210 at 0030 15/3; variety of music, including some contemporary Irish folk after 0100 (SWNS) Hrd at 2358 (David Peters Sr, KY, undated, Apr SPEEDX)

"Radio 85", 3885v. I am hearing a lot of hobby pirate activity around this freq--mostly playing music; once I heard a philosophical discussion between songs. Usually no talk, never an ID. The freq is a hangout for a clique of young, engineering, AM hams with high fidelity audio. They boast of their audio surpassing that of commercial broadcasters. They're not exaggerating. The audio from their kW rigs is exceptional. The music is most likely played for audio quality reports from friends. Some hams to listen for on or near the freq include WAHLR, WAISOV, WB2ISI, WA2FAF (Steven Kontos, NY) 3882 at 0425 30/3, pirate with music by Kraftwerk and Steve Miller, into a sermon; good (Terry L. Krueger, FL) 3885, pirate at 0504, 2 men talking, some 'cussing', power stated as about 700 W, SIO 322, 12/2 (Ricky Baum, FL, SPEEDX) 3881, unID with uninterrupted pop mx, good copy at 0735 4/3 but going downhill by 0830. Colorado ham on same freq was complaining about its S6 signal (Bryan Clark & Tony Marr, New Zealand, NZDXT)

WINT, Radio 62, Radio Free Music Power, 6205, hrd 21/3 2255-2330 and 23/3 2325-0005 with Westminster Chimes as IS, American pop mx, EST, 20-second slow 6-pip TS. WINT is an FCC-unallocated call (Bob Donly, SC, SPEEDXGRAM)

Lucky Seven, a pirate TV station broadcasting blue movies and other films, in the Syracuse (NY) University area, a 'weekend operation' active 15/4 and 16/4 on channel 7. It was announced by a man wearing a gas mask and a noose around his neck. When an all-female chorus completed the Lucky Seven theme song, the station's logo-dice rolled to seven--appeared on the screen (UPI via UT Daily Beacon, 20/4)

Radio Viking, somewhere in northern Europe, is on the air Sun 0900-1130 on either 6225 or 6240. New address: P O Box 4040, Amsterdam, Holland (press release via SCDX 7/3)

Skyport Radio testing on 7395 12/3; massive signal indicates their claimed 15 W is an underestimate (Travers & Darling, WDXC Mid-Monther)

WDDX (or WDBX?) (cf Apr LN-7) On 28/11 used one of these loop numbers, offering to accept COLLECT calls. It would, we believe, be impossible for the phone company to subsequently bill the station for such calls: once the loop connexion was broken there would be no way of tracing the station. Further if a DXer were 'smart' enough to call from a phone booth, there would be no way the phone company could come back on him for the price of the call (SWNS)

Radio Rebelde (Cf Mar LN-6) My Spanish teacher, a Cuban refugee and head of "Youth Against Castro" says the name of the speaker is "David", not "Abito" (Chris Hansen, SPEEDX) I must agree; tnx to tip from Stu Klein in FL, who said it was 30 over 9, I heard R. Rebelde myself 14/4 at 0358 with commentary on Venezuela by Comandante David, soon into quasi-ham contacts; blaming 7075 music QRM to his 7077 kHz frequency, on Cuban jamming; actually, it was R. Cairo; QSY to 7080; 0443 claiming again to be in Oriente (gh)

La Voz de Cuba, a clandestine I heard in Feb on 6100, anti-Castro and anti-communist, from 1018 to 1045\* Gave an address in California sounding like Deir or Dein. QRM from R. Calama, and never heard again (Mario Jorge Saffier, Argentina)

Spy Numbers On 3815, "Atención 010 86" has been showing up around 0500 on odd-numbered days such as 1/4, 3/4, 5/4. 5/4 was typical: 0500 precisely, open carrier on, 0502, two brief bursts of 1500 Hz tone, 0503 "Atención 010 86", 0513 message concluded with "final, final", and 0514 carrier off. Also a CW stn on 3805 at 0530, badly keyed; one message used "QTM", which means 'magnetic heading' (Harry Helms, SC, 9/4)

Voice of the Chilean Resistance, via Algiers "capital of the Third World", obs 0003-0030 on 7246 & 6160 ex-7060, tho announcing 9680, 9510, 6160 (BBCMS 23/3) With DST time changed to 2305-2330, on 7230 & 6160 (BBCMS 4/78) Voice of the Free Sahara was at 2100-2200 on 15160 only, later at 2000-2100 in AR/SP and/or FR or verns, on 15160/11810/11740 (BBC 16/3 & 4/78)

Voice of Palestine, Voice of the Palestinian Revolution Morn xmsn since 11/3 on 1508 at 0430-0530 ex-0400-0500 (BBCMS 16/3) Voice of Lebanon reported 16/3 that Israeli aircraft had the previous day bombed a three-storey building in the Awazi area which had housed a Palestinian radio station (BBCMS 23/3 which adds: probably reference to VOPVOPR, PLO stn on 1508, not hrd during sked 1500-1700 xmsn 15/3 nor subsequently) Since DST in Algiers 24/3, VOPVOPR pgm retimed to 1503-1605 apx on 15240/15138/11785/9705/9685/7195 (BBCMS 30/3) On 2/4 it reverted to 1603-1700 due to requests from 'great numbers of listeners in the Arab Maghrib and Europe' on 15160/11810/11740/9705/9685/7195 (BBCMS 6/4) After having been put out of action, as above, VOPVOPR returned to MW 1520 kHz 1603 27/3 with music tests. Normal programming resumed 31/3 with an Arafat speech, erratically sked at 0500 & 1500 (BBC MS 6/4) At 1500-1700, which 5/4 mentioned a second wavelength of 265m (1132 kHz), but traced on 1150 this day only not since //1520 (BBCMS 13/4)

Voice of Arab Lebanon Anti-Falangist, obs intermittently this past week on 1475; it was last observed on 21/1/76 on 1515 kHz (BBCMS 30/3)

Voice of Arab Syria, anti-Syrian regime on 6170 ex-6060, //9510, daily in AR at 0500-0600, 0800-0900, 1800-1900 (BBCMS 6/4) Voice of One Lebanon, 'anti-Syrian involvement in Lebanon', also on 6170 ex-6060, in AR //9510 at 1030-1130 & 2030-2130 (BBCMS 6/4)

Eziz Radyo, pro-communist for Turkey, hrd on 9585 at 0459 sign on with full ID, and folk song, same as Voice of Turkey's but different arrangement, very good on 5/3, 31/3 and 1/4 (Richard McVicar, Ont) Believed to transmit from East Germany & Romania, sked: 9585 at 0500-0550, 1050-1115, 1740-1810, 1910-1925. On 9500, 1015-1045. On 5915, 2000-2030, 2030-2100. On 6200, 2005-2020, 2120-2155 (BBCMS 2/78)

National Voice of Iran, 6025, announced it would not retime its pgms for Iranian DST as of 24/3; still at 1730-1745 Farsi, repeated 1800-1815; Azerbaijani at 1745-1800 (BBCMS 13/4)

Voice of Namibia via R. Tanzania hrd 2/4 at 0417 on 15435 in EG & vern (Mike Magharian, NY) Via Brazzaville, in EG Mon-Fri 1630-1700 obs on 15190 & 4765, also mentioning 9 & 6 MHz channels (BBCMS 6/4)

Voice of Zimbabwe, via R. Mozambique, 1800-1845 daily on very loud freqs: 3265/4856/6005; all in EG, ends with words "Victory is certain"; the pgm, prepared by ZANU condemns the settlement Smith has secured with what the pgm terms 'the help of black renegades'. Much playing of the tribal liberation song which mentions Zimbabwe (Mike Willis, W. Australia)

Voice of the People of Burma extended sked 28/3 to commemorate 30th anniversary of Burmese Communist Party's struggle, by one hour. On 2/4, retimed 6304 Sun/Tue/Thu/Fri xmsn from 1330-1430 to 1030-1130 (BBCMS 6/4)

## FUTURE PLANS

AUSTRALIA ATC is planning for installation of xmters at Cox Peninsula near Darwin for the Northern Territory domestic SW service. Site selection study for the permanent RA stn in the North West Cape area is continuing. Investigations proceeding for sites further inland, and as far south as Geraldton, to minimize risk of possible future cyclone damage (Robert Jones, Apr ADXN)

BRAZIL Tony Jones' report about our SW stns moving from HF to tropical bands rather than going off is not correct. Most of the stations affected are south of the Tropic of Capricorn and would not be assigned to tropical bands. Brazil's forthcoming international service will be needing all the channels it can get (Luiz Roberto de Medina, DX Clube Brasil)

GUATEMALA AWR America to put on a 20 kW SW xmtor on 25/31m this year (AWR DX, Barraclough)

IRAN ordered 16 x 500 kW SW xmters from Thomson-CSF for 300,000,000 French francs, to be set up at one site near Teheran, largest in the world (Georges Cany & Louis Aubré, SCDX 28/3)

**PORTUGAL** R. Renascença, the Catholic stn, was to launch a campaign 10/4 on the occasion of its 40th anniversary, to acquire new xmtrs thruout Portugal, but its first objective is to reach all groups of Portuguese emigrants thruout the world on SW. Xmtrs for this were purchased 11/77 and delivery will be made by yearend 1978. R. Renascença expects to be on the air at yearbegin 1979 to CEu, SAF, NAm, SAM (BBCMS 13/4)

**SINGAPORE** BBC is replacing its Tebrau, Malaysia "Far Eastern Station" site with one only 15km away in Kranji, Singapore. Two xmtrs already in operation. Since 1975 the 14 ha swampland site has been filled to raise its level by about one metre and at one point 800 lorry-loads of soil were being tipped into the swamp each day by local contractors. Even so, because of the swamp the actual relay stn transmitter house has been built on piles, and eight of the aerial support towers from the total of 17 which have been erected at Kranji and the receiving station at Ponggol, some 15 km away, have been built in the sea. This new SW relay stn will transmit the BBCWS in EG and the vernacular ES to the same area as the present Tebrau stn. The work will, it is hoped, be completed by spring 1979 when all the xmtrs will be transferred from Tebrau to Kranji in an orderly fashion so as no loss of broadcasting is incurred. The buildings and masts are complete and half the aeriels are finished (BBC Staff Journal and Mike Barraclough, WDXC Contact)

**SOUTH AFRICA** There is no possibility of R. RSA jamming the new UN transmissions to South Africa. The SABC would not waste their new SW xmtrs. Propaganda has been pumped at RSA for some years and no attempt has been made to jam. The new 500s are giving excellent reception in USA+Canada+West Africa+Holland+East Europe, but not the UK. There will probably be an antenna slew to put a better signal into UK. There is talk of reintroducing the West Coast USA xmsn either 11/78 or 3/79, but not official yet (Gerry E. Wood, R. RSA, 3/78)

**SRI LANKA** DW has been given go-ahead to build a relay here, as previously widely reported. But as we understand it, the only permission given was by the Ministry of Defence of Sri Lanka. No notification was given to the SLBC. The stn is expected to have 2 x 250 kW SW xmtrs and one 100 kW MW xmtr at Trincomallee, in northeast Sri Lanka, the famous British harbour of WW II. There still is a law forbidding anyone other than SLBC to broadcast in the 3 principal langs in Sri Lanka, that is EG, Sinhala & Tamil. So, if DW hopes to xmit pgms in EG, it will have to hand over controls of the stn to SLBC. Otherwise, we can expect a new law legalizing these xmsns! (Victor Goonetilleke (?), RDXL DX World Monitor)

**SUNSPOT CYCLE 21--THE PEAK, HOW MUCH, AND WHEN** Likely the most accurate method has been devised by Soviet scientist A. I. Ohl, and enhanced by H.H. Sargent III of SESC Boulder. The theory is based on the regression of recurrent geomagnetic activity recorded from the prior cycle to predict the sunspot maximum of the forthcoming cycle. Accuracy appears to be w/in 1% to 5% of predicted values. The Cycle 21 predicted maximums of 50-60 have already been exceeded; the 2/78 smoothed sunspot level already reached at least 90 with the peak still some two years in the future! Predicted arrival date of the maximum cycle 21 is early 1980. Predicted Smooth Sunspot Maximum for Cycle 21 by Ohl/Sargent: 153.6. Twelve-hour periods with geomagnetic "A" indices of 100 or more expected in next ten years: 81 (an A-index of over 50 indicates a major geomagnetic storm). It is clear that if predixions hold true, Cycle 21 will be a whopper and will likely parallel Cycle 18 and have an impact almost as severe as Cycle 19. During periods of high solar activity, many services will be detrimentally affected. Monthly smoothed predicted sunspot numbers using the modified Ohl method:  
 Jan 78--58.6 Aug 78--93.6 Mar 79-116.8 Oct 79-140.8 May 80-153.6 Dec 80-141.2 Jul 81-126.2  
 Feb 78--64.4 Sep 78--97.6 Apr 79-120.3 Nov 79-145.0 Jun 80-152.2 Jan 81-139.0 Aug 81-125.6  
 Mar 78--69.6 Oct 78--99.7 May 79-124.5 Dec 79-148.1 Jul 80-150.9 Feb 81-135.8 Sep 81-123.4  
 Apr 78--75.0 Nov 78-103.3 Jun 79-127.8 Jan 80-151.5 Aug 80-149.8 Mar 81-133.7 Oct 81-122.3  
 May 78--80.6 Dec 78-107.1 Jul 79-131.1 Feb 80-153.4 Sep 80-146.2 Apr 81-134.8 Nov 81-121.2  
 Jun 78--85.1 Jan 79-110.8 Aug 79-136.1 Mar 80-152.0 Oct 80-145.4 May 81-127.8 Dec 81-120.6  
 Jul 78--89.5 Feb 79-114.6 Sep 79-138.2 Apr 80-152.0 Nov 80-143.7 Jun 81-126.2  
 (O. Okleshen W9RX, HR Report, 17/3/78, via Bob Foxworth)

**U S A** VOA has received funding to add a new language as of Fall 1978--Hausa. The problem is finding qualified journalists who speak it. VOA is also adding 12 new xmtrs by 1980-81, 4 each in England, Liberia, and Philippines (Peter Straus, VOA Dir., National Press Club 2/83 via gh) VOA has decided to mothball two relay stations, at Bethany Beach (sic), and Dixon, and switch to a satellite program feed. This is causing concern among VOA workers employed at the two stations. They object on economic, political and technical grounds. High solar activity may affect satellites, there will be vulnerability to 'killer satellites', this is contrary to an international agreement not to broadcast propaganda via satellites, and spectrum allocations would have to be surrendered. An AFGE spokesman who works at VOA said he did not understand the rationale for installing 12 new overseas xmtrs and closing down 20 existing domestic ones. A VOA official responded that solar activity would not affect bands used by satellites, the VOA does not broadcast propaganda, Delano could be used as backup in an emergency, better signals are needed in Monrovia, and in the long run the change should be technically and financially beneficial (Federal Times, 13/2)

**ZAIRE** VOZ regional Bukavu may soon be able to resume transmitting, now that spare parts have arrived from Germany, AZAP reported 3/4. Was on 4839 (BBCMS 6/4)

**DX PROGRAMS**

**ARGENTINA** "DX-ismo Argentino al Mundo" on RAE is fortnightly, e.g. Weds. 5/4 & 19/4. The DX pgm of the Aconcagua DX Club has been off the air since 4/77 on R. Nacional Mendoza because of recording costs. But now we have a CDXAC member on the announcing staff there, so the programs can be done live without cost (Mario Jorge Safier, Argentina, 7/4)

**AUSTRIA** David Hermgas announced 17/4 on Post Box 700 that from 7/5, ORF would broadcast the Austrian SW Panorama to North America, GMT Sundays at 0300 on 6155 & 9770. He said there had been many requests from NAM for the DX show (Wilder A. Pickard II, IL) At last! If we can pull it thru the QRM. You may hear an interview between Jonathan Marks and your LN editor in an upcoming edition (gh)

**BELGIUM** DX programs now sked: On RTBF in French, Fri 1730 "DX ORU" on 17715 & 11735. On BRT, "DX Corner" in Spanish 1st & 3rd Sun 2245 on 9685; Flemish 4th Wed 1730 on 15250 & 11940; English, 2nd & 4th Sun 1615 on 15250 & 11940; 2245 on 9685; following GMT Mon 0015 on 6080 & 9685 (TELEX)

**CANADA** RCI's new broadcast at 0000 to NAM on 5960 means an additional airing of DX Digest Part 2 on GMT Mondays. Since Part II is now broadcast thrice to NAM, but once to other targets, I try to emphasize items of particular interest to NAM in Part II. But you dare not miss Part I for more hot DX news. The programs are taped Fridays at 1400 GMT, and you may phone (prepaid) if necessary to meet the deadline for the following Sunday broadcast. Weekdays at WUOT, (615) 974-5375. Or at home, anytime but 0400-1200 GMT at 522-4497 (gh)

**ECUADOR** As of 3/4, the 0900 airing of HCJB DX Party Line (on Mon/Thu/Sat) moved to 0900 from 0930 (DXPL 25/5) The "Qué Pasa" report on the midweek edition, prepared by Jeff White =Association of Illinois DXers, is including voiced DX reports from correspondents around the world, à la DX Juke Box. The Sat 1200 airing of DXPL has been missing recently; it seems to be at the mercy of the Japanese Dept's whim (gh)

**HUNGARY** R. Budapest "Calling DXers & Radio Amateurs" Tue & Fri to Eur on 17780/15160/11910/9585/7215/5980. And Wed & Sat to NAM on 17710/15225/11910/9585/6105/6000, J&S78 (B.I.)

**INDIA** "Yuva Vani Calling DXers" via AIR Hyderabad 1380 kHz MW is a big hit, expanded to 20 min at 1300 the last Wed of each month, such as 31/5 & 28/6 (A. J. Sampath, IDXCI)

**MALTA** TELEX DX pgm "Echo-Radio" in French on AWR, Sun 0730-0745 on 9770, 250 kW, log peridic = 12 dB gain, 330° beam (Barto) That's right on Paris, Calgary, Walla2, Medford & Eureka (gh)

**PHILIPPINES** "Manila Calling DXers" is at 0845 Fridays on FEBC 11765 (Brian Wallace, WDXC)

**POLAND** Polskie Radio had 308 entrants in a DX contest last year, encouraging critical (ED comment. The Polskie Radio DX Club has 1535 members; to join, write P O Box 46, Warsaw XC)

**PORTUGAL** TELEX DX pgms via Sines, irregularly Mon 2100 "Echo Radio" in French on 9670, 250 kW. Via RDP São Gabriel, 80 kW, 2nd Fri 1645 on 17895 to ME, 1845 on 15230 & 17880 to AF, 2115 on 9740 & 6025 to Eur. Also via RTE, the AWR DX pgm is Sun 0930-0945 in EG on 9670, 18-19dB gain curtains, 32° azimuth (TELEX via Sam Barto, CT)

**SRI LANKA** "Radio Monitors International" will broadcast a special 3rd birthday pgm, Sun 28/5 via SLBC at 0315, 1100, 1900 (see Apr LN-9 for Feb freqs), including greetings from McFarland, Frost, Cushen, Padula, Skoog (Adrian Peterson, via NASWA HQ)

**SWEDEN** I'm doing a whole new series of DX pgms this summer on R. Sweden, in addition to SCDXers; it will be on Thursdays during June, July & August, perhaps called "SW Corner". These will be interview programs on many aspects of radio in Sweden. This is a pilot feature. If we get a lot of favorable response, it may be possible to extend the series or make it a permanent feature (George Wood)

**PROGRAM NEWS**

**BELGIUM** BRT 0015-0100 NAM svc pgms include GMT Tue-Sun opening "Brussels Calling" & Tue-Sat closing "Scrapbook"; in between, Tue, "Today in Belgium", "Third World Problems". Wed, "Mailbag" & "Shipping News". Thu, "Letter from Brussels". Fri, "Mailbag" & "Topical Feature". Sat, "Economic Talk" & "The African Scene". Sun, "The Week that Was". Mon, "Music Box" (BRT = ORU sked)

**CANADA** In April the timing of "Royal Canadian Air Farce" on CBC/NS 9625 & 11720 changed from Sat 1630 to Sun 1805. It's a program of lively adult humor (Bill McMullen, MI) Mostly reruns in Apr. This liberated Sat 1634 for "Yes, You're Wrong", a quiz pgm (gh)

**TAIWAN** WOFC has been running "Learn to Speak Chinese" for some time now on most GMT Wed + Thu + Fri at 0120, best on 17890; small text sent on request (John Lackmann, VA, 4/4)

**UKOGBANI** BBC WS revives "Brain of Britain" 1978 quiz, Suns 0330, Tues 0830, Weds 1215, Thurs 1830. Fun is in store on "The Hitchhiker's Guide to the Galaxy", Mons 1130, Tues 1615, Fris 2330; also in "The Glums" Suns 1900, Tues 1115, Fris 0215 (gh)

**U S A** WYFR has the answers during "Open Forum" at 0305 on 6155 i.a., GMT Thu 25/5 to the question "Are people predestinated for hell?"; on divorce & adultery, Tue 30/5 (gh)

U S A AFRIS-Washington has been ignoring listener requests for pgm skeds, despite the many changes they have made since the last one was issued. Undeterred, REVIEW OF INTERNATIONAL BROADCASTING contributor Louis Goldstein made up his own schedule through extensive monitoring, and it appears in the April RIB. If you would like a copy, send 75c in Nam to gh, address p. LN-1, and request this issue. 5 IRCs will get you one by overseas airmail. Among the highlights--Letters to CBS, Sat 2245 & Sun 0620. NBC Special Series, Sun 2230. Paul Harvey, Mon-Fri 2035, Tue-Sat 0050. Reasoner Report, Tue-Sat 0151 & 0750 (gh)

**TIME JUMPS** Cuba to GMT -4 7/5-8/10. Cyprus GMT +3 2/4-15/10. Chile GMT -4 as of 11/3. Algeria GMT +2 as of 24/3. France GMT +2 as of 2/4. Iran GMT +5 as of 24/3 (Iran has been under 4 different time zones the past couple of years!) Paraguay GMT -4 as of 1/3 (Jones) Poland GMT +2 as of 2/4. Spain GMT +2 as of 2/4. Turkey GMT +3 2/4-15/10. Uruguay GMT -3 as of 5/3 (Jones) (BBCMS u.o.s.)

**UNIDENTIFIED** 2950 Totally baffled, first hrd 7/4 from 0445 tune in, piano pieces, seeming FR anmts, 0458 anthem & off; 9/4 at 0450 mx seemed from "France Inter" HS of TDF, lang more SP than FR. Tempted to speculate this is La Voix du Peuple, Haiti, 2 x 1475, but reported in NRC as having a "WAF" sound (Harry L. Helms, SC) Well, I have heard this stn on 2950 myself here and in Caribbean (gh)

4630 R. Station Mil Cuarenta, in Spanish at 0500-0600, in SAM somewhere (R. Moscow 23/3)

4996 African in FR to 2256\* Sat, not Chad, Niger, Mali, CAE. New Cameroon? (Pitt McNeill)

5000,008 Lam stn with ads, Venez/Colomb pop mx way down in mess, 2230-2300 (D. Crawford, FL)

5048.5 (Cf Apr LN-12) The time sig here is in sync with WWV (Pitt McNeill, DC)

5960v Pirate? playing old mx, 6 or 7 tunes over and over, 19/4 0920-1020\* (M. Sabadia, TX)

21605a While monitoring R. Australia on this band, caught a steady tone 0330-0415+, no ID. VOA testing west coast xmtrs? Why? (Jim Conrad, AZ, 14/4) Maybe Kuwait? (gh)

25920 Arabic stn daily 1000-1550\* weak; Algeria, Morocco, NAF? (Victor Goonetilleke, UADX) Never any trace of it here in frequent 11m scans (gh) 8 x 3240 ? (gh)

**PUBLICATIONS** 80 Meter DXing, new revised edition, by John DeVoldere, ON4UN, aimed at the serious ham trying to work DX on the 3500-4000 kHz ham band, but includes much info on sunrise+sunset, path geometry, propagation, gray-line skip and antenna systems that can be built and tuned for receiving in the tropical band by ambitious DXers. Bibliography of 73 referenced items appearing in the ham press is included. 5 chapters, ill. First ed., 2nd printing, copyright 1978, \$4.50 from Ham Radio Bookstore, Greenville NH 03048, order number HR-80M, or call toll-free 800-258-5353 (Bob Foxworth, NY)

**Australian DX News** (Cf Jan LN-14) Lower overseas airmail rates are no longer possible, because it has been decided to increase the weight of ADXN to the 100g postage limit because we must serve our local members first. Overseas surface rate is A\$15 per year, and by air to Nam A\$27 per year (April ADXN)

**49mb Survey** I am editing for the ECDXA, 5100-6900 kHz, available to non-ECDXA members for SASE + 75c US; survey of what is heard on the east coast only. Probably available early May. Order from East Coast DX Alliance, 3113 Waterford Dr, Cinnaminson, NJ 08077 (Muick)

**Seven new handbooks** are described in a 4-page brochure, on antennas, SW reception, FM/VHF equipment, much more. Send SASE to Todd Graves, SWL Guide, 414 Newcastle Rd, Syracuse NY 13219 (ANARC)

**Receptor** is the surprise of the year! An excellent DX magazine in Spanish, professional layout and excellent offset-printing comparable to Weltweit Hiren or Finnish DX-Kuuntelijat; many illustrations, for DXers in Latin America & Spain. Subscription fee for Spain is 700 pesetas, varies elsewhere. Receptor, Parque Guajara 96, La Laguna, Tenerife, Canary Islands Spain (EDXC Newsletter)

**Wavelength** is the magazine + program guide of R. Veritas Asia, Box 939, Metro Manila, Philippines. Latest issue, #13 is a theme number with articles on Appropriate Technology, or 'small is beautiful' plus a column on antennas by DX Editor Evelyn Salvador-Agato (SCDX)

**AFRTS theses & dissertations** include: "The Armed Forces Radio Service", LTC Russel O. Fudge, School of Govt., Geo. Wash. Univ. 1949 masters thesis; "An Historical Study of the Armed Forces Radio Service to 1946", Theodore De Lay, Jr. USC 1951, Ph.D. dissertation; "A History of the American Forces Vietnam Network, 1962-1972", Lee Wilson Hauser, UNC, Chapel Hill 1972; "An Historical Profile of AFRIS", Larry Dean Miller, ISU Ames 1974 (gh)

**Star Spangled Radio** Kirby, Harris; Ziff Davis 1948. Anecdotal history of US WW II broadcasts & programming, domestic and for overseas troops. Forerunner of AFRIS was unlicensed GI-built station in Alaska (Hugh Miller, WA)

(Hugh Miller, WA)  
**Standard Comms** has new rx very like SSR & FRG; for info, write Box 92151, LA 90009 CA WA)

# naswa AWARDS reports

Dan Henderson, Chairman  
7921 Anfred Drive  
Laurel, Maryland, 20810

May, 1978

The following report gives all awards issued during the period 1 January 1978 through 31 March 1978. All awards are listed in chronological order of issue.

## AFRICAN CONTINENTAL DXER

Dan Robinson

## EUROPEAN CONTINENTAL DXER

James A. Matthew  
J. Roland Desrosiers  
Dan Robinson  
Rizal J. Baysa  
Paul Routenburg  
Martin Foltz  
Robert Lerner  
Steve Raper  
Dale Bohlke  
Michael J. Salay

## SOUTH AMERICAN CONTINENTAL DXER

Albert E. Cannon, Jr.

## NORTH AMERICAN CONTINENTAL DXER

J. Hunniwell

## DXER DE PACIFICA

Gerry Bishop  
Martin Foltz  
Dan Robinson  
Albert E. Cannon, Jr.

## ASIAN CONTINENTAL DXER

Albert E. Cannon, Jr.  
Dan Robinson

## WORLD WIDE DXER

Douglas Wirsz  
J. Roland Desrosiers  
Dale Bohlke  
Jim Green  
Rizal J. Baysa  
Kenneth L. Frank  
Robert Lerner  
Steve Raper  
W. Randall Doyle  
Michael J. Salay

## DX CENTURION

Andre Pineault

## SENIOR DX CENTURION

John C. Herkimer  
Dan Robinson

Paul Routenburg

## ALL CONTINENT QRP DXER

Dan Robinson---10 KW  
Paul Routenburg---25 KW  
Eric Falkenhan---50 KW

## SENIOR NIGERIAN DXER

Roger DeRoy

## MASTER NIGERIAN DXER

Dan Robinson

## SOVIET SPHERE DXER

Paul Routenburg  
Martin Foltz

## ORTF DXER

Paul Routenburg

## ECCLESIASTIC DXER

Andre Pineault  
Frank J. Harmann  
Bill Whitacre  
Martin Foltz  
Mike Agner  
J. Roland Desrosiers

## VOA DXER

James Smallwood

## MASTER INDONESIAN DXER

Kent Corson No. 5.

## SENIOR BRAZILIAN DXER

Joe Dileo No. 3.

## SENIOR BRITISH COMMONWEALTH DXER

John C. Herkimer  
Martin Foltz  
Dan Robinson

## MASTER BRITISH COMMONWEALTH DXER

Marlin Field  
Bill Whitacre

## ARAB WORLD DXPERT

Marlin Field

## ARAB WORLD DXER

Dan Robinson

## SENIOR ECCLESIASTIC DXER

Gerry Bishop

## SENIOR PAFUA NEW GUINEA DXER

Dan Henderson

## MASTER PAFUA NEW GUINEA DXER

Kent Corson  
Dan Henderson

## SENIOR TROPICAL BAND DXER

Bill Whitacre

Well, that's all for this quarter. Congrats to Kent Corson for the Indonesian Master Award and to Joe Dileo for the most difficult Brazilian Senior DXer award. I would like to draw your attention to the specialized awards for the Latin American countries for Ecuador, Brazil, and Venezuela, which will tax even the most ardent DXers. With the improvement of the Oceania stations (R. Manus and Cook Is) there should be some more activity in regard to these awards. As you know, an updated list of the awards is now available and may be obtained from the Chairman for a 24¢ stamp. It hopefully will be published in FRENEX in the very near future. I have finally gotten settled in the new QTH, have gotten up an antenna, and am back to full time DXing again. Hopefully, the grand participation in the awards program will continue, for this past quarter I issued some 62 awards to the membership.

Now for some reminders---please put your name on each awards application sheet. It just holds up the issuance of the award when it is not there. Also, I WILL NOT SUPPLY REQUESTS FOR THE UPDATED AWARDS INFORMATION WITHOUT A 24¢ stamp. Also, I would appreciate it very much if you would include a SASE when requesting answers regarding the validity of stations and QSLs. It costs me money to mail too, and I can't pick up the costs of all the letters I answer. Please write, but please include return postage. Until next time, 73, Dan Henderson

HELPING HAND: For sale, Drake SPR-4 receiver in mint condition with all SWBC and ham bands. Has outboard crystal bank to allow up to 42 crystals with 36 supplied, almost complete coverage. Includes noise blanker, Xtal calibrator and DC power cord. Recently re-aligned and checked out by Drake. Heathkit SB600 speaker is included. \$625 or best offer. Contact Al Mayer, P.O. Box 321, Park Forest, IL 60466.

HELPING HAND: For sale, Hufco TW-S-6 Frequency Counter to 50 MHz, never used. \$100. Also National NC-44 general coverage communications receiver, workd well, \$40.00. Also a case of 15 unused receiving/transmitting tubes, \$25.00. All items are mailable U.P.S. Call or write Michael J. Youndt, Box 264, R.D. #1, Denver, PA 17517. Phone (215) 445-5291.

HELPING HAND: For sale, Heathkit SW-717 receiver 3 years old. Good receiver

HELPING HAND: For sale, Heathkit SW-717 receiver 3 years old. Good back-up or beginners receiver. Price \$60.00 or best offer plus shipping. Selling because of new FRG-7. Alan Taylor, 488 Pinetree Drive, London, Ontario, Canada N6H 3N1. Phone (519) 471-7868. No collect calls, please.

HELPING HAND: For sale, "Morse-A-Letter kit. See morse code on LED. The circuit board is assembled. Drilled chasis and cabinet and all components for power supply are included. Just mount power supply and circuit board. \$100 or best offer. Al Mayer, P.O. Box 321, Park Forest, IL 60466

HELPING HAND: Wanted. Information on where to write Zenith. Wrote using address in "Dxing According to NASWA, but no reply. Those looking for tubes for Zenith LDR try Radio Shack special tube ordering service. Takes about a week, but expensive - \$10+. Roland Desrosiers, 1063 Burnett Rd. Chicopee, MA 01020.

HELPING HAND: For sale, Knight R-100A general coverage receiver in good condition. Excellent back-up unit. Price of \$50.00 included U.P.S. John Kapinos, 86 South Quinsigamond Avenue, Shrewsbury, MA 01545.

# QSL REPORT

Sam Barto  
245 Cherry Ave  
Watertown, CT.  
USA 06795

**ADMIRALTY ISLANDS:** Radio Manus 3905 a standard NBC cd. From Boroka in 28 ds. for ms. (DiLeo)...Very Nice Joe.  
**AFGHANISTAN:** Radio Afghanistan 15365 f/d "Map" cd. in 53 ds. for 2 IRC's & used stamps. (Osterman).  
**ALBANIA:** Radio Tirana 7065 "Revolutionaire" cd. in 102 ds. (Taylor). 11985 in 5 wks. (Barto).  
**ANTIGUA:** DW Relay 6040 "Logo" cd. in 31 ds. for 1 IRC., pennant & sked. (Desrosiers). BBC Relay 6175 in 1 mo.  
**ARMENIA:** Radio Moscow 7130 Yerevan. f/d "For- (George). est" cd. in 1 mo. (Fedor).

**ASCENSION ISLAND:** BBC Relay 9770 cd. in 3 mo. (Klein).  
VOA Relay 15195 f/d cd. in 25 ds. v/s Kathy Burson. (Weber). 17830 f/d cd. in 44 ds. Had to return cd. for site. (Wallace).

**ASIATIC RUSSIA:** Radio Moscow via Petropavlovsk-Kamchatsky (?) on 15450. cd. in 53 ds. for 1 IRC. and a ruler. (Padgett). via Novosibirsk on 11740 w/ the 1000 service to SEA and via Chita on 21515 w/ the 1200 service to Indonesia. (Berg). via Yuzhno-Sakhalinsk on 7260 in 66 ds. (Wallace). via Khabarovsk on 7175 in 66 ds. (Wallace). via Blagoveskensk on 9580 and via Kenga on 5900. both in 66 ds. (Wallace).

**AUSTRALIA:** Radio Australia via Shepparton on 9580 w/ "Pink Rose Cone" cd. in 5 wks. w/ pennant. (Barto). same w/ "Lorikeets" cd. in 2 mo. (Gercken). in 3 mo. (Lobdell). in 1 mo. w/ calendar. (Gercken). same in 79 ds. for 1 IRC. (Fraser). same w/ pennant in 20 ds. for 2 IRC's. (Torre). same & "Common Fringe Lilly" cd. in 120 ds. w/ Listeners Club Certificate and Stick Pin. (Clark). 9600 via Shepparton in 4 mo. (Barto). 15320 w/ "Lily" cd. in 91 ds. w/ pennant & calendar (Pappas). "Rose Cone" cd. for 17795 in 78 ds. for 1 IRC. (Padgett). 11705 via Shepparton w/ "Lorikeets" cd. in 5 wks. (Barto). 17879 via Shepparton in 14 ds. for 1 IRC and a ruler. (Padgett)...Was the frequency listed on the card?...Sam. 17745 via Carnarvon in 87 ds. for 1 IRC. (Padgett). 11870 in 45 ds. for rpt. of their USB transmission. (Wastradowski). VNG 4500 beautiful folder type cd. in 5 wks. for 2 IRC's. (Page). VLM4 4920 f/d "Map" cd. in 2 wks. for 1 IRC. (Hermann). same in 20 ds. (Klein). VLW9 9610 Wannero f/d "Map" cd. in 43 ds. for 1 IRC. (Desrosiers).

**AUSTRIA:** ORF 15275 f/d "ORF Centre" cd. in 32 ds. (Fraser).  
"Contemporary Art" cd. in 34 ds. (Leithner). same in 1 mo. (Barto). same in 2 mo. (Lobdell). 9765 "Snail w/ Castle" cd. in 1 mo. (Barto). 9770 "Studio" cd. in 44 ds. for 2 IRC's. (Grenier). 6155 "Art" cd. in 70 ds. for 1 IRC. (Padgett). 9770, 15275 and 6015 w/ "Glasstowers", "Adam" and "Emblem" cds. in 1 mo. (Klein). A very informative ORF booklet was received in 1 mo. This 33 page booklet is available from your QSL Editor for a 24c SASE...Sam. (Gionet).

**AZERBAIJAN:** Radio Baku 4785 f/d plain white cd. in 90 ds.  
**BANGLADESH:** Radio Bangladesh 11650 f/d cd. in 4 1/2 mo. (Wallace). 15520 f/d cd. in 6 mo. (Fedor).

**BELGIUM:** ORU 6080 f/d "Map" cd. in 1 mo. for 1 IRC. (Koenig). same w/ "Mailbag" letter in 4 wks. (Woods). 9685 in 39 ds. (Tiers). 11940 in 35 ds. w/ pennant, sticker and sked.

**BELIZE:** Radio Belize 3300 yellow "Map" cd. in 50 (Swanson). ds. for ms. (Taylor). same in 87 ds. for 1 IRC. v/s A. Johnson, Chief B/Cing Officer. (Onken). 3285 in 10 wks. for 2 IRC's. (Lobdell).

**BENIN:** La Voix de la Revolution/ORTB 4870 f/d multicolored cd. in 1 mo. for EG rpt. and 1 IRC. (Overcamp). same for 1 IRC in 6 wks. (Berg). same in 2 mo. for a FR rpt. (Klein). same in 3 1/2 mo. for a FR rpt. and 1 IRC. (Sarrazin).

THIS IS YOUR CLUB AND COLUMN.....SUPPORT IT.



Notice!

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Give Peace a Chance  
**VOICE OF PEACE**

BROADCAST FROM THE MEDITERRANEAN ON 19MHz - 1540kc

**BIAFRA:** NBC Enugu 6025 ltr. in 6 wks. v/s N. Mesigo, Engineer in Charge. (Howard).

**BONAIRE:** TWR 11800 f/d cd. in 1 mo. (Barto). 11815 f/d "Radio Bldg." cd. in 3 wks. for 1 IRC. v/s J. R. Schipper. (Berg). 11925 cd., sked & calendar in 22 ds. (R. Miller). same in 24 ds. for 1 IRC. v/s John Schippes (above?) (Wastradowski). Radio Nederlands 21640 "Antenna" cd. in 38 ds. (Mikell). 6165 in 15 ds.

**BOUGANVILLE:** Radio North Solo- (Dunn) mons 3322 very friendly ltr. in 42 ds. v/s Aloysius Sahoto, Jr., Station Manager. (Taylor).

**BRASIL:** Radio Olinda 3285 f/d ltr. in 30 ds. after several follow-ups for PT rpt. and ms. (DiLeo). Radio Jornal do Comercio 15145 f/d cd. in 18 ds. for an EG rpt. Card was sent by a Brazilian friend. (Howard). Radio Clube do Para 4855 ltr. in 24 ds. for a PT rpt. Addr: C.P. 533, Belem. (Ponder). Radio Ribeirao Preto 3205 a scenic cd. in 34 ds. for a PT rpt. and 1 IRC. (Hoffman). Radio Clube de Pernambuco 11865 f/d ltr. in 16 ds. for an EG rpt. (Howard). Radio Difusora do Amazonas 4805 "Recollections of Manaus" cd. in 1 year for a PT. rpt and ms. (Mikell). Radio Bandeirantes 11925 cd. and pennant in 2 wks. for an EG rpt. (Bishop). Radio Nacional de Brasilia 9665 f/d cd. in 1 mo. for an EG rpt. (Klein). 11780 same w/ sked. and decal in 50 ds. for a PT rpt. and 1 IRC. (Dawson).

**BULGARIA:** Radio Sofia 9530 f/d "Memorial Cathedral" cd. in 95 ds. (Ventura). 7115 "Bachkovo Monastery" cd. in 62 ds. (George). 7115 "Alexandre Nevsky Cathedral" cd. in 5 mo. (Klein). 49 mb. "Nessebur and Nevsky Memorial Cathedral" cds. in 18 ds. (Meehan).

**BYELORUSSIA:** Radio Moscow via Gorky on 11860 for the 1600 service to SEA (Berg). same in 41 ds. Also rcvd. ltr. from Mrs. Svetlova w/ beautiful stamps. (Desrosiers).

**CANADA:** CBC-NS 6195 f/d "Horizon Suns" cd. in 16 ds. w/ sked. and pennant (Wendt). CFRX 6070 "Boat" cd. in 26 ds. v/s Clint Eastwood, V.P. and D. Lumley, Engineer. (Hascall). same in 1 mo. for 1 IRC. (Prisco). "Marine Mobile" cd. in 8 ds. (Clark). same in 45 ds. (Dunn). CHU 3300 cd. in 11 ds. (McCants). "Sir Sanford Fleming" cd. in 2 wks. (Klein). CFCX 6005 cd. in 2 mo. for 1 IRC. (Prisco). CHNX 6130 f/d cd. in 20 ds. for 1 IRC. v/s Judy Carruthers. (Dunn). CKFX 6080 ltr. in @ 1 mo. v/s Tom Peacock, Pgm. Dir. (Tiers).

**CAMEROON:** Radio Garoua 5010 a very friendly EG ltr. in 5 wks. from Jim Anchanyi-Fontem (Abraham). Radio Bertoua 4750 long EG ltr and sked. in 3½ mo. for 3 IRC's. v/s Jean-Marie Etoundi, Chief of Station. (Berg).

**CANARY ISLANDS:** Radio Exterior de Espana 11880 ltr. in 25 ds. w/ sked. (Taylor). same in 40 ds. (Meehan). same in 32 ds. (Ponder). same ltr. w/ site in 29 ds. (Hoffman)...New pennant is being designed.

**CELEBES:** RRI Manado 3215 f/d blue cd. in 71 ds. v/s Adri K. Tumundoh. (Kusalik). same for 5987 in 1 mo. for an IN rpt. (Barto).

**CENTRAL AFRICAN REP:** RTVC 5035 f/d ltr. in 41 ds. for a FR rpt and 2 IRC's. v/s Henri G. Hytahe. (Salay). 5038 f/d form ltr. in 10 wks. for a FR rpt. and 2 IRC's. (Abraham).

**CHAD:** RNT 4905 f/d "Three Scenes" cd. in 20 ds. for a FR rpt. and 1 IRC. (Klein). same in 26 ds. (McIntosh). same in 20 ds. for 2 IRC's. and US stamps. (Mikell). same in 23 ds. (Prisco). same in 1 mo. (Lazarus).

**CHILE:** Radio Universidad de Concepcion 6135 f/d B&W cd. and a personal ltr. w/ sked. in 94 ds. v/s Carlos Godoy Rocca, Dir. Stamps and a pennant also rcvd. (Kusalik). same in 22 ds. (Hoffman).

**CHINA, PEOPLES REP:** Radio Peking 31 mb. "Red Flag Canal" cd. in 22 ds. w/ sked. (Dunn). same for 15060 in 23 ds. Lapel Pin rcvd. (Eastman). same in 18 ds. w/ sked. and pennant. (Fraser). 15060 w/ "Giraffe" cd. in 18 ds. (Meehan). 7120 "Pagoda" cd. in 1 mo. (Leithner). 9780 "Begonias" cd. in 37 ds. for 1 IRC. Beautiful pocket calendar cds. were also received. (Koenig).

KEEP READING - WE'VE GOT  
SOME BEAUTIFUL QSL'S COMING UP... Sam.



Check these out!



**RADIO VENEZIA**  
STEREO FM 92,3555 / 101 MHz

**COLOMBIA:** Radio Bucaramanga 4845 "Emblem" cd. in 21 ds. for an EG rpt. Sked. and decal rcvd. (Klein). same in 2 wks. for a SP rpt. and 1 IRC. (Alexander). same w/ "La Hormiguita Suertuda" decal in 19 ds. Addr: Ap. Aereo 572 (Ponder). same cd. in 30 ds. for a SP rpt. and 1 IRC. Two stickers also rcvd. (Prisco). same in 12 ds. for SP/EG rpt for 1 IRC. (Onken). Radio Sutatenza 5075 f/d folder cd. in 15 wks. for a SP rpt. and 1 IRC. (Alexander). Radio Santa Fe 4965 "Berry Picker" cd. in 6 mo. for a SP rpt. w/ pennant. v/s Blanca de Vontoya. (Mikell). Ondas del Meta 4885 "Views of the Llano" cd. in 10 mo. for a SP rpt. v/s Librado Hernandez. (Mikell). Radio Neiva 4855 cd. and personal ltr. in 60 ds. v/s Pedro Superlano R. Addr: Carrera 6 # 7-75, Neiva-Huila. (McIntosh). Radio SurColombiana 5010 f/d ltr. in 22 ds. w/ a fantastic 2 foot pennant! The pennant contains some fine weaving and embroidery. v/s Maria Helena Sanchez M., Secretaria. Addr: Carrera 7a. entre Calles 21 y 22, Neiva. (McIntosh). La Voz del Huila 6150 f/d personal ltr and a pennant in 20 ds. via registered mail. v/s Jose Luis Mateus. (McIntosh). Radio Nacional de Colombia 15335 "San Andres Island" cd. in 54 ds. for a SP rpt. and ms. v/s Juan Glimaco Arbelaez, Director. (George). Radio Colosal 4945 f/d SP form ltr. w/ a blue and white pennant and a personal ltr. in 20 ds. for a SP rpt., tape and ms. v/s Luis Fernando Navarro.

My first 5 rpts. in 9 years went unanswered. (Lobdell). same in 20 ds. w/ 2 pennants bumper stickers, for a SP rpt. and a tape. (McIntosh). All of the above QSL's rcvd. by McIntosh were hand delivered by Luis Navarro G. of Radio Colosal...Great!!! Sam.

**COOK ISLANDS:** Radio Cook Island 9695 f/d "Shell" cd. in 91 ds. for 3 IRC's. v/s Nooroa E. Tangaroa. (B. Martin).

**COSTA RICA:** TIFC 9645 f/d "Microphone" cd. w/ sked. and pennant in 6 mo. for 2 IRC's v/s Mary H. Steele. (Osterman).

**CUBA:** Radio Habana Cuba 9685 cd.

In 4 mo. for 1 IRC. v/s Maria Montero Triana (R. Miller). 11760 f/d cd. in 82 ds. (Baum). **CYPRUS:** Cyprus Broadcasting Corp. 7230 f/d cd. in 6 wks. for 2 IRC's. (Lobdell).

**CZECHOSLOVAKIA:** Radio Prague 5930 "Dilo Mistr Pavla" card in 55 ds. for 1 IRC. (Padgett). "Fair Grounds" cd. in 106 ds. (Baum). 7345 w/ "Woodcut by Pavel" cd. in 51 ds. (Fraser).

**DENMARK:** Radio Denmark 15165 "Radiohouse Aerial Tower" cd. in 2 1/2 wks. for 1 IRC. (Berg).

**DOMINICAN REP:** Radio Clarin 11700 f/d 8 1/2 x 14" magnificent world map cd. in 5 mo. (Klein).

Radio Mil 4930 ltr. in 21 ds. for a SP rpt. and 1 IRC. v/s Engracia Gonzales, Departamento de Relaciones Internacionales. (Baum). same in 6 wks. for a SP rpt., tape and ms. (Lobdell). Radio Norte 4807 personal ltr. in 2 wks. after 6 follow-ups for a SP rpt. & ms. v/s Jose Luis Torbio S., Comisionado Radial. Station enclosed two pennants - one a map pennant and the other was a very beautiful red, blue, gold and white one. The station stated that they had not answered previous reports because they were waiting for a new pennant designed especially for the international listener. This may be the time to send your reports. Addr: Ler Instituto Regional de Radio, Pedro Fco. Bono No. 58, Apartado 682, Santiago de los Caballeros. (Lazarus)....Thank you very much for the data...



**AMERICAN  
★ RADIO ★**

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FM 91.400 Stereo

UNA NOTA DI SIMPATIA

**viale Piave 38  
Milano**

**RADIO  
VERONICA** 

**FM.88.92 STEREO**

**MILANO**

I would like to thank Dario Monferini of Milano, Italy for supplying many of the stickers and decals that were used in this column. Thank you Dario for one of the best looking, interesting and eye appealing columns we have ever had.....Sam. For the June issue we will attempt to print some of the illustrations that have been received at this QTH. We will also be exhibiting verifications from the Philippine Islands in our continuing efforts to specialize in specific areas.....Sam.

Nearly a half a page of Colombians!!!

Take notice!

**ECUADOR:** Radio Zaracay 3390 friendly ltr. & a small black and white pennant in 2 mo. for a SP rpt., tape, ms., US stamps and some local post cards. v/s Elssy Cun C., Secretaria.(Lobdell). same f/d ltr. in 36 ds.(Dunn).Radio Federacion 4960 ltr. in 36 ds. for a SP rpt. and ms., v/s Albino Utitiaj.(Hoffman). same in 96 ds. for a SP rpt. and ms.(Mikell).Esc. Radiofonicas Populares 3985

folder QSL in 1 mo. for a SP rpt. v/s Padre Ruben Veloz, Director.(Klein) Radiodifusora Paz y Bien 4820 f/d cd. in 2 yrs and 5 mo. for a SP rpt. and 1 IRC. v/s Enrique Pesantez G. (M. Smith)...Take a look at Israel). HD210A 7600 EG ltr. in 52 ds. for a SP rpt. v/s Fernando Alfaro E., Director del Instituto Oceanografico.(Alexánder). 3810 same in 30 ds. for a SP rpt. and ms.(Hoffman). in 2 mo. w/ sked.(Prisco).Emisora Gran Colombia 4910 ltr. and pennant in 22 ds. for a SP rpt. and ms. v/s Eduardo Cevallos(no name). HCJB 11915 "Control # 3" cd. in 5wk w/ pennant.(Barto).11915 f/d "Enchanting Ecuadorian Coast" cd. in 6 wks. (Lobdell).same in 7 wks.(Leithner). same cd. for 9560 in 59 ds.for 1 IRC. (Padgett).11915 f/d "Llama" cd. in 9 ds. (Hillman).same cd. and a "Coast" cd. for 9560 in 1 mo. for ms. Also rcvd. a pennant. (Klein).9560 f/d "Doll" cd. in 46 ds.w/ new sked.(Wastradowski).same in 35 ds. (Tiers). "Power Plant" cd. and calendar in 24 ds. They stated that 2 IRC's are required for an airmail reply from the station to the US.(R. Miller).

**EGYPT:** Radio Cairo 9475 f/d cd. in 11 wks. for 1 IRC. (Stanziale)."Nefertiti" cd. in 3½ mo.w/ sked.(Klein).

**ENGLAND:** BBC 9410 cd. in 51 ds. for 1 IRC.(Padgett) cds.

for Rampishan 21710 and Skelton on 9750 in 7½ wks.(Bis-

**ESTONIA:** Radio Moscow via Tallin on 17700 for the hop.

1000 service to SEA.(Berg).17805 f/d "Clock Tower" cd. in 5 wks w/ site. Previous cd. arrived w/ site as Tbilisi(Can-

**EUROPEAN RUSSIA:** Radio Station Peace and Progress 11960 non).

f/d "Logo" cd. in 28 ds. for 1 IRC.(Dawson)."Countryside" cd. in 30 ds. for 2 IRC's.(Burke).25 mb. cd. in 21 ds.(Dunn).11770

ltr. in 82 ds. w/ sked for 1 IRC.(Padgett).Radio Moscow via Tula

on 7190 in 80 ds. and via Moscow on 6010(Weber).via Moscow on 4860

in 39 ds.Card states that the NA service is on this frequency from 0343 to 0403(?).(Desrosiers).via Moscow on 9640 in 28 ds.for the Af.

service.(Wastradowski).7205 in 43 ds.(Burke).11830 for the GB & I service in 6 wks.(Lobdell).via Armavir on 9655 and on 9675 for the 1600

service to SEA and via Voronezh on 15295 for the 1100 service to India. (Berg). via Omsk on 15150, Serpukhov on 17730, Tula on 11720, Ryazan on

15140 and via Moscow on 15360 all for the 1000 service to SEA.(Berg). via Tula on 7195 and via Serpukhov on 9795 in 2

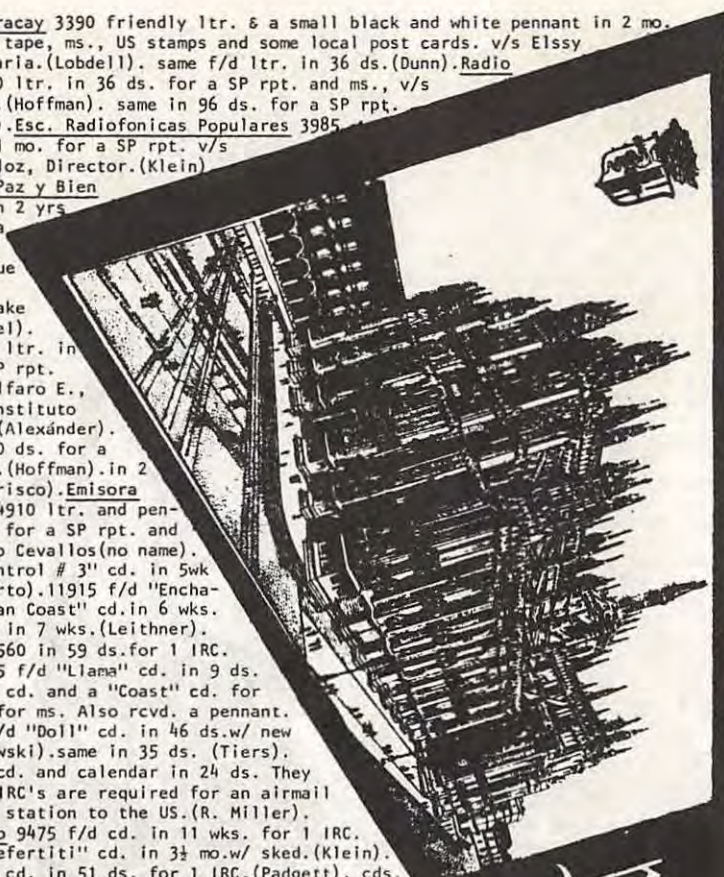
mo.(Noonan). via Kingiseppa on 9760 and via Volodga on 15350 in 41 ds.(Kusalik). via

Armavir on 12055 in 41 ds.(Kusalik). via Serpukhov on 9560 in 41 ds. (Kusalik).

**FEDERAL REP. OF GERMANY:** DW 6010 cd. in 44 ds. w/ a blue pennant.(Baum).

**FINLAND:** Radio Finland 15105 f/d "Sports Stadium" cd. in 31 ds. w/ calendar and sked. (George).same in 1 mo.(Klein).same in 40 ds. for 1 IRC.(Padgett)."Winter in Finland" cd. in 27 ds.(Brown).

Got some nice ones here gang!



milano

Free Radio

milano

**FINLAND:** Radio Finland 15105 f/d "Flag" cd. in 38 ds. (Hascall). 9645 f/d "Spring in Finland" cd. in 32 ds. for 1 IRC. (Dunn). same for 17870 in 1 mo. (Barto).

**FRANCE:** RFI 15300 f/d "City Scenes" cd. in 47 ds. (Burns). 15200 in 50 ds. for 1 IRC. (Brown)

**FRENCH GUIANA:** French Region Trois 3385 cd. in 1 mo. for a FR rpt. (Klein). same in 30 ds.

**GABON:** La Voix de la Renovation 4777 f/d cd. and ltr. in 223 ds. (Glonet). (McCarthy).

**GEORGIAN SSR:** Radio Moscow via Tbilisi on 17805 in 41 ds. (Kusalik).

**GERMAN DEMOCRATIC REP:** RFI f/d "Statue" cd. in 53 ds. w/ 3 stamp covers (George). 6010 f/d "Muggelturm" cd. in 2 mo. (Barto). 9730 f/d cd. in 2 mo. (Prisco). 17880 "RBI DX Club" cd. and stamp cover in 36 ds. (Brown). 17880 "Alexanderplatz" cd. in 8 wks. and a personal ltr. from Rudi Friedel. (Lobdell). 11890 "Berlin" cd. in 44 ds. (Klein). same for 9730 in 51 ds. for 1 IRC. w/ station decal. (Dawson). 17880 f/d "Marchenbrunnen" cd. in 2 mo. (Barto). 17840 f/d "Blue Tower" cd. in 2 mo. (Wallace). 9730 f/d "Berlin at Night" cd. in 41 ds. for 2 IRC's. (Burke). same in 37 ds. (Dunn).

**GREECE:** VOA Kavala 6070 f/d "Statue of Liberty" cd. in 5 ds. v/s Kathy Burson. (McCants). 11925 f/d cd. in 12 ds. (Wastradowski). Voice of Greece 9760 f/d cd. in 1 mo. (Alexander).

**GREENLAND:** Greenland Radio 5980 folder cd. in 32 ds. for 1 IRC. v/s B. Hansen (Hoffman).

**GUAM:** TWR 15175 f/d "World Map" cd. in 10 wks. v/s Linda Horton. (Overcamp). 9640 f/d cd. in 23 ds. for 2 IRC's. v/s D. Fisher. (Alm). 15135 f/d "Map" cd. in 44 ds. (Prisco). cd. in 1 mo. (Abraham).

**GUATEMALA:** Radio Cultural 3300 Petapa, f/d "Quetzal" cd. in 35 ds. v/s Wayne Berger, Chief Engineer. (Sillings). same in 27 ds. (Dunn). same in 102 ds. (B. Martin). in 38 ds. (McIntosh). in 18 ds. for an EG/SP rpt. and 1 IRC. (Prisco). in 32 ds. for 2 IRC's w/ sked. (McCants). Radio Maya de Barillas 3325 f/d "Mayan Warrior" cd. in 1 mo. for a SP rpt. and 1 IRC. v/s Loran W. Veith, Sr., Gerente. (Klein).

**GUINEA-BISSAU:** Radio Nacional 5041 cd. in 4 mo. for a PT rpt. and 2 IRC's.

**HAWAII:** WVVH 5000 f/d "Aloha" (Mikell). cd. in 10 ds. v/s C. L. Trembath. (Dunn). in 13 ds. (McCants). 15000 in 11 ds. (Noonan). in 9 ds. (Leithner).

**HOLLAND:** Radio Nederlands 9715 f/d "Bornstein-Moure-Speekmah" cd. in 12 ds. w/ station decal (Koenig). Free Radio Broadcasting Company 6214.5 bright orange paper type cd. in 5 wks. for 3 IRC's. (Berg). ...Very nice Jerry and welcome to the FRBC QSL Club... Sam.

**HONDURAS:** HRVC 4820 "Map" cd. in 3 mo. for an EG rpt. and 1 IRC. v/s Miss Ines Alvarado. (Onken). in 97 ds. (Sally). in 3 1/2 mo. (Sillings). same in 6 mo (Taylor). in 1 mo. (Klein). in 182 ds. (B. Martin). same in 32 ds. for 1 IRC. (Grenier). in 203 ds. (Alm). in 129 ds. (Burns). same in 57 ds. for 2 IRC's. (Burke). same in 38 ds. for 3 IRC's. (McCants). in 184 ds. (Hoffman). in 55 ds. for 2 IRC's. (Prisco). in 248 ds. (Weber). for 2 rpts. in 281 ds. and in 160 ds. (McIntosh). ...They must of started cleaning out their report file!!! 14 QSL's in 1 mo!!!... Sam. Radio San Isidro 4844 ltr. and a very beautiful pennant in 5 wks. for a SP rpt. NA SWBC QSL #700. (Barto).

**HUNGARY:** Radio Budapest 6000 "Blue Bridge" cd. in 1 mo. (Barto). same for 9585 in 3 mo (Klein) "Are You a Member" cd. for 6110 in 80 ds. (Baum). same in 31 ds. for 6160 (Meehan). 9585 "Shortwave Club" cd. in 36 ds. for 2 IRC's w/ sked. and pennant. (Burke).

**INDIA:** AIR Madras 6085 f/d personal ltr. in 26 ds (!) from D. P. Ramachandra, Deputy Director. (Kusalik)... Nice QSL and report time... Sam. 9525 via Bombay (?) in 43 ds. v/s Golsind Bedi. Card was a photo of "Marine Drive in Bombay". (Alm).

**IRAN:** NIRT 9022 f/d "Zahedan TV" cd. in 155 ds. (Swanson). 15084 f/d "Bandar Abbas TV" cd. in 46 ds. for EG rpt. and ms. (Glazzy).

**ISRAEL:** IBA 9435 f/d "Declaration of Independence" cd. in 51 ds. for 1 IRC. (Padgett). 7412 and 9815 in 1 mo. (Klein). 5900, 7412 and 9815 w/ f/d "Western Wall" cds. in 51 ds. w/ sked. (Burns). same cd. for 5900 in 61 ds. for 1 IRC. (Padgett). 7412 in 30 ds. for 2 IRC's (Byron). 9425, 9815, 11655 and on 7412 in 1 1/2 mo. I sent them 10 different rpts. and didn't receive a pennant. Didn't think it was worth it. (Sillings). "Golden City" cd. in only 4 years after a little bit of large scale griping about all those rpts. never being answered. (Levesque)... Diane, I'll have to give you congratulations for hanging in there!!!



BEAUTY!

## Groetjes van Radio Noordzee

**ISRAEL:** Thank you for the letters and notes correcting the spelling of Israel. I guess that I have some trouble with this word. I will try to rectify the situation....It takes approximately 2 hrs. to type and design each page in this QSL Column. Thats anywhere between 18-20 hours for the weekend in which it is typed. It must be remembered that NASWA's editors unlike some closed - membership DX publications, are not perfect...we just try a heck of a lot harder.

**ITALY:** RAI 9575 f/d "Ritrattodi Bambino" cd. in 3 mo. (Klein). 6010 f/d "Vaprio sull'Adda" cd. in 118 ds. (Burns). same in 94 ds. (Clark). 6050 and 5990 f/d "Il Pescatore" cds. in 7 wks. (Barto). 6010 "Italian Paintings" cd. in 80 ds. for 2 IRC's. (Baum). same for 11810 in 10 mo. (Berezowski). IBF 5000 f/d cd. in 72 ds. (Hoffman).

**JAPAN:** Radio Japan 9595 f/d "Dolls" cd. in 10 ds. for 1 IRC. (Dunn). 15105 f/d "Straw Horse" cd. in 16 ds. (Eastman). Far East Network 6155 "Emblem" cd. in 11 ds. for a SASE. (George). NHK 3377 "Tachibina" cd. in 11 ds. (Howard). 3259 same cd. in 11 ds. (Howard)...Very nice.

**JAVA:** RRI Djakarta 11790 "Multi-lingual" cd. in 5 mo. w/ a travel brochure written in GM! (Sarrazin). 11789 in 6 wks. (Berg). gki (Routenburg).

**KALIMANTAN (BORNEO):** RRI Banjarmasin 5970 ltr. in 31 ds. for 1N rpt. and ms. v/s A. Njon-KAZAKH: Radio Moscow via Alma Ata on 17850 for the 1000 service to SEA and on 15210 for the 1100 service to India. (Berg). 17850 in 7 wks. w/ pennant (!). (Cannon). same w/ "Skyscraper" cd. in 38 ds. (Routenburg).

**KENYA:** Voice of Kenya 4885 Mombasa, f/d ltr. w/ transmitter site. Letter was received via Nairobi. Previous rpt. to Mombasa went unanswered. v/s Rushid Bakuli. 30 ds. (DiLeo).

**KIRGHIZ SSR:** Radio Moscow via Frunze on 17825 for the 1000 service to SEA. (Berg).

**KOREA, DEMOCRATIC REP:** Radio Pyongyang 11535 f/d "Opera" cd., pennant, postcards and sked. along w/ 4 IRC's in 130 ds. (Pappas). 9977 f/d cd. w/ pennant, pin, calendar in 127 ds.

**KOREA REP:** Radio Korea 9650 f/d "Flag" cd. in 3 wks. (Lobdell). (Bruner).

**KUWAIT:** Radio Kuwait 12085 folder cd. in 73 ds. (B. Martin). same in 67 ds. for 2 IRC's. (Burke). same in 49 ds. for 1 IRC. (Fraser).

**LATVIAN SSR:** Radio Riga 5935 f/d blue and green cd. in 4 mo. (Fedor). Radio Moscow via Riga on 15220 for the 1000 service to SEA. (Berg). in 38 ds. (Routenburg).

**LIBERIA:** VOA Monrovia 15445 cd. in 11 ds. v/s Gayle Kucera. (Ponder). ELWA 11945 f/d "Drummer" cd. in 9 mo. (Prisco).

**LITHUANIA:** Radio Vilnius 15160 f/d "Bird in Tree" cd. in 123 ds. (McKinney). 7400 f/d "Castle" cd. in 118 ds. for 1 IRC. (Baum). Radio Moscow via Kaunas on 9635 in 41 ds. (Kusalik).

**LUXEMBOURG:** Radio Tele Luxembourg 6090 f/d "Antenna Tower" cd. in 1 mo. for 1 IRC. (Schweikart). in 22 ds. (Leithner). in 17 ds. (Burns). in 22 ds. (Prisco). in 12 ds. for 1 IRC (Brown)

**MALAGASY REP:** Radio Nederlands 11740 f/d "Staff" cd. in 17 ds. (Noonan). same in 52 ds. (Wallace). 11730 in 25 ds. (McCants). 17855 f/d "Antenna" cd. in 1 1/2 mo. (Wallace).

**MALAYSIA:** Radio Malaysia 4985 Penang f/d fold out cd. in 174 ds. w/ sked. (Tiers).

**MALTA:** IBRA Radio via Radio Mediterran on 5990 in 13 ds. for 1 IRC. v/s Mrs. Janson. (Desrosiers).

**MAURITANIA:** Radio Nationale 4845 f/d "Antenna Map" cd. in 2 mo. for a FR rpt. and 1 IRC. (Cannon).

**MAURITIUS:** MBC 9710 f/d cd. in 3 wks. for a 1977 reception. v/s N. Rambert, Chief Engineer. (Sarrazin).

**MEXICO:** Radio Mexico 15385 ltr. in 134 ds. for EG rpt. and 1 IRC. v/s Luis Reyes de Maza, Director of Radio and TV. Also rcvd. a pennant. (Clark).



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**MEXICO:** Radio Huayacocotla 2390 white and green cd. in 34 ds. for ms. (Abraham). same in 38 ds. v/s Jorge Villalobos G. (Kusalik). Radio Universidad de Sonora 6115 cd. in 10 ds. (Fedor).

**MONACO:** TWR 7125 f/d "World Map" cd. in 56 ds. for 1 IRC. (Salay). 7105 in 52 ds. for 1 IRC. (Desrosiers). in 106 ds. (Tiers). in 2 mo. for 2 IRC's. (Prisco). same in 126 ds. (Berezowski) in 50 ds. for 1 IRC. (Sillings). in 2½ mo. (Sarrazin). in 123 ds. w/ pennant. (Pappas).

**MOROCCO:** VOA Tangier 9650 f/d "Four Scenes" cd. in 70 ds. (Klein). 6060 in 26 ds. v/s Kathy Burson. (Burke). 6080 in 5 ds. (B. Martin).

**NEPAL:** Radio Nepal 3425 f/d white cd. in 80 ds. for 1 IRC. Station wants reports! (Osterman).

**NEW ZEALAND:** Radio New Zealand 11780 f/d "Harbor" cd. in 60 ds. for 2 IRC's. (Wastradowski). same in 7 wks. for 1 IRC & pennant. (Barto). in 18 ds. for 2 IRC's. (Burke). in 5 wks. for 1 IRC. (Berezowski). 11820 w/ same cd. in 17 ds. for 2 IRC's. (Klein). 17710 f/d cd. in 1 mo. (Bishop). 11820 w/ same cd. in 2 wks. for 2 IRC's. (Klein). 15130 f/d cd. and pennant in 18 ds. for 1 IRC. (Wendt). 15130 f/d "Lake View" cd. in 3 wks. for 1 IRC. (Barto). 11780 f/d "Hot Springs" cd. in 17 ds. for 1 IRC. (Pappas). 17710 cd., pin & pennant in 1½ mo.

**NICARAGUA:** Radiodifusora Nacional 5945 ltr. in 3½ mo. for a SP rpt. and ms. v/s (Fedor). Orlando Meza Lira, Director General. Letter states that they will return to 5950 when new crystal arrives. (Lazarus). in 120 ds. for SP rpt. and ms. (Gavaras).

**NIGER:** Radiodiffusion du Niger 5020 tri-color "Map" cd. in 5 wks. for a FR rpt. and 2 IRCs. This was my 300th SWBC station verified. (Lazarus)...I'm still looking for this one. Sam.

**NIGERIA:** NBC 11770 Ikorodu f/d "Flag" cd. in 26 ds. for 2 IRC's. (Onken). in 3 mo. for 11770 and 15120 (Barto). 7225 in 4½ mo. (Berezowski). 15120 in 6½ mo. (Wallace). 7275 in only 2½ yrs for 3 IRC's. (B. Martin). 4990 via Shogunle in 7 wks. (Overcamp). NBC Benin City 4932 f/d cd. in 30 ds. (Cannon). Radio TV Kaduna 6090 f/d "RTK Logo" cd. in 5 mo. v/s Ibrahim Argungu, Chief Engineer. Addr: Broadcasting Co. of Northern Nigeria, Ltd., 7 Hospital Rd., P.O. Box 250, Kaduna. (Cannon). same in 357 ds. (Gionet).

**NORWAY:** Radio Norway 9610 f/d "Ski Lodge" cd. in 61 ds. (Wastradowski). 9610 f/d "Frogneseteren" cd w/ a small flag in 28 ds. (Hillman). 15175 f/d "Oslo" cd. in 60 DS. (Meehan). 15175 f/d "Winter Chalet" cd. in 68 ds. (Burke).

**OMAN:** Radio Oman 11890 ltr. in 1 mo. on my 3rd try. Travel brochures received. (Sarrazin).

**PAKISTAN:** Radio Pakistan 15520 f/d "Main Gate of Royal Fort" cd. in 5 mo. for 3 IRC's. This is my first reply since 1971. Patience and Persistence. (Insinger)...Sometimes its more rewarding to wait...Sam. 9645 w/ same f/d cd. in 275 ds. for 1 IRC. (McIntosh). 11640 f/d cd. @ 244 ds. VIC # 100! This was only my 17th report. (Ravenhorst). 7195 w/ same cd. in 2 yrs. for 1 IRC. (McCarthy)...Very slow verifier!

**PAPUA NEW GUINEA:** NBC 4890 Port Moresby, f/d cd. in 31 ds. for 1 IRC. (Colcaue). in 20 ds. for 1 IRC. (Dunn). same in 24 ds. for 2 IRC's. (Pappas). in 25 ds. for 1 IRC. (Meehan). in 108 ds. (McCarthy). in 28 ds. w/ a pennant for 2 IRC's. (Brown). same in 50 ds. for 1 IRC. (Gionet). in 1 mo. for 1 IRC. (Hermann). in 20 ds. for 3 IRC's. (Prisco). in 21 ds. w/ sticker (Klein). same in 15 ds. w/ pennant & sticker (Hascall). Radio East Sepik 3335 cd. in 230 ds. for 3 IRC's. Also rcvd. a pennant. (Gavaras). in 3 weeks for 2 IRC (Sarrazin). Radio Madang 3260 f/d folder cd. in 3 wks. for ms. v/s J. K. Koniel. (Berg).

**PAPUA NEW GUINEA (East New Britain):** Radio East New Britain 3385 f/d cd. in 10½ mo. (M. Smith).

**PARAGUAY:** Radio Nacional 6025 ltr. in 43 ds. for a SP rpt. and ms. v/s Carlos Montaner (Routen).

**PERU:** Radio Inca del Peru 4762 f/d cd. in 12 ds. (1) for a SP rpt. and ms. (DiLeo)...Very nice QSL Joe...Sam. Radio del Pacifico 9675 f/d "Machu Picchu" cd. in 28 ds. for a SP rpt. and ms. (Hoffman).

**PHILIPPINES:** FEBC 17810 f/d "Map" cd. in 1 mo. for 2 IRC's. (Pappas). same in 36 ds. for 3 IRC's. (Prisco). in 150 ds. v/s Zeny Visca. (Gionet). 15440 f/d "Green Sunset" cd. in 65 ds. (McIntosh). 15450 in 41 ds. for 1 IRC. (Desrosiers). 7225 f/d "Bamboo" cd. in 49 ds. (Burke).



HI-FI

DI SALVO  
VIA della LUNGARA 33  
Tel. 658022 - 659431

**PHILIPPINES:** Radio Veritas Asia 11725 f/d "Sunset" cd. in 24 ds. v/s Larissa V. Paner. (Hoffman). 11955 f/d "Mines View Park" in 18 ds. for 1 IRC. Mini-pennant also rcvd. (Desrosiers). VOA Poro/Tinang 9555 f/d cd. in 10 ds. (Klein). 6110 f/d cd. in 25 ds. (Weber).

**POLAND:** Polish Radio 9525 f/d cd. in 51 ds. and a personal ltr. from Zdzislaw Frackiewicz (Wastradowski). What a mouthful!... Sam. 9675 cd. in 1 mo. (Klein).

**PORTUGAL:** Radio Portugal 17880 f/d "Fountain" cd. & sked. in 26 ds. (Wastradowski). 11935 f/d tourist postcard in 7 wks. w/ pennant and membership to the R. Portugal DX Club. (Stanziale). f/d "Plaza" cd. 1 mo. (Hillman). same in 28 ds. (Gallucci). in 22 ds. for 1 IRC. (Dunn). f/d "Sail Boat" cd. in 25 ds. (Birkhaeuser). Adventist World Radio 9670 Listener designed cd. in 25 ds. (Klein). In 104 ds. (McIntosh). Radio Vox Fiaei 9670 f/d "Garden of Eden" cd. in 15 ds. for 1 IRC. (McCarthy).

**RHODESIA:** RBC 3396 via Gwelo f/d "Map" cd. in 22 ds. v/s B. O'Brien (Taylor). same in 37 ds. for 2 IRC's. (B. Martin). in 2 mo. for 2 IRC's which they returned. (Lazarus). in 23 ds. for 2 IRC's. (Burke). in 26 ds. (Hoffman).

**ROMANIA:** Radio Bucharest 5990 f/d "International Airport" cd. in 90 ds. (Salay). same in 112 ds. w/ local stamps. (Taylor). in 82 ds. (Clark). 5990 f/d "Young Girl of Muscel Region" cd. in 90 ds. w/ an amulet. (Meehan). f/d "Sculpture" cd. in 2 1/2 mo. (Klein).

**RWANDA:** DW Kigali 7225 cd. in 2 1/2 mo. (Sillings). (Abraham).

**SAO TOME:** Radio Nacional 4807 f/d "Four Scenes" cd. in 11 wks. for EG rpt. and 1 IRC.

**SARAWAK:** Radio Malaysia 4950 via Kuching f/d "Broadcasting House" cd. in 15 ds. (Fedor). same in 16 ds. for ms. v/s Salleh Askor, Director of Broadcasting. (Taylor).

**SAUDI ARABIA:** BSKSA 11855 cd. in 5 mo. via registered mail for 2 IRC's. (Schweikart). f/d "Crossed Swords" cd. in 70 ds. v/s A. M. Bahtain. (Cannon). 9730 and 11870 via Riyadh in 2 mo. v/s A. M. Swailem. (Barto).

**SEYCHELLES:** FEBA 11800 yellow.

"Map" cd. in 40 ds. (Sillings). same in 21 ds. for 3 IRC's. (Prisco). same in 59 ds. for 1 IRC. (Desrosiers). 11840 cd. in 5 wks. (Barto). 11945 cd. in 123 ds. (Martin).

**SIERRA LEONE:** SLBS 3316 f/d ltr. in 1 1/2 mo. v/s H. A. Lynch. (Bishop).

**SINGAPORE:** Radio Singapore 9635 f/d "Singapore by Night" cd. in 31 ds. for 1 IRC. (McCarthy). same in 19 ds. for 1 IRC. which was returned. (Hoffman).

**SOLOMON ISLANDS:** SIBC 5020 f/d "Crest" cd. in 22 ds. for 2 IRC's. Addr: Box 654, Honiara. (Wastradowski). 9545 in 6 mo. (Vincent). 2nd f/d cd. for a 1977 reception. Maybe they will start coming annually? (Fedor).

**SOUTH AFRICA:** Springbok Radio 4875 f/d "Industry" cd. in 30 ds. for 1 IRC. (Padgett). 4810 same cd. in 1 mo. for 1 IRC. (Prisco). same in 33 ds. for 1 IRC. (Desrosiers). 4810 "Pictorial" cd. in 1 mo. (Klein). Radio RSA 11900 f/d "Zebra" cd. in 3 wks. (Gallucci). in 23 ds. for 2 IRC's. (Prisco). in 24 ds. (Dunn). f/d "Johannesburg" cd. for 15220 and 17780 in 16 ds. (Noonan). same card for 15155, 11900 and 9585 in 5 wks. (Barto). 15155 w/ same cd. in 17 ds. (Burns). 21535 w/ same cd. in 18 ds. (Eastman). 11900 f/d "Zebra" cd. in 30 ds. w/ a pennant for 2 IRC's. (Torre). 21535 f/d cd. in 38 ds. for 1 IRC. (Byron). 5585 f/d "Giraffe" cd. in 23 ds. for 1 IRC. (Ventura). 9585 w/ "Zebra" cd. in 5 wks. w/ pennant. (Koenig). Radio South Africa 4880 f/d cd. in 1 mo. (Klein). SABC 4835 f/d "South African Things" cd. in 21 ds. for 2 IRC's. Also rcvd. stamps. (McCants).

**ZUO 5000** f/d form ltr. in 6 wks. for 1 IRC.

(Abraham). Radio Five 3320 f/d cd. in 1 mo.

**SPAIN:** Radio Exterior de Espana 6065 (Berg).

Agranda f/d ltr. in 3 wks. (Barto). same in

28 ds. New pennant is being prepared.

(Burns). 11880 in 44 ds. for 2 IRC's.

(Koenig). in 31 ds. (Eastman). in 7 wks.

**SRI LANKA:** VOA Colombo 15185 cd.

in 3 ds. (Martin). same in 8

ds. (McCarthy). 11745 in 22 ds

(Burke). 11935 in 7 ds. (Alexander).

SLBC 15120 f/d cd. in 4

mo. v/s J. M. Heraty. (Wallace).

11870 f/d cd. in 34 ds. for 1 IRC.

(Wallace). 9720 f/d cd. in 4 mo. for 1 IRC.

(Alm). 11835 in 16 wks. (Buras). Adventist

World Radio 11800 First reception report from

NATII (Thornton)... Congratulations... Sam.



freitags 19.02 - 20.00 Uhr  
ALLE VERBUM III 1987

radio veronica

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Your QSL Editor  
has QSL Column  
report forms  
available for  
an SASE.



I sincerely  
hope that all of  
our readers have  
a great QSL summer.

**SUMATRA: RRI Palembang** 4855 f/d cd. in 54 ds.

for IN rpt. and ms./v/s Djamaluddin s.

(Dileo). same in 2 mo. for an IN/EG

rpt. and ms. (Bishop). **RRI Pekanbaru**

5885 f/d ltr. in 64 ds. for an

EG rpt. and 1 IRC. v/s Azil

Azwar, Station Manager (Wallace)

**SWAZILAND: TWR 9730 f/d "Warrior"**

cd. in 27 ds. v/s J. Olson (Hill-

man). 4760 in 28 ds. for 3 IRC's.

(George). 9730 in 1 mo. (Klein).

17745 in 19 ds. for 1 IRC. (Pappas). in

33 ds. for 2 IRC's. (Byron). **Radio SR 3223**

same cd. in 3 wks. for 1 IRC. v/s Bill Cookson,

Chief Engineer. (Howard).

**SWEDEN: Radio Sweden** via Varberg (USB) on 17785 w/ f/d cd. in 1 mo. (Barto). 21555 in 23 ds.

(Hardester). 9605 in 1 mo. w/ f/d "Map" cd. and pennant. (Barto). f/d cds. for 6130, 11735,

11850, 17770, 11705 and 11950 in 5 wks. (Barto). 11845 in @ 1 mo. v/s Anette Beijer (Kusa-

lik). 11855 in 11 ds. (Wendt). 17845 w/ f/d cd. in 22 ds. (Hardester). 17790 via Horby in 26

ds. (Burns). f/d cds. for 9535, 6120, 11845, 11920, 15125 and 9720 in @ 1 mo. (Barto). 9695

in 5 wks. w/ pennant. (Barto). 15130 in 5 wks. (Barto). 11850 in 1 mo. (Barto).

In 17 ds. w/ pennant for 9605. (Wastradowski). f/d cds. in @ 1 mo. for 6035, 9605, 15390,

17735, 9695 and 15305. (Barto). cds. in 1 mo. for 6065, 9665, 17790 and 15240. (Barto).

11745 in 43 ds. (Wallace).

**SWITZERLAND: SBC 11850 f/d "SBC Buildings"** cd. in 1½ mo. (Noonan). 6135 w/ same cd. in 60 ds.

(Meehan). cd. in 6 wks. (Leithner). **Red Cross Radio**

"Earphones and Globe" cd. in 4 mo. (Abraham).

**TADZHIK: Radio Moscow** via Dushanbe on 21505

for the 1200 service to Indonesia. (Berg).

same in 38 ds. (Routenburg).

**TAHITI: French Region Trois** 11825 f/d

cd. in 66 ds. for a FR/EG rpt. (Salay)

**TAIWAN: BCC 15345 f/d "Gardenia" Branch**

Embroidery" cd. in 34 ds. for 1 IRC.

pennant also rcvd. (Padgett). same

in 54 ds. w/ lapel pin (Clark). **Voice**

of Free China 17890 2 cds and a

pennant in 1 mo. (Verneti). same in

37 ds. for 1 IRC. (Desrosiers). 15425 in

35 ds. for EG rpt. and used stamps (Burns).

**TANZANIA: Radio Tanzania** 15435 f/d cd. in 7 mo.

(Wallace). same in 3 mo. for 1 IRC. (Hermann).

4785 "Sauti Ya Tanzania" cd. in 6 mo. for 1 IRC. (Cannon).

in 130 ds. for 1 IRC. (Buras). in 8 mo. (Bishop). 9685 in 169 ds. for 2 IRC's. (McIntosh).

**TUNISIA: RTVI** via Sfax on 7275 f/d "Korbous" cd. in 23 ds. for 1 IRC. (Pappas).

**TURKEY: Voice of Turkey** 7175 f/d "Tapestry - Ideal Matbrasi" cd. in 80 ds. for 2 IRC's.

pennant also rcvd. (Koenig). same for 9515 in 29 ds. w/ pennant for 1 IRC. (Ventura).

**UKRAINE: Radio Kiev** 15100 f/d cd. in 42 ds. (Wendt). 7150 f/d "Lesya Square" cd. in 65 ds.

(Meehan). "Palace of Culture" cd. in 87 ds. (Fraser). "Lybid Hotel" cd. in 2 mo. (Stanziale)

7400 f/d "Shevchenko State Univ." cd. in 48 ds. (Klein). 7210 f/d "Tower" cd. in 46 ds.

(Weber). 7215 f/d "Rusanivka" cd. in 1 mo. (Noonan). 7300 in 2½ mo. (Noonan). 12005 and 9800

cds. in 2 mo. (Wallace). 7100 f/d "Dneiper River" cd. in 44 ds. (Dunn).

**UPPER VOLTA: RTV Voltaique** 4815 f/d form ltr. in 70 ds. for a

FR rpt. and 2 IRC's. (McIntosh). in 33 ds. for ms. (Routen-

**USA: KGEI 5980 f/d "San Francisco"** cd. in 1 mo. (Berg).

(Stanziale). in 1 mo. (Berg). in 2 wks. (Wendt). 9615 in

20 ds. for an SASE. (Desrosiers). WYFR 17845 f/d "Sky-

scrapers" cd. in 19 ds. (McCants). 11780 f/d "Globe"

cd. in 23 ds. (Burns). same cd. for 15130 in 16 ds.

(Klein). in 38 ds. for an SASE. (Fraser). 21525 in 11

ds. (Noonan). 17845 in 16 ds. (Wastradowski). 9630 in

2 wks. (Klein). **WINB 15175 f/d "Mike-Tower"** cd. in

2 wks. for an SASE. (Desrosiers). 11905 in 6 ds.

(Wendt). 11775 in 250 ds. (Hascall). same in 34 ds.

(Stanziale). **WWV 5000 f/d "Signal"** cd. in 58 ds. v/s

John B. Milton. (Burke). same w/ "Indian" cd. in 60 ds

(Stanziale). 2500, 5000, 10000, and 15000 in 42 ds.

(Klein). 15000 in 12 ds. (Leithner). **UN Radio - Delano**

15270 blue & white cd. in 4 mo. (Lobdell). **VOA Delano 17895**

f/d cd. in 10 ds. (Burke). **VOA Bethany 17820 f/d** cd. in 5 ds.

(Baum). **VOA Greenville 6030** cd. in 92 ds. (Byron).



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Thankyou for the kind comments on the Verification Techniques publication. Many of you have stated that it has provided new ideas and approaches to combat the complex problem of obtaining specific QSL's. Copies are available from your QSL Editor for \$2.50.

VERIFICATION CARD

RADIO TANZANIA  
ZANZIBAR



Confirming your reception of  
Radio Tanzania - Zanzibar broad-  
casting on 3339 kHz, 90 meters,  
from 0301 to 0337 Greenwich Mean  
Time (GMT), April 5, 1975.

The details you have provided are  
in accordance with our programming.

THANKS FOR LISTENING

*1-5-75*  
*[Signature]*

to.

Larry M. Abraham  
3839 Sherman  
Bridgeport, MI 48722

U.S.A.

USA: VOA 9929 cd. in 3 wks. (Barto). 2380 w/ 120 mb. on cd. in 15 ds. (Klein)..Interesting!!!

Brotherhood of Bootlegers Inc., Voice of the Voyageur 5850 First QSL!!! (Gavaras). Post mark was from Ann Arbor, Michigan. Station verified report from NASWA logging pages. Same QSL also rcvd. by Greg Ravenhorst....Great QSL from both of you in Minn....Sam.

UZBEK: Radio Tashkent 9540 f/d "Statues" cd. in 39 ds. (Prisco). in 36 ds. (Wallace). 6025 in 27 ds. for 2 IRC's w/ ltr. from Mrs. Nadira Babadjanova, (Burke). Radio Moscow via Tashkent 15330 f/d cd. for the 1000 service to SEA. (Berg).

VATICAN: Radio Vatican 11875 f/d cd. in 35 ds. (Wallace). 9605 f/d "Transmitter Site" cd. in 26 ds. for 1 IRC. (McCants). 17900 f/d "Garden" cd. in 24 ds. for 2 IRC's. (Weber). 17825 cd. in 1 mo. (Barto). 15120 f/d "Antenna" cd. in 18 ds. (Noonan). 9605 f/d cd. and a paper pennant in 3 wks. (Wendt)...First time I've heard of the Vatican with a pennant.

VENEZUELA: Radio Universidad 3395 full color post card of the telecommunications center in 6 wks. for a SP rpt., tape and ms. v/s Enrique Orangel R., Director-Proprietario (Lobdell). Radio Juventud 4900 cd. in 1 1/2 mo. for a SP rpt. (Schweikart). La Voz del Tigre 3255 SP Form ltr & a beautiful pennant in 7 wks. for a SP rpt. & ms. v/s Graciela Cedeno, Dpto. de Medios. She says she's 20 and single. (Lobdell)...You ain't left yet?...Sam. Radio Nacional 15400 f/d cd. in 1 mo. for an EG/SP rpt. v/s Charlie Nash. (Prisco).

VIET-NAM: VOV 10040 f/d ltr. in 22 wks. (Wallace). same in 210 ds. w/ pennant. (Weber).

WEST IRIAN: RRI Sorong 4875 f/d cd. in 89 ds. for 1 IRC. (Gionet). same in 40 ds. for an IN/EG rpt. and a tape. v/s Soedarsono. (Kusalik).

YEMEN ARAB REP: Radio Sana'a 4853 f/d ltr. in 80 ds. for an EG rpt. (Cannon).

YUGOSLAVIA: Radio Belgrade 9620 f/d "Rijeka" cd. in 42 ds. (Baum). in 40 ds. for 1 IRC. (Bir-khauser). in 165 ds. for 1 IRC. (McCarthy). in 48 ds. for 2 IRC's. (Onken). same in 48 ds. (Prisco). f/d "Dubrovnik" cd. in 192 ds. (Weber). same in 3 mo. (Klein). f/d "Mostar Bridge" cd. in 57 ds. for 2 IRC's. (Burke). same in 40 ds. (Cannon). in 56 ds. for 1 IRC. (Salay).

ZAIRE: Radio Lubumbashi 4750 personal ltr. in FR in 361 ds. for a FR rpt. v/s Makosso Zinga, Chief Engineer. (Fedor)...Nice QSL...Sam.

ZANZIBAR: Radio Tanzania Zanzibar 3339 a prepared cd. (pictured above) was received in a total time of nearly 3 years. Very welcome here as one of my best ever. (Abraham)..... This verification would be very welcome in almost anyone's collection...Great...Sam.

EDITORS NOTE: Thank you gentlemen. We must be doing something right as we smashed the record once again. Old high was 118 countries. A few months ago we hit 129...now we have hit new heights with 132 countries reported. I don't believe there is any other DX bulletin that can match the accomplishments of our great members. Keep up the great work gang!!!...Sam.



HAPPINESS IS  
typing the  
last few words  
of the column.

*[Signature]*

# update

May 1978 Number 18

Tom Alleman  
615 W. 43rd Terr., Apt. 6  
Kansas City, MO 64111  
(816) 931-5943 2330-0330

UPCOMING DEADLINES: 12 May (Mid-May); 22 May (June); 10 June (Mid-June)

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AFGHANISTAN Kabul, 15365, TENTATIVELY noted in lang at 1203 w/ talks by M in AR-like lang. Very poor. (Rich Orloff, NJ)

ALBANIA Tirana, 9745, in EG at 0000. Thought it was a move from 9750 but found them back on the higher freq a couple of days later. (Bob Zilmer, WI)

ANGOLA Em. Reg. Benguela, 5040.5, noted in passing while calibrating for Cook Is. w/ PT talks by M at 0510; fair sigs. (Pitt McNeil, DC; 4-10) \*\*\* We should all have such luck calibrating the rig!!! tba

AUSTRALIA RA noted on following freqs at 1100, all // w/ EG nx: 5995, 9540, 9580, 9770, 11705, 11790 SSB, 11880. All good. (Orloff, NJ) +++ RA, 9510 NF, in EG at 1200 w/ nx to PNG // 9540. Unlisted freq, as is 9770. (Zilmer, WI) +++ RA, 9770 in EG at 1200 w/ nx // 9580, 9670. (Zilmer, WI) +++ RA, 15320, in EG 0330 w/ usual stuff. (Ruth Vollrath, MO)

BISSAU Rdf Nacional, 5041, at \*0558 w/ cheap sounding drum IS only 2.5 seconds long, ID by W 0603, anthem, then W w/ another ID w/ freqs and sked. Into some very enchanting and rhythmic mx w/ M mumbling to the beat. Very strong. (Pitt McNeil, DC)

BRAZIL Daura R. Clube, 3275, in PT 0040+ w/ distortion due to solar flare. M DJ w/ mixed vocals. Another stn underneath--Mara??? (Bill Whitacre, MI, 4-14)+++ R. Ed. de Uberlandia, 3345, in PT at 0032 IDing as "R. Educadora"; then M DJ and vocals. (Whitacre, MI) +++ R. Cultura (per IDs heard), 3365, very strong at 0025 w/ M and W in PT, singing ID at 0030 then some ads. (Whitacre, MI; 4-14)

CAPE VERDE IS. R. Barlavento, 3926v, finally IDed 25 March 0838-0934 w/ talks by W to studio audience and very short tunes. At 0859 M read 2 sentences mentioning Barlavento 3 times. At 0900, pips, then ID as "Sao Vincente-R. Barlavento" then possible mx by M. Am also sure that they use cavalry charge as jingle. (Dave Sarrasin, COL)\*\*\* Very nice. tba

CHILE R. Nacional, 6190, in SP 1103 w/ ID, TC, national nx. Bad mix w/ Ecos del Torbes. (Jack Jones, MISS; 4-14)

COLOMBIA Em. Kennedy, 4775, IDing as such during 0355 s/off annnmts. Gave MW, SW, FM freqs and calls, then NA to 0359\*. "LV de Maria" apparently only a sub slogan. (McNeil, DC; 4-16) +++ R. Guatapurí, 4815, in SP 0440, w/ ID be fast talking M. (Orloff, NJ) +++ Brisas del Citara, 4896, reactivated after about a year, first noted 10 Apr playing lively Colombian songs; fast DJ in after each. Noted from 0230 on; suspect s/off is 0430. (McNeil, DC) +++ Ecos del Atrato, 5020, in SP 0229 11 Apr, under, reactivated w/ usual Choco yippy accordion songs, IDs and a few ads. Fair, but undermodulated. (McNeil, DC) Atrato also noted here 0338-0359\* w/ vocals and DJ to 0358 SP ID, freqs and off w/ anthem. (tba)

CONGO RTC, 15190, in lang 2003 w/ talk by M, mentions Brazzaville. (Orloff, NJ)

COOK IS. R. Cook Is, 5045, w/ best sigs ever at 0430 11 Apr despite high QRN. S/on w/ W annex saying "Good Evening, everyone; this is Cook Is. Broadcasting Ser." then into EG nx. EG, Maori and island mx to 0459 t/out. (Dan Henderson, MD) \*\*\* Welcome, Dan. tba \*\*\* Cook also noted at 0449 on 10 Apr w/ light mx and M annex in lang. Possible nx at 0500 (EG ???) then back to island mx at 0506. Mx similar to that of Tahiti but w/ more percussion. At 0532 M talking in local lang w/ snatches of mx to 0538 t/out. Clear sigs, very readable on LSB. Started on 5044.9 and drifted to 5044.7 and stayed there. (McNeil, DC)

CUBA RM via Havana, 7400, in EG 2315 and into SP 2330. Other freqs: 7150, 7215, 7410, 9610, 11790, 15100 and 17070. (Orloff, NJ) \*\*\* You sure of last freq Rich??? tba

DOMINICAN REP. R. Mil, 4930, w/ s/off tape to 0259 then brief OC and immediately into mix of two stns, one w/ easy listening mx, and the other being LV de las Fuerzas Armadas w/ usual ID 0300. Both stns cut out at 0302\*. Don't know how this happened but it did! (McNeil, DC; 4-10) \*\*\* Truth is stranger than fiction . . . hi. tba

ECUADOR R. Iris, 3380, in SP 0257, w/ ID by M. Bad het. (Orloff, NJ) +++ R. Splendit, 5025, in SP at 1053 w/ Inca type flute mx and W vocalist. At 1055, M w/ TC, ID. (Whitacre, MI 4-12) +++ Em. Gran Colombia, 4910, in SP at \*1109; NA, theme mx, ID, freqs. Poor, but usually much better. (Jones, MISS; 4-12)

HONDURAS HRVC, 4820, at 0415 w/ close of relay from LV de las Fuerzas Armadas and into EG. W said that SP relay had concluded and that EG px would follow. Then back into usual canned gospel material. (tba)

HUNGARY R. Budapest, 11910, in EG 0200 w/ pips, NA, ID, nx, //9585, 6160 and weak 17710. (Orloff, NJ); also noted on 11910 w/ IS and into Hungarian. (Vollrath, MO)

INDONESIA RRI Sorong, 4875, TENTATIVELY noted at 1150 in Indo w/ pop mx and W anncr. (Jones MISS: 4-10) +++ RRI Jayapura, 4995 w/ surprisingly good sigs 1100-1120; unusual chanting type singing and native mx. Not measured, but right on freq. (McNeil, DC) +++ VoI, 11790, in possible Indo at 1200 w/ ID by M: "Inilah Suaraha Indonesia". Under DW. Had local mx w/ W singer before 1200. (Orloff, NJ)

IRAQ Baghdad, 3243, in AR 0420 w/ AR mx and M anncr. Fair to poor. Path seemed to favor EAfr, not Middle East. (Henderson, MD)

ISRAEL IBA was on strike from 1-12 April, causing cancellation of all px. Now back on the air. (Zilmer, WI)

ITALY RAI, Somali Ser., 17815, in Somali 1641; references to Aldo Moro after IS and NA. Bad QRN. (Orloff, NJ)

JAPAN NHK sked for 7 May-2 Sept: 2345-0045 to NAM in EG on 15270, 17825. 0130-0230 in EG to NAM: 15195, 17725, 17755, 17785. (Zilmer, WI)

KENYA VoK, 4934, in EG \*0259 w/ IS, anthem, ID: "We welcome you to the VoK, Nairobi." Into pop mx. Good sigs, high power tx. Alternates w/ 4804, not 4915 as previously thought. (McNeil, DC) +++ VoK, 4934, from \*0258 w/ flute IS and into EG mx. Still audible at 0430 recheck. Also noted 15 Apr at 0400 w/ long EG nx. (Henderson, MD) \*\*\* well heard here, too. tba

MALAGASY REP. R. Madagasikara, 3290; OC 0256, drum IS 0257:30, into choral anthem, M w/ FR ID, freqs, wavelenghts, then talk by M and disco at 0304, causing immediate t/out. Vy strong and right on freq. (McNeil, DC)

MOZAMBIQUE RM, 3210, in PT 0306 w/ nx. Noted on 14 and 15 Apr, better on the 15th (Henderson, MD) +++ RM Maupito, 4865, 0410, w/ ID and talk by W. Very strong. (tba) +++ RM Beira, 4896, w/ talk by M and tribal mx 0406. (tba)

NEW ZEALAND RNZ, 15380, in EG at 0345\*. Annecd freq change to 15130, 11850. (Orloff, NJ)

PERU R. Chanchamayo, 4895.5, in SP 0543 w/ upbeat songs and no anncmts till s/off 0551. Hard to copy ID, and anthem to 0556\*. Easy to believe that this is 400w. (McNeil, DC) +++

R. Nacional, 6082, in SP 1042 w/ local mx. Good but for spill from DW 6085. (Jones, MISS)

RWANDA R. Rwanda, 3330+, TENTATIVELY noted 0308 w/ drum mx and Afr wailing by M to 0315

t/out. Messy het w/ CHU, weakened by auroras. Good EAfr night. (McNeil, DC 4-15)

SAUDI ARABIA Riyadh, 5860, ex 6265 from 2240-2300 w/ AR talks by M to 2249 then Koran recitation. ID by M 2259, short NA and off. Good sigs. (McNeil, DC)

SOUTH KOREA Seoul, 9665 in EG 1130-1200 12 Apr. 9650 not heard that day but back as usual the next. 9665 heard only on the 12th. (Zilmer, WI)

SRI LANKA SLBC All Asia Ser., 15425, at 0132 w/ pop mx then "Back to the Bible." (Stu Klein, FLA)

SUDAN Omdurman, 5039-, in AR at \*0356 w/ AR style violin, anthem at 0359, AR ID by M 0400 and into Koran recitation. (McNeil, DC, 4-11)

SWAZILAND SCR, 3223, under UTE w/ rock mx 0417. (Henderson, MD, 4-15) +++ TWR, 3239.5, 0400-0420 w/ religious px 14 Apr and talks 15 Apr. Good. (Henderson, MD); TWR, 3240, in lang 0415 w/ sermon by M, very short choral work, EG ID, bells IS and 0417\*. (McNeil, DC)

SWITZERLAND SBC, 15305, in EG 0145; NF for spring. (Vollrath, MO)

USA (PIRATE) V o Voyager, 5850, in EG \*0500-0532\* 14 Apr. Very strong w/ usual "Melodies" px. Mentioned info on pirate stns in FRENEX, and said they would take calls on (212) 626-

9906. Line was busy when I tried to get through, though. (Greg Ravenhorst, MINN) +++ V o Voyager, 5850, in EG \*0458-0529\* w/ guitar IS, rock mx, frequent IDs, giving phone number as (212) 626-9906. Called number and got through; they said I was first caller and promised

QSL. Sigs very good. (Dave Walcott, TEX)+++ VoV also noted 16 April 0510-0540 w/ rock mx by Queen and "Nighttime Melodies" px. Good quality, but anncrs hard to understand. (Don

Petravick, Chicago, Ill.) \*\*\* Fine work gentlemen. Tom Gavaras got the first VoV QSL, and he was kind enough to send me a copy. Greg Ravenhorst and Jack Jones also sent copies of

theirs. I got mine on the 14th. All are handwritten w/ blue ball point pen on 8 1/2 by 11 inch

paper, and all had Ann Arbor, MICH, postmarks. Nonetheless, pattern of reception suggests

that they are in Minneapolis area, or possibly southern Minnesota or northern Iowa. The

phone number they gave has also been used by WGOR, a New York area pirate. Curiouser and

curiouser. . . tba

USSR Petrozavodsk, 4780, in RS at 0256 w/ talks by W, regal bells 0300-0301, choral anthem, then into RS by M & W. Very good. (McNeil, DC, 4-16)

VENEZUELA LV del Tigre, 3255, in SP 0235 w/ singing and talk by OM. (Orloff, NJ) +++ R.Mara 3275, in SP 0239 w/ ID guitar and trumpet mx. (Orloff, NJ) +++ R. Capital, 4850, in SP 1025

w/ nx, ID, TC. Couldn't find SRS. (Jones, MISS, 4-10) +++ R. Yaracuy, 4940, in SP \*0955 w/ NA, band mx, IDs, calss, freqs. (Jones, MISS, 4-13).

VIETNAM V o Vietnam dropped 12035 and now uses 12030 // 10040. Noted 14 Apr at 1157\*. (Zilmer, WI).

AND FINALLY . . . a non-log of CHU on 3330; just barely audible during auroras caused by solar flare 0100 14 Apr. Also of interest was post-Brazilian f/out around 0100; sigs on 31m

and lower had very fast (3 per sec.) fade on them from ionospheric saturation. Fast fade

got worse as freq got lower. 60m almost useless w/ fading so distorting sigs as to make them

inaudible. \*\*\* I tried 60 for about and hour on 14 April at approx. 0200. Although there were stns on the band, nothing was intelligible. Best to all -- Tom

# log report *section*

1600-4899



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Hello again, and welcome back to Log Report A where awards will be given for the greatest number of, and most accurate IDs of Indonesian stations in the 120 meter band! Well, not really, but we do have our usual increase in the number of reports on Indonesian stations from Down Under...Here in Washington, the noise levels are up and have been for some time, making listening difficult. And as difficult as it may be for anyone to believe, the last sheet of ice just melted off the far end of my longwire (but reception did not improve). Encouragement for the summer months--please write for Shortwave Center. IR-A may run dry during the coming months but Shortwave Center should never have to suffer! Enough idle verbiage--on with the May Log Report.....

- 1610 USA Pirate WGOR: 2055 w/phone-in pgm from listeners, and ID (YACONO 3/17)  
0200 WICE w/phone-in pgm, mx (TWIGGS 2/15) Rock & Roll, very few amts by a M  
anor with overmod; some UTE hrd on 1610, but // 3220 on 3/21 (HENDERSON)
- 2200 NICARAGUA La Lider: 0310 SP, w/IDs, TCs with SP mx; fair signal (Onken 3/11)
- 2284 INDONESIA UNID: Hrd here in IN at good lvl, 1200 past 1500; is non-RRI  
(WILLIS-AUS 3/20)
- 2340 PAPUA NEW GUINEA R. West New Britain: 1143-1205 Pidgin, C&W and pop mx, TC,  
ID by M; great day for PNG stns in 120 and 90 meter bands (ALM 3/18) Mx pgm  
from 1125 w/complete ID 1130, faded by 1200 (FIELD 3/22)
- 2340 CHINA Fuzhou: 1258 CH w/symphonic mx, excellent lvl, very little tlk (POPPIN)
- 2376 PAPUA NEW GUINEA R. Chimbu: 1208-1214 in Pidgin with local island mx by  
vocal group; amnt by M but no ID hrd (ALM 3/18)
- 2390 MEXICO R Huayaocotla: 0058 SP, smooth SP mx, ID, tlk in SP and more mx  
(MARTIN) 0116-0134 tlks by M, ranchera mx, program preview between selections;  
ID 0130, 0134 "noticias del campo..." (BOLITHO 3/22) 0150-0205 orch mx, tlks,  
IDs and vocals (THOMPSON 3/15)
- 2410 T PAPUA NEW GUINEA R. Eastern Highlands: 1134-1137 Pidgin with C&W mx, no ID  
(ALM 3/18)
- 2428 T PAPUA NEW GUINEA R. New Ireland: 1024-1101 Pidgin, choral and local mx with  
accompaniment, amnts by M, possible ID (ALM 3/18) 1125 w/nx followed by mx  
1139, including religious selections; faded by 1200 (FIELD)
- 2450 PAPUA NEW GUINEA R. Western Highlands: 1112-1118 Pidgin, C&W mx, pop mx,  
amnt by W, no ID (ALM 3/18)
- \*2475 INDONESIA R. Angkatan Bersenjata: Indo pop music at 1458 and into RRI news  
relay 1500; Fair, even on SPR-4 which is terrible on 120 meters (HENDERSON)  
Reports by Dan Henderson are from March on a trip in Washington state. . .DR
- 2550 UNID: BERMUDA ZFB Hamilton on 3/16 from 0250-0440 w/musical pgm, two IDs,  
ad for Bermuda; is this a harmonic when MW freq is 960? Not hrd since (FIELD)  
Truely a strange one Marlin--are you sure of freq--DR
- \*2725 INDONESIA RKPDP Tingkat dua Sumedang: Noted here in clear 1456 w/gamelon mx,  
ID 1457 by M; easy copy (HENDERSON)
- \*2857 UNID: Indonesian station (listed RKPDP TK II Magelang) from 1300 to 1500 abrupt  
s/off; fairly good level (WILLIS-AUS 3/18) Lombok Timur, Selong?? 2854..I can't  
find any listing for Magelang--is it new--DR
- \*2935 UNID: Unlisted but loud, Indonesian hrd here daily from 1300 to 1550; tends not  
to relay any government news pgm, suggesting non RRI for sure; good level, best  
1500 (WILLIS-AUS)
- \*3000 UNID: A whole bunch of Indonesians around this channel, none of which are ID'd  
as yet--3,000 from 1300 to 1500. Also at these times, 3002, 3005, 3012, 3015  
all hrd equally well during latter part of March (WILLIS-AUS)
- \*3022 UNID: TENT RPD Tk. II Kendal--could this be the one hrd here 1230 past 1300;  
good level but no pos ID yet (WILLIS-AUS 3/15) Please inform when ID'd--thanks...
- \*3025 UNID: Another unlisted Indonesian here 1300-1400; also 3027, 3042, 3066, 3084  
all during this time period, all good, but none ID'd--lots of work here! (WILLIS-  
AUS in late March)
- \*3055 INDONESIA RKPDP Tingkat II Sampang: Indo tlks and pop mx 1350-1400; a new 7-tone  
TS after ID, RRI chimes, into relay of RRI Surabaya mx 1400, G (HENDERSON)

- 3076 UNID: Possibly RPKDK Flora here 1400 w/RRI nx, not RRI Surabaya nx, into 3-tone chimes TC, ID, then gamelon mx; fair, this first time logged by me; name begins with a "B" and sounded like Flora but maybe something else (HENDERSON)
- \*3106 INDONESIA RPKD Sumbawa: No matter what DUDXC says, Sumbawa here, at least on 3/8 with easy copy of RRI nx relay, into lcl ID for Sumbawa at 1333, and Indo pop mx pgm after (HENDERSON)
- \*3117 T INDONESIA RDK Serang: Almost positive ID, to 1600\*, always good (WILLIS-AUS)
- 3127 UNID: Another unlisted Indonesian, good at 1200, but must be under 50 WATTS as it never gets loud enough to ID (WILLIS-AUS)
- 3143 UNID: Indo here 1438 on 3/8 with M in IN tlk, poor under UTE (HENDERSON)
- 3157 UNID: Indonesian also here 1400, others on 3184, 3179 same time (WILLIS-AUS)
- 3184 UNID: Stn here w/gamelon mx and pop mx selections 1442 w/Indo vocals; not listed DUDXC #10; not a bad level around daybreak (HENDERSON-WA)
- 3200 CHINA Fushou: 1425 CH, classical mx (BRYAN 3/19)
- 3204 NIGERIA NEC Ibadan: 0610-0630 EG/vern jazz mx until 0615; into sermon-like vern tlks until 0625 when EG ID noted (BOLITH 3/19)
- 3215 T SULAWESI RRI Ujung Pandang: 1215 M in tlk in IN, very strong signal(FIELD) 1431 Indo pop mx, M ancor (BRYAN 3/19) ID's?!!!!
- 3215 T CELEBES RRI Manado: 1225 w/chorus, mention of Jakarta and "Mendo 1227 (POPPIN) Can we clear up the above two loggings and determine which (or both) are on?
- 3220 PAPUA NEW GUINEA R Morobe: 1125-1140 Pidgin, EL mx, "R Morobe ID 1130 (SMITH 3/19) From 1200 w/ C&W mx, faded by 1218 (FIELD 3/22)
- \*3225 SUMATRA RRI Tanjung Pinang: 1435 IN, lcl mx (BRYAN 3/19) 1442 vocals (POPPIN)
- \*3230 T CHINA, REP OF ECC/CBS-BED 31: CH with M&W in tlks 1343, pips on hour like NHK medium wave (HARDESTER 3/23)
- 3232 SUMATRA RRI Bukittinggi: Here w/Islamic mx, ID by W and into Jakarta relay until 1529, then more Mideast type mx; strongest Indo on band (HENDERSON 3/8)
- 3240 UNID: 1158 w/M in IN, SCC and back to tlk--which Indo (FIELD 3/8) Likely Ambon
- 3250 SOUTH AFRICA SAEC: 0228 EG/AK mx and ads, nx and IDs(THOMPSON 3/15) 0400 EG ID and TC, ads (KENYON 3/11)
- 3255 VENEZUELA LV del Tigre: 0240 SP, LA mx and vocals, EG pops, ID (OSTERMAN 3/16)
- \*3259 JAPAN NHK: 0955-1028 JP, tlks in JP, 1015 EG ID "NHK", F-G//also 1112-1206 w/current popular JP mx program with young M&W ancrs; no ID hrd this time (HOWARD-CA 3/11,14)
- 3260 PAPUA NEW GUINEA R Madang: 1050 w/mx pgm, C&W mx (FIELD 3/28)
- \*3265 SUMATRA RRI Bengkulu: Hrd early as 1030, same time as hrd second harmonic of 6530 (WILLIS-AUS 3/20) 1240 IN, Indo and American mx w/tlk by M; 1259 ID by M, into "Rayuan Palau Kepala" and nx relay fm Jakarta; lost 1304 (GAVARAS 3/25) 1441 M w/ID (BRYAN)
- 3270 CHINA Peking: 1400-1600 EG tlks by M (HARDESTER 3/23)
- 3275 SWAZILAND TWR: EG religious px at 1900, E (WILLIS-AUS)
- \*3275 PAPUA NEW GUINEA R So. Highlands: 0957-1015 Pidgin, lcl mx, drums & chants, armt by M & ment of PNG (ALM 3/18) 1215 w/ some C&W mx (FIELD 3/7)
- 3280 ECUADOR LV del Napo: 0157 SP, tlk by M, possible ID 0200 (BOLITH 3/22) 1045 SP tlk with two W (PRATH 3/18)
- 3300 BELIZE RB: 0310-45 SP, mx, TCs, ads, M ancor (DESROSIERS 3/20) 0349 w/baseball coverage and ads (OSTERMAN 3/30) 1103 EG/SP ID, fogs, into C&W mx (JONES 3/30)
- 3300 GUATEMALA R Cultural: 0300-0445 EG rel. pgms (Clark,Dawson,Birkhaeuser,Kenyon, Jordan)
- 3316 SIERRA LEONE SLEC: 2355-2402\* EG, Sermon and hymn, ID, NA 0000 (SMITH 3/12)
- 3320 SOUTH AFRICA: Radio 5: Still showing here 0400, EG, pops, ads, wx, EG/AK ancrs, (OSTERMAN, FIELD, KENYON)
- 3322 PAPUA NEW GUINEA R North Solomons: 1045-1108 Pidgin, M ancor, U.S. pops (EDELSTEIN) 0800 EG/Pidgin, mx, tlk, C&W mx (ALM 2/28)
- \*3323 JAVA RRI Jember: 1338 IN, march with chorus followed by M&W in IDs and tlk, pop mx--wish all the IDs were this nice and clear!(GODFREY 3/9)
- 3325 ECUADOR Ondas Quevedenas: 0546 SP, M with ID, LA mx (EDELSTEIN 3/11)
- 3325 IRIAN JAYA RRI Jayapura: 1224 IN, M in comment between mx, some rock(POPPIN)
- 3335 PAPUA NEW GUINEA R East Sepik: 0931 EG/Pidgin tlk by M, lcl mx (TIERS 3/16) 1058 ID, time pips, TC and lcl mx (SAPOZNIKOW 3/12) 1143 EG/Pidgin, EL mx, folk mx, frequent IDs in EG and Pidgin (SMITH 3/19) 1000 mx, tlk, instr mx (ALM 3/6) 1034 Pidgin w/vocals and M ancor (POPPIN)
- 3340 CHINA Hailar: 1447 CH, classical mx, W ancor (BRYAN 3/19)
- \*3345 MOJUCAS RRI Ternate: 1144 w/Indo tlks, into light orch mx to 1200 Jakarta nx (HENDERSON) 1215 M in tlk to 1230 t/o (FIELD 3/8)
- 3345 BRAZIL R Cultura de Sergipe: 1225 PT, ballad mx, TC/ID 1230, ID "R Cultura, La Capital de Belem..." ment Belem and Para (SMITH 3/12) LISTED-- R Ed Uberlandia hrd 0037-0140 w/mx pgm, some TCs, poor (FIELD 3/10)
- 3350 T FERU R Independencia: 0000-0100 SP tlk, LA mx/songs, under Ghana(OSTERMAN 3/31) Syd-Ghana s/off 2300-2305...did you have R Impacto here 3355 or what?!--DR

- \*3355 JAVA RRI Sumenep: 1500-1535 t/o w/Jakarta rx and Indian-type mx (HENDERSON)  
 3360 GUATEMALA LV de Nahuala: SP ID/marimba mx to 0355\* (LOBDELL) 0140 LA mx, SP tlks (MARTIN 4/7)
- 3360 ECUADOR R Federacion Sucua: Fm 1005 w/Indian pgm, mx and M in tlk, hrd til 1050 when LV de Nahuala s/on (FIELD 3/16)
- 3365 BRAZIL R Cult Araraquara: 0835 PT, M in tlk, ment Araraquara (BISHOP 3/28) 0040 w/mx pgm, fairly good, no ID hrd (FIELD 3/20)
- 3375 SUMATRA RRI JAMBI: Hrd clearly here w/Jakarta relay 1511 (HENDERSON 3/8)  
 3375 ANGOLA RN: 2330-2359\* PT, ID by M //3355 barely audible (EDELSTEIN 4/3) To 0000\* PT and EG mx, tlks, frogs and ID before s/off w/NA (Salay 3/21) 0452 w/pol tlks, ment "Zimbabwe (OSTERMAN 3/19)
- \*3377 JAPAN NHK: 1010-1110 EG/JP Pacific rx in EG to 1015; EG/JP conversations; 1030 all EG; 1100 "This is NHK Al High School EG pgm..." (HOWARD 3/11) 1049 with the same; into JP lang 1200 and reference to NHK by M (POPPIN 3/25)
- 3380 GUATEMALA R Chortis: \*1058 flute IS, ID; 1135 SP, clear ID, LA mx (JONES, GALLAGHER, FIELD, PRATH)
- 3385 PAPUA NEW GUINEA RENB: 1034 EG, tlk on vocational education; 0843 tlk and pops; 1050 EG/Pidgn w/rock and instr mx(SMITH, HOWARD, ALM, OSTERMAN)
- 3385 FR GUYANA FR3: 0816 pops, 0915 M DJ with FR mx(GODFREY, BROOKWELL) 2350(OSTERMAN)
- 3390 ECUADOR R Zaracay: 0330-0340 SP, LA vocals, IDs(Cunningham 3/15) 0445-0500\* w/mx and rumbas, full ID by M at s/off (JORDAN) 0350-0500\*, ID, armts(KENYON)
- 3395 VENEZUELA R Universidad: 0342-0355\* SP, pops, IDs between songs(CUNNINGHAM 3/15)
- 3396 NIGERIA NBC Kaduna: \*0430 EG/Vern, ID, tlks, high-life mx, ad for restaurant with menu! (OSTERMAN)
- 3396 RHODESIA RBC: 0358-0415 EG, IS, ID and rx (CUNNINGHAM, PHILLIPS, ONKEN, TAYLOR, OSTERMAN)
- 3414 SUMATRA RRI Medan: Here with kroncong mx 1450 (HENDERSON 3/6)
- 3428 UNID: Indonesian here w/indo pop mx pgm 1233-1258, into ID by M and RRI rx 1300; Seems to be an RRI stn (HENDERSON)
- \*3433 JAVA RPK Tingkat II Kediri: Noted here 1506 not in RRI rx relay, poor(HENDERSON)
- \*3446 T JAVA RRI Purwokerto: Well hrd here, but no pos ID yet; ID here is listed in DUDRC survey; good level (WILLIS-AUS 3/20)
- \*3484 JAVA RPKD Tingkat II Pamekasan: Noted w/Balinese mx 1453 (HENDERSON in Washington state on a DDXpedition in March)
- \*3504 INDONESIA RPD Banyuwangi: First time noted, 1455 w/Indo mx pgm, into RRI relay after IS Rayuan Palau Kelapa, lcl ID 1518, Fair (HENDERSON 3/6)
- \*3576 JAVA RPKD Situbondo: Here w/RRI relay 1511, readable (HENDERSON 3/6) Listed in old TBS as possibly inactive and only 250 watts.....DR
- \*3607 JAPAN NHK: 1210 w/radio play in JP, applause, 1215 chime (POPPIN 3/25)
- 3708 UNID: Another unlisted Indo here 1300-1500 and other UNID on 3835, 3804, 3865, 3871, 3876, none ID'd; 3850 excellent, believed located in Timor(WILLIS-AUS)
- \*3762 JA VA RPKD Tuban: Likely the one here 1512 w/RRI rx (HENDERSON 3/6)
- \*3800 JAVA RPKD Jember: Hrd 1240 w/W in Indo tlk; (HENDERSON)
- 3905 T IRIAN JAYA RRI Jayapura: 1128 IN tlks by M; two anthems, no ID hrd but "Suara Indonesia" hrd clearly twice; into live speech (HARDESTER)
- 3905 ADMIRALTY IS R Manus: 1200 Pidgn, 3 pips, ID and tlk, into US C&W (SMITH)
- 3925 JAPAN NSB: Dominating the band here, 0800-1100 in JP (ALM 3/8)
- 3926v CAPE VERDE R Barlavento/Voz da Cabo Verde/Sao Vicente: 0838-0904 PT, pos ID after 0900 pips, M mont "Barlavento 3 times, "Sao Vicente once(SARRAZIN 3/25) Me thinks a bit too late for this one, and I have noted it 0000 on 3930 very consistently--check it again and let me know--DR
- 3930 KOREA REP KBC Seoul: 1510 KR tlks, W in comment, above AROS (POPPIN)
- 3945 NEW HEBRIDES R Vila: 0917 FR/EG rock/pop mx, armts by M in FR (ALM 3/10) 0729 w/mx pgm on good South Seas night (HENDERSON 3/17) 0930 (BROWN)
- \*3960 CELEBES RRI Palu: Powerhouse 1300 w/nx relay, ID 1328, into pop mx pgm and GOOD (HENDERSON 3/8)
- 3960 SUMATRA RRI Padang: 1335 IN, network rx w/2 network IDs (GODFREY 3/23) Padang on 3962 easily hrd after Palu s/off 1530, in gamelone mx 1535 (HENDERSON 3/8)
- \*4000 T KALIMANTAN RRI Kenderi: Indo pop mx pgm 1340, ID 1345, into lcl nx bcast, not a relay (HENDERSON 3/8) RRI Pontianak 1402 w/IN tlks, M in nx (POPPIN 3/23) This should be listed on 3995--DR--sorry
- 4000 UNID: 0203-0223 AR, perhaps same as rptd by Sarrazin in March IR; tlk by M in apparent AR; frequently lost in AROS; frequency verified by calibrator; fairly strong throughout and good modulation--ID??? (CUNNINGHAM 3/17)
- 4141 INDONESIA RPD Kota Mayda Kediri: 1300 w/RRI rx relay (HENDERSON 3/8)
- 4460 CHINA Peking: 1432 CH, vocals, W anor, mx and ID (BRYAN)
- 4485 ASIATIC SSR Petropavlovsk: 1435 RS, M&W in mx (BRYAN 3/26) 0831 in RS7, tlk by M, light mx, good sigs (TIERS 3/11)
- 4525 CHINA Xilinhot: 1325 CH, W in tlk (GODFREY 3/9)
- 4680 ECUADOR R Nac Espejo: Usual IDs, tlk, SP, LA mx and vocals, echo IDs and ads (PAPPAS, KENYON, TANNENWALD, TIERS, EARHART, SAAF, ALM)

- 4699 JAVA RKP Surabaya: 1312 IN, network rx fm Jakarta w/IDs at 1316; into mx and tk (GODFREY) 1143 Min tlk (FIELD 3/16)
- 4719 SULAWESI RRI Ujung Pandang: 1045-1200 pops, M in tlk, 1200 mx (ALM, OSTERMAN)
- 4755 MOZAMBIQUE Beira: 0358-0420 PT, 3 clear IDs at 0358 "R Mocambique na Beira" w/repeated sequence on marimba; anthem 0400, into rock mx (SMITH 3/26)
- 4755  BRAZIL Rdi Maranhao: 2350 and 0910 PT, Brazilian instr, TC, smts, vocals, sports coverage (FIELD, ROBERTS, TANNENWALD)
- 4755 COLOMBIA Em Nuevo Mundo: 0406 SP, LA pops, M DJ, ment CARACOL (ERUILLETTE 4/2)
- 4760 VENEZUELA R Frontera: 0100-0310 SP, baseball scores, mx, ID 0240, severe HETS (FIELD 3/17, YACONO 3/27, BISHOP 4/5)
- 4762 PERU R Inca: On 3/28 mx pgm of Andean or Peruvian variety w/TC 1032(FIELD)
- 4764 SUMATRA RRI Medan: 1251 Indo tlk and soft mx; 1259 Love Ambon and into Jakarta relay (GAVARAS 3/26) 1322 w/interview, orch mx (POPPIN)
- 4770 LIBERIA ELWA: \*0628 and 2300\* EG musical pgms, s/off w/ID, NA; s/on and into rel pgm(ALEXANDER, COHEN, EDELSTEIN, JORDAN, KENYON) \*0658 3/19, had Intr trouble 0709, carrier off to 0711; came back on, had EL mx for a moment then an ID and apology for interruption, then another break in transmission(CUNNINGHAM 3/19)
- 4775a COLOMBIA Em Kennedy: 0327 complete ID, then Catholic rel service(FIELD)
- 4777 GABON RTVG: 2330 Vern tlk, some mx (LINEBACK) 2250-2330 mx and tlk (SALAY 4/4)
- 4789 IRIAN JAYA RRI Fakfak: Here 1200 Jakarta rx relay, on late past 1230 w/comment to ID at 1236 and 1238\* (HENDERSON)
- 4790 SWAZILAND TWR: 0410-0415\* EG rel pgm, M in tlk (OSTERMAN)
- 4790 PERU R Atlantida: 0450-0456\* SP, ID and anthem (LINEBACK 4/1)
- 4795 ECUADOR LV de las Caras: SP w/mx, complete ID 0359\* (LOBDELL 3/11)
- 4800 LESOTHO RL: 0404-0419 w/choral hymn, M ancr (HENDERSON, GODFREY, LOBDELL)
- 4800 ECUADOR R Popular: 0615 SP, Ecuadorian mx and tlk (ALEXANDER 3/11)
- 4804 KENYA VOK: 0400-0430 EG, domestic and world mx 0400-0420, then annts of day's pgms (SMITH 3/17, 18) EG mx 0404 on 3/16--best ever hrd (HENDERSON) 0430-0500 M DJ w/lcl mx, 0455 slow ballad (DESROSIERS 3/9) 1826 w/tlks in vern to 1830, then into EG pgm; tlk by M, pips on 1/2 hour (HARDESTER)
- 4807 SAO TOME E PRINCIPE RN: 2214-2301\* PT, mx, pop mx and choral anthem(EDELSTEIN)
- 4810 SOUTH AFRICA SABC: 0100-0500 the usual IDs and ads, EG/AK(KLUMB, MATTHEW, VALKO, SMITH, EASTMAN, BROUILLETTE, TIERS)
- 4815 UPPER VOLTA RTV: 0607 FR, pop and African mx, M ancr (GODFREY 3/20) 2300-0000\* FR, ID "LV de la Renovation...." (SALAY 3/18) 0539 (DESROSIERS)
- 4820 ECUADOR R Paz y Bien: Clear SP ID by M 0945, instr mx, G (LOBDELL 4/8)
- 4820 ANGOLA RN: 2300 PT, tlks by M and W, with some lcl mx (SALAY 4/10)
- 4825 DOM REP LV Fuerzas Armadas: 0256 SP, guitar mx, M ancr, IDs 0258 (YACONO 3/27)
- 4825 MALI Bamako: 0600-0610 in Vern, lcl style mx (LINEBACK 3/20)
- 4831 T ECUADOR R Luz y Vida: 0322 SP, Reloj off suddenly, this in with campo mx and poss ID 0330 (BISHOP 3/18)
- 4835 GUATEMALA R Tezulutlan: SP, 0159\* w/ID, freqs, "muy buenas noches, c/o200(JONES)
- 4835 SARAWAK RM Kuching: 1320-1345 in Malay tlks, instr mx, IDs, pips, nx and back to vocals and guitar mx (THOMPSON 3/20)
- 4840 VENEZUELA R Valera: 0915 SP with pops (PRATH) 0944 ID and YV mx (JONES 4/5)
- 4845 MOLUCCAS RRI Ambon: 1252 IN, C&W mx, W ancr, clear ID(SARRAZIN) ID, Love Ambon, but into speech by M instead of s/off (GODFREY 3/23)
- 4845 MALAYSIA RM: 1447 Bahasa, M w/ID, lcl mx/vocals (BRYAN 3/26)
- 4845 COLOMBIA R Bucaramanga: 0315 SP/EG annts, LA mx, tlk of "Int'l Voice of Colombia"; right under Surinam (GALLAGHER)0215-0350 EG/SP IDs(JORDAN, BAUM, ONKEN, PHILLIPS, DESROSIERS)
- 4850 SURINAM SRS: EG/DT, pop mx pgms, ads for Indo Ad Agency, Sat Night Special, excellent signals of late (14 rpters)
- 4850 VENEZUELA R Capital: 1030 SP w/pops and ads(PRATH) 0115 w/ID(FIELD) 0245 w/tlks, piano mx, vocals, guitars (THOMPSON 3/22)
- 4855 SUMATRA RRI Palembang: 1336 IN, M w/rx, mx and IN vocals by W (GODFREY)
- 4875v IRIAN JAYA RRI Sorong: 1015-1302--IN and EG ID by W in EG, played requests for listeners in AUS/JAPAN(RAVENHORST) 1015 IN(ALM) 1215 ID, pol tlk(SMITH) 1315 w/interview (GODFREY) 1150 IN pops vocals(TAYLOR) 1145-1235 (LINEBACK, SALAY)
- 4895 TURKMEN SSR Ashkabad: 0056-0100s/df w/mx, Mayak IS and off abruptly(BISHOP 3/25)
- 4895 PERU R Chanchamayo: 1030-1050f/o, SP w/bits of LA mx, tlk by M and weak ID 1045; during good South American night (GALLAGHER 3/28)
- 4895 MOZAMBIQUE RM: IS and ID at s/on by M in PT \*0359(HENDERSON) \*0359 w/NA, EG ID and into tlk, lcl mx w/drums, weak (ALEXANDER) 1500 from Beira (WILLIS-AUS)
- 4900 ECUADOR LV de Saquisilí: SP, good ID and TC after mixture of pop and Ecuadorian mx; Juventud off lately (JONES 3/27)

With quite a few necessary cuts of material we just pulled in under the wire this time-- will try to include some of the logs next month.....check 4875 for IDs as rpts indicate R Super de Medellin IDs there now.....

73 and good spring IX

# log report *section*

4900-6199



**STEVEN WISEBLOOD**

707 Loma Way, Santa Maria CA 93454\*\*\*\*\*

THIS SPACE RESERVED FOR ALL THOSE WHO DID NOT SEND IN REPORTS THIS MONTH!!!!!!!!!!!!!!

- 4904.5 CHAD RMT: \*0427-0507+ IS, ID, Anthem, FR ID as "Ici N'djamana", Afro flute mx and chants. FR nx 0500, AR nx 0505 (Roberts-MAN, Hamilton, Osterman).
- 4905 BRASIL R. Relogio Federal: 2755-0025 M in PT, pips and ID on hour by W. TC by W every 15 minutes. Fair w/pop mx (Lobdell, Twigg, Roberts).
- 4905 ETHIOPIA VoRE: \*0328-0408+ ID in presumed Amharic, NA and world nx to 0335, then commentary by M. Excellent, ID sounds like "R. yee-tee-pee" (R. Smith, Onken, MacKay/
- 4907.3 VENEZUELA R. Carora: 0340-0401\* SP Rock and prog jazz pgm (Bogel-CA). (Henderson/
- 4910 GUINEA Conakry: 0245-0440 local mx and chanting, FR ID (Roberts-MAN, Yacono-NY).
- 4910 ECUADOR Em. Gran. Colombia: 0422-0513 ballads, pop mx (Pappas, Baum, MacKay).
- 4911 ZAMBIA RZ: 0403-0609 Lively native mx, M & W in lang. (Bogel, Earhart).
- 4915 GHANA GBC-1: 2210-2255 talk in vern by M, organ mx and afro chants, EG nx at 2245 (Lombardo, Kenyon, Cucura). 0326-0329\* Afro chorus mx, GBC ID by W, NA (Osterman). 0532-0700, M in vern to 0600, then EG nx, Afro mx & lottery results (7 reporters).
- 4915 BRASIL Rdif. de Macapa: 0133 PT arnts and ID (Lobdell). 0940 TC, PT djs (Tannenwald).
- 4915 CHINA Nanning (Guangxi): 1740 in EG and CH, tlk about Mao (EG lesson) (Poppin).
- 4920 AUSTRALIA ABC Brisbane: 0830-0845 Beer ads, sports roundup (Jordan 3/18).
- 4920 HONDURAS R. Progreso: 0124-0410 ballads and LA pops, ID's (Jordan, Yacono-NY).
- 4920 ECUADOR R. Quito: 0048-0446 "La voz de la Capital" ID's, ads, Ecuadorian mx, mouse like voices (Edelstein, Valko, Jordan, Roberts-MAN, Alm). 1020 SP (Tannenwald).
- 4925 COLOMBIA Em. Meridiano 70: SP talk, ID and mx (Jones-MS).
- 4925 MOZAMBIQUE Rn: talk in PT 1640, // excellent 3338 (Willis-AUSTRALIA).
- 4925 CHINA Heilongjiang: 1746 CH radio play, W "talk-sings w/flute accompaniment through time pips at 1400!" (Poppin). 1030-1255 M in CH, choral mx (Lineback, Alm).
- 4930 DOMINICAN REPUBLIC R. Mil: 2340-0600\* EL mx, M in SP, arnts, ballads (7 reporters). 1055 soft LA mx, very fast talk by M (Gallagher 3/16).
- 4932 NIGERIA Benin: 0441-0550 EG religious pgm, ID "This is Benin", PSA's on safe driving, EG soul rock. The commercial service of Radio Nigeria (Lineback, Osterman).
- 4935 BRASIL R. Capixaba: 0038-0050 Brazilian pop mx, echo chamber arnts (Roberts-MAN).
- 4940 IVORY COAST RTVI: 2120 FR talk by M, Dave Brubeck mx (Desrosiers 3/5). 0610-0635 orchestral mx and choral group, trumpet mx and jazz (Bryan CA, Earhart).
- 4941.3 UNID Definitely an African w/many mentions of Angola 0524 (Henderson).
- 4945 COLOMBIA R. Colosal: 0208-0915 LA mx, M in SP, TC's and ID's (Alm, Kenyon, Valko).
- 4950 SARAWAK R. Malaysia: 1119-1500 CH mx and MoR mx, EG & CH (Alm, Klumb, Lineback, /
- 4960 VENEZUELA R. Sucre: 0228-0330 clear ID's, LA mx and tlk by M in SP (Thompson/ (Yacono-NY, Valko).
- 4965 COLOMBIA R. Santa Fe: 0100-0745 fast tempo LA mx, M in SP, ID's (6 reporters).
- 4970 VENEZUELA R. Rumbos: 0206 light mx, ballads (Valko 3/26).
- 4975 COLOMBIA Ondas del Ortegua: 1035 ID, TC, SP ads and mx (Jones-MS).
- 4980 VENEZUELA Ecos del Torbes: M in SP w/talk 0204 (Valko 3/26).
- 4980 GHANA GBC: 2230 EG religious pgm, ID, EG talk (Tannenwald 3/19).
- 4985 BRASIL R. Brasil Central: 0459-0740 PT pop mx, vocal mx, PT arnts, ID (6 reporters)
- 4985 MALAYSIA Penang: EG nx 1403, W w/commentary on Education, piano mx (Poppin).
- 4990 VENEZUELA R. Barquisimeto: 0030-0200 LA mx, M in SP, ID's (Valko, Prath). (Edelstein)
- 4990 SOUTH AFRICA RSA: 0345-0425\* Disco & rock mx "Good Morning Africa" (5 reporters).
- 4990 NIGERIA NEC Lagos: 0509-0515 EG political commentary, PSA's (Osterman, Lineback).
- 4995 INDONESIA UNID location: choral singing, talk by W in Indo, poor. (Osterman).
- 4995 SOUTH AFRICA RSA: Heard here 3/19 only at 0400, strong, 4990 listed (MacKay).
- 4996 PERU R. Andina: 0528-0546 accordion mx, lively folk songs, M in SP (Osterman, Poppin)
- 5000 GREAT BRITAIN MSF Standard Frequency Service: 0228-0330 Morse code ID's (Edelstein).
- 5010 SINGAPORE RS: 1505 E in EG, Classical mx //5052 (Bryan-CA).
- 5010 COLOMBIA R. Sur Colombiana: 0342 M & W in SP, LA mx (Jones-MS). 1014-1035 "R.Period.- (Roberts-MAN / Campesino" pgms (Lobdell 4.2).
- 5010 CAMEROON R. Garoua: 0515-0519 EG nx, AR chants, FR tlk & Afro pops (Osterman, /
- 5015 USSR (Asiatic SSR) Vladivostok: 0907 M & W in RS w/excited tlk (Tiers).
- 5020 SOLOMON ISLANDS STBS: 0820-1045 choral songs & island mx, EG talks and ID "This is the Solomons Broadcasting Service". weak but readable (Lobdell, Roberts-MAN, /
- 5020 NIGER ORTN: 0530-0540 Quite weak w/afro chants, FR ID 0535 (Bogel-CA). (Sapoznikow/

- 5025 ECUADOR R. Splendit: 0859-0930 ID's, ballads and guitar mx (Jones-MS, Cucura).
- 5025 BRASIL R. Borobrema: 0415-0430 LA style mx, PR tlk by M, full ID (Jordan).
- 5030 VENEZUELA R. Reloj Continente: 0300-0245 M in SP, LA mx, Orcestral, vocal & guitar mx (Thompson, Malone). 0931-1003 LA mx, M in SP w/talk (Cucura).
- 5033 ANGOLA R. Cabinda: \*0530 musical pgm w/guitars & drums, PT talk (Henderson, Field).
- 5038 CENTRAL AFRICAN REPUBLIC LV de L'Emp. C: 2235-2255\* FR talks (Taylor, Onken). 0502-0510 FR anmt by M, Afro choral mx. Poor-Fair (Roberts-MAN).
- 5039 SUDAN R. Omdurman: 0402 Koran recital (Taylor).
- 5040 COLOMBIA R. Cinco: 0345-0541 Super-charged station ID's by M, LA mx (Pappas, Jordan)
- 5040 VENEZUELA R. Maturin: 2310 LA mx, SP talk and ID (Tannenwald 3/20).
- 5045 BRASIL R. Cultura do Para: 0235-0302\* Brazilian ballads, ID at 0300, bossa-nova mx (Howard-CA). 0940 Brazilian ballads and PT talk (Tannenwald).
- 5045 COOK ISLANDS RCI: 0511 ID, TC, better than Togo at 0730, Island mx (Henderson). 0747-0829 50's solid gold/U.S. pop mx, local island mx, W in lang, Anthem? (Alm).
- 5052 SINGAPORE RS: 1330-1345 W in EG reading nx, then Waltz mx (Ottaway).
- 5055 SWAZILAND Swazi Trans World Radio: 1819 hymns //3200 (Willis-AUS).
- 5060 PERU Nac Progreso: 0345 folk mx w/occasional anmts in SP (Tannenwald).
- 5060 ECUADOR Em Progreso: 0325-0636 Accordion mx w/ vocalist (Bryan-CA, Yacono-NY).
- 5075 COLOMBIA R. Sutatenza: 0245-0330 Super-hyped intro, station ID w/echo effects, U.S. pop mx (Jordan). 1029 Pop Instrumental mx, ID, SP talk (Alm).
- 5095 COLOMBIA R. Sutatenza: 0150 M in SP w/talk (Yacono-NY). 0900 SP tlk (Tannenwald).
- 5192 ANGOLA Emisora Angola: Moxico old transmitter heard here for the first time since the civil war with PT mx and talk at 2239, on late past 0030 on Good Friday with excellent signal level. Many ID's for Angola, also "viva cuba"? (Henderson).
- 5850\*\*\*USA (Assumed) PIRATE-BOOTLEG "Voice of the Voyager": Noted by (Jones-MS, Gavaras, Sarrazin, Hywarren MAN, Roberts-MAN, Sapoznikow). Following is 21 March Xmsn: 7 and 8 note guitar interval signal \*0500, EG ID by M "You are tuned to the VoV, the champions of bootleg broadcasting", then into "We will rock you-We are the Champions" by Queen. Freq anmt and TC for 0506 GMT, request listeners to send rpts to major bulletins. DX tips at 0524 (Voice of Vietnam, N. Korea, ect..), "Bootleg Bulletin" mentions Jolly-Roger Radio to return to the air. Signs off with "The 1910 Glory song"? which the announcers sing along with. Closing anmt: "May the spirit of the Voyager be with you all...". Likely QTH: Extreme eastern Wisconsin or N. Minn. Announcers seem college age, probably from a college town. UFE QRM. Wow!!! -SCW
- 5930 CZECHOSLOVAKIA R. Prague: 2122 M in FR, ID, MoR mx (Edekstein). \*2230 in PT w/ID, program previews and nx (Pappas), \*0100-0110 EG "Topics of the Day" and "Mailbag", Jammed rather effectively (Malone, Brouillette). 0200+ M&W in SP w/nx (Jordan).
- 5935 LATVIAN SSR Riga: Mayak 0515-0520, light mx and RS anmts, Poor-Fair (Roberts-MAN)
- 5955 COSTA RICA TIQ-R. Casino: U.S. pops and light mx, EG anmts, ads, ID's (Roberts-MAN).
- 5955 COLOMBIA LV de los Centauros: 1007 ID's, Frequencies, opening anmts (Jones-MS) -SW/
- 5960 USSR (Asiatic SST) Vladivostock: 1030 W in lang., R. Moscow ID (Jones-MS) JP service/
- 5960 CANADA RCI: 2301 EG "World at 6", "As it Happens", 0000 nx (Marable-Italy). 0112-0116 FR nx and cmntry, ID (Brouillette). 0400-0427\* EG nx, sports, DX Digest (McCants).
- 5960 GERMANY (WEST) DW: \*0530-0555\* EG nx and current affairs (Eastman 3/22).
- 5965 BOTSWANA RB: 2157 Cowbell IS, chorus and W in lang. Vy. poor (Osterman 3/20).
- 5965 NIGERIA NEC Jos: 2200 M w/ID, mixing w/all kinds of QRM (Osterman).
- 5975 GREAT BRITAIN BBC: 2320-2330+ DX News, HCJB freq changes, ect... (Earhart-PA).
- 5980 PERU R. Panamericana: 0600-1119 Nonstop classical and folk mx, SP ads, ID's (Bogel-CA, Alm, Burke, Jones-MS).
- 5980 SOUTH AFRICA R. RSA: 0427-0502 Lozi service w/nx, EG pop mx, IS & ID (Godfrey, Bogel).
- 5990 MALTA IBRA Radio via R. Mediterran: 2030 EG, "Happiness songs", ID (Desrosiers).
- 5990 JAPAN RJ: 1023 EG, DX pgm by W (Alm). 1521 M in JP w/nx (Bryan-CA).
- 5990 ROMANIA R. Bucharest: \*2300 opening announcements in Romanian (Pappas). 0034-0055\* SP foreign service pgm, W in SP w/talk (Jordan). 0135-0148 EG nx, cmntry by W (Bob Martin, Prath, Leithner). 0215-0220 EG nx and political cmntry (Klumb).
- 6005 AUSTRALIA RA: 1700-1730\* EG World nx, cmntry, pop mx (Marable-ITALY).
- 6005 CANADA CFCX: 1900 EG nx, ads, pop mx. Strong (weihnold).
- 6005 MOZAMBIQUE RM: "Voice of Zimbabwe" 1800-1845 EG talk, signs off with the anmt by ZANU "Victory is Certain". Located by sleuthing around the 49 metre band (Willis-AUS)
- 6010 VENEZUELA R. Mil Cuarenta: 1028 ID, TC, Venez. pop mx, SP talk (Jones-MS).
- 6012 ANTARCTIC AFAN: 0615-0730 U.S. pop mx and oldies, EG announcer, ID (Howard, Henderson)
- 6015 VATICAN RADIO: 0100-0115 EG nx, religious commentary (Klumb-CA).
- 6015 BRASIL R. Clube Pernambuco: Freq. anmt, lively Brazilian mx 0840-0850 (Roberts-MAN)
- 6025 UZBEK SSR R. Tashkent: \*1200 EG cmntry (Gallagher). 1401-1428\* EG nx, ID (Godfrey).
- 6025 PORTUGAL RP: \*2030-2100\* M & W in EG w/nx of Portugal, ID (Marable-ITALY).
- 6025 MALAYSIA RM-Kuala Lumpur: 1530 EM local nx, time pips and ID by M (Bryan-CA).
- 6030 UGANDA RU: Excellent at 1700, EG programme (Willis-AUS 3/20).
- 6035 LIBERIA VOA-Monrovia: 0347 EG cmntry, agricultural info. (Bryan-CA).
- 6040 GERMANY (EAST) RBI: 0300 SP, freq anmt, IS & ID (Baum-PL).

- 6040 U.S.A. United Nations Radio: 0030-0100\* IS, ID and cmntry on Israel (Cunningham).  
 6045 JAVA RRI Jakarta: 1401+ M in IN w/nx followed by Gamelan vocal mx (Godfrey 3/16).  
 6045 SWITZERLAND SBC: 0430-0500 EG World nx, discussion and cmntry (Klumb-CA).  
 6050 ECUADOR HCJB: 0300 Classical and religious mx, SP talk (Clift).  
 6055 RWANDA RR: Excellent at 1500 with FR and hi-life mx, over the others (Willis-AUS).  
 6055 JAPAN NSB-Tokyo: 0851-0918 JP variety and drama pgm. No ID noted (Roberts-MAN).  
 6055nf U.S.A. WYFR: 2220-2240 typical WG pgms, bible interpretations (Earnart).  
 6065v CANADIA R. Super-Bogota: 0330-0345 Easy listening SP mx, guitar & vocals (Jordan).  
 6070 CANADA CFRX/CFRB Toronto: 1900-2030 wx rpt, EG nx, ads, pop and MoR mx (Jordan, Weinhold). 0013-0017 ads for Toronto area, pop mx, bad QRM (Cunningham).  
 6080 HUNGARY R. Budapest: 0203-0220 EG nx, commentary, discussions (Dawson, Prath).  
 6080 BELGIUM BRT-4: \*0015-0100\* "Belgium Calling", pop mx, discussions, cmntry (5 rpters).  
 6090 AUSTRALIA ABC Sydney: 0823-1315 pop mx, sports roundup, national nx, M w/cmtry, weather for New South Wales, ragtime mx (Bishop, Osterman, Howard-CA).  
 6090 LUXEMBOURG RL: 0110-0145 EG pop mx, ads, tourist info (Fraser, Birkhaeuser, Saaf).  
 6090 NIGERIA R. Kaduna: 2250-2315 tlks and chants in vern., EG nx 2300+ (R. Smith).  
 6100 USSR Asiatic SSR: 1000 R. Moscow FS-IS, W in lang w/talk (Jones-MS). JP list -SCW  
 6100 MOROCCO RIM: 2218 AR talks and Koran readings (Martin-LA).  
 6105 MEXICO Su Pantera: 1110-1159 SP armts and Mexican mx, ID's (Howard-CA, Jones-MS).  
 6105 HUNGARY R. Budapest: 0310-0400 EG nx and political cmntry (Klumb-CA).  
 6105 NEW ZEALAND RNZ: 0911 Comedy show w/audience. Poor (Osterman).  
 6115 COLOMBIA LVD Llano: 0900-1120 LA mx, M in SP w/many ID's (Clark, Prath).  
 6115 HUNGARY R. Budapest: 0246-0328 HG/EG, EG nx at 0300 & cmntry, QRM (Cunningham).  
 6116 MOZAMBIQUE RM: Excellent level, in PT //9623 & 7240, all good after 1500 (Willis-A)  
 6130 CANADA CHNX: 1900-2310 pop mx, wx, ID's, ads, EG nx (D'Angelo, Weinhold, Cohen-NJ).  
 6135 SWITZERLAND SBC: 0143-0215 "Dateline", "Good Friday", EG nx and cmntry (Thompson, Prath).  
 6140 COLOMBIA R. Melodia: 0718-0942 ID's, LA mx, Ranchera mx, back after a (Leithner/couple of weeks absence, "R. Melodia.....Mas Musica" (Gallagher, Jones-MS, Jordan).  
 6150 COLOMBIA LVD Huila: 1035 SP pop mx (Prath 3/18).  
 6155 AUSTRIA ORF: \*2300 IS followed by ID, then GM world nx (Yacono-NY).  
 6160 COLOMBIA Em Nueva Granada: 0715-0815, M & W in SP, LA pop mx, ads, SP nx (Jordan).  
 6160 CANADA CCMN: 1006 EG nx, sports, wx, pushing thru the Colombian! (Jones-MS).  
 6165 BRASIL R. Cultura de Sao Paulo: 0000 PT talk, local mx //9745 (Zilmer).  
 6175 BRASIL R. Guarani: 0835 M w/talk in PT, vocal mx and ID (Bishop).  
 6175 PERU R. Tawantinsuyu: 1014-1035 folk mx, W in SP, ads, Good (Jones-MS).  
 6190 VENEZUELA Ecos del Torbes: 1015-1023 LA mx and SP nx (Clarx).  
 6195 CANADA CBC-NS: 0230 "Jazz Radio Canada" EG (Malone).  
 6200 ALBANIA R. Tirana: EG communist talks abt Albania //7300 (Martin-LA).

A good month this month as far as the number of good (genuine) reports are concerned. I am not in the habit of throwing out reports, but some seem to get into the circular file month after month. VOA xmtr sites in the U.S.A., WYFR, HCJB, most Antigua-Ascension sites, and DW are so well received in the U.S. that normally their reports will not be printed. However, should something interesting happen on their programs, depending on what kind of information it is, I'll be glad to review the reports and file them away. Reports thrown away this month: About 40. A few were thrown out because of general confusion on the part of the DXer. (Its not nice to get Morocco mistaken for Egypt or Saudi Arabia!). Another word of advise: PLEASE, PLEASE, PLEASE don't send more than one station per slip of paper. Next month all reports will be thrown out not conforming to the rules of separate sheets of paper for separate frequencies! Well, its almost 6:00 and I've been typing nonstop for several hours so forgive me if I seem a bit abrupt (i.e. rude). 73's Steve

HELPING HAND: For sale, Immaculate R-390A in steel cabinet. SO-239 antenna input. Antenna relay system removed. Superb mechanical filters. Recently retuned. Peaked to perfection. Clean and bright interior. Well taken care of machine. Knobs were changed to suit present owner's taste. Possibly among the best-conditioned R-390A's existing. \$350.00 firm. Shipping extra. Ed Shaw, 507 Lafayette Avenue, Lexington, KY 40502. (606) 266-5366.

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 NOTICE PLEASE! HAP needs your help. Volunteers are needed to read sections of FRENDX onto tapes for use by sight-impaired DXers. Hap will furnish the tapes or reimburse readers for any expenses they might incur. If you're interested in aiding in this worthy project, please write to Wayne Davis, HAP-US Director, 27 Cleveland Avenue, Trenton, NJ 08609 for further details. Thank you.  
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## log report

section



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

DX REPORTS FOR THE LOG REPORT SECTIONS SHOULD BE SENT TO OUR DISTRIBUTION EDITOR: GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 56045!

\* Greetings! Your editor has just received a QSL letter from the Voice of the Voyager, postmarked in Michigan!!! What a great way to start a day!!! To whoever is responsible for mailing this verification to me, Thank you! How about an article describing your station for FRENIX? The Voice of the Voyager is heard occasionally on 5850 kHz and will verify your report if it appears in a major short wave club bulletin, as mentioned on their broadcasts.

I hope many of you are planning on attending the 1978 ANARC/Montrael convention on July 14-16. It should be a great time!!!

Well, on to the loggings with a few bootleg/pirate stations leading the list. \*

- 6206 BOOTLEG WINT; \*2255-2330\* English with an Interval Signal of chimes. At 2255 announced ID as WINT Radio 62 Special test. Pop music program with many ID's. (Zilmer 3/21 and also heard at 0002 s/off on 3/24).
- 6210 BOOTLEG Jolly Roger Radio (Indianapolis, Indiana); First active on March 14th at 2300 EG. Well-run with clean modulation. Progressive rock to 0025, classical (symphonic) music to 0500\*. Currently inactive on 1170 kHz medium wave channel and 98.7 mHz FM channel. Announced 30 watts into a W/S dipole. Measured frequency as: 6210.077 (quite close). Slightly observable second harmonic. (Taylor).
- 6210nf VATICAN STATE Vatican Radio; \*0630-0800\* Latin mass, world news, music, weather ~~for Rome~~; and religious features in English, Italian, Spanish and French. // 9645. (Osterman 3/21, Pickard 3/8).
- 6230 EGYPT R. Cairo; 0215-0315+ English News & interviews (Woltman, Schwayri, Thompson).
- 6250 KOREA (NORTH) KCBC; 1600 Korean talking, music and time pips. (Bryan 3/26).
- 6383 MONGOLIA R. Ulan Bator; 1220-1252 English programming. Heard well every day (Willis)
- 6600 KOREA (NORTH) KCBS; 2235 Korean talking by a YL (Lombardo 3/5).
- 7055v CHINA R. Peking; 2145-2225\* French talking to Afr/Europe with Chinese mx (MacKay).
- 7065 ALBANIA R. Tirana; 0020 English talk by a YL (Prath 3/6).
- 7105 ASCENSION ISLAND BBC; 0411 English African News program (Bryan 3/21).
- 7105 MONACO TWR; \*0625-0815 IS, English ID & Religious pgms (MacKay, Barhart, Clark).
- 7130 USSR R. Moscow; 0110 English news, cmntry, Moscow Mailbag, Moscow Review (Desrosiers)
- 7135 FRANCE RFI; 0553 French ID, music, frequency information, etc. Fair (Desrosiers).
- 7145 NIGERIA R. Nigeria (Ilorin); 0445-0512 English Sermon, talks & vernacular (R.Smith).
- 7150 USSR R. Kiev; \*0030-0100\* English nx, Viewpoint, Folk mx, etc. (Fraser, Alm).
- 7150 USSR R. Vilnius; \*2300-2330\* English ID, nx, Orch. mx (Pappas, Godfrey, Barhart, Stroh)
- 7150 UNIDENTIFIED (African); 0650 Spanish & unidentified language. Talk by man & woman, African folk mx, Speech by woman in SP w/African music. No ID heard. Help! (Godfrey).
- 7150 GERMANY (WEST) DW; 0419 Swahili talk by man & woman (drama) & music (Bryan 3/21).
- 7165 PHILIPPINES VOA (Tinang); 1353 English talk on U.S. Forest Service & nx (Thompson).
- 7170 TURKEY V. of Turkey; 0357-0425 Turkish talk, ID & Turkish music (Cunningham 3/25).
- 7175 USSR R. Moscow; 0224 English nx & cmntry. Listed in UHN as: Nikolayev (Ponder 3/13).
- 7190v USSR R. Moscow; 2300-0115 English nx, Spotlight on Sports, etc. (Fraser, Saaf).
- 7195 LIBERIA VOA; 0427 English with Breakfast Show pgm, news, etc. (Bryan 3/21).
- 7200 ENGLAND VOA; 0320 English with Breakfast Show, Guitar Music & News (Thompson 3/22).
- 7200 HUNGARY R. Budapest; 2121 English talk about Horse racing (Burke 3/12).
- 7200 USSR Yakutsk HS; 1612 Russian talking and opera (Bryan 3/26).
- 7205 USSR R. Moscow; 0130 English Moscow Review, Cosmonaut Contest Details (Desrosiers).
- 7210 SWITZERLAND ICRG; \*0600 w/SBC IS, ICRG Trumpet IS, ID in Spanish into Red Cross info & lite music. Arabic followed at 0628. Good signal but ARO QRM (Hywarren 3/31)
- 7215 BRUNEI R. Brunei; 1315 English news, ID & Orchestra music (Thompson 3/27).
- 7215 USSR R. Kiev; 0310 English talk about a Soviet Housing Project (Leithner 2/15).
- 7215 USSR R. Station Rodina; 0203 Russian talk by man & woman, ID's & music (Cunningham).
- 7230 MOROCCO VOA; 0400 English Breakfast Show, ID, News, etc. (Thompson 3/18).
- 7239 MOZAMBIQUE R. Mozambique; 1600 Portuguese program. Heard well! (Willis).
- 7265 GERMANY (WEST) Sudwestfunk; 0545 German Identification, news & music (Lineback).
- 7270 SOUTH AFRICA RSA; 0255 IS, English ID, News, Good Morning Africa pgm (Thompson).
- 7275 NIGERIA V. of Nigeria; 0610-0700 English News and music program (Klumb 3/13).

- 7275 TUNISIA RTVT; \*0415-0640 Interval Signal, full Arabic ID, chants and stringed mx. (Godfrey, Alm). 2310-2338\* Arabic cmntry on Israel & Soviets, ID (Pappas).
- 7280 LIBERIA VOA; 0522 English with Breakfast show program (Grenier 3/27).
- 7290 USSR MAYAK; 0330-0501\* IS, Russian ID, TC, News from Pravda, sports (Edelstein).
- 7295 MOROCCO VOA; 0654 English with pop music & cmtry. QRM by HAMS (Burke 3/4).
- 7320 USSR Magadan HS; 1618 Russian with Soprano Oprezza vocal (Bryan 3/26).
- 7325 ENGLAND BBC; 0400 Arabic talking and music (Schwayri 3/9).
- 7345 CZECHOSLOVAKIA R. Prague; \*0100 English news, mailbag & DX Program (Tomkewich, Cucura, Desrosiers). 0105 English ID & talk about spring (Schwayri). 0447 Spanish Panorama del Mundo program with ID (Pappas).
- 7360 USSR R. Moscow; 0200 English news, cmntry on Sino-Soviet relations (Desrosiers).
- 7360 USSR R. Vilnius; 2301 English sked, ID, Report on Soyuz 28. Good level (Burke).
- 7412 ISRAEL IBA; 0500 English news on UN security troops in Israel (Grenier). 2253-2301 English DX Program, news & ID. Hebrew news at 2300 (Cucura).
- 7440 USSR R. Moscow; 2305 English news, cmntry on human rights violations in US (Desrosiers).
- 7500 AUSTRALIA VNG Time Station; 1240 Time pips. Strong signal (Gallagher 3/28).
- 7504 CHINA R. Peking; 1352+ Chinese(?) talk with singing by a female (Godfrey 3/22).
- 7600 ECUADOR HD210A Time Station; 0025 Time pips with time announcements (Yacono 3/26). 0243-0301 Time pips, Spanish announcements each min, full ID before 0300 (Cunningham).
- 7620 CHINA R. Peking; 2145-2225\* French talking and Chinese mx to Afr/Europe (MacKay).
- 9022 IRAN VOI; 0045 Arabic talk & music (Martin 4/5) -I have lang listed as Persian(ed)-9323a
- NUMBER STATION; 0218 Bunch of 5-digit numbers read by woman in English! (Baum 3/11).
- 9360 SPAIN RNE; 0044 Spanish News with correspondent report (Martin 4/5).
- 9410 ENGLAND BBC; 0624 English w/Review of the British Press (Pappas). 1854 English w/Novelty songs, ID & News (Brouillette). 2251 English Sports news pgm (Martin).
- 9420 KOREA (NORTH) R. Pyongyang; 2100-2146\* English Great Leader Stories, cmntry (Marable).
- 9435 ISRAEL IBA; 2245 English with "Voices from Israel" program (Swanson 3/29).
- 9457 EGYPT R. Cairo; 0448-0515 Arabic news, reviews of editorials, etc. (Schwayri, Bryan).
- 9460 PAKISTAN R. Pakistan; 1606 English News & talk on Pakistan exports/imports (Marable).
- 9475 EGYPT R. Cairo; \*0200-0300+ English World News, cmntry, Egypt Today, music, etc. (Klumb 3/9, Fraser 3/18, Malone 3/25).
- 9480 ALBANIA R. Tirana; 2212 English program with RTTY Interference (Saaf 3/24).
- 9490 USSR R. Moscow; 2300 Interval Signal, Spanish News program, etc. (Jones 4/2).
- 9490 USSR Unidentified Soviet; 0531 Russian talking w/singing by man & female (Earhart).
- 9500 ALBANIA R. Tirana 0635 English talk on female equality in Albania (Jordan 3/9).
- 9500 LIBYA PRB; 2330-0100 Arabic talk, cmntry, ID, chants, music, time pips, etc. (Jordan, Hamilton, Levesque, Schwayri, Baum).
- 9505 DOMINICAN REPUBLIC RTVD; 2239 Spanish ID by YL, LA pops & vocals (Jones 3/12).
- 9515 TURKEY VOT; \*2130-2245+ English news, cmntry, Pop Club, Rock & Disco music, Time Checks, ID's, etc. (Fraser, Edelstein, Jordan, Saaf, Martin, Earhart, Kenyon).
- 9515 UGANDA UBC; 1630 English Foreign Service pgm. Well heard (Willis).
- 9515 URUGUAY SODRE; 0430\* Spanish ID "R. Emisora SODRE" twice before off (Twiggs).
- 9520 PAPUA NEW GUINEA NBC; 0730-0820+ English w/pop mx, Eno's Health Salt ads, sports report, etc. (Osterman 3/14, Tomkewich 3/29).
- 9525 INDIA AIR; 2000 English ID, World News, talk on Military topics (Jordan 3/18).
- 9525 KOREA (SOUTH) R. Korea; 1015 English w/Listeners Corner pgm (Brown 3/27).
- 9540 CZECHOSLOVAKIA R. Prague; 0111-0200 English cmntry on Trade Unions (Hancock, Tiers).
- 9545 GERMANY (WEST) DW; 0300 Spanish ID & News (Malone). 2225 Portuguese pgm (Saaf).
- 9550 USSR R. Station Rodina; 0200 Interval Signal into Russian programming (Plambeck).
- 9550 USSR R. Moscow; 2120 Arabic program with talking (Reffler 3/19).
- 9555 PHILIPPINES VOA (Tinang); 1255 English program with a fair signal (Osterman 3/28).
- 9560 ECUADOR HCJB; 0150-0300 English w/religious talking. DX Party Line from 0230-0300. (Desrosiers 3/6, Brouillette 3/26, Clark 3/16).
- 9570 QATAR QBS; 1353 Arabic talk, Mid Eastern music & ID (Godfrey; 4/3). 1940 Arabic Identification and news program. Music at 2015 (Bishop 3/24).
- 9570 ROMANIA R. Bucharest; 0140 English news & talk about communism (Cohen, Prath).
- 9575 INDIA AIR (Bombay); 1355+ Vernaculars talking & Indian music (Godfrey 3/31).
- 9575 ITALY RAI; \*0100 English news & talk about terrorism. (Martin, Tiers, Klumb).
- 9579 PHILIPPINES VOP; 0847-0910 English cmntry, mailbag program, news, etc. (Hancock, Osterman). 1025 English Identification and Piano music (Howard).
- 9580 ASCENSION ISLAND BBC; 0300 English with World News Program (Torsay 3/18).
- 9580 AUSTRALIA R. Australia (Shepparton); 1130-1300\* English with Profile on Tasmanian fishermen, Australia Tonight pgm, mailbag (Fraser, Torsay). 1636 English cmntry on Aboriginal tribes in Queensland, Australia (Bryan).
- 9580 USSR R. Moscow; 0605 English commentary on nuclear weapons (Hancock 3/9).
- 9580 ZAMBIA R. Zambia; \*1550 sign on w/bird IS, then man gives the program summary mainly in English. Mentioned programs dealing with the Zimbabwe African National Union, but times eluded me, seemed to be around 1715. Good level (Willis 3/15 & 20).
- 9585 HUNGARY R. Budapest; \*0200 English news, information & cmntry (Tomkewich, Martin).
- 9585 JAPAN R. Japan; 1300 English ID, news and commentary (Cucura 3/-).

- 9585 SOMALIA R. Mogadishu; 1836 Arabic with marching band music & talking (Twiggs).
- 9585 SOUTH AFRICA RSA; 2113-2148 African Survey, talk about species of fish found in S. African waters (Leffler, Eastman). 2230+ News & Panorama (Earhart, Torsey).
- 9590 HOLLAND R. Nederland; 0230+ English Letterbox, DX Juke Box, Happy Station, etc. 776165 (Tomkewich, Desrosiers, Eastman, Malone).
- 9590 PHILIPPINES R. Veritas; \*1400 English ID, Freq. Encounter, etc. (Cucura 3/10).
- 9590 SWEDEN R. Sweden; \*0030 English News, People in Sweden pgm (Tomkewich, Cucura, Saaf)
- 9595 JAPAN NSB; 1609 English with Tokyo forum program (Grenier 4/1).
- 9600 GERMANY (EAST) RBI; 2228 German transmission (Saaf 3/24).
- 9600 TAIWAN WFC; 2116 English ID, Mailing info, cmntry on Euro-Communism (Marable).
- 9605 CANADA DVG Relay; 0330-0456 German talking and pop music (Bryan, Torsey).
- 9605 CZECHOSLOVAKIA R. Prague; 1434 English cmntry by man & woman w/ID's (Godfrey).
- 9605 VATICAN STATE Vatican Radio; 0058 IS, Bells, English ID, Religious pgms (Alm 4/2).
- 9610 AUSTRALIA ABC (Perth); 1315-1445 English ID, Cricket results, Live Horse Race, etc. (Fraser, Grenier, Cucura, Klumb).
- 9610 USSR R. Kiev; 0315 English ID into mailbag program (Yacono 3/12).
- 9610 USSR R. Moscow; 2330 IS, Spanish ID. Transmission for Cuba (Jones 4/2).
- 9615 MOROCCO RTM; 2112 Arabic soap opera drama program (Leffler 3/19). Saaf)
- 9620 YUGOSLAVIA R. Yugoslavia; \*2200 IS, English ID & nx (Ottaway, Sapoznikow, Martin, Bogel,
- 9623 MOZAMBIQUE R. Mozambique; Heard as early as 1300, with portugese programming, which is //7240, 6115, 3210, etc. All excellent level. Pleased with the Mozambique reception here in Western Australia (Willis).
- 9625 CANADA CBC Northern Service; 1630 English "Royal Canadian Air Farce" pgm - moving, sex, dining out, etc. (Fraser 3/11).
- 9630 SPAIN RNE; 2236 Spanish with a musical program (Saaf 3/24).
- 9640 GUAM KTWR (TWR); 1039 English with a religious program (Alm 2/26).
- 9640 KOREA (SOUTH) R. Korea; \*1600 English news, cmntry, address for the Korean Short-wave Listeners Association; P.O. 1637, CPO, Seoul (Conover 3/11). -See 9650kHz (ed)-
- 9645 FINLAND R. Finland; 2300 IS, English ID, News, Letters from listeners (Kenyon 3/12).
- 9645 NORWAY R. Norway; 0200 Cmnty on 150th anniversary of Poet Henry Gibson (Malone). 0500 IS, Norwegian ID, English news and talk about Israel (Bryan).
- 9645 VATICAN STATE Vatican Radio; \*0630-0800\* Latin Mass, and religious features in English, Italian, Spanish & French//6210 (Pickard 3/8).
- 9650nf KOREA (SOUTH) R. Korea; \*1130 English nx & cmntry. Not hrd on 9640 (Zilmer, Lobdell)
- 9655 COLUMBIA R. Nacional; 0102-0250 Spanish talking & classical mx (Yacono, Eastman).
- 9660 VENEZUELA R. Rumbos; 0310 Spanish ID & Latin American Music (Brouillette). 0510 Spanish ID & Venezuelan mx (Bryan). 0938 Spanish ID & music w/male DJ (Clark).
- 9670 AUSTRALIA R. Australia (Shepparton); 1235 English ID, music & freq. (Cucura 3/4).
- 9670 JAPAN R. Japan; 1642 English Identification w/Japanese pop music (Bryan 3/26).
- 9670 PORTUGAL RTE; Vox Fide 0615 French religious speech & latin prayer, IS into English at 0630 (Levesque 3/18). IBRA 2059\* English religious program by a female & ID (Twiggs). AMR \*2100 English & French ID into unidentified lang religious pgm (Twiggs)
- 9675 BRAZIL R. Diario da Manhã; 0046 Portuguese with American rock music (Hancock 3/12).
- 9675 POLAND Polish Radio; 0643 English w/response to questions on cost of arms, also played music from the Beatles! (Pappas 3/12).
- 9680 AUSTRALIA ABC (Melbourne); 0822 English with music & sports news (Alvi 3/25).
- 9685 BELGIUM RTB; \*0015 English with "Belgium this week" program (Ottaway, Malone).
- 9685 CUBA RHC; 0400 English news & cmntry on Underdeveloped countries (Malone 3/28).
- 9685 USSR R. Moscow; 0000 English news, ID's, Moscow Viewpoint (Desrosiers 3/26).
- 9690 USA WYFR; 2220 English with Open Forum program (Swanson 3/29).
- 9695 SWEDEN R. Sweden; \*2300-2330\* English with Sweden Calling DX-ers (Saaf 3/21). 0241 English w/Panorama pgm & SCDX. Said they were on 9745, but on 9695! (Tiers 4/3).
- 9705 INDIA AIR; 1113 IS into unid lang & English w/State & Development nx (Lobdell 3/29)
- 9707 BULGARIA R. Sofia; \*0000-0030 English nx, "War of Liberation" series, etc. (Fraser).
- 9710 ITALY RAI; 1905 Change from Polish programming to Arabic (Brookwell 3/14).
- 9710t MAURITIUS MBC; 0801-0816 lang (sounded like Urdu or Hindi). Male announcers with what seemed to be nx followed by a short portion of Mid-Eastern or Indian type mx with pgm announced as Ababis Hour, followed by tlk. (Godfrey).
- 9710 SOUTH AFRICA Springbok Radio; 1516 English nx w/Pall Mall ads (Plambeck 3/12).
- 9710 USSR MAYAK; 1830 Russian ID, news and easy-listening music (Twiggs 3/8).
- 9715 HOLLAND R. Nederland; 0614 English cmntry on a hypnosis machine (Hancock 3/18). 2130 English with Newsline program (Weinhold 4/1).
- 9715 PHILIPPINES FEBC; 1245-1247\* lang talk with sign/off in English. Poor (Osterman).
- 9720 SRI LANKA SIBC; 1305 English news and cricket scores (Osterman 3/29).
- 9725 SWITZERLAND SBC; \*0145-0215\* English w/Dateline, Going Places program, talk about trading on the common market, etc. (Tomkewich, Martin, Saaf).
- 9720 USSR R. Station Atlantika; 1700 Russian Identification, music & talk (Valko 3/27).
- 9730 GERMANY (EAST) RRI; 2058 Italian Identification & frequencies (Leffler 3/19).
- 9730 UGANDA UBC; 2048-2100\* English talk, ID's, music & National Anthem (Valko 3/27).
- 9740 EGYPT R. Cairo; 0225 Arabic news (Schwayri). 2217 English ID & pgm (Tiers).

- 9740 GREECE VOA (Kavala); 0654 English w/African Safari (Pappas 3/12).
- 9740 MALAYSIA BBC; 1500 English programming with a very good signal (Plambeck 3/12).
- 9745 BRAZIL R. Cultura; 0000 Portuguese talk & local music // 6165 (Zilmer 3/22).
- 9745 CAMEROON R. Yaounde; 0515-0700 English news, ID, religious program, etc. French program at 0600, English at 0610-0620 and back into French. (MacKay, Phillips, Dawson, Hancock). 2240-2302\* French w/African & US pop music (Alexander, Bogel).
- 9745 IRAQ R. Baghdad; 2130-2224\* English w/Anti-Sadat cmntry (Cady, Stroh, Woods, Schwayri).
- 9745 SWEDEN R. Sweden; 0230 English news roundup, Panorama, etc. (Clark, Malone).
- 9750 CHILE R. Minería; 1102 Spanish Identification, commercials, news (Jones 4/7).
- 9750 MALAYSIA R. Malaysia; 1415+ lang talk w/news & ID's (Hardester 3/24, Godfrey).
- 9760 AUSTRALIA R. Australia; 0735-0803 English news, ID & pop music (Tiers, Alvi).
- 9760 GREECE VOG; 0000 Greek news into English 0015 w/nx & cmntry (Klumb, Prath, Cunningham)
- 9760 USSR R. Moscow; 2230 English to Africa. (UHN listed as: Kingisepp) (Field 3/29).
- 9765 BULGARIA R. Sofia; \*0430 English news on Bulgarian industry, etc (Grenier, Klumb).
- 9765 USSR R. Moscow; 0115 English Moscow mailbag (Desrosiers). 0330 EG Moscow Review program (Malone).
- 9770 AUSTRIA ORF; \*0130 English news, Letters from Listeners, Austria calling pgm, etc. (Jones, Saaf, D'Angelo, Tomkewich, Martin).
- 9770 HAITI 4VER; 2530 English news, religious program, music, etc. (Martin 4/5).
- 9770 HOLLAND R. Nederland; 0739 English with Happy Station pgm (Grenier 3/19).
- 9770 MOROCCO VOA; 1913 English news, commentaries and ID (Valko 3/26).
- 9780 ALBANIA R. Peking Relay; 0102 English news (Martin). 0330 English cmntry (Malone).
- 9780 KAZAKH SSR R. Alma Ata; \*2558-0030 Kazakh/Russian w/bells, National Anthems, ID's, news, exercise program w/piano, etc. (Edelstein 3/25).
- 9780 YEMEN ARAB REPUBLIC R. San'a; 1918-2110\* Arabic talk, Koran, Military Marching mx. (Valko, Alm, Baum, Taylor). 0350 Arabic talking with music (Schwayri).
- 9795 USSR R. Moscow; 2052 French transmission with an Identification (Leffler 3/19).
- 9815 ISRAEL IBA; 2044 French news transmission (Leffler 3/19). 2232 English news program with abrupt sign/off - transmitter trouble (Martin 4/4).
- 9825 ENGLAND BBC; 0400 Arabic with readings from the Koran, news & songs (Schwayri 3/9)
- 9835 ISRAEL IBA; 0501 English with news program, weather, review of the Israeli Press. 0530 French news (Pappas 3/13).
- 9840 VIETNAM Voice of Vietnam (Tay Nguyen); 1200 Unidentified language talking by a man // 7512 (Zilmer 3/29).
- 9850 EGYPT R. Cairo; 0530 Arabic w/Arabic mx, clock gongs, ID & News (Bryan 3/21).
- 2042 Arabic with Arabic style music (Leffler 3/19).
- 9912 INDIA AIR; 1634 Persian talks with local Indian music. Good (Alvi). 2208-2220 English talk on Israel and Mid-East (Baum 3/27, Martin 4/5). 2356-0114\* English and an unidentified language w/Asian news, Far East music, identification, coverage of Holland/Pakistan World Cup Championship game (MacLay 4/3, Valko 3/27).
- 9915 ENGLAND BBC; 0330 English with "Network Africa" program (Malone 3/20). 2041 Russian with English by Radio program (Leffler 3/19).
- 9977 KOREA (NORTH) R. Pyongyang; 1101-1352 English with s/on, News, Biography of Kim Il Sung, military music, talk on communism, ID's and Korean music (Alm, Lombardo, Earhart, Lineback, Valko, Tuckwiller, Thompson).
- 10000 ARGENTINA IOL Time Station; 2330 Time pips, Morse Code and Spanish time and identification (Valko 3/27).
- 10040 VIETNAM Voice of Vietnam (Hanoi); 1301-1322 French talking and local Vietnamese music (Hamilton 3/25, Conover 3/25). 1619 English talking, instrumental music "Our Home Village in Spring" (Alm 2/18). 2106 English talk on agriculture production & labor management, ID's (Edelstein 4/3).
- 10060 VIETNAM Voice of Vietnam (Hanoi); 1130 Vietnamese talk by man w/music (Zilmer).
- 10224 VIETNAM Voice of Vietnam (Hanoi); 1130 Vietnamese talking & music // 7417 & 6425 (Zilmer 3/30).
- 11535 KOREA (NORTH) R. Pyongyang; \*1100-1250\* English news, music, slams against the South Korean government (Brown 3/25). 2300 English news, music, praises of Kim Il Sung (Hartsell 3/22).
- 11620 INDIA AIR; 2205 English news, cmntry, ID, etc. (Cunningham 3/26).
- 11630 EGYPT R. Cairo; 2215 Arabic talking & readings from the Koran (Schwayri 3/9).
- 11640 PAKISTAN R. Pakistan; 2000-2015\* French talk, music, s/off (Zilmer, MacKay).
- 11650 CHINA R. Peking; 0042 English talking w/program of Chinese music (Cunningham).
- 11655 ISRAEL IBA; 0512 English news, weather, press review (Desrosiers). 2000 English ID & News (Leffler). 2230+ English News and commentary on Palestinian terror raid and war in Lebanon (Cunningham, McCants, Woltman, Brookwell).
- 11672v PAKISTAN R. Pakistan; 1400 language talk & music (Zilmer). 1612 English nx (Alvi).
- 11690 ARMENIAN SSR R. Yerevan; 0305 Armenian news, ID & Music // 15140 (Roberts 3/22).
- 11700 DOMINICAN REPUBLIC R. Clarin; 2239 Spanish news (Martin). 2300-0000 English "This is Santo Domingo" with Rudy Espinal reading letters, cmntry about Dominican Republic, etc. (Stroh, Martin, Eastman, Gallagher, Valko, Edelstein, Earhart, Clark, Hancock, Klumb).

Until Next Month, 73, *Tom*

# log report section

## 11700 & ABOVE



### DAVID WALCUTT

2828 Rogerdale #108, Houston, TX 77042 (713)-783-8327

- 11705 AUSTRALIA RA; 1158-1530 EG, music etc. (Earhart 4/1, Swanson 3/26).  
11705 CHILE VOC; 0345-0355 EG, some QRM underneath (Earhart 3/10); 0440 FR, sports talk (Baum-FL 3/11); 0530 beginning of EG program, history lesson (Cohen-NJ 3/27).  
11705 USSR R. Rodina; 2002 RS, IS, ID, mx (Leffler 3/19). RSP&P, with IS and into SP at 0130, to S.Am.; could be two xmtrs as P&P IS overlapped s/off at 0130 of Spanish program (Brookwell 3/22).  
11709.7 ARGENTINA RAE; 2300-2350 EG, nx to N.Am. & classical mx (Eastman 3/20); 2320 EG, talk on industrial Argentina (Martin-LA 4/3); 2330 EG, nx, cmntry, mx, strong signal (Tomkewich 3/30); 2325-2335 EG, ID & nx pgm by M&W, Argentine music 'Brouillette 4/3).  
11710 UK VOA-Wofferton; 1503-1520 f/out; EG; nx & cmntry on M.E. and U.S. relations with developing countries (Fraser 3/27).  
11715 ISRAEL IBA; 0510 EG, international nx, wx, press review; //11655 is better (Cohen-NJ 3/23).  
11715 PHILIPPINES VOA-Tinang; 1425 EG, with country mx (Conover 3/25).  
11715 SWITZERLAND SBC; \*0145-0215\* EG to N.Am. (8 reporters); 0215+ SP with "Actualidades"; good (Brouillette 3/26).  
11720 AUSTRALIA RA; 0703 EG, world nx & pop mx (Grenier 3/26); 0800 EG w/ID and news report; //9540, 9570, 11740, 17870, 21570, 21680; 11720 is very strong (Tomkewich 4/1).  
11720 CANADA CBC N.S.; 1638-1700 EG, "Royal Canadian Air Farce" -- this moving to Sundays at 1800 (Saaf 3/25); 1705 EG, music program (Swanson 3/12); 2230 EG, "Cross-Country Checkup" (phone-in pgm); question asked: "Should Canada have a national sports policy?" fair (Marable-ITALY 4/2).  
11730 FRANCE RFI; 0430-0442 FR, mx pgm, no QRM (Earhart 3/12).  
11730 GREECE VOG; 0015 EG, nx, cmnt (Prath 3/16); 0015-0030 EG, into French at 0030 (Eastman 3/15); 0015-0028 EG with ID, freq, nx read by W (Baton 3/24); 0215-0230 EG, nx by W, vocal & accordian mx (Hancock 3/13); 0215 EG, nx by W (Calderwood 3/28); 0219-0226 EG, nx by W, ID at 0220, into 0225 GK (Brouillette 3/26); 0220 EG, world nx, into 0230 Spanish (Leithner 3/20).  
11730 HOLLAND RN-Lopik; \*2030-2120\* EG, "Happy Station" pgm with Tom Meier; it was announced that the station was about to celebrate being on the air for 50 years (Eastman 3/5).  
11730 MADAGASCAR RN; 2030 EG, nx (Swanson 3/13).  
\*11740NF ALGERIA RTVA; 2210-0000 AR, ID and Arabic mx, nx at 2300, fair with lousy modulation, noted from 2100-0300+; covered by VOA at 0000 (Roberts-MAN 3/11); 0240 AR, nx in Arabic, reading from Koran (Suhwayri nd); 0410 unid lang.; tent.; nx, TC, freq & mb info, interviews, W talks on computers (Desrosiers 3/22).  
11740 INDIA AIR; 2046 IS, clobbered by RN-Madagascar (Baum-FL 3/27).  
11755 FINLAND RF; 2048 EG, interview with a train-maker (Tiers 4/3).  
11755 SEYCHELLES FEBA; 0313-0330 Farsi?, rel pgm with hymn "How Great Thou Art" (Hamilton 3/25); 0315 s/on in Swahili; new frequency, and excellent (Willis-AUST, late March).  
11760 CUBA R. Havana; 0048-0052 SP, cmntry continually mentioning "Juventud", nx at 0052 (Cunningham 3/17); 0550-0600 EG, commentary on Cuban art (Hancock 3/12).  
11765 GERMANY W.? DW; 0610-0630\* EG, nx, cmntry; site? (Pickard 3/9).  
11765 PHILIPPINES FEBC; 0900 EG, rel pgm, ID; poor (Lobdell-MA 4/8).  
11775 ANTIGUA BBC W.S.; \*1200 with IS, ID, into "R. Newsreel" (Yacono 4/4).  
11775 AUSTRALIA RA; 1540 EG, talk about inventions (Plambeck 4/2).  
11775 SPAIN REB; 0203-0214 SP, about socio-political subjects, by M&W, Spanish music, ID (Brouillette 3/26).  
11780 BRAZIL RNB; 0300 PT, surprised to hear this running late at 11 AM here; cannot work out the propagation path for this one, but excellent level (Willis-AUST 3/20); 0905 PT, with ID "Radio Nacional de Brasilia", Brazil mx, commercial, songs in EG (Byron 3/19).

- 11785 BRAZIL R. Guaiba; 0300 PT, also heard, tho' fluttery (Willis 3/20).
- 11790 INDONESIA VOI; 1300-1308 FR, ID and talks (Sapoznikow 3/22); 1400-1430 EG, news, ID's (Klumb-CA 3/4); 1405 EG, about Asian countries, ID (Greenes 3/10); 1413 EG, end of nx, ID, program preview, "Take the A-Train", discussion of Peoples' Congress (Pappas 3/4).
- 11800NF AUSTRALIA RA; 1830-1845 EG (Plambeck 3/24); 1830 EG, nx & sports, pop mx & ID; fair (Alvi 3/15); 1830-1847 EG, good until RSA s/on at 1900; NF? (Ravenhorst 4/23). Congrats on the Voyageur QSL! -ed.
- 11805 BRAZIL R. Globo; 0016 PT, soccer, ad; QRM'ed (Alvi 3/14).
- 11810 INDIA AIR; 1400-1500\* EG, nx & interviews, talks, tourist info (Grenier 4/1, Conover 3/18, Klumb 3/18, Jordan 3/8); \*1515-1530\* EG, nx by W, ID, excellent reception (Godfrey 3/15).
- \*11825 LEBANON R. Lebanon; 0120 tune in OC with the occasional test tones, 0130 Lebanese NA into ID by M in French: "Ici Radio Liban emettant de Beyrouth...", other anmts into symphony mx and nx by W at 0133; goes directly into AR at 0200, and no EG has been noted at 0230 as reported by the BBCMS; booming signals (Hywarren-MAN & UMDX 3/24 & 3/25). 0130-0301 FR, EG, AR, opening anthem into FR to Canada & Europe, mx ("Sting"); 0227 Arabic mx & talk; 0252 EG: "This is Beirut Overseas Service", 0301 EG, nx, mx like RFI's IS and into SP; good but QRM and fades as if xmtx trouble (Osterman 3/29); 0200 AR, news about the Israeli invasion of Lebanon and the domestic political situation (Schwayri 3/21). 0204-0250 AR, with ID: "Iza'at el-Loubnan min Beyrouth", into Arabic mx; ID 0429, headlines until 0235; Tahiti beneath at 0230 destroying readability by 0250; no EG noted (Roberts-MAN 3/22). 0210-0303 AR/EG, news by M&W, many mentions of Beirut, Arab pop mx; by 0255 EG news in progress; strong (Mackay 4/1). 0220-0250 AR, nx with ID "Izaat Loubnan min Beirut" and local mx (Sapoznikow 3/22). 0234-0244 EG, "This news comes to you from the English Service of Radio Lebanon" with items on S. Lebanon occupation; signal just tops Tahiti sig. & jamming; exc. (Sarrazin 3/24). \*0234-0301\* EG, ten minutes of news followed by Western classical mx; also has 0130 FR, 0200 AR, 0300 SP (Pickard 3/24). 0240-0305 EG, W with nx into "European disco sound" songs from "Saturday Night Fever" & "Dust in the Wind"; NF; ID: "You are tuned to Beirut, the overseas service of Radio Lebanon." Poor, QRM (Lombardo 3/23).
- 11830 CHINA Voice of the Malayan Revolution; 1200 unid lang, tlk, mx, chorus singing local songs; s/off 1235; //15790 (Zilmer 3/25).
- 11840 ECUADOR? HCJB?; "Voice of Forgiveness" in Arabic 0345-0400, a religious Christian pgm with Beirut P.O. Box (Schwayri 3/29) -Any translation you can give from Arabic would be particularly helpful, especially for the left-wing countries like Libya, Algeria, Iraq -ed.
- 11845 VATICAN VR; 0100-0115 EG, plea for help for Lebanese refugees (Tuckwiller 3/24).
- 11850NF NEW ZEALAND RNZ; 0430-0605 EG, episode 3 of "Alice in Wonderland" (Pickard 3/8); 0430-0500 EG, classical mx pgm; good; //15130 (Ottaway 4/5); 0440 EG with EL mx, nx at 0500 (Bishop 4/3); 0450 EG, pgm preview, local time, "Musical Roundabout" pgm; good; //15130 was poor due to Chile QRM (Lévesque 3/17); 0535 EG, nx, wx; pop mx with interesting items between numbers (Cohen 3/27); 0600-0615 EG, nx, wx, local/regional pgm, feature on income tax (Alm 3/31).
- 11850 NORWAY RN; 0827-0830\* EG, "Listeners Corner" said that RN is organized similar to BBC and that the pgm will be back "later" in the Spring, on Sunday (Osterman 3/26).
- 11850 PHILIPPINES FEBC; 0845-0900 EG, cmntry on the customs of the people of the Philippines (Hancock 3/12); 0925-0940 EG, end Rex Humbard, ID 0930, into news review; fair (Roberts-MAN 3/12).
- 11860 SEYCHELLES FEBA; \*1659 IS, ID, Arabic pgm, strong mx & chants, fair (Osterman 3/20); 1710-1720 AR, rel pgm, ID at 1715; good (Roberts 3/11); 1640 ID & IS; astonishing reception; but then, the Indian Ocean is only one km away from my new home (Willis-AUST).
- 11866a BRAZIL R. Clube de Pernambuco; 0120-0223 PT, ads, jingles; sound effects, romantic vocals (Zilmer 3/18, Howard 3/12, Osterman 3/29).
- 11880NF AUSTRALIA RA; 1200-1500 EG to Papua N.G., 1230 JP; poor; //9580, 0770, and (at 1330) 9670 (McMullen 3/31, Cucura 3/19, Zilmer 3/19).
- 11880 SPAIN REE; 2125-2210 SP, world nx, poor (Jordan 3/12, Bogel 3/23); 0100-0330 EG, Panorama (Woltman 3/28, Torsay 3/18, Gallagher 3/12).
- 11885 URUGUAY SODRE; 2315-2330 EG, nx, tourist info (Klumb-CA 3/11); 0010 EG, ID by W, fqy info, opera mx (Desrosiers 3/14); 0030 EG, cmntry

- by W (Calderwood 3/31); 0042-0100\* EG/SP s/off: pgm in EG on tourism & roads, ID as "CYA10, CXA6" 0052 and into SP (Alm 3/17); 0044-0050 EG, W, armed forces pgm until 0047 (Edelstein 4/4).
- 11890 USSR-Frunze (Kirghiz SSR) RM; \*2200 PT with IS, ID, instrumental mx, news, cmntry with occasional chimes; site per Legge (Gavaras 3/24).
- 11900 SOUTH AFRICA R. RSA; 2025-2230+ FR/EG (5 reporters).
- 11905v IRAQ R. Baghdad; \*0300-0400\* EG (9 reporters). Now try 11925a -ed.
- 11905 ITALY RAI; 0400-0415 EG news with lady commentator (Eastman 3/24).
- 11910 HUNGARY R. Budapest; \*0200-0230\* EG to N.Am., mx, cmntry, "Request Time", mx; good (Fraser 3/25); 0213-0230 EG, abt the CIA in Italy, poetry reading (Hancock 4/2); 0215 EG, cmt by M (Prath 3/8); 0300-0330 EG, mx, songs request by listeners (Schwayri 3/28); 0400-0420 EG, DX program (Matthew 3/24).
- 11915 BRAZIL R. Gaucha; 2340-0030 PT, Brazilian & some US mx, several ID's, at 0030 mixing with HCJB co-channel (Howard-CA 4/1-2).
- 11915 ECUADOR HCJB; 0150-0700 EG to N.Am. (5 reporters).
- 11925RF TAIWAN VOFC; 1820-1900 CH with excited shouting over nasal singing; unlisted BEC M.S. & Taiwan's own sked to Mar. 4 (Brookwell 3/18).
- 11935 PORTUGAL RP; \*0300-0530\* EG to N.Am. (5 reporters).
- 11940 ROMANIA R. Bucharest; 0407-0440 EG, nx & interviews by W on industry in Romania etc., mx (Hancock 3/30, Matthew 3/24).
- 11940 SINGAPORE RS; 1500 EG, stn continues with very good reception here, pleasant young lady DJ, nx I'll see on TV tonight (Poppin-CA 3/30).
- \*11942.7 CAMBODIA R. Phnom Penh; 1145 with M&W talks in lang; measured as 11942.686; good. Wish they would accept reports (Hardester 3/29); 1400 lang, unid-Cambodia?, oriental mx (Conover 3/25); 1443-1500\* Cambodian talks by W, ID at 1457: "Thin Phnom-Penh... Kampuchea", into choral anthem to 1500\*; fair with het (Roberts 3/28).
- 11945 CHINA RP; 0120-0125 EG, political cmntry; poor with QRM from Spain (Cunningham 3/17).
- 11945 LIBERIA ELWA; 0627 EG into AR, IS (Woltman 3/11, Pappas 3/9).
- 11950 BRAZIL R. M.E.C.; 2300 PT, "net" nx (//11805) to 2302, then ID and program of easy-listening music (Bishop 3/10).
- 11950 HOLLAND RN; 2150-2218 EG, "DX jukebox"; RCI QRM (Batson 3/23).
- 11955 ANGOLA R. Nacional; \*0358 s/on in PT w/pedestrian NA, IDs, freqs given; best signal ever from Angola (Gallagher 3/16); 0400 PT, with IS at 0355, then ID, tlk & mx; fair (Zilmer 3/16); 0545-0600 PT, drum mx for long time then into Western mx — something for everyone; electronic IS at 0600 & ID by W; poor (Ottaway 4/4).
- 11955 ISRAEL IBA; 0500 EG, nx, weather, into 0515 FR (Desrosiers 3/22).
- 11955 PHILIPPINES R. Veritas-Asia; 1300-1430 EG, nx, rel cmntry (Klumb 3/13); 1438 EG, nx, ID, W ancr, S.E.As. mx (Greenes 3/9).
- 11960 MALI R. Nat. du Mali; 0801 FR/Vern.; 14 minutes of Malian NA, then ID in FR & vernacular talks; fair/poor (Pappas 4/2).
- 11960 USSR RSP&P; 1330 EG, spotlight on world events (Swanson 3/25).
- 11990 CZECHOSLOVAKIA R? Prague; \*1730 EG with IS, ID, nx (Saaf 3/25).
- 12000 USSR RM; 2030 EG, tlk on visit to Angola by Russian citizen; //12070 (Leffler 3/19); 0517 RS in Moscow HS with usual px, plus some great bellanka and symballa mx with OM vocals. Heard on 12000, 12010, 12020, 12030 -- if conditions permit, tune quickly across all four freqs at once repeating this back & forth between 12000 and 12030. Pretty neat huh? Also noted on 11975, 15110, 15230 and 15255 (Hywarren 3/28). Gee I dunno Aaron, I'm still trying to get my receiver to just fix coffee! -ed.
- 12005 USSR RM; 2030-2050 EG, mx, talk on arms race (Matthew 4/2).
- 12040 USSR RM; 2035 FR, mx w/tx; beamed to Africa (Leffler 3/19).
- 12077 ISRAEL IBA; 2037 Hebrew, Home Service, 2 W w/tx (Leffler 3/19); \*0300 Hebrew, Home Svc. with such things as "Killing me softly" & French EZ mx; ID at s/on, bad flutter; found this from Magne; //11655, 9815, 9435 & others (Lévesque 3/15). Howdy from Texas!
- 12085 KUWAIT RK; 1705-2001\* EG, top 40 requests (7 reporters).
- 15008a VIETNAM VOV; 1515-1800 JP/Vietnamese; 1800+ EG (10 reporters).
- 15060 CHINA R. Peking; \*0000-0300\* EG to N.Am., CH lessons (9 reporters).
- 15084 IRAN NIRT; 1450-0445 FS, local music (5 reporters); 1450-1455 FS/EG with language lesson on MD appointments; medium level (Mackay 3/17).
- 15100 LIBYA PRBS; 1346 AR, mostly Arab music featuring flute-like instrument, drums, etc.; due to this & WYFR on 15110, Finland cannot be heard with any degree of understanding this morn (Earhart 3/19); 4/5). 1537-1555\* AR, celebration, "Libya" chanted; abrupt off (Edelstein 3/28).
- 15104a GUENADA RG; 2030-2125 EG, TCs, ads & W w/request pgm (Cucura 3/25);

- 2036-2105 EG with lady ancr, pop US tunes, "Action Line" program at 2100 (Hamilton-SC 3/25).
- 15105 FINLAND RF; 1300-1400 EG, "Stand Point", interviews (9 reporters).
- 15105 JAPAN RJ; 0210 EG, "Current Topics" (Gen. Svc.) then into JP (Schoop 3/19); 0310 EG on Japan role in Sea Conference (Jones 3/29).
- 15105 MALTA DW; 0106 SP, with IS, ID as xmr Malta (Desrosiers 3/6).
- 15115 PAKISTAN RP; 1115\* EG, nx (D'Angelo 3/24).
- 15120 NIGERIA VON-Lagos; 0626 EG w/selections of Hausa mx, ID, TC for 7:30, //7275 (Pappas 3/7); 0650 EG, talk on mx of Nigeria, ID, "Wish you luck from Lagos Nigeria" (Desrosiers 3/8); 0715-0726 EG, talk by M&W with an African song at 0726, ID, fair (Cunningham 3/26).
- 15120 POLAND Polish Radio; 0140-0212 Polish/EG, "Poland Today" mx, cmtry (Cunningham 3/16); 0310 EG, severe QRM (Saaf 3/16).
- 15120 VATICAN VR; 1615-1657 AR & EG, chanting of Passion in Latin from St. Peter's; ancr'd as bc to M.E. and E.Afr. Special sked for Good Friday? (Bogel-CA 3/24); 1720-1808 EG, with Good Friday services, quick s/off (Plambeck 3/24); 2329 SP by M&W, ID (Desrosiers 3/11).
- 15125 PORTUGAL RP; 0930 PT, barrel organ mx; fair (Lobdell 4/8).
- 15130 CHILE VOC; 0000-0544 EG etc, Chilean customs (9 reporters).
- 15130 NEW ZEALAND RNZ; 0400-0730\* EG, cricket matches (8 reporters).
- 15145 BRAZIL RJC; 0135 PT, fast talk about Brazil (Taylor 4/9).
- 15145 GERMANY E. RBI; 1800 EG, s/on African Svc.: pgm preview, nx, cmtry, Middle East war history, "Africa in Focus" (Marable-ITALY 4/1).
- \*15160NF ALGERIA RTVA; 0215 AR, noted with Holy Koran prayers, M ancr, //11740; both with good signals (Hywarren nd).
- 15160 AUSTRALIA RA; 0624 EG, pop mx/news (Tiers 4/3); 0503 FR, male DJ, French rock music (Bryan-CA 3/19).
- 15160 HUNGARY RB; 1200 EG, nx; fair (Zilmer 3/17).
- 15160 MEXICO XEW(W)/La Voz de la America Latina; 2240-2330 SP, coverage of bull fights from Plaza de Mexico, sound of crowd & many mentions of "Toro" (Howard-CA 4/1); 0020 SP, coverage of sports event (Alexander 4/2); 0027-0044 SP, L.Am. mx, ID at 0028, ads (Cunningham 3/21); 0145 SP, Mexican pops, ID & TC noted at 0148; fair (Hywarren nd).
- 15167 BRAZIL Ceara R. Clube; 0035-0045 PT, Brazilian pops, ID & TC, anmts, ads -- weak but clear, some QRM (Roberts-MAN 4/2).
- 15170 SOCIETY ISLANDS R. Tahiti; 1749 FR, pop mx (Bryan 3/19); 0130-0730\* TT/FR, island & rock mx, NA at s/off (9 reporters).
- 15170 USSR RM; 0000 EG, world news (Kenyon 3/13).
- 15175 NORWAY RN; 1600 EG, news about Norway (Calderwood 4/9).
- 15180 UK BBC; 1430 AR, BBC Arabic Svc., songs in AR (Schwayri 3/11).
- 15190 CONGO RTVC; 2000-2130 unid lang/FR, drum mx & vocals (Cucura 3/27, Greenes 3/15); 2130-2140 EG, national nx, "This news is coming to you from the voice of the Congolize revolution" (Birkhaeuser 3/27); 2138-2200 FR, drum music and interview (Ponder 3/18); 2145-2230 FR, lots of drums & chants (Hamilton 3/25); 2210-2225 EG, on teaching techniques in the Congo; ID: "R. Brazzaville, the voice of the Congolize revolution" (R. Brazzaville certainly brings backs memories, from 1961 when it was French-owned! -ed.) (Lombardo 3/30); 0010 FR, M&W, Afro mx (Kenyon 3/13).
- 15220 CHINA? 2300-0200 CH, heard several days, no IDs heard; uninterrupted opera-like music with narration; //15236, 17836 (Mackay 3/20+); 0220-0238 CH?, strong, //15235, apparently with a theatrical work (Cunningham 3/21); 0321 Dom. Svc., see //15235 (Brookwell 4/1).
- 15235 CHINA (assumed) Domestic Svc.; 2340 CH, nasal songs, laughter & general confusion; familiar format; heard 1600+ (Brookwell 4/1).
- 15265 BRAZIL R. Excelsior; 2300 PT, mx, ads, jingles, ID at 2326 wrongly listing as only 19 mb Brazilian station; fair (Zilmer 3/27).
- 15270 SEYHELLES FEBA; 0205\* FR/EG, IS & ID then off (Cunningham 3/21).
- 15290 ARGENTINA R. El Mundo; 0120-0130\* SP, fast talk, lots of ads or promos, 2 or 3 ancrs, "Noticias" at 0125; weak (Mackay 3/12).
- \*15305 SWITZERLAND SBC; 1400 GM, interview, tlk on research, mx; 33232 (Torsay 3/18); 1915 GM, Swiss stockmarket & financial report; good (Torsay 3/6); 2100-2130 EG, "Talkback", "Dateline" (Weinhold 4/1, Tuckwiler 3/28, Desrosiers 3/6); 2305-2333 PT/GM, new for Switzerland this time period; Brazilian mx with heavy bass in the orchestra (Earhart 4/1); 0130-0213 EG/SP (Malone 3/25, Hauser 4/10, Torsay 3/6, Desrosiers 3/6); 0715 EG with "Swiss SW Merry-go-round" (Alvi 3/25); 0724 EG, "Men & Women of Merit" with discussion of cabaret war heroine (Pappas 3/12). Look for SSB 1315 on 17740 & 0145 on 11780.
- 15307.7 GUINEA R. Nationale; 1740-1753 FR, singing w/o instru. (Bogel 3/22).

- 15320 AUSTRIA ORF; 1230-1255\* EG to N.Am. (6 reporters). Moved again? -ed.
- 15325 PAKISTAN RF; 0200-0245 IN with nx in EG at 0240; Pakistani mx (Howard-CA 3/27, Roberts-MAN 3/26, Pickard-IL 3/29, Cunningham 3/22, Utter-NY 4/ ); \*0300-0345\* EG/SH? to East & Southern Africa; EG nx 0339-0344; very poor; //17830, 21590 (Mackay 3/12).
- 15333.8 COLOMBIA R. Nacional; 0032-420 SP, classical mx (6 reporters).
- 15345 NORWAY RN; 1500-1630 NO/EG, Norwegian news (7 reporters).
- 15360 FRANCE RFI; 1700-1800 EG, "Paris Calling Africa", on this freq as well as: 15425, 17850, 17800, 17720, 21620, 21580 (Limann-VENEZUELA).
- 15360 MOROCCO RTVM; 1515 AR, W singing (Valko 3/27). Any ID heard? -ed.
- 15365 AFGHANISTAN RA; 1124 EG, M.E./subcont mx, IS, nx (Bishop 3/22).
- 15380 NEW ZEALAND RNZ; 0230-0300 EG with BBC pgm (Brown 3/27).
- 15385 MEXICO RM; 0030-0300 SP, variety of mx (6 reporters).
- 15400 VENEZUELA R. Nacional; 2212-2358 EG/SP, tourist info (6 reporters).
- 15425 SRI LANKA SLBC; 0053-0346 EG, gospel & other pgms (14 reporters).
- 15425 TAIWAN VOFC; 0111 EG, Taiwan hijacking, cultural review (Tiers 3/12)
- 15430 SWITZERLAND SBC; 1530-1554 EG, usual pgm of nx & Swiss mx (E. Hoffmann 3/20, Cunningham 3/25, Grenier 3/26, Batson 3/18).
- 15520 PAKISTAN RF; 1345-1415 Urdu, mx & vocals (Thompson 3/11); 1400-1500 unid lang, lcl mx & cmtry, time pips (Ottaway 3/12).
- 15521 BANGLADESH RB; 1230-1300\* EG, nx, pop mx, local mx, political speech, address (Zilmer 3/25, R.Smith 3/12, Conover 3/25).
- 15790 CHINA V. of the Malayan Revolution; 1200 lang, //11830 (Zilmer 3/25).
- 16190 USSR RM feeder; 0120 EG w/ment USA DXer Jim Young (Hardester 4/2); 0520-0530 EG, "Moscow Review" w/medical report (Hart 4/8).
- 17725 AUSTRALIA RA; 0230-0345 EG, mx & talks, QRM R. Japan & R. Moscow; //17870, 17195 (Limann-VENEZUELA, Saaf 3/24).
- 17745 SWAZILAND TWR; 1929 Vernacular/FR, rel song, ID in FR, IS; fair (Osterman 3/12); 1930-2015\* FR, ID at 1930, rel talk, songs; ID & s/off (Cunningham 3/19).
- 17775 FRANCE RFI; 1648 FR, w-m-tlk (Bryan-CA 3/19).
- 17795 AUSTRALIA RA; 0210-0440 EG to N.Am. (5 reporters).
- 17795NF ECUADOR HCJB; 1915 EG to Europe, ex-17890 (Hauser 3/25).
- 17795 ITALY RAI; 0350 IS, chirps QRMing R. Australia; it takes some getting used to Europe being a QRM problem at this hour on this band! (Hauser 4/9); 0355-0410, under R. Australia (Saar 3/25).
- 17800 CHILE VOC; 1235-1300 EG (Earhart 4/3, Zilmer 3/12).
- 17810 PHILIPPINES FEBC; 2308-0444 EG, rel pgm (7 reporters).
- 17825 JAPAN R. Japan; 0130-0230 EG to N.Am. (7 reporters).
- 17830 PAKISTAN RF; 0200-0350 EG/SH, dictation speed nx, chants and vocals (Martin-LA 4/6, Mackay 3/12, Thompson 3/26).
- 17870 AUSTRALIA RA; 0141-0605 EG to S.E.As., //17795 (8 reporters); \*1800 EG pgm on upper side band to England, //11800, 9580 (Hardester 3/23).
- 17870 FINLAND RF; 1430-1600 EG (Limann 3/23, Cohen 4/1, Zilmer 3/24).
- 18150.0 USSR RGSSB 2350 w/mx, Far East site presumably, RS (Hauser 3/28).
- 21492a USSR RSP&P; 1335 EG, off-freq from 21490, het 21495 (Hauser 3/25).
- 21535 SOUTH AFRICA R. RSA; 1030-1548 EG, usual productions (7 reporters).
- 21555 ITALY RAI; 1703 IT to Africa, not on sked 21690 (Hauser-TN 3/26).
- 21580 FRANCE RFI; 1252-1750 FR & EG at 1700+ (11 reporters).
- 21620 FRANCE RFI; 1437-1755 FR/EG, news items, "Paris Calling Africa" (Leffler 3/19, Torsay 3/19, Jordan 3/26, Thompson 3/22).
- 21650NF SWEDEN RS; 1200 SW to S.As., //21690 & replaces 17770 (Zilmer 3/24).
- 21680NF AUSTRALIA RA; \*0000-0404 EG (to N.Am.?), //other freqs (Utter-NY 3/21, Mackay 3/12, Limann 3/7, Earhart 3/23, Eastman 3/27, Hauser 3/28).
- 23420ah ARGENTINA RAE; 2100 GM/FR/EG, anyone unable to hear RAE's xmsn 22). to Eur. on 11710 should try the second harmonic; frequently the signal is better. 2100 GM, 2200 FR, 2300 EG (Utter-NY 3/20).
- 23530h BRAZIL R. Tupi; 2335 PT, sports play-by-play, //11765, 11780 etc.; choppy signal on this 2nd harmonic (Hauser 3/22+).
- 24680h ENGLAND BBC; 1820 Slovene, 4 x 6170, 1829 BBC ID (Hauser 3/25).
- 24773 FRANCE? RFI; 1809 FR, on SSB v. strong with news, //17720 but trailing it by a split second -- relay from another site? (Hauser 3/26).
- 25285h ALBANIA 1400 Albanian, mx, ment Shkoder; SIO 243, not bad for a 5th harmonic, 5 x 5057; not audible on 4th (Hauser 3/26).
- 25605 ISRAEL 1550-1600 Yiddish, mx & headlines; weak (Sapoznikow 3/11).
- 26755 UNID 1907-1932, all L.Am. instrumental MOR mx, no amnts, xmtr goes off completely (for less than a second) between songs. Very weak, any ideas? (Brouillette 3/24). Almost sounds like an SCA on FM -ed.
- 30870h FRANCE RFI; 1600 FR, fantastic signal, ID as the FR svc. to C&E Europe; 2 x 15435 (barely audible); off around 1754 (Hauser 4/9).



Greg Ravenhorst

# FRENDX CREDITS

Hollandale, MN. 56045

Thanks go out to the 99 reporters this month! One short of the Century mark!

Brian ALEXANDER, Mechanicsburg, PA (DX-160)...Ralph ALM, Kamloops, BC, Canada (SX-190/RF/2200)...Jamil ALVI, Saskatoon, Sask, Canada (DX-160)...Robert BATSON, Kansas City, KS (SSR-1)...Ricky BAUM, Gainesville, FL (ICF-5900W)...Dean BIRKHAUSER, Wilbraham, MA (DX-160)...Gerry BISHOP, Christiana, PA (DX-160)...Bill BOGEL, Santa Barbara, CA (FRG7)...Michael BOLITHO, Toronto, Ont, Canada (R390A/AGS-38)...Larry BROOKWELL, San Diego, CA (SPR4)...Paul BROUILLETTE, Sault Ste. Marie, MI (DX-160)...Greg BROWN, Lansing, MI (DX-160) Josephine BRYAN, Stockton, CA (FRG7)...Arthur BURKE Jr, Leesburg, FL (SPR4). Leslie BYRON, Laurelton, NY (Patrolman 9)...George CADY, Chicago, IL... Michael CALDERWOOD, Denver, CO (DX-40)...Gerald CLARK, Lafayette, IN (DX-160) Tony CLIFT, Campbellville, Ont, Canada (PYE-1101)...Jon COHEN (one of our publisher's inkspreaders!)Willingboro, NJ (FRG7)...Jack CONOVER, Lenexa, KS SPR4/XCR-30)...Vladimir CUCURA Jr, Reading, PA (FRG7)...Larry CUNNINGHAM, Columbus, OH (DX-160)...David D'ANGELO, Broomall, PA (R-392)...G. Don DAWSON, Sherwood Park, Alta, Canada (FRG7)...Roland DESROSIERS, Chicopee, MA (R-388/51J3/Allied 2660)...Kenneth EARHART, Allentown, PA (FRG7)...Gene EASTMAN, Huntsville, TX (FR-2200)...Larry EDELSTEIN, Centereach, NY (SPR4)...Marlin FIELD, Hillsdale, MI (SPR4)...Robert FRASER, Cohasset, MA (XCR-30)...Dan GALLAGHER, Denton, TX (DX-160/JVC-9437)...Tom GAVARAS, Wayzata, MN (HQ-180) (oh, yes, Tom does claim to be an editor, hi hi!)Mark GODFREY, Broomfield, CO (QR-666)...David GREENES, Lynnfield, MA (FRG7)...Pete GRENIER, Azusa, CA (FRG7/RF-2200)...John HANCOCK, Jr, La Mesa, CA (DX-160)...Jay HAMILTON, Rock Hill, SC (RF-4800/DX-160)...Mike HARDESTER, Okinawa, Japan (SPR4/FRG7)... Irwin HART, Grass Valley, CA (FRG7)...Harry HARTSELL, Lompoc, CA (FRG7)... Dan HENDERSON, Laurel, MD (R-390A/SPR4)...Emmett HOFFMANN, St. Louis, MO (51S-1/R-1530)...Ron HOWARD, Santa Barbara, CA (SB-310)...Aaron HYWARREN, Winnipeg, Man, Canada (AR2A/ICF-5900W)...Jack JONES, Jackson, MS (DX-160)... Rufus JORDAN, Pittsburgh, PA (Zenith Transoceanic)...Don DENYON, Butler, PA (FRG7)...Kelly KLUMB, Berkeley, CA...Irving LEFFLER, Brooklyn, NY (SPR4)... Chris LEITHNER, Brentwood, TN (GE 7-2971)...Diane LEVESQUE, Carbondale, IL (XCR-30)...Editor Jerry LINEBACK, St. Joseph, IL (SPR4/RF-2800)...Chris LOBDELL, Malden, MA (HQ-180AX/FRG7)...Paul LOMBARDO, Newark, DE (ICF-5900W). Don MACKAY, Newark, DE (SPR4)...Richard MALONE, Springfield, MA (DX-160)... Ivery MARABLE, USAF, Italy...Bob MARTIN, Franklinton, LA (FRG7)...James MATTHEW, St. Johnsbury, VT (FRG7)...Don McCANTS, Tuscaloosa, AL (DX-160)... Bill McMULLEN, Ann Arbor, MI (DR-22)...John ONKEN, Metamora, IL...Sydney OSTERMAN, Toronto, Ont, Canada (FRG7/SPR4)...Robert OTTAWAY, Denver, CO(FRG7 Nick PAPPAS, Levittown, PA (SPR4)...Bill PHILLIPS, Brewer, ME (XCR-30)... Wilder PICKARD II, Evanston, IL (FRG7)...Loren PLAMBECK, Cloquet (SPR4)... Stephen PONDER, Fort Worth, TX (GC-1A/Allied 2682)...George POPPIN, San Francisco, CA (FRG7/CRF-5090)...John PRATH, Ft. Lauderdale, FL (FRG7/DX-160) Editor Greg RAVENHORST, Hollandale, MN (a suburb of Clarks Grove) (R4C/DX160) Jim ROBERTS, Winnipeg, Man, Canada (Eddystone 940/FRG7)...Lenny SAAF, Godfrey IL (ICF-5900W)...Garry SAPOZNIKOW, Winnipeg, Man, Canada (FRG7/ICF-5900W)... David SARRAZIN, Denver, CO (NC-183D)...Charles SCHOOP, Greensboro, NC (FRG7) Ali N. SCHWAYRI, New York, NY (FRG7/FR-101 Digital)...Robert SMITH, Urbana, IL (FRG7)...Ed STROH, Riverdale, IL (SPR4)...Richard SWANSON, Wellman, IA (DX-160)...Leon TANNENWALD, New York, NY (SPR4)...Charles TAYLOR, Indian-apolis, IN...Mitchell TAYLOR, Riverdale, GA (DX-160)...Glenn THOMPSON, Dewing NM (FRG7)...Mike TIERS, W. Vancouver, BC, Canada (DX-160)...Michael TOMKEMICH Winnipeg, Man, Canada (DX-160)...Eugene TORSAY, Pompano Beach, FL(FRG7/DX160) Bill TUCKWILLER, Lewisburg, WV (RF-4800)...Dave TWIGGS, Bristol, CT (DX-160) Richard UTTER, Rochester, NY (SPR4/FRG7)...Dave VALKO, Dunlo, PA (DX-160)... Perry WEINHOLD, Terre Hill, PA (FRG7/ICF-5900W)...Mike WILLIS, Nedlands, WA Australia (Trio 9R59DE)...Frank WOLTMAN, Cambridge, WI (FRG7/DX-160)...Robert WOODS, Front Royal, VA (DX-160)...Dominick YACONO, Brooklyn, NY (Zenith Trans oceanic)...Robert ZILMER, Milwaukee, WI (SPR4/R390A).....

There was a DXer from Maine, who heard signals exceedingly plain.

Said "Tristan's no problem, if I want to hear 'em,

I just fly there quick in my plane"!

I know it's not great stuff, but please limit the nasty letters to one per family!!! Heck, I've gotta have something to fill this space! 73's, *Greg*

# PUBLISHER'S PAGE



DX TRAVAGANZA II: Being planned for Saturday May 27, 1978 at the Serramonte Branch of the Daly City Public Library, 40 Wembley Drive, Daly City, CA. An exciting program is planned. Advance information is available for a SASE to Richard Segalas, P.O. Box 26254, San Francisco, CA 94126.

\*\*\*\*\*  
EAST COAST DXERS: If you can't get to the WCNA DXTRAVAGANZA, do something nice for yourselves instead....send an SASE or a few 13¢ stamps to the EAST COAST DX ALLIANCE, 3113 Waterford Drive, Cinnaminson, NJ 08077 and ask for a copy of the monthly newsletter. This booklet has been constantly improving since it was started by Bob Pinchuk and Chuck Young last year. The editorial staff and membership list contain the names of some pretty sharp DXers and ECDX will be happy to have you join in supplying DX/SWL info. There is no membership fee, just return postage. You can't beat that. I'm not quite certain where the "East Coast" ends, though. The Mississippi River? Rocky Mountains? Pacific Ocean? Hawaii? I believe the Alliance is looking for members from all areas, although it is presently "East Coast oriented".

\*\*\*\*\*  
Anyone interested in DXing transmissions from the Soviet Union should have a subscription to UHN, a four-page monthly newsletter edited by Roger Legge. This publication featured the times, frequencies and sites of Soviet broadcasts and is invaluable to any DXer trying to locate and verify the various Soviet transmitter sites. Price is only \$3.00 for 12 issues. Please write to Roger Legge, Box 232, McLean, VA 22101.

\*\*\*\*\*  
NASWA member Harry Helms will have four original articles dealing with DXing in the 1978 "Communications Handbook". Two of them, one dealing with African SWBC stations and another on how to identify and report Spanish-speaking stations, may be of interest to NASWA members. The other two articles are concerned with selecting a shortwave receiver and government utilities.

\*\*\*\*\*  
HELPING HAND: Edward Pyatt, Apt. 202-West, 1200 Columbia Ave., Philadelphia, PA 19122 would like to hear from persons who have used a military surplus R-1051 as to its performance and capabilities.

HELPING HAND: NASWA member Rev. Evander Parnell, P.O. Box 1546, Lumberton, NC 28358 would like to have the names and addresses of any NASWA member located in the southeastern North Carolina area. He would appreciate hearing from our members in that area.

HELPING HAND: For sale. FRG-7 only nine months old and in excellent condition. \$240.00 plus shipping. Also, Dymek DA100 antenna \$100.00 plus shipping. Both for \$300.00. Contact Bob Beebe, 120 S. 36th St., #6, Omaha, NE 68131 or call 402/345-6115.

HELPING HAND: For sale. 3" x 5" printed log cards. A neat and convenient way for record keeping. 100 cards 2.00 plus .75¢ postage. Send SASE for sample. Contact Medina Rubber Stamp Service, 109 E. Lafayette Rd., Medina OH 44256.

HELPING HAND: Wanted. Gilfer C-10 calibrator in mint condition. Send description of unit condition and price to Bob Jacobson, P.O.Box 1617, South Lake Tahoe, CA 95705.

Is the address on your FRENDX correct? I'm trying to bring the address cards up to date and I'd appreciate your notifying me of any errors. Canadian members: If your address does not show a Postal Code number, please send the information to the publisher. Thanks.

*Bill*

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UPDATE: Besides FRENDX, NASWA also publishes UPDATE... a midmonth newsletter with the very latest DX news while it's still news. (UPDATE also appears in each issue of FRENDX). It is only available to NASWA members.

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