
ELWA, P.O. Box 192, Monrovia, Liberia

Located in West Africa about 10 degrees north of the equator, ELWA, the radio voice of the Sudan Interior Mission, broadcasts in 40 languages to Africa and the Middle East.



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MARCH - 1977

P.O. Box 13
Liberty IN 47353

North American SW Association



WELCOME TO 79 NEW NASWA MEMBERS DURING FEBRUARY

- | | |
|--|--|
| ALI, Shaffideen Z., Hopkinsville, KY | JULIAN, Jerrel H., Lubbock, TX |
| AMES, David L., Winchendon, MA | KARPAVICH, Kurt, Waterbury, CT |
| ANDERSON, Erik, Great Falls, MT | KASDAY, Morton H., Palisades Park, NJ |
| BANATTE, Jean-Marie, Tallahassee, FL | KEAN, Milton H., Ft. Payne, AL |
| BARES, Gregg, Oakville, CT | LALLY, Joseph E., Crystal Lake, IL |
| BENEDEK, William J., Sarnia, Ont. | LANGVIN, Mike, Sarnia, Ont. |
| BERGER, Alvin B., Omaha, NE | LANGLEY, R.L., Crosby, TX |
| BROWN, Robert G., Sr., Florence, AL | LEICHMAN, Richard C., Hamilton, OH |
| CACH, John A., Montreal, Que. | LUDWIG, John P., Harper's Ferry, WV |
| CANNON, Albert E., Jr., Wilmington, NC | MARTIN, Joseph B., No. Chicago, IL |
| CHAVEZ, Paul M., Albuquerque, NM | MARTIN, S.J., Carmel, IN |
| COLACARRO, Michael J., E.Hampton, MA | MEINHARDT, Dan, Cincinnati, OH |
| COLLO, Martin, Rutledge, PA | MELBERG, David, Buffalo Lake, MN |
| CONTI, Daniel, Port Washington, NY | MOROZ, E.Jack, Anahiem, CA |
| CORWIN, Steve J., Milwaukee, WI | NEWCOMBE, Mark & Roy, Arlington, MA |
| CRAIG, R.F. & Family, Danvers, MA | NORMAN, R.P., Don Mills, Ont. |
| DANIELS, Michael, Webster Groves, MO | PARKEY, Bill, Napierville, IL |
| DELK, Steve, Camden, SC | PARNELL, Rev. Evander, Lumberton, NC |
| DAVIS, Wayne A., Kansas City, KS | PICKARD, Wilder A. II, Evanston, IL |
| DETMANN, David B., Santa Fe, NM | POOLE, Greg, Austell, GA |
| DUDDY, R.C., Rushville, IN | POTTER, Martin H., Limoges, Ont. |
| EBY, Thomas A., Corvallis, OR | POULOS, Milton, Chicago, IL |
| EDDIE, Richard T., St. Louis, MO | RICH, John C. II, Columbia, SC |
| ELLIOTT, James A., Carmel, IN | ROSS, Harry H., Winter, WI |
| FEWEL, Robert A., Bartlesville, OK | SCHWARTZ, Joseph, Flushing, NY |
| GABRIEL, William J., Parma, OH | SHERMAN, Clayton B., Hoosick Falls, NY |
| GAINES, David, Stamford, CT | SWANSON, Lester A., Elmhurst, IL |
| GARCIA, John, Osoyoos, B.C. | THOMPSON, John F., Madison, WI |
| GERBERDING, Steve, Elgin, IL | THOMPSON, J. Robert, Alexandria, VA |
| GLEASON, Robert A., Johnstown, PA | TILBURY, Ed., Anchorage, Alaska |
| GRABER, Fred, Brooklyn, NY | TURNER, Richard W., N. Dartmouth, MA |
| HAMILTON, Jay, Rock Hill, SC | VOJTEK, Tom, Port Vue, PA |
| HAMMOND, Keith B., Denver, CO | WARREN, Robert P., Hackensack, NJ |
| HANCOCK, John A., Jr., La Mesa, CA | WEBER, Jonathan, Marietta, GA |
| HEAL, Keith L., Porterville, CA | WHITE, Mr. & Mrs. D.L., Denver, CO |
| HENSLEY, Carson L., Elkton, VA | WHITE, Jeffery R., Schaumburg, IL |
| HUMESTON, Richard L., Boone, IA | WHITEHEAD, James T., Hixon, TN |
| JAMES, William, Nashua, NH | WILLIAMS, Timmy, Harrisburg, Ark. |
| JENNINGS, Harry, Soda Springs, ID | WOODS, John J., Jr., Richmond, VA |
| | YOUNG, Howard S., Kingsport, TN |

NASWA

A REPORT FROM
HEADQUARTERS

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

LISTENER'S NOTEBOOK: Disregard the notice in the February FRENDX concerning a possible change in LN editor. Glenn Hauser will continue as editor, so all material should be sent directly to him at WUOT, Univ. of Tenn, 232 C&E Building, Knoxville, TN 37916.

1977 WRTH NOW AVAILABLE: Late word from Perry Ferrell of Gilfer Associates, Inc., P.O. Box 239, Park Ridge, NJ 07656 advises that the air freight shipment from London was received on February 17, 1977 and all advance orders for NASWA members have been mailed, so by the time this appears in print, most who ordered through NASWA will have received their copy.

COMMEMORATIVE QSL BEING OFFERED: On the occasion of the Australian Radio DX Club's 4th national convention to be held in Melbourne, Australia from April 9-11, 1977, a special commemorative QSL card will be issued for all reception reports of the DXERS CALLING program broadcast over Radio Australia that week end.

Correct reception reports are ask for programs for April 9, 1977 at 2040 and April 10, 1977 at 0240, 0840 and 1440, all GMT. All reports for this special DXERS CALLING verification should be sent to DXERS CALLING, Radio Australia, Box 428G, GPO, Melbourne, Australia.


SPANISH COURSE FOR DXERS: The University of Manitoba DX-SWL Club (UMDX) offers a 50 minute tape with an accompanying set of printed notes and work sheets to provide an introduction to the basics of the Spanish language for the listener who wishes to intelligently monitor Latin American radio stations.

This is available as a reel-to-reel tape at 3-3/4" or 7 1/2" IPS at \$4.00 via parcel post or \$5.00 airmail. A 60 minute cassette version is also available at \$4.00 via first class airmail. Order by money order only, and in Canadian funds only from: Spanish Tape, UMDX Club, Box 131, University Centre, University of Manitoba, Winnipeg, Manitoba, Canada R3T 2N2. For additional information and order blank, send SASE.

FOREIGN LANGUAGE RECEPTION REPORT GUIDES: HQ has been out of the Spanish, Portuguese and French language reception report guides for a while, but a new supply has been printed. We believe we have sent copies to all who had ordered these earlier, but anyone who may have sent stamped envelopes for them and have not received them by now, please drop us a card.

1977 ANARC CONVENTION: Advance indications are that the 1977 Association of North American Radio Clubs (ANARC) convention will be sponsored by the Woodfield International DX Club in Schaumburg, Illinois in mid July. Watch for additional announcements in future bulletins.

NEW HAP DIRECTORS AND ADDRESSES: As of January, 1977, Wayne A. Davis, 27 Cleveland Avenue, Trenton, NJ 08601 is director of HAP-U.S.A. replacing Ted F. Poling and Bill Dulmage, RR #3, Colborne, Ontario, Canada K0K 1S0 replaced Harold Sellers as CHAP-Canada. All correspondence, orders and requests for data should be addressed as listed and with a SASE if a reply is expected.


M. R. Leonhardt
Executive Director - NASWA

HELPING HAND: For sale: SX-190 receiver with speaker. Mint condition. \$150.00, you pay postage and insurance. Contact Solomon Wilson, 8048 Rodney Street, Philadelphia, PA 19150. Phone 215/CA4-5382

HELPING HAND: For sale. R-390A, \$425.00; R390, \$375.00. Both complete with manuals. No shipping but will deliver anywhere within 100 mile of San Francisco. Contact Bob Hill, 139A Fifth Avenue, San Francisco, CA 94118 or call 415/752-4164 (home) or 982-4640 (work).

shortwave

CENTER

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

MARCH 1977

INTERVAL SIGNAL CATALOG

by Roger Thayer, Chevy Chase, MD

The catalog list below was developed for those who may hear shortwave musical identifiers or interval signals (IS) for the first time (or for those who have forgotten an IS identity) and wish to know the station quickly without waiting for a voice announcement. It also may be helpful for maintaining a documented tape library of ISs so that duplicates are avoided. After gaining some facility with the system, you will find it beats leafing through a list of melodies written in musical score such as published in World Radio and TV Handbook or listening to taped sequences of ISs to identify to what station you are tuned. If you can't match tunes by either singing or whistling, you may have to practice; but for most ISs it won't take long to match with the catalog, or at least narrow down the possibilities.

The idea is to use a sequence of numbers to represent the first notes of the melody. This is like the old *doe, ray, mee* scale we learned in school, but by using digits 1, 2, 3, . . . 8 for the scale we can easily list tunes in numerical order. The only problem is to get the key note and call it one (1). To do this I sing, hum, whistle, or think through the melody until I come to the key note (*doe*), the key in which the music is written. It is often the first or last note in a line. ISs are usually only parts of a line of music and sometimes you must fill in to get the key. With a little practice you can do this without knowing the tune or even singing it all the way through. Just sing up or down the scale which matches the notes in the melody. Once you feel the key note, sing or think of it as one, then sing up the scale, each note at a time (1, 2, 3, etc.). Now go back to the IS, hopefully still being repeated on the broadcast or tape, and sing it with the appropriate number for each note. The first few numbers are the catalog entry. You may have to repeat the process as a check.

Let's try some easy ones for starters. *VoA's Yankee Doodle* IS on a *doe, ray, mee* scale is *doe, doe, ray, mee*. This translates to a catalog number of 1123 and the list below shows it as U.S.A. For the *BBC* it is even easier, at least for a musician (I must admit that is another of my hobbies); *BBC's* IS is merely those three notes as they would be played on the piano (key of C). Thus the C is a one (or 8, an octave above) and the catalog listing is 778. Sometimes I use a 9 instead of a 2 if the IS tune goes up the scale from 7 or 8, but I never begin a listing with 8 or 9. A third example is *Deutsche Welle*. Their IS is taken from *Fidelio*, also in the key of C, but the key note is not contained in the IS. So you sing or whistle it and let your pitch go on down the scale one note at a time to reach the key. Then, calling it one, sing back up the scale (1, 2, 3 . . .) to the first note of the IS which is 5. The whole catalog number would be 5535425655 but, even with the several hundred items presently listed, there are no ambiguities in using only the first four or five notes. This IS is listed as 5535, Germany, F.R.

It's not really as complicated as it sounds. Practice with a few ISs that you know or have recorded. If you are really turned on by the idea, you might try adding new ones to the catalog. The list below is a basic start from those published in *WRTH*. I intend to add others from tapes and your help. Please send items from your list to add to mine. My address is Roger E. Thayer, 4621 Chevy Chase Blvd., Chevy Chase, MD 20015. For the other musicians, you might try transcribing catalog numbers from published IS scores. If you find any errors in the list below, please let me know. You might be interested to look up a couple of books in the library which I found after developing this system. Harold Barlow and Samuel Morgenstern published in 1948 and 1950 two huge Dictionaries of (instrumental and vocal) Musical Themes using a more accurate system in standard musical notation to catalog over 20,000 tunes.

(Editors Note: The catalog list of IS tunes on the following page contains some IS tunes used on medium wave or FM services of some of the countries and not all of these tunes will be heard on shortwave broadcasts.)

| IS Code No. | Country | IS Code No. | Country |
|-------------|---------------------------------|-------------|-----------------------------|
| 11112 | Zaire | 3545 | Indonesia |
| 11116 | Jamaica | 3551 | Canada |
| 1112 | Sweden (Home 2nd) | 3613 | USSR |
| 1113 | Norway (Home) | 3632 | Hungary (Foreign) |
| 1123 | USA-VoA | 4414 | Austria |
| 1131 | Japan | 4444 | South Africa |
| 1133 | China | 4445 | Spain |
| 1176 | Guinea | 451 | Sender Freies, Berlin |
| 1231 | Jordan | 4544 | Iceland |
| 1232 | Syria | 4656 | Denmark |
| 12333 | Poland (Foreign) | 51112 | Germany, FR |
| 1234 | Kuwait | 51113 | Martinique |
| 1251 | Switzerland | 51122 | Switzerland (Second) |
| 12523 | Norway (Foreign) | 51123 | Holland |
| 13243 | Sweden (Home 1st) | 51131 | Bonaire |
| 13333 | Germany, FR (Saarlandischer) | 51133 | Germany, FR |
| 13431 | Denmark I | 5115 | Bulgaria |
| 13458 | France | 5122 | Romania |
| 134554 | USSR | 51232 | Malawi |
| 134555 | Ireland | 51234 | Monaco |
| 13455533 | Austria (Short- wave) | 51235 | USSR |
| 1351 | Sweden | 5131 | Hong Kong |
| 1353 | Poland | 5133 | Greece |
| 1355 | Austria | 5153 | Germany, FR |
| 1358 | Sweden (Foreign) | 5154 | Czechoslovakia |
| 1464 | Czechoslovakia (Bretislava) | 5175 | Czechoslovakia |
| 1532 | USSR | 51712 | Germany, FR |
| 1535 | Lebanon | 51716 | USSR |
| 1555 | Poland | 5172 | Yugoslavia |
| 1556 | Turkey | 5251 | Norway |
| 1561 | USSR | 5313 | Romania (Home) |
| 1668 | Germany, FR | 5323 | Germany, FR |
| 1712 | Germany | 5332 | Mongolia |
| 1715 | Denmark | 5333 | Switzerland (Romande) |
| 1717 | India | 5345 | Korea, DPR |
| 1765 | Holland | 5351 | Liberia |
| 2165 | Vietnam | 5353 | Germany, FR |
| 2444 | Israel | 5432 | Finland |
| 2545 | USSR (Tashkent) | 5433 | Switzerland (Italiana) |
| 2567 | Moraco | 5511 | Germany, FR |
| 2662 | Pakistan | 5515 | Philippines |
| 2727 | Germany, FR (Frieburg) | 5532 | Germany, FR |
| 3137 | Portugal | 5533 | Switzerland |
| 3155 | U.N. | 5535 | Germany, FR |
| 3213 | Spain | 5543 | Luxembourg |
| 3321 | Germany, DR | 5551 | Great Britain |
| 3324 | Belgium (Dutch) | 5553 | Greenland |
| 3331 | Tahiti | 5554 | Australia |
| 3332 | Faroo Is. | 555312 | France, Marseillaise |
| 3333 | Ecuador | 5565 | Czechoslovakia, Hvezda |
| 3334 | Albania | 5571 | Germany, FR |
| 3343 | Belgium (French) | 5578 | Germany, FR (Baden Baden) |
| 3351 | Ghana | 5587 | USSR (First and Foreign) |
| 3355 | Vatican | 5652 | Germany, FR |
| 3368 | USSR RP&P | 5655 | Korea, Republic |
| 3377 | Greece (Home) | 5671 | Cyprus |
| 3432 | Switzerland (Foreign) | 5723 | Germany, FR (Tuebingen) |
| 3433 | Austria (Prog. 1) | 5767 | Malagasy |
| 3435 | Hungary (Home) | 5833 | Greece, Armed Forces |
| 3453 | Germany, FR (Home) | 5853 | Germany, FR (Home) |
| 3511 | Reunion | 5875 | Czechoslovakia (Praha) |
| 3513 | Hungary (Petofi) | 58785 | RIAS Berlin |
| 3533 | Denmark III | 58789 | Germany, FR (Swedentsche) |
| 3535 | Denmark II | 58823 | Holland (Avro) |
| | | 58828 | Czechoslovakia (Shortwave) |
| | | 58833 | Germany, FR (Bayerscher) |
| | | 58889 | Germany, FR (Radio Liberty) |
| | | 5899 | Romania (Second) |

| IS Code No. | Country | IS Code No. | Country |
|-------------|---------------------------|-------------|---------------------------|
| 6223 | Czechoslovakia | 6889 | USSR |
| 6453 | Guyana | 6968 | Norway (Home) |
| 6567 | Holland (Radio Nederland) | 7123 | Qatar |
| 6633 | Greece | 7135 | Mozambique |
| 6676 | Japan | 778 | Great Britain |
| 6671 | Iran | 7772 | Norway |
| 6711 | Poland | 7889 | Germany, FR (Bremen) |
| 6717 | Tonga | 8555 | Poland (Home) |
| 6771 | Germany, FR | 8785 | Denmark (Foreign) |
| 6836 | USSR (Baku) | 8958 | Switzerland (First Joint) |

MORE ON THE

Sony ICF-5900W

by Larry Magne, Philadelphia, PA

(This article adds detail to the review of the ICF-5900W appearing in the January FRENDX.)

With little fanfare Sony has introduced into the United States an ingenious little linear readout shortwave portable at an affordable list price of \$150. Christened the ICF-5900W, it is the Americanized version of the ICF-5900 introduced into the Japanese SWL market last year. The actual selling price has been varying between \$123 and \$150.

Heretofore, the only serious SW portable available was the South African Barlow-Wadley XCR-30. Whereas the XCR-30 uses a sophisticated frequency synthesizer to achieve continuous operation from .5-30 MHz, the ICF-5900W uses a novel variation of a more conventional design. This, plus such cost-saving innovations as using the FM's 10.7 MHz IF as the first shortwave IF, allows the ICF-5900W to be vendad at roughly half the price of the XCR-30.

The ICF-5900W covers 530-1605 kHz mediumwave, 3.9-10.0 and 11.6-28.0 MHz shortwave, and 88-108 MHz FM (10.0-11.6 MHz being the IF "hole"). It is lightweight, compact, modish in appearance, and operates off three "C" batteries. Frequency readout on MW and FM is non-linear, while on SW a linear bandspread allows direct frequency readout to roughly ± 5 kHz (this varies from sample-to-sample and with the listener's ability to compensate). A ferrite rod antenna for MW and whip for SW/FM are built in, although there is a provision for an external antenna. A unique option is the outboard, battery-operated T-19H clock/timer/delayed shutoff that effectively converts the ICF-5900W into a globetrotting multiband clock radio; it sells for between \$27 and \$30.

To find a frequency on SW, the listener flips the crystal calibrator switch, which simultaneously activates the 250 kHz calibrator and BFO, plus deactivates the antenna circuit to eliminate competing signals. After zero-beating the main tuning knob to the nearest 250 kHz spot on the main tuning dial, the SWL is ready to make use of the precalibrated linear bandspread.

Shortwave performance is good. Selectivity and sensitivity are not quite up to XCR-30 standards, but are adequate for most situations. Image rejection is excellent and spurious signals are rare. The audio is bassy as compared with that of the XCR-30. Although it is too early to be certain, the design and construction of the ICF-5900W appear to be less rugged than on the XCR-30. Perhaps most important, the ICF-5900W does not tune the prized 90 and 120 metre tropical DX bands -- no small drawback for a set being promoted for "DX" use -- and is unacceptable for reception of CW/SSB signals. Serious DXers will thus likely favor the XCR-30.

Yet in many respects the ICF-5900W is preferable to the XCR-30. Particularly in Europe, where volt-plus SW signals are common, the XCR-30's front end overloads producing a variety of spurious responses that defy elimination. The ICF-5900W is less prone to overload, and when it does, insertion of the built-in attenuator circuit and/or shortening the antenna appears to cure the problem. The bassy audio cuts out much of the hash, making listening more pleasant for family and friends not accustomed to the gremlins of shortwave. The 1 MHz "pips" generated by the XCR-30's frequency synthesizer are, of course, not present in the ICF-5900W, nor do powerful signals from 1 MHz away "break through" as they do on the XCR-30. . . for the same reason. Too, the ICF-5900W is both smaller and lighter than the XCR-30 -- $4\frac{1}{2}$ lbs. vs. $8\frac{1}{2}$ lbs. -- a virtue when hiking or traveling abroad.

On MW, although its frequency accuracy is not equal to that of the XCR-30, the ICF-5900W test out with performance similar to that of the best such portable available heretofore: the Grundig Satellit. The XCR-30, unmodified, is a dog on MW -- insensitive and non-directional.

FM performance of the ICF-5900W is adequate and covers the FM bands found in Western Europe and the Americas (the otherwise similar ICF-5900, not available in North America, covers the 76-90 MHz FM band). The XCR-30 has no built-in FM, although an outboard converter is reportedly available from the factory in South Africa.

Barlow-Wadley has long been called to task for its lack of attention to details in the design of the XCR-30. For example, there is no dial lighting, no conventional S-meter gradations, and the battery holder allows cells to tumble into the circuitry. Although Sony's talents in producing excellent equipment are well evidenced in the ICF-5900W, there are small shortcomings: The dial and S-meter light up at the push of a button, whereas the linear SW broadcast that makes this set so unique remains dark. The signal strength meter is misleadingly "hot" and has no conventional decibel or "S" unit gradations; and there is no handle -- only a long vinyl carrying strap.

Which, if either, to pick? The answer appears to depend largely on your own listening habits.

If you are a serious SW DXer searching for a new primary set, neither will suffice. For less money than the XCR-30, one can purchase the superior Yaesu FRG-7 or any of a number of excellent surplus or used communications receivers.

If you are a serious tropical band DXer searching for something to tote on trips abroad, or if you plan to limit your travels to regions outside Europe, the XCR-30 is clearly advantageous, providing your travels don't bring you to customs stops where the "Made in South Africa" label might present difficulties.

However, if your listening is done mainly above 3.9 MHz, and especially if you travel in Europe, the ICF-5900W could well be preferable. It is light, compact, and affordable for use on that occasional trip overseas. Its performance on MW is a distinct plus in Europe, where all manner of intriguing stations are packed into the "AM band". It can act as an alarm clock and, for those interested in the indigenous culture, it provides a variety of musical experiences over FM. Mainly though, it withstands without becoming unstable, the barrage of RF encountered on the SW bands in Europe. At around \$130, it is an excellent value.

In the event neither set appears appropriate, it may be worthwhile to wait for the expected introduction in 1977 into the U.S. market of Panasonic's linear-readout SW portable (Likely around \$200 list). It may slightly outperform the ICF-5900W, especially as it has an RF stage and the ICF-5900W doesn't. Casual SWLs may simply prefer to purchase the Radio Shack Realistic DX-40, a conventionally designed set that does a decent job at a modest price. At \$49.95, it is a good buy except, again, it does not cover the SW zone below 3.9 MHz, and has neither linear readout nor multiple conversion.

Thanks to NRC's Steve Bohac and Glenn Jacobs, plus Perry Ferrell and Alan Hausner of NASWA, for their help in making this writeup possible.

Offer Withdrawn

The offer to provide machine copies of past FRENEX articles mentioned in the January 1977 Shortwave Center is withdrawn effective with the appearance of this issue. After the publication of this notice in the March FRENEX, all new orders will be returned without processing. Most of you who sent orders in January should have received your reprints by now and the remainder will be sent shortly. We have received about 150 orders for over 4000 pages of copy work and the physical labor is too great to continue. This offer will not be renewed. We will offer only off-the-shelf reprints in the future.

Several persons mentioned reprinting articles appearing prior to September 1972. My collection of FRENEX begins in that month. If there are equipment reviews or other articles that you think are still timely, please make a good copy, one that I can use to make third generation copies from, and send it to me. We will copy suitable articles and offer them as off-the-shelf items like the special publications.

Don't forget that NASWA Special Publications 1, 2, and 3, continue to be available.

Special Publication one: Keep it Quiet by Morgan Monroe, 10 pages on control of noise during shortwave reception, \$1.00 postpaid.

Special Publication two: Precision Frequency Measurement by Charles Taylor, 12 pages on a technique for measurement of frequencies to the nearest hertz on the SW and MW bands, \$1.00 postpaid.

Special Publication three (new): Introduction to Shortwave Propagation by John D. Tuchscherer, 6 pages of introductory material regarding the basics of radio propagation, \$0.75 postpaid.

Send all orders and payment for special publications to your Shortwave Center Editor, Jerry A. Lineback. Watch for a future special publication now in preparation.

WARC 79

IMPROVED ALLOCATIONS DEPEND ON SWL SUPPORT

by Kim Andrew Elliott, Minneapolis

In recent months, DX club publications have made frequent mention of WARC '79 -- the World Administrative Radio Conference to be held in October, 1979, in Geneva under the auspices of the International Telecommunications Union. The conference will reallocate radio frequencies among the various spectrum users, e.g. broadcasters, amateurs, utility stations, etc. These allocations will be effective for the remainder of this century.

ANARC and NASWA have been active in the attempt to obtain more channels for international broadcasting. Three goals advocated by ANARC/NASWA are: 1) widening of the present international broadcast bands, 2) separation of amateurs and broadcasters on frequencies they presently share, and 3) addition of certain new bands to provide more propagational alternatives for international broadcasting. The additional channels would be taken from bands currently assigned to the fixed services, mostly point-to-point radiotelephone services now largely using satellites and undersea cables for trans-oceanic communication. The International Broadcast Service Group, comprised of representatives of ANARC, NASWA, and the private U.S. international broadcasters, has proposed the following new allocations for international broadcasting:

| <u>Proposed bands</u> | <u>Corresponding present bands</u> | <u>Comments</u> |
|-----------------------|------------------------------------|---|
| 3900-4060 khz | 3900-4000 khz | Amateurs to 3400-3900 khz |
| 4450-4650 khz | (none) | 4750-5060 khz tropical band remains as is |
| 5750-6200 khz | 5950-6200 khz | |
| 7300-7700 khz | 7100-7300 khz | Amateurs to 6800-7300 Khz |
| 9400-9900 khz | 9500-9750 khz | |
| 11500-12000 khz | 11700-11950 khz | |
| 13600-14000 khz | (none) | |
| 15050-15700 khz | 15100-15450 khz | |
| 17500-18000 khz | 17700-17900 khz | |
| 21450-21850 khz | 21450-21750 khz | |
| 25600-26100 khz | 25600-26100 khz | |

To be sure, increased allocations will help those listeners interested in program content. But what about the DX-oriented listeners? Will the new allocations only invite more high-powered shortwave broadcasters, obliterating the weaker signals from the more rarely-heard countries? I think not -- the new allocations will, overall, help the DXer as well. Here is why: 1) High-power international broadcasting will increase anyway, so there might as well be more available channels to increase the probability of the weaker stations being heard. 2) More channels will mean less interference among stations, perhaps reducing the motive for Radio Moscow, Deutsche Welle, and others to use brute power and shotgun transmission (several channels within the same band) to get through to the target area. 3) Proposed bands will not conflict with the present tropical broadcast bands, where much DX is found. 4) Widened bands may encourage countries not now on shortwave to initiate shortwave broadcast activity. 5) Most DXers also spend some time listening to program content, according to the recent NASWA survey.

What can SWL's and DXers do? When writing to SWBC stations, especially those beaming to North America, let them know how the new allocations would help their signal:

--Mention how interference among stations can be alleviated by widening the present bands. A good example of this interference is that caused by the proliferation of Western Hemisphere stations (VOA, RCI, WYFR, Caribbean relays, etc.) in the 6 mhz band, making reception of Europeans increasingly difficult.

--Tell the stations how a worldwide allocation of the 7 mhz band, i.e. separating the amateurs and the international broadcasters, would be very helpful. 7 mhz is an excellent evening band for trans-Atlantic transmission when 9 mhz is too high.

--The proposed 13 mhz band may provide relief when the 15 mhz band is above the maximum usable frequency (muf).

--In the winter months during the lull of the eleven-year sunspot cycle, even the 6 mhz band can be too high for trans-Atlantic communication during the North American evening (this past winter is a good example). The proposed frequencies below 6 mhz may be of help during these conditions. Evidence for this is the fact that the European stations between 3950 and 4000 kilohertz have been heard in North America in the late evening. Cite your reception, or the reports of other listeners in DX bulletins, of the European stations on these frequencies (DW, BEG, RFE, SBC, etc.) when 6 mhz is all but useless for trans-Atlantic signals. With high power beamed in the direction of North America, 3900-4060 and 4450-4650 khz could be very useful in getting broadcast signals across the Atlantic.

(continued)

Writing to SWEC stations about WARC is not unwarranted meddling in the domestic affairs of other nations. As a shortwave listener, you have every right to address international stations on matters concerning reception quality. Your comments on WARC will educate SWEC stations about the problems of North American shortwave reception which could be solved in part by improved allocations for international broadcasting. Such information will help these radio stations convince their governments to adopt WARC policies favorable to international broadcasting.

Meanwhile, ANARC and NASWA will keep up the struggle on the domestic front. Comments from SWLs regarding WARC matters are always welcome. These should be sent to Larry Magne, ANARC/NASWA representative to the International Broadcast Service Group. Larry's address is 15 Central Avenue, Philadelphia, Pennsylvania 19111.

European DX Award

ADVENTURES IN QSLING

by Roger Peterson, New Canaan CT

In aiming for the European DX Award, I have logged 23 stations since late September. About half of this number have now been verified. Quickest answers came from Sweden, Finland, and Kiev - about 3 weeks. Slowest to reply has been West Germany - 114 days. I use Gilfer Report Forms and always ask for either a program or literature on the country. I feel this gives me an edge over the DXer who only asks for the QSL card. The latter may never tune in again, but my kind of report indicates further interest in the station and country. This may have backfired on me once because Radio Sofia, with a quick, four week reply, sent me a bundle of travel folders, but no QSL card! Hopefully, they will eventually send the card.

I find recent issues of FRENDX invaluable for building up these verifications. Not only do I find tips on frequencies and times to try for, but also the QSL REPORT tells me how others have fared with particular stations - long or short reply time, whether or not to send mint stamps or IRCs, etc.

Twentytwo of my loggings have been English language programs, but now I am forced to go via the foreign language ones. I can get Austria in German, but not their EE program. While I do not speak the language, I got the drift of a program the other night that was all about the Innsbruck Ski Jumping championship. I wrote down names and whatever else I could and then checked the sports page of the N.Y. Times the next morning. Sure enough, they covered it and I was able to send in a good report.

This little episode leads me to believe that the best time to decipher a foreign language broadcast is when something big or important is taking place in the world, and will be reported by all nation's news broadcasts. I can get Belgium and East Germany, but not in English. So I plan to nail both these stations on the day the President is inaugurated. There's no way the name, Jimmy Carter, can be hidden in French or German!

Beginners Patch

by Gerry Bishop, Christiana, PA

Some beginners are completely in the dark when it comes to hearing anything but the major international SW broadcasters such as HCJB, the BBC, VoA, RCI, Radio Moscow, Radio Nederland, etc. However, they shouldn't despair. It takes time and work to become a good DXer.

A few stations that can be heard by novices without much difficulty, while still giving a sense of satisfaction to the beginner are listed below. From Europe, Radio Luxembourg can be heard in English from 0000 GMT on 6090 kHz with European pop music.

If you haven't heard Argentina yet, try RAE (Radifusora Argentina al Exterior) the international broadcaster from Buenos Aires. It has English programming from 2300 on 11710 kHz, and at 0300 and 0600 on 9690. Reception is good, but don't bet on the QSL. I have yet to receive one despite five reports in the past year.

Most or all of you have heard Radio Australia, but there is more DX from the South Pacific, with the beginner's best bet being the NBC station at Port Moresby, Papua-New Guinea on 4890 kHz. This station is often heard throughout North America, with the best times for reception coming at your local dawn.

There we have three for you beginners to work on and for you masochists, there is one more. New Caledonia is reported widely on their 7170 kHz frequency with a good signal and pop music in French or English, with some local music as an added extra attraction. The ID of "Radio Noumea" is heard at various times and peak reception is from 0600-1000 GMT. The reason this one may be tough is because there is much interference from ham operators and utility stations. Programming is in French.

On the QSL side, what you've heard before is accurate, you should be complete in your report, and be polite in your request. Don't expect every station to reply, many will, but some may never. It wouldn't hurt to ask for some superhuman help with some reluctant ones.

Moscow Reacts

RADIO MOSCOW BLASTS THE VOICE OF AMERICA

Transcribed by Kim Andrew Elliott

There has been much news coverage lately on the subjects of human rights and political prisoners in the Soviet Union and the Warsaw Pact countries. Anyone who has been listening to Radio Moscow can tell that the Kremlin has been irked by this publicity. In the February Listener's Notebook, I commented on Radio Moscow's coverage of the political prisoner swap between the USSR and Chile. Well, it seems that the Voice of America has been reporting extensively the activities of Vladimir Bukovsky since he was released by the Soviets. And Radio Moscow, not to be outdone, decided to get back at the Voice by broadcasting this commentary which I monitored on 12 February:

"Vladimir Bukovsky has a slight edge over President Carter in the Voice of America broadcasts. And he by far gets more coverage than the rest of his administration. My explanation of this phenomenon is simple, perhaps too simple: while U.S. Presidents as a rule stay in office for four years and, if re-elected, for eight years, people like Mr. Bukovsky don't last that long. Hence, what is needed is to squeeze as much out of them as possible before they're thrown into oblivion.

"In the case of Vladimir Bukovsky, the Voice of America is keeping in the best of the American show-business tradition: to raise a new star, you've got to build up his image and give him a lot of publicity. After the public has been sufficiently brain-washed, the star goes onstage. So we here are told about what Mr. Bukovsky thinks about Soviet-American relations, disarmament, the European Security Conference, ourselves, and so forth. And it's remarkable that his views are consistent with the views of those American politicians who want no disarmament, who downgrade and distort the Final Act of the Helsinki Conference, and who do not want to see any improvement in the relationships between our two countries.

"Is this the reason why the Voice of America and its bosses take so much relish from his pronouncements? I realize that in the United States there are some people who would like to see a kind of opposition to Soviet power. But this is wishful thinking. One doesn't call opposition against the people that (a VOA show?) can accommodate, to think if there is one, as building sandcastles. However, there is one thing I don't get: namely, how can any serious news outlet be so one-sided in the presentation of the story, and sacrifice impartiality for the sake of a dubious end, that is sought to be achieved by no less dubious means.

"Vladimir Bukovsky, well before he got himself a name as a human rights activist, served a number of prison terms for activities that are punishable everywhere, the United States included. Setting up a terrorist group is punishable by U.S. laws, isn't it? And I also doubt that it is permissible in the United States to conduct illegal political activities, as Bukovsky did. Or take Alexander Ginsberg, another martyr, to believe the VOA. Illegal trading in icons and currency, that he engaged in, is against our laws.

"But enough's enough, or otherwise you'd think those people at Radio Moscow are sunk to the quick, and that's why they're lamenting. Not at all. I'm sure that as long as Mr. Bukovsky hasn't been sucked dry and can come up with various ideas, he will be exploited. To hope that the VOA and other U.S. news outlets will show less bias is like putting mustard plasters on a wooden leg. But just in case the VOA is going to make Bukovsky its permanent feature, I'd like to know his views on the following topics: UFO, ESP, witchdoctors in New Guinea, women's lib, and the pill." (End commentary)

There was something else of interest on Radio Moscow's North American service of 12 February. For some reason, Radio Moscow is devoting a substantial amount of discussion to the assassinations of the Kennedy's and of Martin Luther King. An item on the news stated that "there appears to be further evidence that certain circles in the United States are bent on concealing from the nation the truth about the assassinations President John Kennedy, his brother Robert, and the black leader, Martin Luther King" and reported that the Congressional commission investigators have been denied access to FBI files.

Then, later on Moscow Mailbag, Joe Adamov answered a question from a listener in Florida, who asked: "Do you think that Lee Harvey Oswald, who they say killed President Kennedy, had any outside help?" Joe replied that a U.S. Gallup Poll showed that 2/3 of Americans believe Oswald did have help and that the people in the Soviet Union agree. He added: "I personally have a feeling that one day the revelation of the Kennedy assassination will make Watergate look like a childish prank."

Now what is Radio Moscow trying to tell us? Stay tuned.

AS I RECALL.....

BY EDWARD SHAW

I made my big decision to join NASWA after writing for brochures from about three of the national clubs. The mention of NASWA was made over Radio Prague's DX program one day, and I wrote to ask about clubs. When the list came, I saw that three looked more successful than others; so when I wrote to them and asked for more information, one never replied, one sent only a sample bulletin, but NASWA sent me a nice personal letter signed by Bill Eddings along with the sample bulletin. That gesture has never been forgotten.



NASWA's stationery had a nice letterhead on it - a modern looking building with a flagpole. The logo was emblazoned: NORTH AMERICAN SHORT WAVE ASSOCIATION. There wasn't a typographical error anywhere in the letter, and the signature had in impressive looking seal crimped into the paper beside it. The annual fee was about the same as the others, so I filled out the membership questionnaire and sent it in. I was all set to enjoy my new hobby.

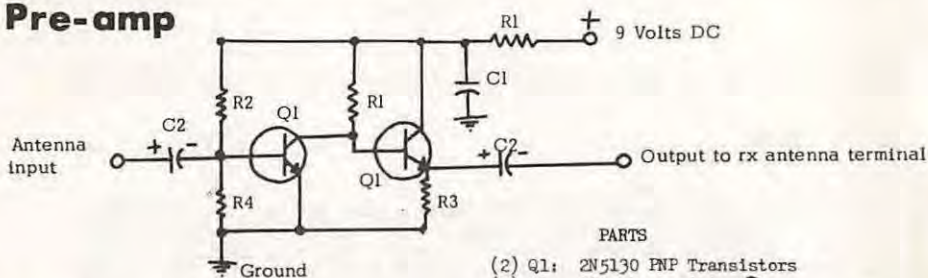
Visions of headquarters swirled through my head. There was the Executive in his office, business suit neatly pressed; telephones buzzing softly, secretary clacking away in the outer office; and files upon files of membership records around the walls. Of course, publication of the bulletin must be done in the press room on the lower floor or basement, and I saw several men with shirt-sleeves rolled up and green visors shading their eyes loading big press drums. Nearly such were my naive imaginings about NASWA in my early weeks with NASWA.

Today, I don't expect anyone has that kind of idea. You can imagine my astonishment to learn that NASWA headquarters was, in reality, only ONE middle-aged humanitarian, living in a two-story, cold water flat on the seedy side of the railroad tracks in Altoona, Pennsylvania. The main office was barely eight-by-ten feet, and the press was falling from the lathboard on the ceiling. The press was a second-hand manually-operated mimeograph machine in one bedroom. The Executive himself worked at his avocation hours per day and most of the weekends. By evening he earned a modest livelihood by managing a local bowling alley, from which he supported an ailing and aged aunt. Bill Eddings was concerned for the hobby, though. He cared that everyone was satisfied. He gave it all he had for nearly eleven years until he collapsed in death.

NASWA still is no suite of offices and a printing company, but neither is it located on the seedy side of the tracks. Several persons in several locations share the load of managing NASWA and PRENDX, now many times the size of Bill Eddings' efforts. It's a much larger act, and it requires each member of the board and each editor to have somewhat of a bonafide office and records. In addition, NASWA does have the capability to publish its own efforts with the equipment it owns.

NASWA has come a long way since I first joined in 1965. We never expected to please everybody everytime - BUT, I think we come closer than anybody else does. And, if I were pressed to express my opinion why NASWA appeals more, I would have to say that it was the spirit that Bill Eddings left behind....personal involvement, and the desire to our motto, "Unity and Friendship", work. I've no doubt it does.

Pre-amp



by Robert Stees, Halifax PA.

This small pre-amp is a cheap, simple circuit which will add up to 10 dB gain to your SW rig. It works nicely on all SW bands and is great for any receiver which needs a little boost. Works great!

PARTS

- | | | |
|---------|---------------------------------|----------------|
| (2) Q1: | 2N5130 NPN Transistors | } all 1/2 watt |
| (2) R1: | 330 ohm resistors | |
| (1) R2: | 18 kohm resistor | |
| (1) R3: | 2200 ohm resistor | |
| (1) R4: | 4700 ohm resistor | |
| (1) C1: | .01 uF disc capacitor | |
| (2) C2: | 2.5 mF electrolytic capacitor | |
| (1) | 9 volt battery and battery clip | |

First Radio Voice

"IT TALKS!" - THE FIRST VOICE BROADCAST

by Robert Fraser, Cohasset MA

On Christmas Eve, 1906, shipboard radio operators along the Atlantic Coast were amazed. Instead of the usual Morse code messages, they were hearing a man's voice and music. Word quickly spread around the ships and soon the radio shacks were filled with curious sailors.

Voice radio, or "Wireless Telephony" as it was first called, all began with Professor Reginald Aubrey Fessenden (1866-1932), the Forgotten Man of Radio.

Born in Canada of American lineage, Reginald entered Bishop's College, Quebec, to become a minister as was his father. But, he switched his major to mathematics, a course he passed with great ease. On graduating in 1886, he came to the U.S. and went to work for Thomas A. Edison. The next year, Reginald became Edison's chief chemist.

In this time, Fessenden became interested in wireless telegraphy based on Henrich Hertz's electro-magnetic waves. Edison felt there was no future in radio and when Reginald's experiments began to interfere with his regular research, Edison fired him. Fessenden then went to work for Western Electric and was quickly sacked for the same reason. In 1892, Fessenden became Professor of Electrical Engineering at Purdue, taking the same post the next year at the University of Pittsburgh. Here, he was able to experiment without trouble.

The famed Guglielmo Marconi was also experimenting with radio at this time. But his system was to break up the hertzian wave into the familiar dot-dash of Morse's code. Fessenden's system was to superimpose the signal on a continuous wave.

Fessenden was hired by the Weather Bureau in 1900 to set up and man a wireless station on Cobb Island, north of Cape Charles, Virginia. Once the code messages had been sent, Reginald turned to his major interest, voice communication. Late in 1900, using the equipment, he sent a voice message clearly received one mile away.

Then in 1902, the National Electric Signalling Company was founded to use Fessenden's inventions to establish a commercial two-way wireless telegraph system. The company also intended to compete with the American Marconi Company which, headed by the Italian, was establishing a similar station on Cape Cod. In December 1905, the N.E.S. Company raised a 400 foot hollow metal tube mast at Brant Rock, Mass., and an identical radio mast at Machrihanish, Mull of Kintyre, Scotland. The radio equipment consisted of a spark gap alternator on 1000 Hz, and Fessenden's 1901 invention, the "liquid barretter". This was a glass vacuum tube holding a platinum wire which touched a nitric acid solution and served as a detector.

On 3 January 1906, Scotland sent a code message clearly read at Brant Rock and Fessenden himself answered it. For the first time, the Atlantic Ocean had been spanned by a two-way radio signal.

Reginald continued his voice radio experiments, but the equipment proved too crude. He asked General Electric to build an alternator capable of 100,000 Hz and after some trouble, F. W. Alexanderson, protege of the great Steinmetz, was able to construct one. With the new equipment, Fessenden made a highly successful test broadcast to a receiver in nearby Plymouth.

Then on Christmas Eve 1906, Fessenden stepped up to the telephone-microphone and made a little speech on what he intended to do. The phonograph was cranked up and Handel's "Largo" was broadcast. This was followed by Fessenden playing Gounod's "O, Holy Night" on the violin, he singing the last verse. Next, he read the Biblical text, "Glory be to God in the highest and on earth, peace to men of good will". Then he wished all a Merry Christmas and added that he would again broadcast on New Year's Eve.

The second program was similar to the first, only different music was played. Fessenden hadn't wanted to do the whole program, but all his assistants had suddenly developed "mike fright". In the second program, a Mr. Stein did sing, but he was the only other person to take part.

The first program was heard as far as Norfolk, VA, and the second as far as the West Indies. A few months later, Reginald was astounded when he received a note from Scotland saying that they had clearly heard the test broadcast back in November 1906. However, their tower had collapsed in a gale in mid-December and they never heard the historic holidays broadcasts.

Fessenden continued his experiments and in mid-1907, established a two-way voice communication between Brant Rock and Jamaica, Long Island, 200 miles overland and in daylight.

Despite all this, the N.E.S. Company's income remained low, they were forever being beaten out by Marconi. As a result, the company heads squabbled among each other and in 1911, Fessenden left Brant Rock forever. The N.E.S. Company sold out their rights to American Marconi in 1914 and in mid-1917, their Brant Rock property to the International Radio Telegraph Company. Soon after, we entered World War I and the station closed down and was dismantled.

In his lifetime, Reginald patented over 500 inventions including a radio compass, fathometer, submarine detector, underwater signalling system, turbo-electric drive for warships, and (Rock and Roll fans note) loudspeakers fitted to instruments. But few provided him with any steady income for most involved him in court battles to protect his patents. In 1919, Westinghouse acquired his voice radio patents. Today, Fessenden is remembered only for his 1905 invention, the heterodyne radio receiver. Even in this he was disappointed for it was shelved at the time as having no practical use. However, he was honored in his lifetime. In 1921, he received the Radio Engineer's Medal of Honor and the John Scott Medal in 1922, both for his radio work, and the Scientific American Medal in 1929 for inventions relating to safety at sea.

The only remnant today of the Brant Rock station is the radio tower's concrete base. Fessenden's historic broadcast was finally marked when, in 1966, a small plaque was placed on the cement block.

Mailbag

Due to summer travel plans, your Shortwave Center Editor will have to prepare the September issue in advance. I note that there was considerable interest shown in the reprints of articles about antennas in the recent reprint offer. Therefore, I propose that we make the September Shortwave Center a SPECIAL ANTENNA ISSUE. Please send me short articles on your favorite antenna designs. I think it will be an interesting experience to share ideas about antenna designs.

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Terry Krueger points out that the magazine "Amateur Radio CQ" is on many newsstands with articles and reviews that can be applied to the DXer too, including the monthly propagation column by George Jacobs.

+++++

James Conrad wonders if anyone has had any experience with active antenna project offered by Radio Nederland. If so write him at 545 Kirkwood Ave, Waterloo, IA 50701. And why not an article for the September Antenna Issue.

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Jim Cooper, Box 283, Brandon, Miss. 39042, would like to contact other DXers in the area. Phone 825-3654.

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Bill Coleman sends a clipping giving a third explanation for the Russian transmissions that have been noted interfering with broadcasts. This is that they are multiple megawatt transmitters for possible shortwave radio bombardment of North America. YUCK AND 73.

QSO/NASWA

letters to headquarters

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

PHILADELPHIA ENQUIRER Sunday magazine ran a nice multi-paged article on the thrills of short wave listening, written by Tom R. Sundstrom. Our thanks to Bill Oliver for sending a copy for us to read.

MARK SELTZER in Waterloo, Ontario was sharp enough to point out a mark of affluence in Afars and Issas. Page 466 of the 1976 WRTM clearly shows there are over 20 TV sets per person in the territory!

JON CHICKY, 444 Skyline Drive, Jensen Beach, FL 33457 recently renewed with NASWA and desires for area DXers to contact him for the purpose of forming a regional branch. His tel. no. is 344-6028.

SEARS SELLS FROGS! Several persons have written to advise us that the Spring 1977 catalog of Sears advertises the FRG-7 for \$299.50. Only the label apparently has been changed to reflect "Sears Communications Receiver." Credit card buying is convenient, but GILFER is cheaper.

BETTER FRG-7 SELECTIVITY. GILFER also sez that buyers wanting better selectivity in their FRG-7 can have it. A new special filter can be ordered WITH a new FRG-7 for \$308.00 They will install the new filter in receivers returned for \$35 plus shipping, or will sell the filter alone for \$27.50 if you want to do it yourself or have it done.

WHO IS NEFCO LIBRARY in Cambridge, Massachusetts? Some NASWA member in that area may do us a great favor by discovering who and/or what this organization might be.

FRENCH-FOTO PAGE LIVES! Now that our publisher has renewed the capability to reproduce photographs, the photo page of years past may be returned. Members are cordially invited to send the QSO EDITOR pictures of themselves and/or their shacks, pictures of DX rathering, pictures of other DX noteworthy subjects. Usually pictures cannot be returned as they are cropped, and cemented, and generally subjected to all kinds of rude treatment before publishing. Clear and sharp, and lighter-than-normal-if-possible, is what we'd prefer. Color or B&W. Send yours now, won't you? We can't promise to publish all, but we'll do the best we can.

ENDORSEMENTS OF RECEIVERS. Many members, far too many write to ask me which receiver should they buy. This is a normal question for someone investing their hard-earned cash to ask of someone they feel knows better. Of course, I can only offer a personal opinion, yet hesitate to do so because of apprehension that the member will be somehow disappointed. Because NASWA or the editor publishes a favorable review of certain receiver does not necessarily mean such receiver is what you should buy. By all means, investigate 2 or 3 others.

RADIO NEDERLANDS technical service will offer a course of instruction in Communications Systems, written by Jim Vastenhou, Radio Nederland's Deputy Director of Engineering Services. From personal knowledge of Vastenhou's ability, I can recommend this course highly for most of NASWA's members having a 10th grade education or higher and who have an affinity for science matters. Registration must be completed by the 7th of April 1977. It is free! The course will teach much about the present and projected use of the radio frequency spectrum such as radio, television, radar, navigation, and radio astronomy. Write Radio Nederland, P.O. Box 222, Hilversum, Holland.

TOM ALLEMAN, St Louis, MO. writes to caution NASWA members about reading the small print...he notices the following in his Yaesu warranty. "If service or repair is required within the warranty period, repair will be made free of charge by the dealer from whom the equipment was purchased. If the owner requires any service or repair from any other (emphasis by editor) dealer than from whom the equipment was purchased, the repair cost must be paid by the owner." In passing, it seems only fair to Yaesu to mention that necessity of returns have been few.

SX-190 INQUIRIES have increased somewhat from NASWA's Canadian members. A few years ago, I had available a somewhat lengthy consumer's evaluation and helpful hints booklet; a useful supplement to the somewhat inadequate owner's manual provided with the SX-190. If there are enough persons interested I will rewrite and republish the booklet. Let me know by postcard. It will probably run 50¢ to defray printing and postage.

NEW SPANISH LANGUAGE REPORTING GUIDE will soon be available in mimeographed format. We believe this reporting guide will be much more useful in composing reception reports for Latin stations. The choice of words and sentences are more descriptive. Thanks to NASWA's resident Spanish language assistant, Joseph H. Francisco of Whittier, CA and to Danny Jamison in Columbus, OH., we should expect the new form by Feb. It will be handled by Mac Leonhardt at NASWA Headquarters in Liberty.

RICHARD EVANS, Lakeside, CA would like to hear from NASWA members who enjoy tape recordings of old radio programs, historically interesting broadcasts, and classical music. Richard has tapes of some real goodies. Contact him at 8475 Golden Ridge Road, Lakeside, CA 92040. Send him a list of what you have, and what kind of recording equipment used.

MARY-HOWELL ROBERTS of Elizabethtown, PA. writes; "I heard your organization mentioned on HCJB...I hadn't realized there were others doing what I was doing." We've heard that from soooo many people before, Mary-Howell! Welcome aboard!

24-HOUR LED CLOCK is a really nice showpiece and useful addition to your shack. Runs on 12Volts, AC or DC, for fixed or mobile use. Contains a built-in accommodation for 9VDC battery (not supplied) for emergency power losses. Kit #2001 costs 29.95 + \$1.50 postage and handling, or fully wired and tested for \$39.95 + postage. Has big .4" numerals! 6-digit display for hours, minutes, seconds. Be sure to SPECIFY that you want the 24-hour system, or they will automatically send the 12-hr model. Measures 7-1/2 x 4 x 1-3/4 inches. Tell them NASWA sent you. They also take BankAmericard and Master Charge. Optoelectronics, Inc. Box 219, Hollywood, FL 33022. Your QSO ed. advises to write first!

GHANA PEN-PALS STILL LIVE!! Every so-often this chestnut subject peaks. In the past month, I have had letters from three NASWA members asking about, and telling about new-found pen pals in Ghana. Do you recognize yourself here? In the past it happened that NASWA members unexpectedly received letters from some very friendly soul in Ghana who either worked in the post office, or had some friend or relative who did. Their friendly overtures usually started with harmless exchange of letters, which soon turned to things like stamps and magazines, etc. Then they want to exchange a Ghana dollar for one of your dollars "in reciprocal good gesture of friendship". Next, comes offers to swap African carvings for shoes and tee-shirts, etc. At least once, we have knowledge of where a NASWA member was astounded when his Ghana pen-pal wanted to know if the NASWA member "would kindly sponsor" him on an extended visit to the good-ole U.S. of A. A mighty big responsibility, there, mate!

DAVE SARRAZIN of Denver, CO published an article on short wave listening in his school newspaper at JFK High. Dave also had a recent talk with the WWV announcer we hear with forecasts of solar activity. According to the announcer, plotting daily graphs is only a good way to develop trends of solar activity. Dave has heard 90 NASWA countries!

OUR THANKS TO ANITA L McCORMICK for the neat cartoon characters received this past month.

OUT OF PRINT SCHEMATICS? Need information about olde radio receivers? Try Historical Radio Services, P.O. Box 15370, Long Beach, CA 90815. (Tnx to Robert Taylor, USN)

DXATN TO BE UPDATED AND REVISED

"DXing According to NASWA", our club handbook is in the process of being revised for THIRD printing. It should be ready in the Spring. Look for further notice in the Report from Headquarters in months to come.

ROBERT FRASER of Cohasset, Mass. asks about his Astronaut 6 from Radio Shack and his Barlow-Wadley XCR-30. "I am able to get R. Bagdhad on the Astro using its whip alone, while I couldn't get this station on the XCR-30. Why?" ANSWER: Bob, I sincerely believe you might have heard R. Bagdhad, but you just were not listening at the right spot. Portables like your Astro most often are plagued by false images due to its simple single-conversion circuitry. That is, a radio signal may show up on your dial where it does not belong. Usually, this means 910 KHz up or down from where it is supposed to be. (2 x 455 KHz, the IF fcy). You didn't say what frequency you found R. Bagdhad, but let me guess. If you found it on the Astro, but not on the XCR-30, I'll bet you found it out of band, about 8.8 or 10.6 MHz. Whenever you find what appears to be an image, try tuning up or down about 910 KHz to see if you find exactly the same thing - if so, it probably IS an image.



SLEP ELECTRONICS CO., P.O. Box 100, Hwy 441, Franklin South, Otto, NC 28763 is another reputable source of military surplus gear...R-390 and R-390A, R-388, R-348, R-648, etc. Write for information.

ENGLISH LANGUAGE BROADCASTS IN NORTH AMERICA. Don't forget to order your copy of this 16-page innovative guide to English broadcasts. Just \$1 to Dan Ferguson, P.O. Box 8452, So. Charleston, WV 25303. You've never seen a list like this. Shows Country, Station, Frequency, and GMT listening time at a single glance! We think it's better than any list we've offered before.

DARRYL HOLLARD of the Bronx, NY writes to asks is it him or his DX-150 which is not getting good 60 meter DX. Darryl says that his listening time is 12 midnight to 2 a.m. SUGGESTION: Darryl, at 12 midnight New York time, it is 0400 GMT, and most Latins will have signed-off by that hour. For 60 meter DXing, try around 1100 GMT or before 0400 GMT, that is if you are looking for Latins. Of course, there are many who stay on all night, but so do some Africans and other places.

CLUB ONDES COURTES CANDIAC is looking for French language DXers. They publish a monthly bulletin called "L'Onde". Membership fee is \$6 U.S. For more information, please write to them at 3420 Cherin Ste-Foy, Apt #5, Ste-Foy, Quebec. (Tx to Andre Pineault, but he left out the zip code)

PUBLISHING SWLING ON METERED MAIL. Several NASWA members have written to comment on the catchy little illustration which NASWA uses on its metered-mail sticker...it depicts a DXer at his receiver and is captioned "Tune in the world on SHORT WAVE". This was a service offered by the meter company and is very reasonably acquired. Likewise, some of us publicize short wave listening with slogans on our personal stationery. For instance, a thin bottom line on my personal stationery proclaims..."Listen to shortwave-music, news, variety-24 hrs. a day." Please...see your local printer. He might advance for some very catchy stationery to help tell people what you do for a hobby.

DAVE VALES in Lunenburg, PA complains that his local post office cannot or will not acquire INCS for him. International Reply Coupons are merely another service available to you from your post office. They may not have any on hand, but you CAN require them to get them for you by paying for them in advance - and, don't let them tell you no. A letter to the Post Master of your Zip Code may bring better results.

AN EDITORIAL

To DX, or not to DX....that is the question. (If not exactly original!)

Hans J. Rakow of Sherwood Park, Alta. writes in part: "I think somebody should sit down and try to help the members become better listeners, establish standards not only to enjoy the hobby passively but gain by it in human fulfillment. It requires discipline if you really want to profit in your mental outlook, etc. A hobby is only a hobby if you have to work at it. There seems to be no thoughts given as to what is important to the average SWL with little time, and what is only of value for "wave riders". As in music, there is serious and light fare, and so it is with our hobby. The people who are only out for the CWLs (nothing against them) should try not only to hear stations, but to listen. If they did they would not have that much time left to chase those unimportant exotic stations that the broadcasters have not intended for them, and from which they themselves cannot really gain or profit personally, spiritually, mentally, in knowledge, human development, or otherwise. It's more childish play, not adult achievement, so to speak."

Editor's response: "Well, Hans...you have really left yourself open to some very sharp comment, but let me try to explain to you rationally that serious "wave riders" too have their interests. There is no accounting for tastes. Many of these more experienced listeners ARE JUST THAT; they have been in your level of hobby enjoyment, but prefer to consider "DX chasing" as a progression in our hobby. For all we know, many of them may be listeners of programs as well, as you would have them do. Our members come from all walks and livelihoods. We are teachers, students, plumbers, seamen, engineers, doctors, housewives, and salesmen (bless 'em), retired, and handicapped. I really think that we should let our individual members decide what is compatible to them. Some of them are indeed justifiably satisfied in going no further than tuning in "Jerry and Dodie" or "Morning in the Mountains" or "Notturmo Dall'Italia." Others feel more exploratory and delight in sifting a few words of Bahasa Indonesian or a few notes of nose flute music from out of the ionospheric noise. Perhaps they feel they are accomplishing something you have no patience for. Perhaps they wish they could show you how to do something you wish you knew about. In any case, FRENCHX desperately desires to appeal to all levels of interest. We may not do it each month, but hopefully we hit a happy medium.

ARE THERE ANY MORE COMMENTS OUT THERE? LET ME HEAR FROM YOU THIS WEEK!!

Listeners NOTEBOOK



• Editor: Glenn Hauser, WUOT, U-Tenn.,
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WHAT'S GOING ON?

My sincere thanks to all those who called or wrote expressing their concern about the "Important Announcement" from HQ following last month's LN. My health is fine, and I have not yet tired of the task of compiling LN. Without consulting them, all NASWA editors were mailed a set of standards. The accompanying HQ letter said it would be assumed each editor agreed with them, unless he expressed himself to the contrary. Since I objected to certain of the standards, and to the way they came about, I informed HQ of this. It was not stated in the accompanying letter that anyone who objected would be expected to resign. Yet, Ed Shaw told me he anticipated that I would. More realistically, Mac Leonhardt was on the verge of dismissing me. While my aim in editing LN has been to convey useful information and to provide a forum for the free expression of opinion on the subject of SWBC, this conflicts with the aims of the NASWA leadership. They do not want to risk the possibility of anyone being offended by anything in FRIENDX. (Thus, also, the removal of Charlie Loudenboomer.) Following the appearance of Richard Wood's item at the bottom of Nov LN-5, HQ told me to apologize to the membership for allowing such filthy material to appear. I did not think it necessary to do so. I also voted against the Warrant of Trusteeship, primarily because of Article E, Section 1, which is a blank check for the Trustees to pay themselves any quantity out of the treasury they choose. For these and other reasons, Mac felt it would be better if I were dismissed. My primary loyalty is not to the current Trustees, but to the NASWA membership at large, the overwhelming majority of whom, to the best of my knowledge, approve of the way I had been handling LN. However, when given the ultimatum of excising controversial material from LN (e.g. "In My Opinion", "Don't You Believe...", and program reviews), or being replaced by a new editor, I chose the former. If you would like my editorial independence reestablished in NASWA, you are free to tell HQ so, and send me a copy. In the meantime, recent contributors to LN will be receiving a new, independent publication not sanctioned by NASWA consisting of the material which is no longer allowed in LN. Those who would like a copy, and have not received it by 15 March, please send gh a long SASE. A beneficial aspect of the prohibition of member opinion and criticism in LN is that I will use the space to give the column a more pleasing appearance, as last month's increased spacing was enthusiastically received. In conclusion, let me make clear that Mac and Ed believe they are acting in the best interests of NASWA. I would like to commend publisher Al Mayer for not exercising censorship. As provided in the Warrant of Trusteeship ratified by a majority of the members, NASWA is the property of the Trustees to run as they please. P.S.: Charlie Loudenboomer will be welcome to contribute to my independent publication(gh)

ENGLISH SCHEDULES

VATICAN R. Vaticana at 0100 to Nam on new 6010, ex-6015; // 5995, 13/2 (Talbot, WI, SPREDX)

USA Sunspots must be looking up! It's been years since AFRTS operated on 13m, but the M77 sked shows old 21500 reactivated to NAF from a 50-kw Greenville at (1230)1330-1800, ex-11790 and the remainder of the sked is on the usual frequencies: 15330 DX-100 (1830)2130-05 FE
6030 BY-175 2300-1130 Carib 9755 BY-175 0600-1300 Ant/Crb 15430 GR-250 (1230)1330-18 EU
GR-50 (2300-1200) Eur 11805 DX-100 0300-0900 FE BY-175 1800-2300(24)NAF
6095 DX-100 0900-1430 FE DX-100 1430-1630(2130) FE 17765 DX-100 2130-0300 FE
9700 DX-100 0500-1630(1830) FE 15330 BY-175 1200-2330 SA (VOM M77 freq sked via gh)

TAIWAN Differing from Feb LN-2 is this ECC VOFG sked; dated 12/76 via BBGMS; what of M77?
0100-0200 NAM/Aus 17890 15425 15345 11825 9765; 0300-0350 NAM/Aus 17890 15345 1700-
1800 NAM/Aus 17890 11825 9685; 2130-2230 AT/ME/Eu 17720 15225 11860 9600 9510

SPAIN The ANARC Frequency Recommendation Committee suggested RTVE escape Canadian QRM on 6065 by using 6080 after Belgium off; results were good. Meantime, Canada was persuaded to move from 6065 to 6195, so Spain returned to 6065 at 0100-0400 exc. Mon (Bob Zilmer, WI, SPREDXGRAM) 6065 is poor and heterodyned; 6080 was better (Richard Wood, NY)

SOUTH AFRICA SABC English service, not to be confused with Radio RSA; maybe changed by now:
0358-0520 3965 4835; 0520-0635 4835 9680; 0635-1520 9680 11790; 1520-1620 4835 9680; 1620-
2115 3965 4835; Saturday 0440-2205; Sunday 0500-2115. (R. Australia DX pgm 6/2, via gh)

SEYCHELLES FEB a surprise closing English 0409* 10/2, on 9700, no AFRTS; Nairobi addr(gh)

PORTUGAL The English broadcast to Europe, for a while at 1800, has been retimed to 2030-2100, still on 6025/9740, from R. Portugal (BBC World Radio Club 9/2 via gh) See below:

PHILIPPINES A recent survey establishes that with the sole exception of a 10-minute news bulletin in Tagalog at 0800, VOP broadcasts, currently observed 0700-1855 on 9580 kHz, are entirely in English. Formerly there were also Japanese, Std. Chinese and Vietnamese (BECMS) FEBC at 0830 on new 11850/11765 (Michael Willis, Victoria, 4/2)

NETHERLANDS The new out-of-band 9895 (see Other Skeds section) appears in the M77 sked for English as an additional freq at 0930-1050, and as a replacement freq at 1400-1520 ex-15120; the only other change from Lopik for M77 English is the usual ascension to 17700 from 15375 at 1830-1950. No changes at all in Bonaire & Malagasy English frequencies (via gh)

MONGOLIA A fill-in-the-blanks RUB sked resembling a QSL card shows the usual 1220-1250 pgm on 6383/5960, but the other one, once sked at 1715-1745 but rarely if ever reported, at 0115-0145 GMT instead; actually: "1.15 to 1.45" on 7260/9575. (via Mark Bixby, CA, and Sam Bar-to, CT) It so happens that 1715 GMT is 0115 in Mongolia; could they have slipped into local time? If so, certainly consistent, as numerous SGDX reporters got the same sked. Oh, they specify as before 'daily except Sunday evening and Monday morning' (gh)

MONACO TWR noted on Sundays 0725-0900 on new 7125 (Cushen, HGJB 19/2) Cf Feb LN-2 (gh)

LACS (?) Regional closes on 7386 at 1430, but quite a few times I hear English 1430-1500*. At first I thought it was Peking, but I am not convinced by this explanation now (Willis)

KOREA SOUTH Monitored sked of R. Korea: 0300-0330 11860; 0600-0630 9675/9640; 1000-1030 on 9580/9525; 1130-1200 11860/9665/7150; 1330-1400 11860/9665; 1600-1630 9640/7240; 1800-1830 9720/9640; 2000-2030 9720; 2300-2330 9640. Checked frequency only, some other frequency may be skipped or jammed. 9640 at 0600 may be irregular(?) some days not audible (Hayashi, FEDXR)

KOREA NORTH Changes of KGPBS as of 11/12 check, new freqs underlined; BEC version at bottom. 0500-0550 NAME/af 3560 9420 9820 1200-1350 SEAs 3560 7580 9510 9768 2300-2400 SEAs 3560 0600-0750 SEAs 3560 7580 9820 1800-2000 NAME/af 3560 6398 9977 9510 11535 1000-1050 LAm 3560 7203 9768 2000-2150 Europe 3892 6576 9420 (Nagase, FEDXR) Since late Jan, clandestine Voice of Revolutionary Party for Reunification has new sked, w/ English at 2230-2300 on 4557; and 1400-1430 on 4120 and 4557 as of 27/1 (Nagase, Ugusa, FE)

JAPAN For M77 R. Japan replaces 9525 with 15270; that may help (Bob Zimer, WI) Referring to 2345-2445 xmsn, I believe (gh)

ISRAEL Tentative but fairly finalized M77 IBA sked; see also Other Schedules.

0500-0515 Nam 7412.5 9815 11655; AuNZ 12045 2230-2300 Nam 7412.5 9815 11655
1200-1230 WEu/ENAm 11655 15100 15485 17685; As 15512.5 EUSA/Carib 9435 GREBCE;
2000-2030 WEu/ENAm 7412.5 9815; Waf 9425; SAF 9009 15512.5 (Larry Magne, PA) below

EGYPT Cairo's "Voice of Africa" pgm to C&SAf 1715-1845 now on 15255 ex-17890 (BECMS 27/1)

CHILE La Voz de Chile announces English sked as 0930, 1050, 1210, 1430, 2030, 2250, 0110, 0210 on 9565, but also the 19, 25 and 49m bands are announced (Hermann Jüger, GFR, SGDX 8/2)

CANADA CBC NS sked 0000-0606 on 6065, heard on unannounced 6195 17/1; probably a test to avoid RTVE Madrid QRM then on 6065. Again noted on 6195 9/2. Will CBC sources make any statement on alternate-frequency use policy? Might same be adopted for RCI? (Richard Wood, NY) Noted 19/2 on 6195 and announcing it; much stronger than it ever was on 6065; I would like to think an added xmtx to cover USA with HS, but perhaps just a fluke. M77 sked shows it retained for evenings, but 6065 in mornings. Changes anticipated last fall shown in winter/spring sked only partly come true in just-issued RCI xmsn sked. At 0200 and 0300, 6000 is retained, not 6065 while 9535 does replace 9605. At 0300 and 0400, 5960 remains, not 6045. Daventry forces relay at 1145 stays on 9635, not 9560. At 1400, 17820 is replaced by 17790, not 17740; Daventry 1530 relay does replace 7235 with 11935. At 1830 and 1930, 11865 is retained, not 11855, but 9620 switches to 9685. At 1900, Daventry 9625 ex-9685. And at 2000, 250 kW on 11865 ex-50 kW on 15290. Other English freqs to remain unchanged from D76.

BURMA BBS at 1430-1600 is heard on 5979 ex-5985; slight KGEI-5980 QRM (Bunn, RADX 6/2) (gh)

ANGOLA (Cf Jan LN-4) It has been established that RNA's 1145 news is not transmitted on Sun days (BECMS 20/1) Well, is there something else in English or no English at all Sun? (gh)

PORTUGAL RP's 0230 to Nam has been retimed to 0300-0330, 6025/11935 (BECMS 10/2)

GREBCE VOG to Japan 1015 is on 9530 ex-11760 // 15345 (BECMS 10/2)

KOREA NORTH RP sked agreeing except: 0500 on 3890 not 3560; 2000 on 6575/3890 not 6576/3892; 2300 on 3890 not 3560 (BECMS 1/77)

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OTHER SCHEDULES

YEMEN SOUTH Aden DS now runs 1100-2030* ex-2200, on 11770/7190/5970/5060 Arab exc 1612-1622 Per (BBCMS) YEMEN N LN-9

VIETNAM VOV Pgm-I on 4932 moved to 4944y (FEDXR, Ugusa, 25/12) On 4946 1100-1600 ex-4950. Viet Bnc on new 4092 ex-4103 at 1100-1400* (Mike Willis, Vic., 4/2) Is on 4093-6, 6903-5 to 1430* (Ugusa, FEDXR) Tay Nguyen has new Chinese pgm at 1200 on 7512/9837 ex-9840 (Willis) While any frequency variation is of interest, a 3 kHz difference could be nothing more than sloppy transmitter tuning, not a deliberate replacement as you reported, Ino? (gh) On 22/1 VOV FS was heard on 10010 in Russian 1630-1700 // 10040. 10010 was replaced by 10224 in late 12/75 or 1/76; it had been used for a few months as HS pgm-II, replacing Liberation Radio (Isao Ugusa, FEDXR)

USSR R. Minsk's HS Pgm-II "Krynitsa" is on 11975/11905 in addition to 9560/9545 (BBCMS 27/1) Okhotsk, a FE site near Magadan, operates on 9600 24h exc. 1300-1400, mainly relaying HS-1A and Mayak. Hrd occasionally in ENAM around 0030. This is the transmitter formerly on 12240, and possibly thought to be Magadan, but IFRB lists site as Okhotsk. Ashkhabad reappears in the M77 IFRB sked on 9510 at 1300-1630 to S/SEAs and 11890 1300-1700 to SEAs ex-Yerevan. Tallinn listing on 17805 changes to Tbilisi 1000-1330 to EAF (Roger Legge, UHN 2/77)

USA WYFR M77 to Ams, Sundays only 1300-1600 Spanish 17730/11705/15215; rest daily; 2100-2300 Spanish 15130/17845, 2300-0100 11855/11715/11855/15215; 0100-0200 11715/11855/15215/9525; 0200-0500 9715/5985/9555/9525. 2300-2400 Russian, 0000-0100 German on 15130. The last 10 mins of each hour is an English lesson; entirely English 0100-0500 on 6155 (gh)

TUNISIA RTT has returned to 7225 from 7275 (BBC World Radio Club 2/2) 0458-2200 (BBCMS 10/2)

SYRIA Damascus ES in German, French, English 1800-2200 on 9300 are announced as 9665 (BBG)

SWEDEN R. Sweden SSB tests continue M77 as follows: 0500-0800 17775; 0900-1500 21680; 1400-1800 21690; 1800-2000 15190; 2000-2130 11770. At 0900-1400 R. Sweden FS pgms are broadcast at other times, HS Pgm-I. Reception reports are highly appreciated (SGDX 8/2)

SA'UDI ARABIA The Riyadh "Holy Qu'ran Station" now operates at 1400-1700 on 15370 to S&EAs; 1700-2200 on 11960 to N&CAF (BBCMS 27/1) Jiddah Swahili 1600-1655 21525 ex-21520 (BBCMS 10/2)

ROMANIA On Sun 23/1 R. Bucharest ES xmtrs on 9570/6190/5990 carried an unsked Rom. pgm at 0915-1010, including messages for trawlermen and other items; possibly a once-a-week pgm for Romanian seamen (BBCMS 27/1)

NICARAGUA LN-9

NETHERLANDS Unlike some stations forgoing out of band, hoping no one will notice, R. Netherlands has been announcing on DX programs its tests on 9895. Besides the times on LN-2, M77 sked 1230-1350 Spanish, 1530-1645 Dutch, 1700-1820 Dutch, 2000-2120 Spanish, 2300-2420 Spanish (via gh; Wegener, IL) Noted *2300; informed source says this is justified by ITU reg. 115 permitting SWBC o.o.b. if no QRM complaints received (Magne) Heard at 1700-1820. The Netherlands join the increasing roster of Western countries operating outside the overcrowded, jamming-prone bands, after Britain, USA, Canada, Israel, Spain, etc., etc. (Wood, NY)

MOZAMBIQUE R. Mozambique, Maputo, HS Pgm-A hrd on 11830 from 0500 to f/out, not the sked 11820 freq; other freqs are 15308/7239/6115/3210 (BBCMS 20/1)

LEBANON Beirut Arabic HS on 989/836 since 20/1 on new HF 11915 from 1900 to about 2215. The xmtr leaves the air abruptly without annnt shortly after 10-min nx at 2200 (BBCMS 27/1) I copied the freq as 11910 on BBC WRC 2/2, but may be mistaken (gh)

KUWAIT RK on 11990 ex-11825, at 0815-1130 (BBC World Radio Club 2/2 via gh)

JAPAN VOA-Okinawa heading into home stretch, due to be closed in mid-May. Here is M77 sked: 6010 15 1045-1500 NEAs 7160 35 2215-2300 NEAs 7165 35 1045-1500 Phl 7255 35 2115-0045 China 6075 35 2115-2200 NEAs 7165 35 1045-1500 NEAs 7255 100 0945-1600 Chn 9560 100 2145-0030 China

ISRAEL IEA M77 tentative Hebrew HS "B" Reshet Bet, light network, hl power to Nam underlined 0400(Sat 0500)-0610 7465 9250 11625; 0610-1800, 1830-2000 12077.5 15545; 1800-1830 12077.5 as HS "A" Ladino/Mograbl split on 11645 NAF, 15545 Ba; 2000-2305 7465 11625 12077.6. Hebrew OS to Eu 1830-1900 on 9630 11700 11780 11960 12025 15100 15230 15240 15405, plus 15512 5 to SAF. Arabic HS remains on 5915 unchanged (Larry Magne, Ph)

IRAN NIRT HS Pgm-I operates continuously in Persian; frequency usage:

| | | | | | |
|-----------|------------------------|-----------|-------------------------|-----------|--------------------------------|
| 0030-0230 | 15085 9765 9022 | 0900-1330 | 17730 15315 15135 15085 | 2030-2230 | 15085 9022 |
| 0230-0430 | 9022 | 1330-1630 | 17730 15135 15085 | 2030-2140 | 11930 7215 |
| 0430-0630 | 15315 9022 7135 | 1330-1430 | 15315 | 2230-2430 | 9765 9022 |
| 0630-0828 | 17730 15315 15085 9022 | 1630-2030 | 15085 11930 7215 | | (BBCMS 12/76) |
| 0828-0900 | 17730 15315 15085 | 1630-1725 | 9022 | | For completely different, LN-9 |

HONDURAS R. Swan back to 6000 from 6015 (Bob Padula, R. Australia DX 6/2)

GUAM M77 TWR sked for new xmtr, if ready for operation is 11705 1100-1300 to China; 9510 1300-1400 to SEAs (Roger Legge, VA)

GABON LV de la Renovation French HS is on 7272 0700-1230, including no news between the summary at 0700 and the full-length bulletin at 1200 (BBCMS 20/1)

EGYPT R. Caire's French to Nam at 0100-0200 had not been heard recently. It has now been observed to be retimed at 2315-2415, following English to Europe on 9805 (BBCMS 27/1)

CYPRUS R. Bayrak, the Turkish-Cypriot radio service observed on 6145, not sked 6155 (BBCMS)

CHINA R. Peking Esperanto to SEAs 1230-1255 Sat/Sun only now observed on 9390/11980. Italian to Eu 1100-1125, repeat 1130-1155 on new 9030 (Richard Wood, NY, 2/2) CPBS uses new 4180 for Pgm-I until 1300, then changes to 4190. New Pgm-I outlet found 22/1 1145 is 6490; new outlet for Taiwan pgm is 3360, found 15/1 // 3830/4770/5125/6790/9170/11100/15710/15880 (Hiroyuki Nagase, Far Eastern DX Review) Do you prefer spaces, commas, slashes as above? (gh)

CAMBODIA Phnom Penh 2/2 on new 11938 1100-1300 // 4907 all in Cambodian. QRM includes R. Australia on 11935. I'm pleased with this (Mike Willis, Victoria)

BULGARIA R. Peace & Progress 5915 // 7325 etc. sked in Creole 2300-2330 some nights carries R. Moscow rx in standard French 2300, switches to Creole commentary and pgm about 2310. However, other nights has R&P Creole rx 2300. First example of intermingling of Moscow & R&P programming, thus proving their identity? (Richard E. Wood, Adelphi University, 9/2)

ANTIGUA DW 6085 at 0200-0550 in German now from here, rather than Canada (cf Feb LN-2) or Germany, as first heard 3/2 (John Wegener, IL) The second DW Antigua tx went into operation 1/2. The M77 sked for it, all German except Spanish at 1000; 2200-0150 Sam 9680, 0200-0550 Nam 6085, 0600-0950 Cam&C 6085, 1000-1130 Cam 6085. 1200-1220 Cam 11810, 1300-1320 & 1330-1350 Nam 11810 (Roger Legge, VA) DW noted for first time out-of-band on new 12000 in German to Nam/ESAm 2200-0150 on 6-7/2, at first mixed VNG // new 9680 which is now consistently in use (Richard Wood, NY, 9/2) Not found on 12000 15/2 at 2221 check (gh)

ANGOLA R. Nacional de Angola in the past closed 9535 at 1600; now, however, it is continuous 0500-2400 (Richard Ginbey, Vanderbiltpark, RSA, via SCDX 1/2)

ALBANIA For the first time noted using three transmitters simultaneously for a Peking relay viz. Spanish to Lam 2300-2355 on 6135/7120/9500. All scheduled Tirana xms also noted then ...increase in number of xtrs in use? (Richard Wood)

ZANZIBAR LN-9

MISCELÁNEA RADIAL

VIETNAM (Cf Feb LN-4) The BBCMS recently reports VOV replacing Malay with Indonesian, this alteration was carried out in mid-July 1976 at the latest; my log shows there was already no Malay service on 15/7. Malay ID, "Inilah Radio Suara Vietnam, Hanoi, dalam Bahasa Melayu," is different from that of Indonesian, "Inilah Suara Vietnam dari Hanoi, ibu kota Republik Socialis Vietnam". (Isao Ugusa, FEDXR 25/1)

USA (Cf Jan LN-6) Your 3080 item sounds like a drive-in movie to me. They use a low power xtr and direct patrons to tune in the sound track on their car radios, and it was likely you had the harmonic of 1540 (Bob Foxworth, NY) Makes sense, except local expert says too much QRM to operate inband and the only one in east TN is on 530 (gh) WREM, Cambridge MD. hrd on 2480, 2 x 1240, 4/12 1132-1141, ads, IDs, wx, fair; WZKY, Albemarle NC, hrd on 3160. 11/12 1220-1230 (Sam Barto, GT, New England DX Society via Sam Barto, NNRG) And Sam also reports at a considerably greater distance the harmonics I previously reported; 2800 WBLK, 3120 WAGG, 3140 WTLK (gh) KBLL, Helena MT, 2480 2x1240, 0245 30/1, 5/2 (P. Schnabel, Sask.)

USSR If you hear a "Radiostantsiya Urozhai" on 6090 Tue/Thu 0525, it's just a program on Irkutsk (Takahiro Saito, FE DX Review 25/1)

UKOGBANI/MALAYSIA BEC is feeding its Tebrau site via Satellite 24 hr/day. Goes via Goon-hilly Downs to the Indian Ocean satellite to Singapore and by line to Tebrau. This is to make up for the difficult winter period due to low MUFs, particularly at 2200-0015, and during the sunspot low period, but it will not be done permanently (B. J. Bale, BECWRC 2/2)

URUGUAY Lorenzo Balerio Sicco, 81, owner of El Espectado (sic) radio station in Montevideo, and founder and first president, 1946-48 of Inter-American Association of Broadcasters, died in Montevideo 26/12/76. He also founded National Association of Broadcasters of Uruguay in 1933 (Broadcasting Magazine, via Kevin Mikell, IL)

THAILAND On 25/12, R. Thailand 9654 heard with continuous sportscast 1120 past 1345 in Thai. The game was Thailand vs Malaysia. Possibly a mis-transmission of HS, as back to FS subsequent days. What's more, on 15/2/76, I heard on 9654 the Thai TV Co., Thw Taw Taw, which broadcasts only on 96.5 MHz FM--one of my best and the most memorable receptions ever in my DX life! (Isao Ugusa, FEDXR)

PORTUGAL! (? -gh) Lisbon HS 11925 went off today (postmarked 31/1 -gh) at 1930 in middle of a song --- 4865 came on at 1934 abruptly, in middle of a song. These must be same transmitter - and 4865 therefore in Portugal. Last week when 4865 was not on for several days, 11925 was running later instead of going off at 1930 (Roger Legge, VA) Subsequent monitoring shows the news does not appear to be relayed off the air, tho it was when I previously reported it. And it would appear the same xtr is used on 11925 and 4865--but maybe 11925 is in the Azores. Let's face it--all the evidence so far in both directions is circumstantial. (gh) R. Mozambique's Portuguese service has been heard on 4865 from 1900 past 2400 (Finn DX 5/2) Having it in Mozambique would be a nice compromise, but highly unlikely (gh)

POLAND Warsaw is being heard in Swedish at 1130 on 11990, which is the 2nd harmonic of 5995 (Noel Green, BBC World Radio Club 26/1 via gh) PHILIPPINES LN-9

NORWAY In a 2/2 letter, R. Norway informed me they had an antenna breakdown at their SW plant some time ago. That was the reason why reception was so irregular. Said they hoped to have it fixed in 2 or 3 weeks or by the March frequency changes. Their main frequency during the day will be 15175 (Bob Zilmer, WI)

NORTH SOLOMONS Today I received a QSL letter from Aloysius Rumina of the former Radio Bougainville. He informs me that the new name for the province is now North Solomons Province. The new name for Radio Bougainville is now Radio North Solomons (Chuck Mitchell, IN)

NIGERIA NEC's 4990 frequency has been in use for many years. But the 20 KW xmt for the frequency has just been replaced with 50 KW transmitter. This might have given rise to a frequency drift whereby its programs is now being picked on a frequency of 4900 KHz. An official announcement on this will be made in due course (R.L.A. Oise-Oghaede, S.T.O.--Monitoring--; NEC Lagos, 12/1 QSL letter to Barto, CT) Unconvincing (gh)

MARTINIQUE FR3 heard 3/12 in French 1153-1208, accordion mx, 1200 nx, ID; faded in and out; 2 x 1310 (Sam Barto, CT, NEDS) LUXEMBOURG 15335 ex-15350 0700 25/1 (Padula TDXN) LAOS LN-9

INDONESIA On 4699, at 1359, ID as RRI Yogyakarta, then relayed Yogyakarta news // 5047 and 4600; 1410 ID as RRI Surabaya, still // 4600. After 1430, 4600 was no longer // 4699; on 9/1. Either 4699 was relaying RRI Surabaya or it is now an RRI outlet (Bob Bodell, OR)

GUYANA (Cf Feb LN-1) I have checked 16454 on several days between 1500 and 1800 and frequently find an open carrier. But on 26/1 at 1535-1600 they had a continuous voice mirror for Cable & Wireless, West Indies, Ltd., at Georgetown (Hadley Cress, VA) Yes, I figured it was C&W Ltd relaying GBS; however, at least two DX editors I report to discovered that 16454 is almost the 5th harmonic of 3290, but is just coincidence (gh) GUINEA-BISSAU, FRANCE LN-9

EGYPT R. Cairo's General Arabic service on 9850 has been noted 2200-2300 with a jammer on it, a 2-tone AM carrier, the beep-beep type. I believe this may be a Soviet jammer because Egypt put down a communist uprising in Cairo within the past few weeks (Eric Falkenhan, NJ)

ECUADOR HCJB has been putting out some incredibly raunchy spurs from its 9560 xmt. On 4/2 noted one around 9700 at 0100 which was as strong as Cuba-9685; a less objectionable one QRM ed DW-Antigua 9640 at 0230 6/2 while 9560 was heavily overmodulated (John Wegener, IL)

EASTER ISLAND (Cf Jan LN-1) Per letter received during my days in Hawaii, the military-operated station on Easter was then known as Radio Rapa Nui and was on 610 kHz only. Supposedly signed on at dusk, but never heard in Hawaii. Phonetic similarity between Rapa Nui and Manchens is, however, tenuous (Richard Wood, NY)

DOMINICAN REPUBLIC On 3120, R. Pueblo hrd at 1050-1200 in Spanish with 14m mx, vocals and clear ID; 2 x 1510, on 15/12 (Sam Barto, CT, NEDS) More on LN-9

BRAZIL Why did R. Mauá resume using the name R. Ipanema, which it used before WW II? (Rogildo F. Araçá, Brasília, DX Clube do Brasil, Aug-Sep 76, via Sam Barto, CT, NNRC)

ALGERIA 8060v is this 1910-2400* obviously defective xmt (Magns, PA. ID via Noel Green, UK. tip from Al Roth, CT) Heard in Arabic on 8062, not a harmonic; but Algiers also heard on 12320 in Arabic before 0900, in French to 1200*, 2 x 6160 so is a harmonic. (Noel Green. WRC 26/1) The 8058 xmt follows the sked of the listed 7195 outlet (Green, WRC 2/2) 8062 works out to be the 32nd harmonic of 1W freq (Green, WRC 9/2) Not quite: 251 x 32 = 8032 (gh)

FUTURE PLANS

VENEZUELA R. Capital. Caracas will soon raise power on 4850 from 1 kW to 10 kW per a letter from stn(M. Ward, England, SCDX 18/1)

VATICAN The largest rotatable antenna in the world should go into use by VR this summer. The increased signal strength may bring down further jamming; already a Czech publication has stepped up attacks on VR (The Observer on Sunday Morning, CBC NS 20/2 via gh)(AP via Wirt)

USA WYFR's FCC-approved new transmitter site will be about 16 mi from Lake Okechobee in central FL. This move is to be accomplished in several phases. Construction for the first phase is well underway, with the erecting of the building to house our transmitters. Also in this beginning phase will be the construction of two pairs of dual rhombic antennas which will beam the signal to Europe and Latin America. Additionally a new 100 kW xmt will be installed. One of the advantages of this move is that we will obtain more space for antennas. In Scituate we have 40 acres, but approximately 660 acres are available in Florida. Another advantage will be the replacement of older equipment with newer and more efficient facilities for an overall improvement in the quality and strength of our transmissions. This move will utilize BOTH transmitter sites in the beginning stages. (WYFR release via Jim Conrad, IA, emphasis added, and minus the 'praise the lord and pass the soup' blarney)

PANAMA All DXers and SWLs around the world are requested to write me and express their wish to listen to SWECs also from Panamá. I will then push on the officials in Panamá in order to persuade them to realize these wishes (Manuel Antonio Varela, CDXL-Info Service, Edif. Carmana, Apto. 22-B, Vía España - Porejil, Panamá 4 Rep. Panamá, via SCDX 8/2)

NETHERLANDS (of Feb LN-6) The budget of RNW will be cut by 5 megaguilvers during the next three years. 2 megaguilvers will be reduced on the new Lopik xtr site, and 1 megaguilver less will be spent each year on programmes. Some of the staff will have to be dismissed, and a planned expansion of services in additional languages will not be possible (Heins-Peter Stumvoll, Vienna, Austria, SCDX 18/1) DX programs will not be affected (gh)

JORDAN At a 20/1 meeting of the joint Jordanian/Syrian Information Committee, it was decided to increase the duration of the joint radio transmissions, particularly during national events, and both radios were called upon to make the best possible use of available transmitters to reach the greatest number of listeners abroad. It was also decided that the Jordanian and Syrian radios should immediately initiate engineering studies on relaying the Damascus radio's Hebrew programme, on one of the wavelengths of Amman radio (BECHS 27/1, whose editor adds: currently sked at 0500-0615, 1400-1530 on 7105)

ANTIGUA The second xtr for use by BBC is expected to be in operation by approximately mid-summer 1977 (Richard Wood, NY, 2/2)

ANTARCTICA At Argentina's Marambio Air Base, a broadcast radio station is being mapped out and the foundations being laid. Among many other developments is a 200-bed hotel, and the area may become a tourist attraction (Joanna Osmang, Wash. Post 23/1, p. A7 via Overcamp, SC)

ELEVEN METRES Docket 20271, third notice of inquiry was released by FCC 6/12/76, regarding the 1979 World Administrative Radio Conference. There are no proposed changes to the SWEC bands between 120 and 11m except for one minor deletion. In the unused 11-m band, 25850-26050 kHz is proposed to be reallocated to radio astronomy (Tom Sundstrom, NRC DX News 14/2)

DX PROGRAMS

USSR Re R. Moscow's proposed DX club in the N/A svcs, a number of suggestions by James Young, Wrightwood CA, are being circulated to knowledgeable people for approval (R. Moscow DX 10/2 via gh)

USA KGEI has a DX program in Japanese on Tuesdays at 0813-0826 on 5980 (A Japanese BCL folder probably dated 5/76 via Bob Brown, NY) The DX Club del Uruguay will shortly begin producing a DX program on VOA (Alejandro Dopeso, Montevideo, via DX Clube do Brasil Aug-Sep 76 via Barto, NNRC) Has anyone noticed such a program, presumably in Spanish pga? (gh) (Cf Jan LN-9) In addition to the net of ECB DXers at 0700 Mon on 3900, another operates Mon at 0400 --presumably during DST at 0300-- on 3835. Check-ins so far include K4PNR, W9BG, K0SBV, WA2-RYT, and WB2YA (NNRC 2/77) **UK** BBC has new Portuguese DX pga (SCDX 22/2) **SWAZILAND** LN-9

SOUTH AFRICA Radio RSA must think the DX Corner is pretty important, as it is being relayed off the air via a feeder from wherever editor Gerry Wood happens to be (gh) **SEYCHELLES** LN-9

PHILIPPINES R. Veritas DX pga, "Listeners International" is heard every Monday at 1450 on 9645/11780/15230 (Victor Goonetilleke, Sri Lanka on R. Nederland 27/1) Is at 1440-1500 Ms. Evelyn Salvadora runs the pga and writes the script (Leonardo Mayo, RV Frequency & Monitoring Section, via SPEEDX 2/77) Every month there are seven prizes to be won by lucky contributors to the DX pga (any or all of 5 mixed-in SCDX reporters, 8/2)

NORWAY R. Norway has a DX pga on the first Sunday of the month at 1400 (Gedric Hawthorne, Thames DX Club via HGJB DXPL 13/2) This is either a very out-of-date and no longer correct item, or a very new development (gh)

NETHERLANDS RN's new Portuguese DX pga's time varies within the Radio-Scoop's pga, e.g. 3/2 at 2313-2322 on 15425, 2358-0007 4/2 on 9715. Supposedly weekly, it was skipped 10/2 and on 17/2 transmitter trouble obliterated both transmissions (gh) **ANTILLES**, actually (gh)

ITALY Radio One, one of the many new private stns, is the first with a weekly DX pga; Thu at 1505-1530 local (1405 winter, 1305 summer -gh) from Firenze on FM 93.3 and 100.92 (SCDX)

GERMANY WEST La Voz de Alemania has a new DX pga, on the 3rd Sundays of each month after the pga "Correspondencia con Mónica" (YV-Zulia DX Club, 3/76 via Barto, CT, NNRC)

GERMANY EAST RRI had a Spanish DX pga 3/8/76 at 0115 on 6040 (Cláudio Moreira Lima, DX Clube do Brasil, Aug-Sep 76 via Barto, CT, NNRC) 3/8 was a Tuesday GMT (gh)

FINLAND R. Finland's "Finn-DX" is on the first Saturday of the month, repeated following Monday (DX Juke Box 27/1) Starts about 5 min into xmsn, 1335, 1435, etc. (gh)

EGYPT R. Cairo has a DX pga Mondays at 2245 (Ontario DX Assn, on HGJB 3/2) On 9805, sked shows "Listeners Club" at 2235-2300 (via Mike Bolitho, Ont)

ECUADOR Roger Stubbe is back in Quito, hosting Passport 4/2, and interviewed on DXPL 6/2. I wonder if the Spanish DX pga is back on Thus at 0145? (John Wegener, IL) Not when checked 17/2, but may be sked at another time; little publicity on it previously (gh) MORE on LN-9

BULGARIA Final R. Sofia DX pga each month includes propagation predix for next month (gh)

ARGENTINA The announcer on RAE's "Diximo Argentino al Mundo" is the new Director of RAE, Lt. Col. Carlos A. Alais Rumbado (Carlos Maslatón & Roberto Iglesias, ADXCI 9/76) It remains wise to tune in around 2250 on 11710 for the Sat. 2300 airing. Early start conveniently ends it before R. RSA DX Corner usually starts the it's sometimes early too (gh)

PROGRAM SCHEDULES

(Program Reviews, expressing opinions, are no longer permitted in FRENDX, but will appear in my independent publication, as explained on LN-1 --gh)

USA Those who enjoy David Legate's commentaries on RGI Weekend Magazine, but may have missed some of them, may now hear them on WUOT, 91.9 MHz, Thursdays at 1826 (gh)

UKOGBANI BHCWS, to compensate for a costly London Calling, has added a monthly programme allowing different announcers to select for preview some of the following month's highlights. March was treated Thu 3rd 1330, repeated Fri 4th 0330, 1945, and April programmes are to be previewed at the same times on 31/3 and 1/4. Among our recommendations for March are: **Responsibility in Broadcasting**, Sun 20th 1709, Tue 22nd 0030, Thu 24th 1130. The **Brain of Britain** quiz series resume for a weekly run beginning Sat 26th 1215, Thu 31st 1830, Fri 1 April at 2330. **Beethoven--the Artist as Hero** marks the 150th anniversary of his death, Sun 27th 1709, Tue 29th 0030, Thu 31st 1130. **The Tomb Robbers** of an Egyptian village are the subject of a documentary Wed 23rd 1430, Thu 24th 0030, Fri 25th 2030. (London Calling via gh)

PHILIPPINES Dept. of Public Info. Overseas Broadcast Programs on 6170/3286/9615 has this daily sked, in two airings at 2048-0100 and 0848-1300: (Barto) 2315 1115 This is Philippines 2048 0848 Anthem, S/on Spiel 2150 0950 Hands Across Seas 2345 1145 Philippine News 2100 0900 Program Preview 2220 1020 Philippine Prospects 0000 1200 My Around the World 2105 0905 World News 2230 1030 Music of Asia 0030 1230 Manila Calling 2120 0920 Music Philippines 2300 1100 ASEAN News 0057 1257 S/off Spiel, Anthem

JAPAN Selected FEN pgms on 3910/6155/11750/15260: Sat 1505-1700 American Top 40, 2205-2300 Amen Corner, 2305-0100 Sun Weekend, 0405-0500 First Hearing, 0705-0900 TOKYO Calling, 1205-1255 Golden Days of Radio & Mystery Theater; 1315-1400 Live at Club. Sun-Thu: 1505-1600 Wolfman Jack; Mon-Fri: 0105-0200 Charlie Tuna, 0205-0330 Local Show, 1105-1200 Roger Carroll, 1355-1400 Vincent Price. Sat 0030-0100 Star of Space, 0105-0300 American Top 40, 0405-0600 Weekend, 1205-1230 You Are There (BGL Guide, probably 5/76 via Bob Brown, NY)

HUNGARY R. Budapest listener participation features topics: Treble on a Topic, 13-16 March in Sun 0200 xmsn, 1030, 2130, Mon 0300, Tue 1030, 1200, 1430, 2130, Wed 0200; unique hobbies, angling clubs and competitions, electronics as recreation. At same times 20-23 March, Floor is Yours--can corruption be eliminated from any society? And at same times 27-30 Mar On the House, covering stamp issues, soft drinks, wine consumption, American movies, cost of arms, street names, top vocalists. Reports, rotating Wed 1200, Thu 0300, Fri 1030, 1200, 1430, 2130, Sat 0200, 9-12 March on Hungary and The Who; 16-19 March on The Electronic Industry; 30/3-2/4 on the TV Series of the Book--Mercy. Looking into the Future runs month long on Mon 1030, 1200, 1430, 2130, Tues 0200, 1200, Weds 0300. Also all month long is a series called 1827-1977 Beethoven & Hungary: Thu 1030, 1200, 1430, 2130; Fri 0200, 1200; Sat 0300. Some NASWA names are recognized in the list of those suggesting feature ideas during March, e.g. Edmund N. Ricchezza, PA, but who suggested what is not specified (Budapest International, via gh)

EGYPT (Of Aug LN-7) R. Cairo has made the following changes; rest same. Mon 2205 Arab Music Groups, 2300 From my Notebook, 2305 Cultural Talk. Wed 2205 Flash Back, 2210 Quiz Time, Part I; 2235 Egyptian Figures (sic), 2245 Arab Music Groups (undated sked via Bollitz, Ont)

BELIZE R. Belize, 3285 noted in mornings, 1110-1135 including an agricultural program called "Tillers of the Soil", 10/2 (Lauren Ware, VA)

PUBLICATIONS

DXing Earth (or, How to DX Earth Broadcasts from Outer Space), is the cover story in the 4/77 Popular Electronics, written by gh.

It explores the obstacles and the real possibilities of DXing Earth from, for instance, the Moon; and covers which broadcasts are likely to be receivable by more distant aliens. The DX Listening column I also write for PE is to be bimonthly henceforth--Mar/May/Jul/Sep etc.

The Dangers of DX Overspecialization, and How to DX Mediumwave without an AM Receiver, was the original title of gh's contribution to the 1977 Communications Handbook, now on sale. The illustrated article deals with much more than harmonics.

Anti-Matter, a novel by C.M. Stanbury, you might pick up if you're really a freak on the subject of R. Americas/Lee Harvey Oswald, from Dustbooks, Box 1056, Paradise CA 95969, for \$2.95 plus 75¢ postage (Stanbury, SWNS)

Those Mysterious Sunspots, by John A. Eddy appeared in TV Guide, 29/1, accompanying the PBS program Nova on "The Sunspot Mystery" aired 2/2, dealing primarily with weather, but some applicable info on solar wind, flares, the Maunder minimum; to be rerun sometime (Wegener)

QST is running charts of predicted MUF-vs-time for E/G/WNA to 8 parts of world, plus a couple for long-path. The meant for hams they are definitely useable by SWLs. These are based on a solar flux value of 70, and are changed monthly (Wegener, IL) Beginning in Feb issue and will publish for one year. But this is HF stuff, definitely of no interest to the real DXer (Overcamp, SC) Feb QST also has an article on converting a BC-221 to transistors and 9v battery for instant service with no warm-up. Transistors are put into octal sockets and there is minimal rewiring. They claim the same calibration (Overcamp, SC)

Idents & Interval Signals series and Foreign Language Recognition Course tapes are still available to SWLs and DXers thru the Canadian, American and British branches of the Handicapped Aid Program, altho the Radio Canada SW Club program is no longer a part of the SW scene. The Idents series, now available on 3 cassettes, or reel-to-reel tapes, contains almost three hours of ISes, anthems, signature tunes, etc., from some 100 SW stns in Africa, Europe, Asia, The Pacific, The Americas and the Caribbean. The Foreign Language Recognition Course consists of spoken examples of some 55 of the different languages which can be heard on SW, with comments by noted language expert, author and DXer Dr. Richard E. Wood. The course runs about 83 minutes. Proceeds finance various projects and activities of the HAP. Special sale prices apply until 30/4/77 postmark, and are for cassettes only: Tape-1, Africa, \$3.00; Tape-2, Europe, \$3.50; Tape-3, rest of world, \$3.50; Tape-4, languages, \$3.75. Or, 1, 2, and 3 for \$9.25; 1, 2, 3, and 4 for \$13.00. Personal Cheques cannot be accepted; please pay by bank or postal money order made out to Handicapped Aid Program, in US or Canadian funds sent respectively to: Wayne A. Davis, HAP-US Director, 27 Cleveland Ave., Trenton NJ 08609; or Bill DuLmage, CHAP Chairman, RR3, Colborne, Ontario K0K 1S0 (Ian McFarland)

Language Choice in International Radio Broadcasting is the topic of a paper to be presented by Richard E. Wood in a program during the annual convention of the International Studies Association at the Chase Park Plaza Hotel, St. Louis MO, 16-20 March 1977. The paper will be part of the session on "Language Barriers as a World Political Institution: Who Gets Across What, When, How," on Fri 25/3 at 10:45 a.m. in the Chase Park Plaza. The paper will be available for purchase from the ISA, University Center for International Studies, University of Pittsburgh, Pittsburgh PA 15260 (Wood) So, area DXers are welcome to attend? (gh)

Far Eastern DX Review price for nonmembers of JADX--and that means just about everybody--hi, is US\$20 for one year by air, US\$15 by surface; samples for US\$2 or 8 IRCs, if ordered from JADX, POBox 1766, Tokyo Central, Tokyo 100-91, Japan (Gib Junjun, 18/1) Issue #4, dated 25/12/76 includes the usual detailed summaries of Asian broadcasting developments, especially Voice of Thai People opening announcements in Thai, transcribed Thai, English, Lao program in Lao alphabet, and Lao program in Thai alphabet. And, a detailed explanation of the phonetic system for transliterating Thai words into Roman alphabet. Also, a complete sked of R. Pyongyang; program skeds of Magadan, Anadyr HS. Featured in #5, dated 25/1, is a band survey of Chinese stations on 4000-5500 kHz at 0900-1600 GMT 23 and 24 Jan. And monitored program skeds for Yuzhno-Sakhalinsk, Irkutsk; a feature on the Soviet satellite-fed TV system. Each is 16 pages packed full of much originally researched information, a fine blend of the scholarly and the DXerly (gh)

CLANDESTINE CRANNY

Radio España Independiente has been noted on 10010 kHz at 1600-1800, with usual programming of endless commentaries with short music segments between. Their IS was noted at 1800--tune played on the celeste. This freq. was // 12140. 10110 wasn't heard when 10010 was in use. 12140 was jammed, 10010 wasn't (Eric Falkenhan, NJ, 29/1) Confusing numbers, maybe they punched up the wrong ones by mistake; see also LN-3 for Vietnam's use of 10010 (gh)

Asia Some info, mostly known in DX circles already appears in a book by Chalmers Johnson, "Autopsy of Peoples War", Univ. of California Press, 1973. The Voice of the Malayan Revolution was begun in 1969 and is located in the Hunan area; the Voice of the Thai People began its operations in 1962 and is broadcast from Yunnan; the Voice of the Burmese People started broadcasts in 1971 and is also located in Yunnan. I wish Mr Johnson would give his source of the material: (Mike Willis, Victoria) Wouldn't be surprised if it's just BECMS. Johnson was once a regular on the PBS program "World Press" (gh)

The Voice of the Revolutionary Party for Reunification has since late Jan changed sked, 28/1 at 1356 announced as: 2200-2200 Korean, 2200-2230 Korean relay of KCBS, on 4557. 1000-1400 Korean on 4120/4557. For the first time they officially claim to broadcast from Seoul, and the Korean ID is: "Yog' nun Seoul seo bonedurinin tongil hyongyongdang moksori pangsong im ni da" (Isao Ugusa, FEDXR) English sked on LN-2, should be credited also to (Willis, Vic.)

Voice of the Eritrea Revolution, first observed 8/76, extended transmission recently on 9637 to include a pgn in Tigrina at 1500-1530, following 1430-1500 Arabic, both Su/Tu/Th (BECMS)

Voice of Arab Syria is no longer observed at 1800-1855, but since 13/1 has been on 9510 at 0800-0900 in Arabic critical of present Syrian regime. Also noted in progress at 0530 to 0600 closing on 9510 14/1 (BECMS 20/1)

Voice of the Communist Party of Turkey corrected sked on 6200 is 0810-0840 (Sun 0900) (BECMS)

Radio Magallanes, included in R. Paz y Progreso Spanish to Chile 0930-1000 is observed on two additional channels, 17855/17785 (BECMS 20/1)

"Radio Rebelde" On approx. 3850 10/2 at 0115 heard Spanish pop mx, pro-communist commentaries on Cuba and USSR, SIO 444; 0130 ID as "R. Rebelde" but not // 590/600/etc. One of the two announcers was the familiar voice of the 5-digit Spanish numbers lady! I'd recognize the voice anywhere--more evidence the 'spy' station is from Habana (David Crawford, FL)

Pirate? 5896 USB 25/1 only *0502-0510* relaying "Bay Area" commercial stn (Larry Mags, PA)

IN MY OPINIONDON'T YOU BELIEVE...

Contributions will be found in my independent publication, as they are no longer permitted to appear in LN. (gh)
...that DYE items are allowed in LN by NASWA HQ; they too will appear in the indepud (gh)

LAST MINUTE ITEMS

and a few misprints. These are all crossreferenced in the section where they would normally have appeared (gh)

ZANZIBAR RTZ was observed recently on 6005 announcing at s/on in Swahili: "This is the Voice of Tanzania, Zanzibar, on behalf of the Afro-Shirazi Party Government, led by the Revolutionary Council, broadcasting...on 49.95 metres." Previously-used 3339 has not been traced (BECMS 10/2)

YEMEN NORTH R. San'a's DS on 9780/7265/4853 has retired closing to 2110 (BECMS 10/2)

SWAZILAND DXer Colin Miller of South Africa was to be on the TWR DX program 18/12 at 1700 (Goonetilleke, UADX) Check third (e.g. 19/3) Saturday at 0500, maybe still 9590 (gh)

SEYCHELLES DX Postbag was discontinued last March due to lack of staff at FEBA. I offered to do script so program returned in September. Now due to drastic personnel cut-backs they haven't the manpower to get the script I send recorded for the programme. So the last programme is on 5/3/77. It's one of their most listened-to programmes and they know it. Don't waste your money protesting. It's no use as it's beyond their control (Victor Goonetilleke)

PHILIPPINES Station DXH2, Davao City, Mindanao, has been heard testing on 7280 at 0830-0900 and later at 1030 with music and announcements; it's owned by the University of Mindanao, perhaps formerly MBS (Yoshiaki Hayashi, Toru Nakamishi, SODX 22/2)

NICARAGUA R. Bonanza, Mina Bonanza, has been observed on 9580. It announces additional broadcasts on 9520 (BEC Ed. notes not confirmed). Times are 1100-0400 (FBIS via BECMS 10/2) What became of R. Mar, which used to be heard around 9580? (gh)

LAOS A recent survey of Laotian regionals reveals that Savannakhet is on 7385; Xiang Khouang on 5440/4603; Luang Prabang on 8186/6975; and Houa Phan Province radio on 6230/4650. At certain times these stations relay the national domestic service from Vientiane (BECMS)

IRAN Completely different from an earlier sked on LN-3 is this for R. Iran, announced as from 5/2, adhered to in the main, but 9022 is on until approx. 0630. Still radiating DS on 15085 from approx. 0430 to 2030 f/out, the unannounced. 11735 not confirmed. 7230 also carries Arabic to ME 1830-1900, Pushtu 1430-1530, after relaying DS from 1330:

| | | | |
|-----------|----------------------------------|-----------|---------------------------------|
| 0430-1300 | 11745 W. Neighbors, Persian Gulf | 1945-1915 | 7230 W. Neighbors, Persian Gulf |
| 0430-1330 | 11770 Indian Subcontinent | 1600-0400 | 9022 W. Europe, E. USA |
| 0700-1600 | 15260 W. Europe, E. USA | 1630-2040 | 9770 C. & W. Europe |
| 1330-1530 | 9535 Thailand, Burma | 1930-2400 | 11735 E. & C. Europe |
| 1430-1530 | 7230 Afghanistan | 2330-0400 | 9720 N.W. USA (BECMS 10/2) |

GUINEA BISSAU The appeared on 5040.9 31/1 only, Rdf. Nacional on new 4780 to 2359* 3/2 & 9/2, almost as strong as 4865 stn (Pitt McNeill, DC, via TDXN)

FRANCE RFI was to start a Port. service to Portugal on 6/3, coinciding with Soares' state visit to Paris, per a Rdf. Portuguesa HS report (BECMS 10/2)

ECUADOR R. Tarqui, 4972.8, heard 22/1 1130-1200 with a pgn for radioaficionados, reading DX reports, some frn US and Sweden (Phil Schnabel, Sask, TDXN) That was a Saturday (gh)

DOMINICAN REPUBLIC Could not figure out strange noises at times on R. Clarin until Rudy Espinal explained on 27/1 that noise and problems are due to construction of new 3 story addition. First time I ever hrd falling I-beams on SW! (Terry L. Kruger, FL)

INTRUDER WATCH

Despite all the other theories, the Soviet pulsing transmissions are without a doubt over-the-horizon backscatter radar. There's a fairly technical article on this in the February Wireless World; power is said to amount to tens of megawatts. Perhaps the purpose is to identify B-1s. The USAF once discovered that it could differentiate between different types of aircraft by careful analysis of radar but to succeed the wavelength used must be near that of the object scanned--thus the use of shortwave. The 17/2 issue of Electronics magazine has a report on the US OTH system. They are conscious of QRM problems and should keep out of SWEC bands. For some time a Naval research lab in Maryland has been experimenting over the Atlantic with a 50 kW OTH xstr. (David Mackes, MD) Latest other theory is that they're for weather modification on Tesla frequencies, responsible for NAm's frigid winter, by shifting the jet streams; see clipping next page (gh)

DX CALENDARMarch

20 Tunisia Independence Day
21 Iran National Day
25 Greece Independence Day

April (adapted, BDXC/Sunspot) 6 South Africa Jan Riebeck Day
1 Denmark R. Denmark, 58 9 Philippines Bataan Day
Bolivia R. Pio XII, 12 Peru Constitution Day
4 Senegal Republic Day 1960 Bolivia Revolution Day, 1952
5 Dom. Rep. R. Cristal, 11 10 Colombia R. Santa Fe, 39
8 Brazil R. Alvorada, 13 12 Ecuador Ondas Azuayns, 28

Some believe Russian radio signals are sending wintry blasts into U.S.

By Stephen M. Aug
(c) Washington Star
Is our current rash of sub-normal temperatures, crippling the U.S. economy and hastening an energy Armageddon, just another Commie plot? Have the Russians learned how to transmit electric power without wires and thus modify the weather by using the planet as a huge conductor?

For months now, some mysterious Russian radio signals have been disrupting worldwide communications, and a number of Canadians who have been monitoring the signals are speculating that the Russians may have accomplished that feat.

Although they have no proof that these signals involve transmission of electrical energy, the Canadians contend that the Russians may be experimenting with a long-disused process developed by Nikola Tesla, a Yugoslav inventor who died in 1943.

In what he considered his most important discovery, Tesla proved in 1900 that the earth could be used as a conductor of electricity and would work as responsive as a tuning fork to electrical vibrations of a certain pitch.

His experiments succeeded in lighting 200 electric lamps from a distance of 25 miles without wires. Some use was made of it in process for many years in Canada.

Tesla gave a number of possible uses for his equipment, including power transmission, geological exploration, national defense and weather modification.

But much of Tesla's work was never completed, and his ideas remain in his notebooks which are on file in the Tesla Museum in Belgrade.

Tesla's Aide Questioned
Fueling the Canadians' speculation is the report that a Soviet scientist — so far unidentified — spent several months in Quebec occasionally interviewing Tesla's last known living assistant, Arthur H. Matthews.

U.S. scientists working with the Canadian group lend credence to the view of what the Russians may have achieved. One of them is Dr. Rudrija Pavlicic of Ossining

N.Y., a onetime physician who gave up medical practice some years ago and has devoted the past 25 years to a study of Tesla's work and electronics experimentation.

Puharich said the Canadians listed for him the frequencies on which they were hearing the Russian transmissions.

"I took the actual frequencies the Canadians sent me and just worked backwards and came out with the Tesla frequencies," he said.

Puharich — who says most of his research "is in far-out fields: sensory rehabilitation (trying to get deaf people to hear better), the materialization of matter and dematerialization of matter; physical teletransportation systems (moving objects without using rockets)" — insists, however, that there is no proof yet that the Russians have perfected what Tesla began.

He termed "a most important lead" word of the Russian scientist's visits to Matthews.

"Very few people have heard of Mr. Matthews," Puharich said. "You really have to be a super-estoteric in the field to know of his existence. So the fact that a Russian sought him out I felt of great interest."

In a recent telephone interview, Matthews said he had had "a lot of questions from a lot of people," some of whom had "Russian-sounding names." He said, "I've been reluctant to tell them anything that would be important."

But he added that he had heard the Russians

signals; he had gotten phone calls from government officials in Ottawa asking about them and had, in fact, "received letters from all over the world on this same subject."

Sent Arctic Somewhere Else
Puharich would not rule out the possibility that the Russians may be using Tesla's theories for weather modification.

"I think they have a lot of reason to do it," Puharich said, pointing out that the Russians would like to push their cold, arctic air mass elsewhere — perhaps toward America — and increase their own agricultural growing seasons.

According to persons knowledgeable about Tesla's theories, weather modification would be accomplished by regulating the movement of electrically charged particles in the upper atmosphere resulting in changes in the jet stream.

Questions concerning the possibilities of the Russian experiments were brought to the Canadian Department of Communications last winter by Andrew Michrowski, who had been working with a Canadian senator on the question of resurrecting Tesla's experiments as a means of helping alleviate some electric energy problems in eastern Canada.

W. W. Scott, director of operations at the department said that after Michrowski's request for help, all nine of the agency's listening posts were asked to analyze the Russian signals. By this time, however, the Russians, in response to a barrage of complaints

primarily from other European governments, had begun to limit the duration of the transmissions that were causing the interference.

Scott said it was determined that, although the signals originated several thousand miles east of Canada, the monitoring stations noticed that the same signals were heard coming around the opposite direction — from the west — with greater intensity a half hour later.

Scott said that on at least one occasion Canadian technicians observed the signals coming from two different locations — both of them apparently close to one another — at the same time.

Soviet superpower

Contrary to published reports that Soviets are experimenting with energy transmission by shortwave, it's now more than surmise that Russians for months have been experimenting with superpower carriers in megawatt (million watts) multiples for possible shortwave radio bombardment of eastern portion of North American continent from Arctic to Caribbean. Multiple transmitters with total outputs exceeding 2 megawatts, are being beamed by massive antenna array to cover area from Canada's more densely populated eastern area through most of U.S. from Chicago east and into Caribbean land areas.

Latest report last week from Ottawa was that Russian carrier emissions had prompted protests from Canada, U.S., Great Britain and Scandinavian countries, but USSR, as usual, was mum. Highest shortwave broadcast power now used is 600,000 w by Russians and perhaps Dutch and Chinese. Voice of America uses 500,000 w.

One voice?

Fusion of all international and overseas broadcasting services underwritten by U.S. government (Voice of America, Radio Free Europe/Radio Liberty) may become live issue when new Carter administration shakes down to that level of concern. Involved would be roughly \$120 million in funding, divided about equally between VOA and RFE/RL. Entailed would be transfer of VOA from United States Information Agency, with latter, less broadcasting, becoming function of State Department. (Career diplomat, John E. Reinhardt, is slated for USIA directorship.)

In past, move of any USIA functions to State has been opposed on grounds of loss of independence and credibility. Presumably action will come after President Carter, if so minded, names new chairman of Board of International Broadcasting to succeed David M. Abshire, Republican. BIB now oversees RFE and RL and aspires to embrace all external broadcast operations.

**Radio Hanoi Attempts
Madison Ave. Method**

BANGKOK, Thailand, Aug. 7 (UPI)—Radio Hanoi has turned to hucksterism.

The shortwave station that used to feature only deadly serious recitations of pro-Hanoi propaganda has now introduced a listener write-in contest named "What Do You Know About Vietnam?"

One of the questions is: "How many tons of bombs did the U.S. imperialists drop on the Vietnamese people?" Another asks the dates of Saigon's "liberation," the National Assembly elections and the reunification of Vietnam.

If you know the answers (which are, respectively, about 3,941,000 tons; April 30, 1975; last April 25 and July 2), you could win one of 112 grand prizes. Other questions deal with a Ho Chi Minh quotation and the "U.S. obligation in the postwar period."

"There will be a prize for everyone," promises the announcer on the English-language program. "Entries must be received by March 31, 1977."

Winners will be notified next April by radio broadcast.

(above via David Walcutt)

(right, Washington Post

via Tom Overcamp, SC)

(far right, Broadcasting,
7/2, via M. Kent Sidel)

QSL REPORT



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MARCH 1977

The 117 countries reported this month set a new record which probably won't last long considering the way you're pulling in the QSL's. Lack of space prevented me from using all the material that was contributed for this issue, but everyone who sent in items is represented. Here we go....

- AFARS & ISSAS:** FR3, 4780, new FR3 card with sked and date only in 14 days for 2 IRC's. (Willis-KY).
- AFGHANISTAN:** R. Afghanistan, 4000, f/d map card with correct freq and date but wrong time in 24 days for EE rpt, 1 IRC and postcard. (McNeil-DC): 15390, colored map card in 4 weeks for 1 IRC. (Fadula-AUST).
- ALBANIA:** R. Tirana, 7300, red/white "L'Esprit Revolutionnaire" card w/o freq in 93 days. No rp. (Brooker-ONT).
R. Peking Relay, 7120, "Festival Rejoicing" card w/o time and sked in 16 days. No rp. (Fraser-MA); f/d card, sked, pin and personal note in 15 days. No rp. (Meehan-CT); f/d card, sked, coins and CG language booklet in 16 days. No rp. (Jordan-TN).
- ALGERIA:** RTVA, 9780, black/white no-data card in 3 months for EE rpt. No rp. (Brown-BC).
- ANDORRA:** R. Andorra, 6230, FF "Local Couple" card with freq and meter band only in 5 weeks for EE rpt, 2 IRC's and postcard. (McNeil-DC).
- ANTIGUA:** BBC Relay, 6195, no-data card with "Antigua" typed on it in 4 weeks. No rp. (Brown-MI); card w/site in 2 weeks for 1 IRC. (Wiles-WV); card in 3 1/2 months. No rp. They refused to include the relay! (Schulman-NY): 6175, no-data card and WRC application in 35 days for rpt sent to Antigua. No rp. (Kay-NY); no-data card in 16 days. I returned the card with a request that they stamp it "Antigua": They sent back the same card without the stamp in 24 days with a "Receiving London" ditto stating that they will no longer put sites on cards, even on request! (Mulvey-NY).
- ASCENSION IS:** BBC Relay, 9580, no-data card w/o site although I requested it again in 29 days. No rp. (Troster-ONT).
- ASIATIC RSFSR:** R. Moscow via Omsk, 7320; via Nikolayevsk-on-Amur, 9780, f/d cards in 5 weeks. (Barto-CT). Via Yuzhno-Sakhalinsk, 11860, f/d card in 1 month for NA Svc. (Legge-VA). Via Vladivostok, 6165, f/d card in 33 days for FF rpt on FF xmsn. (Gionet-NB).
- AUSTRALIA:** R. Australia, 9570, card in 111 days. No rp. (Ward-NB): 11780, card in 21 days for 2 IRC's. (Thomas-IN): 17795, card in 2 months. No rp. (Stuart-OK): 9570/11740, cards in 22 days for 2 IRC's. (Lubitsch-IL): 5995/6005, cards in 105 days. No rp. (Fedor-CT). "Blue Wren"/"Parakeet" cards. VLM4-Brisbane, 4920, card in 15 days for 1 IRC. (Cohen-NJ).
VNG, 7500, card and letter in 22 days for 2 IRC's. (Lubitsch-IL) mimeo letter in 60 days. No rp. I received another letter and RA sked for the same rpt 23 days later. (Fedor-CT).
- AUSTRIA:** ORF, 9770, f/d "Karhtenburg Hochosterwitz" card, sked and rpt form in 39 days. No rp. (Brooker-ONT).
- BELGIUM:** BRTV, 11940, f/d blue card and sked in 18 days. No rp. (Brown-MI).
- BELIZE:** R. Belize, 3285/3300. Fourteen members reported yellow map cards w/o time, copies of "Belize Calling", tourist info and skeds in 14 to 47 days for no rp to 2 IRC's. Brandon Jordan-TN also received a small flag, 2 coins and local advertisement. Jim Fedor-CT reported postage on the verie was a 20¢ airmail stamp.
- BRAZIL:** R. Nacional, 11780, f/d "Seasons Greetings" card w/site in 15 days. No rp. (Nicolosi-NJ); same f/d card in 50 days. No rp. (Brooker-ONT): 15245, same f/d card and sticker in 46 days for 1 IRC. (House-AZ); f/d "Alvorado Palace" card, special Christmas stamp and sked in 1 month for 2 IRC's. (Glazzy-CA).
- BRUNEI:** R. Brunei, 7215, card in 15 days for 1 IRC. (Dalrymple-AUST).
- BULGARIA:** R. Sofia, 9700, card, literature and sked in 28 days. No rp. (Peterson-CT).

BYELORUSSIAN SSR: R. Moscow via Orsha, 7100, f/d card in 5 weeks. (Barto-CT)
CAMEROON: R. Buea, 3970, f/d map card, the same as the one used by R.

Yaounde, in 65 days for FF rpt and 1 IRC. (Mayer-IL).

R. Yaounde, 4972.5, f/d FF map card in 38 days for EE rpt on EE/FF xmsns and 1 IRC. (McManus-BC).

CANADA: CBC Northern Svc, 9625, f/d "Horizons on Suns" QSL, 1977/1978 calendars, metric ruler, large sked, pennant and technical info in 26 days. No rp. (Schipelliti-MA): 11720, do-it-yourself "Olympiad" card in 28 days. (Marshall-ND); f/d "Eskimo" card in 32 days. No rp. (Jordan-TN).

BEC Relay-Sackville, 6175, "Bridge" card in 17 days with note which gave the time and freq and stated that xmsn was via Sackville signed by Keith Edwards. (Marshall-ND).

CFCX, 6005, "Studio" card w/o time in 8 days for mint stamp. Two previous rpts were not answered. (Bishop-PA); same in 9 days for 25¢ in Canadian coin. (Meehan-CT).

CFRX, 6070, f/d card w/o time in 9 days. No rp. (Valco-PA).

Armed Forces Network, 5925, "Bear" card in 1 month. (Ebert-WI).

CHU, 3330, card and station info in 31 days. (Swanson-IA).

CANARY IS: RTVE Relay, 11880, "Noblejas Antenna" card, sked and pennant in 17 days for EE rpt. No rp. (Brown-MI).

CHAD: Rdif. Nationale Tchadienne, 4904.5, f/d "Three Scenes" card in 20 days for FF rpt and 2 IRC's. (Krueger-FL); same in 20 days for EE rpt and 2 IRC's. (Fleck-IL); same in 25 days for EE rpt on FF xmsn and 3 IRC's. (Hall-NY); same in 19 days for rpt on FF xmsn and 2 IRC's. (Dalrymple-AUST); same in 26 days for EE rpt and 1 IRC. (Willis-KY).

CHILE: R. Minería, 9750, date-only SS/EE letter in 23 days for 2 IRC's. (Rockwood-OH); same in 15 days for SS rpt on SS xmsn and 1 IRC. (Gionet-NB).

R. Universidad de Concepcion, 6135, date-only card, personal EE letter and small pennant in 8 days for SS rpt. No rp. Also received a 10 centavo coin in exchange for a penny! V/s Carlos G. Rocca. (Hywarren-MAN).

CHINA: R. Peking, 11945, card in 17 days. No rp. (Bishop-PA): 11650/9940, cards w/o time, sked, "Chinese for Beginners" per my request and letter of thanks in 11 and 16 days. No rp. (Poppin-CA).

COLOMBIA: La Voz del Llano, 6115, colorful picture QSL with verie text but only date and SS bumper sticker in 26 days for SS rpt and mint stamps. V/s Jeire E. Cifuentes. (Wolfish-ONT).

R. Sutatenza, 5075, f/d folder card in 52 days for SS rpt and 1 IRC. (Willis-KY).

R. Meridiano 70, 4925, date-only SS letter from Luis C. Perez and Emperatriz Rodriguez in 1 month for SS rpt. No rp. (Hywarren-MAN).

R. Santa Fe, 4965, colorful no-data postcard with short SS verie message in 2 months for SS aerogramme rpt. No rp. (Hywarren-MAN).

R. Cinco, 5040, f/d letter in 3 months. (Legge-VA).

CONGO: RTV Congolaise, 15190, f/d form letter in 27 days for EE/FF rpt, 1 IRC and postcard. (Brown-BC); f/d FF form letter in 59 days for EE rpt and 1 IRC. (Willis-KY).

COSTA RICA: R. Casino, 5954, f/d EE/SS card and pennant in 30 days. No rp. (Robinson-DC).

TIFC, 9645, f/d SS/EE card in 43 days. No rp. (Willis-KY).

CUBA: RHC, 9685, f/d card and letter stating they don't have pennants in 44 days. No rp. (Troster-ONT): 11760, f/d SS "Mosaic" card in 91 days. No rp.

Again they sent me what probably amounts to "the books in Havana and a Castro speech. (Nicolosi-NJ): 11930, f/d card in 82 days for 2 IRC's. (Thomas-IN).

CZECHOSLOVAKIA: R. Prague, 5930, f/d card, stamps in 48 days for 1 IRC.

(Rockwood-OH): 7345/9540, 2 f/d cards and Monitor Club pennant in 2 months. No rp. (Kay-NY).

DENMARK: R. Denmark, 15165, f/d "Radiohouse Tower" card in 15 days for EE rpt on Danish xmsn. No rp. (Ware-VA); same f/d card, sked, letter, history and technical info in 22 days. No rp. (Schulman-NY).

DODECANESE IS: VOA-Rhodes, 6015, f/d "Stamps" card in 5 days. (Jordan-TN); "Kennedy Center" card w/o signature showing site as "New Brunswick" and date as "Dec. 77" changed to 76 in 108 days for US stamps. It took me nearly 3 months to get this freq and after all my effort I was disgusted when I received this "collector's item". why only me? (Gionet-NB). It isn't only you, Chnl. This erratic verifying has been reported often lately. Too often.

DOMINICAN REP: La Voz de la Romana, 3355, verie letter in 3 months. V/s Norberto Marinéz, Director. (Barto-CT).

RTV Dominicana, 9505, personal SS verie letter from R.A. Font Bernard in 24 days for EE rpt and postcard. No rp. (Brown-BC).

ECUADOR: HCJB, 15115, f/d "Doll" card in 41 days for 2 IRC's. (Thomas-IN).
ENGLAND: BEC, 17840, f/d card in 16 days. No rp. (Peterson-CT).
 VOA-Woofferton, 6040, f/d card w/site in 8 days. (Brown-MI): 9760, "Stamps" card w/site but no time in 5 days. No rp. (Richardson-NY).
ETHIOPIA: ETLF, 11910, f/d card and sked in 102 days for 1 IRC. They said pennant was enclosed but it wasn't. Maybe somebody steals them! (Hall-NY): 4905, f/d "Four Scenes" card, sked and religious pamphlet in 125 days for EE rpt and 1 IRC. (Gionet-NB).
EUROPEAN RSPSR: R. Moscow, 15210, f/d card in 22 days. No rp. (Filka-OH): 9540, f/d card in 39 days for RM rpt form. No rp. Copy of "Moscow News" came later. (Dunnigan-NC). R. Moscow via Kazan, 6170, f/d card in 5 weeks. No rp. (Brown-MI). Via Armavir, 7200; via Moscow, 7280/7355; via Ryazan, 9580, cards in 5 weeks. (Barto-CT). Via Mitchurinsk, 9775, card in 59 days for FF rpt on FF Svc to Europe. (Gionet-NB). Via Armavir, 7200, card in 2 months. (Marshall-ND). Via Tula, 7250, f/d card in 28 days for 2 IRC's. (Thomas-IN). Via Moscow, 9800/11860, f/d cards in 65 and 66 days with a letter from Mrs. Lazareva. Possible change here? Last year 11860 was QSLed as Gorki and I believe 9800 was supposed to be Armavir. (Gionet-NB).

Radio Station Peace & Progress, 5035-Alma Ata, flower card with correct date and time but with freq listed as "41 mb" and full sked in 20 days for EE rpt on CC xmsn and prepared card which was ignored. (quest for verification of this freq goes on! McNeil-DC): 15210, card in 20 days. No rp. (Dalrymple-AUGT).

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Radio India

FINLAND: R. Finland, 15110, f/d card, sked and "Hear Finland" in 28 days. No rp. (Collins-NH); same in 27 days for 1 IRC. (Fraser-MA); f/d card in 22 days for 1 IRC. (Filka-OH).
FRANCE: RFI, 11655, f/d card, sked, plastic pennant and 2 wallet calendars in 36 days for 2 IRC's. (Cooper-MS): 11930, f/d card, Africa and NA skeds and wallet calendars in 10 days. No rp. (Hillman-RI); f/d card in 36 days. No rp. (Dunnigan-NC): 15300, f/d card in 50 days for 1 IRC. Skeds came 25 days later. (Troster-ONT): 11940, f/d card and sked in 22 days for 1 IRC and 4 mint stamps. I received the same thing again 17 days later! (Smith-NY): 11890, card w/o time, sked, pennant and pocket calendar in 17 days. No rp. (Mayer-IL). Cards were "L'Arc de Triomphe".
FRENCH GUIANA: FR3, 3385, card w/wrong 60 mb freq (4472) on it in 24 days for FF rpt and 2 IRC's. (wolfish-ONT); no-data card in 33 days for EE rpt on FF xmsn, 2 IRC's and postcard. (Hall-NY): 4972.5, no-data white card with address and freqs on it in 23 days for FF rpt on FF xmsn. I asked them to initial or put the station stamp on the card but no dice. (Gionet-NB).
GERMANY (E): RBI, 6040, 3 f/d cards, special "10 Years RBI DX Club" card, pennant, sked and RBI poster in 116 days, air. No rp. It was postmarked Nov. 11 and arrived here Feb. 5! Imagine if it had been sent by boat! (Bishop-PA): 21540, f/d "10 Years RBI DX Club" card, "RBI Journal" and letter in 36 days. No rp. (Richardson-NY).

- GERMANY (W):** Deutsche Welle, 9565, card in 65 days for 2 IRC's. (Thomas-IN). Sudwestfunk, 7265, f/d card picturing an ear radiating waves in 4 months for 1 IRC and EE rpt on Suddeutscher Rundfunk Relay xmsn. V/s Dr. Schoerken. (Krueger-FL).
VOA-Munich, 6195, f/d card in 11 days. (Brown-MI): 9680, f/d card in 5 days. No rp. (Mulvey-NY): 3980, f/d card in 1 week. (Herkimer-NY).
- GERMANY (W. BERLIN):** RIAS, 6005, black/white "Studio" card w/date, freq and xmt site in 44 days for EE rpt. No rp. European "country" #341 (McNeil-DC).
- GREECE:** V. of Greece, 9760, f/d card and sked in 18 days for EE rpt and used stamps. (Sarrazin-CO); f/d white card in 28 days for 1 IRC. (Crater-KS).
- GREENLAND:** Gronlands Radio, 9575, folder card w/date only in 1 month for tape rpt and mint stamps. V/s B. Hansen. (Sgrulletta-NY).
- GRENADA:** R. Grenada, 15105, f/d postcard with freq checked in 82 days for 1 IRC. (Hall-NY); f/d card in 2 months. No rp. (Schulman-NY).
- GUATEMALA:** La Voz de Nahuala, 3360, f/d white card and beautiful square pennant in 5 months for EE rpt, mint stamps and postcard. (Krueger-FL).
TGNA, 3300, f/d card, sked, religious and travel literature in 33 days for EE rpt and 1 IRC. (Stuart-OK); f/d "quetzal Bird" card, personal letter, religious info and info on Guatemala in 53 days. No rp. (Fedor-CT); same f/d card, sked, travel folder, personal letter and religious pamphlet in 122 days for EE rpt and 1 IRC. (Poppin-CA).
- GUINEA:** Rdiff. Nationale, Voix de la Revolution, 9650, f/d form letter in 1 year and 10 months for FF rpt, tape, and 3 IRC's. This station asks that reporters send 2 IRC's. (Lazarus-LA): 4910, f/d form letter in 1 month. No rp. (Bishop-PA).
- GUYANA:** GBS, 5950, f/d letter from Diana Keelan in 2 weeks for EE rpt and stamps. (Hywarren-MAR).
- HAITI:** 4VEH, 11835, f/d card in 3 months for 1 IRC. (Filka-CH).
- HAWAII:** WVVH, 15000, "Aloha" card w/o time in 13 days. No rp. (Innat-PA).
- HONDURAS:** HRVC, 4820, map card w/date in 3 weeks for EE rpt, 2 IRC's, used US stamps and postcard. (Ebert-WI); f/d map card in 118 days for stamps after f/up with more stamps and 2 IRC's. V/s Felipe Aguilar E. (Hall-NY).
- HUNGARY:** R. Budapest, 6110, f/d "Black Globe" card in 2 months. No rp. (Nicolosi-NJ): 7220, f/d "Museum" card, sked and application for RBSCW in 110 days. No rp. (Mooney-ONT).
- INDIA:** AIR, 9525, date-only "Golden Temple" card in 91 days. (Cohen-NJ).
- INDONESIA:** KALIMINTAN, RRI-Banjarmasin, 3250, Indo letter w/date and freq in 4 months for Indo rpt and mint stamps. V/s Andi Njongki PA. (Corson-IA).
IRIAN JAYA, RRI-Sorong, 4872, f/d QSL and letter in 2 months after 4w f/up with Indo rpt and mint stamps. V/s Soedarsono. (Corson-IA).
BALI & LESSER SUNDAS, RRI-Mataram, 3223, f/d Indo letter in 3 months for Indo rpt and mint stamps. V/s Soekino. (Corson-IA).
- IRAN:** V. of Iran, 9022, f/d "Kerman TV" card, gray plastic pennant, sked, "Happy New Year" postcard and essay contest details in 33 days for EE rpt and 1 IRC. (Fraser-MA); f/d "Bandar Abbas TV" card and postcard in 26 days for EE rpt, postcard and baseball card. (Ebert-WI).
- IRAQ:** R. Baghdad, 9745, f/d "Nargal Gate" card, "Babylon" and "Iraq, A Tourist Guide" booklets, "Iraqi Dates" brochure and contest questions in 111 days for EE rpt and 1 IRC. Most of the time spent getting here. Envelope was torn to shreds. (Fraser-MA).
- ISRAEL:** IBA, 7412, f/d card and sked in 1½ months for 1 IRC. (Stuart-OK): 9815, card in 124 days. No rp. (Nicolosi-NJ): 9435, f/d card, sked and Hebrew lessons in 50 days. No rp. (Mooney-ONT).
- ITALY:** RAI, 11810, f/d "L'Aurora" card in 7 months. No rp. Sked came first. (Sarrazin-CO): 9575, f/d "Il Giorno" card in 88 days for 2 IRC's. (Ward-NB); same f/d card in 98 days for 1 IRC. (Collins-NH): 6010, f/d "Amore e Psiche" card in 200 days. No rp. (Ebert-WI); f/d "Michelangelo" card in 5½ months. No rp. (Brooker-ONT).
- JAPAN:** R. Japan, 15105, "Kamakura" card w/o time, sked, rpt form, "Radio Japan News" and pennant in 21 days. No rp. (Hoffman-PA).
- KIRGHIZ:** R. Moscow via Frunze, 9710, f/d card in 62 days for FF rpt on FF European Svc. (Gionet-NB).
- KOREA (N):** R. Pyongyang, 7203, f/d card, sked series of 11 opera cards, pennant and 2 IRC's postmarked in Japan in 49 days. No rp. (Crater-KS): 15650, f/d card, opera script and set of postcards with opera scenes in 67 days. They returned my 2 IRC's. (Willis-KY).
- KUWAIT:** R. Kuwait, 11845, f/d informative folder card and sked in 2 months for EE rpt, postcard and baseball cards. No rp. (Ebert-WI).
- LIBERIA:** ELWA, 4770, f/d "Native Drummer" card, sked and religious info in 4 months for EE rpt. No rp. (Ware-VA): 11950, same card in 16 months for 2

IRC's. (Cohen-NJ).

VOA-Monrovia, 15445, "Stamps" card w/site but no date in 7 days.

No rp. (Sarrazin-CC).

LIBYA: Peoples Revolution Broadcasting, 6185, personal verie letter w/date, freq and 2 mentions of their verifying my rpt and sked in 6 weeks on my first try for EE rpt, 2 IRC's and used stamps. (Wolfish-ONT); date-only letter from B. Buzaid in 2 weeks after 2 f/ups for EE rpts. No rp. VIC #120! (Hywarren-MAN).

LITHUANIAN SSR: R. Vilnius, 7165, f/d card featuring line drawing of Vilnius and sked in 46 days. No rp. (Brooker-ONT).

R. Moscow via Kaunas, 7100, f/d card in 5 weeks. (Barto-CT).

LUXEMBOURG: R. Luxembourg, 6090, f/d "Coat-of-Arms/Antenna" card in 23 days. No rp. (Collins-NH); same f/d card in 14 days for 1 IRC. (Filka-CH).

MALAYSIA: BBC Relay, 6195, no-data card in 1 month. No rp. (Hywarren-MAN): 9740, same in 3 months. No rp. (Schulman-NY).

MALI: Rdiff. du Mali, 4783, f/d map card in 3 months, 3 weeks for tape rpt and mint stamps. (Sgrulletta-NY).

MALTA: Vox Fidei, 6185/9670 via Cyclops, large card with GG text showing an early Gustav Dore engraving depicting burning of the books in ancient Greece received in 4 weeks for 1 IRC. (Fadula-AUST).

MAURITANIA: Rdiff. Nationale Mauritania, 4845, map card w/date, time and freqs listed and "best wishes for future SW reception" in 4 months for FF rpt and 2 IRC's. (Krueger-FL).

MEXICO: R. Mexico, 15385, letter w/date stamped by just about everyone at the station received in only 9 months, 7 days for EE rpt. No rp. (Brown-BC); f/d QSL letter in 362 days with sked, tourist info and hair from the burro that carried it from Mexico City to the border! No rp. Glad to have it! (Bishop-PA); two SS QSL letters, one f/d, for the same rpt in 11 months. (Marshall-ND).

MONACO: TWR, 7105, f/d card in 27 days for 1 IRC. (Carter-KS); f/d green/white "World Map" card in 33 days for 2 IRC's. (Hoffman-PA).

MONGOLIA: R. Ulan Bator, 7260, nice f/d blue/white/gold card, booklets, sked and some stunning Mongolian stamps in 16 weeks for EE rpt, 1 IRC, postcard and used stamps. (Brown-BC): 5053, f/d card, letter, magazines, etc. via unknown friend in California who forwarded the whole mess in 3 months for EE rpt. (Corson-IA); blue f/d card in 90 days by registered mail for EE rpt. No rp. (Mayer-IL).

MOROCCO: RTW Marocaine, 6190-Sebaa-Aioun, no-date folder card in 3 weeks for tape rpt and 1 IRC. Card was station stamped and initialed illegibly and dated on front. (Sgrulletta-NY): 6170, no-data folder card with a "thank you for your report" in AA/FF/EE and outdated sked as 6170 is not mentioned received in 338 days for FF rpt on AA amsn. (Gionet-NB).

VOA-Tangier, 11945, "Stamps" card w/site but no date in 7 days. No rp. (Sarrazin-CC).

NEPAL: R. Nepal, 3425, f/d card and sked in 3 weeks. No rp. (Robinson-DC).

NETHERLANDS: R. Nederland, 9715, f/d card, sked and DX Information Catalog in 74 days. (Swanson-IA); f/d card in 14 days. No rp. (Ihnat-PA).

NETHERLANDS ANTILLES: R. Nederland Relay, 6165, f/d card in 45 days. No rp. (Peterson-CT); f/d card and "I listen to Radio Nederland" bumper sticker in 68 days. No rp. (Ihnat-PA); f/d card in 12 days. (Marshall-ND): 9630, card in 17 days. No rp. (Brown-MI); card in 2 weeks. (Fadula-AUST).

TWR, 11925, f/d "IJB" card, religious info, sked and calendar in 206 days for EE rpt and postcard. No rp. (Ebert-VI).

NEW ZEALAND: RNZ, 9540, f/d card and sked in 65 days for 2 IRC's. (Crater-KS): 15130, f/d "Wellington Harbour" card, sked and tourist info in 123 days for 1 IRC. (Mooney-ONT).

NIGERIA: V. of Nigeria, 7275, f/d green/white "Flag" card and sked in 34 days for EE aerogramme rpt. No rp. (Sarrazin-CO); card in 45 days for 1 IRC. (Dalrymple-AUST).

NBC-Benin, 4932, f/d letter in 20 days for tape rpt and 1 IRC which was returned. (Sgrulletta-NY); card and letter, both verifying the same thing and International sked in 5 weeks. No rp. (McNeil-DC).

R. Nigeria, 4900-Sogunle, letter from R.L.A. Oise-Oghaede states that 4900 kHz is drift from 4990 kHz. (Barto-CT); f/d letter in 1 month for tape rpt and 1 IRC. Letter states the change from 20 kw to 50 kw resulted in a frequency drift from the nominal 4990 kHz. Official announcement forthcoming. The IRC was returned. (Sgrulletta-NY); f/d VON "Flag" card and sked in 43 days for EE rpt. No rp. (Mayer-IL).

NORWAY: R. Norway, 17800, f/d card and sked in 45 days. No rp. (Peterson-CT): 15175, f/d "Snow Scene" card, pamphlets in Norwegian and small flag in

9 days for 2 IRC's. (Ihnat-PA).

PAKISTAN: R. Pakistan, 15325, form letter in 2 months. No rp. (Legge-VA).

PAPUA NEW GUINEA: NBC, 4890, f/d msp card in 120 days for EE rpt and 1 IRC. V/s J. Arifeae. (Mooney-ONT).

R. North Solomons, 3322, very nice f/d letter explaining how they changed their name from R. Bougainville and name of the province to North Solomon Province. Letter included "wishes for all the success in the future" and was received in 3 weeks for EE rpt and 2 IRC's. V/s was Aloysius Romina. Address: Radio North Solomons, P.O. Box 35, Kieta, North Solomon Province, Papua New Guinea. (DeRoy-ME); nice f/d letter in 25 days for EE rpt, 1 IRC and stamps. Letter explained that the former Bougainville Island changed its name to North Solomons Province, thus it was necessary to change the station's name also. My favorite QSL! (Willis-KY).

R. Central District, 3290, form letter in 4 months after f/up. (Corson-IA).

R. Western Highlands, 2450, form letter in 3 months for EE rpt and mint stamps. (Corson-IA).

R. East Sepik, 3335, f/d letter from Paul Kafafi in 1 month for 1 IRC. (Legge-VA).

PHILIPPINES: VOP, 9580, f/d card, 2 questionnaires and letter from Thelma M. Maceda in 128 days for EE rpt and 2 IRC's. (Glazzy-CA).

FEEC, 15235, f/d card, sked and religious info in 51 days. No rp. (McManus-BC): 9505, same in 72 days. No rp. (Jordan-TN): 17810, card in 32 days for 3 IRC's. (Dalrymple-AUST).

R. Veritas, 11875/9645, 2 "Studio Site" cards, sked and used Philippine stamps in 3 weeks. V/s Mrs. Connie C. Javier. (Padula-AUST).

POLAND: Polish Radio, 11815, f/d "Heraldic Arms" card, sked, rpt form, pin and letter from Jan Wierzbinski apologizing for the delay in 79 days for EE rpt. No rp. (Brown-BC). That's Polish Radio! Seventy-nine days is a "delay".

PORTUGAL: R. Portugal, 6025, f/d card in 20 days. No rp. (Valko-FA); f/d card in 18 days for 2 IRC's. (Ihnat-PA): 9740, card in 23 days for 2 IRC's. (Dalrymple-AUST): 4865, f/d card in 3 weeks. No rp. They didn't specify site, but they didn't say it wasn't Lisbon! (Legge-VA).

RHODESIA: RBC, 3306, big blue/white map card w/o time in 23 days for EE rpt. No rp. (Ware-VA): 3396, same in 1 month for EE rpt. (Hywarren-MAN).

ROMANIA: R. Bucharest, 5990, f/d card in 115 days. No rp. (Willis-KY).

SWEDISH
TELECOMMUNICATIONS
ADMINISTRATION



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RWANDA: Deutsche Welle Relay, 7225, f/d "Afrika" card and "Hallo Friends" in 116 days for 1 IRC. (Hall-NY); same in 122 days for FF rpt on FF xmsn and an SASE which they used for the reply. (Gionet-NB).

RYUKYU IS: VOA-Okinawa, 7165/6010, f/d "Stamps" card in 5 days. (Jordan-TN).

SABAH: R. Malaysia Sabah, 4970-Kota Kinabalu, f/d card and personal letter in 8 months for 3 IRC's. V/s Ramlah Amir. (Young-CA); f/d card in 10 months for EE rpt and mint stamps. (Corson-IA).

SAO TOME: R. Nacional, 4807, card with only date and freq in 3 weeks for

tape rpt and mint stamps. (Sgrulletta-NY).

SARAWAK: R. Malaysia Sarawak, 4950, f/d "Broadcasting House" card in 18 days for EE rpt and 2 IRC's. (Glazzy-CA).

SAUDI ARABIA: BSKSA, 15245, no-data form letter and sked in 131 days by registered mail for EE rpt. No rp. (Brown-BC): 11870, "Crossed Swords" card and sked in 18 weeks by registered mail. (Radula-AUST): 9730, same card in 80 days by registered mail for EE rpt and 1 IRC. (Willis-KY).

SENEGAL: R. Senegal, 4890, black/white #F "Khora" card in 2 months for EE rpt. No rp. (Wolfish-ONT).

SEYCHELLES: FEBA, 9700, f/d orange/black map card and note saying that 9700 kHz replaces 9725 kHz. Received in 19 days for EE rpt. No rp. (Meehan-CT): 11845, f/d card and sked in 15 days for EE rpt and 3 IRC's. (House-AZ): 9510, f/d card in 3 weeks for 1 IRC. (Legge-VA).

SICILY: RAI-Caltanissetta, 6060, f/d "Michelangelo" card with site in 2 months. No rp. Several attempts were needed to get the site indicated on this one, but it was worth it! (Herkimer-NY). No argument on that, John!

SIERRA LEONE: SLBS, 3316, f/d "Coat-of-Arms" card in 25 days. No rp. Power listed as 250 kw. Seems hard to believe. V/s B.D.H. Taylor. (Schulman-NY).

SINGAPORE: RTV Singapore, 5052, f/d blue/red/green "RTVS" logo card in 68 days for EE rpt and postcard. No rp. (Brown-BC).

SOMALI REP: R. Mogadishu, 9585, f/d black/white card in 55 days for EE rpt and used stamps. No rp. (Brown-BC).

SOUTH AFRICA: R. RSA, 7270, card, letter and "RSA Calling" in 20 days for 2 IRC's. (Lubitsch-IL); f/d card in 20 days. No rp. (Hoffman-PA): 5980, f/d card in 33 days for postcard. No rp. (Ebert-IL): 21535, f/d card and "RSA Calling" in 17 days. No rp. (Richardson-NY).

SABC, 4810, f/d "Industrial Montage" card, pennant and "RSA Calling" in 25 days. No rp. (Meehan-CT): 4810/4835/4875, same f/d card in 21 days for EE rpts on VE and Afrikaans xmsns. No rp. (Poppin-CA).

SPAIN: RTVE, 6065, f/d card, sked and pennant in 32 days for 2 IRC's. (Clark-WV): 11880, f/d card and pennant in 22 days. No rp. (Peterson-CT); card in 36 days for 2 IRC's. (Dalrymple-AUST): 9360, f/d card, sked and rpt forms in 20 days. No rp. (McManus-BC): 6080, f/d card, sked and pennant in 35 days. No rp. (Ware-VA).

SRI LANKA: VOA-Colombo, 11935, f/d "Stamps" card and freq sked in 7 days. No rp. (Hall-NY).

SWAZILAND: TNR, 17775, black/white f/d "Native/Antenna" card and sked in 19 days for EE rpt, 2 IRC's and used US stamps. Love it! (Mulvey-NY): 3240/17775, f/d cards in 2 weeks for 1 IRC. (Legge-VA).

SWEDEN: R. Sweden, 15305, f/d map card in 10 days for 1 IRC. (Fraser-MA); f/d blue/yellow map card in 22 days for aerogramme rpt. No rp. (Hoffman-PA): 11705, f/d map card and sked in 122 days. No rp. It was addressed "Toronto, Ontario, U.S.A.", which may explain why it took so long! (Brooker-ONT).

Swedish Telecommunications Administration, 11770, special "SSB World Map" card in 1 month. No rp. (Legge-VA).

SWITZERLAND: SBC, 11715, f/d card in 48 days for 1 IRC. (Stuart-OK): 15140, f/d card in 35 days for 2 IRC's. (Thomas-IL): 5965, f/d "Two Bobs" card with message saying stickers and sked were on the way. (Jordan-TR): 21520, f/d "Palace of Nations" card in 47 days. No rp. (Richardson-NY).

TADZHIK SSR: R. Moscow via Dushanbe, 7135, f/d card with site in 6 weeks for tape rpt and mint stamps. This is for EE xmsn to Great Britain/Ireland. (Sgrulletta-NY); f/d card with site in 4 weeks for rpt on Great Britain/Ireland Lvc. Country 2011 (Young-CA).

TAHITI: R. Tahiti, 15170, no-data "Native Girl" card in 2 months for 2 IRC's. (Pilka-CH); same card in 15 days for EE rpt and 2 IRC's. (Glazzy-CA): 11825, same card in 30 days for 1 IRC and multilingual rpt. (Fleck-IL).

TOGO: Rdiff. du Togo, 5047, "Map/Globe" card w/sked on back in 5 months and 1 month after f/up for FF rpt and 2 IRC's. (Wolfish-ONT); same f/d card in 30 days for EE rpt, postcard and 1 IRC. (Brown-BC); same f/d card in 36 days for EE rpt and 1 IRC. (Willis-KY).

TUNISIA: RTV Tunisienne, 15225, "Cafe du Saf Saf" card in 23 days for EE/FF rpt, 1 IRC and used stamps. (Wolfish-ONT); f/d card with friendly note on the back wishing me well in 50 days for EE rpt. No rp. (Brown-BC): 9275, f/d "Cactus" card in 28 days for EE rpt. No rp. (Willis-KY).

TURKEY: V. of Turkey, 9515, "Bosphorus Bridge" card with only date and delux sked in 30 days for 1 IRC. (Collins-NH).

Voice of Meteorology, 6900, f/d letter in 3 weeks for 4 IRC's. V/s Dr. Ahmet Rumel. (Young-CA).

TURKMEN SSR: R. Peace & Progress, 15185, f/d card w/freq listed as "19 mband" in 113 days. No rp. Site per date of rpt. (Bishop-PA).

UGANDA: UBC, 15325, letter w/date and freq only in 3 months for tape rpt and 2 IRC's. V/s David R. Buga. (Sgrulletta-NY): 9730, verie letter in 2 months after f/up for EE rpt. No rp. (Hywarren-MAN)

UKRAINIAN SSR: R. Kiev, 7150, f/d card, sked and Happy New Year card in 35 days for 2 IRC's. (Clark-WV): 15100, f/d "Park of Glory" card, sked and rpt forms in 45 days. No rp. (McManus-BC).

R. Moscow via Lvov, 6125/7150; via Kiev, 6020, cards in 5 weeks. (Barto-CT). Via Lvov, 6070, f/d card in 1 month. No rp. (Richardson-NY). Via Simferopol, 7135, f/d card in 73 days. The freq was not announced and was supposed to be Dushanbe, but not according to the card I received. (Gionet-NB).

UNITED STATES: VOA-Dixon, 15365, "Stamps" card w/site but no date in 7 days for EE rpt on Chinese xmsn. No rp. (Sarrazin-CO).

VOA-Greenville, 6080, f/d "Stamps" card in 6 days. Also received freq sked per request and 6 program skeds. (Nulvey-NY).

VOA-Bethany, 6040, f/d card in 5 days. (Jordan-TN).

WINB, 11775, f/d card and mimeo sked in 17 days. No rp. V/s John H. Norris. (Brooker-ONT): 15375, f/d card, sked, religious and station info in 36 days. No rp. (McManus-BC): 15355, card and sked in 4 weeks. (Padula-AUST).

WV, 10000, card in 13 days. No rp. (Troster-ONT).

WYFR, 6155, f/d "Mike" card in 15 days. No rp. (Bishop-PA): 11805, f/d card and sked in 11 days. No rp. (Dunnigan-NC): 17875, card in 10 weeks for 1 IRC. (Padula-AUST).

KGEI, 5980, f/d "San Francisco" card in 33 days. No rp. (Valko-PA).

URUGUAY: R. El Espectador, 11835, small white SS card in 103 days for SS rpt on SS xmsn and 1 IRC on my second try. No reply to my first attempt sent by registered mail with 2 IRC's. (Gionet-NB).

UZBEE SSR: R. Tashkent, 9600, f/d map card in 1 month for EE rpt. No rp. (Krueger-FL): 6025, f/d QSL featuring gold statue, sked and Christmas card in 55 days. No rp. (Mooney-ONT): 11730, card in 32 days. No rp. (Dalrymple-AUST).

VATICAN: Vatican Radio, 9605, f/d "Musician Angel" card in 32 days for 2 IRC's. (Peterson-CT): 5995, f/d "Cathedral Dome" card and sked in 28 days. No rp. (Brooker-ONT); f/d card in 16 days. No rp. (Valko-PA): 11705, card in 12 days. No rp. (Richardson-NY): 6015, f/d card in 20 days. No rp. (Jordan-TN): 11715, f/d card and magnificent stamps in 7 weeks. (Cosier-AUST).

VENEZUELA: R. Universo, 4880, "Cadena" card w/o time in 1 month for EE rpt. No rp. Card is similar to that of R. Juventud and R. Lara. (Hywarren-MAN).

R. Reloj Continente, 5030, no-data friendly mimeo letter and decal in 98 days for SS rpt and mint stamps. V/s Lourdes Torres. (Pogue-IN).

R. Juventud, 4900, blue/white SS "Dancers" card w/o time in 68 days for SS rpt and 1 IRC. (Mooney-ONT).

YVTO, Observatorio Naval-Cagigal, 6100, card in 1 month for 1 IRC. (Legge-VA).

R. Nacional, 15400, date-only mimeo verie letter in 35 days for trilingual form. The sked in the letter has "15.390" crossed out and "15.400" inked in. (Cohen-NJ).

Ecos del Torbes, 4980, beautiful 30" Anniversary pennant and business card with "Gracias por su reportaje" typed on it in 5 months for SS aerogramme rpt. Not really a verie. (Herkimer-NY); same little card and 3 30" Anniversary pennants in 168 days in 3 separate envelopes, 1 addressed correctly as "Gionet", 1 as "Dionet" and the other as "Sionet". I know my handwriting is atrocious but I put a printed label on the rpt! (Gionet-NB). (They probably need a new battery in the computer, Onil.): 6190, same card and nice pennant for 1 IRC. Apparently they forgot to verify! (Krueger-FL).

VIETNAM (N): V. Of Vietnam, 15012, f/d card in 6 months for EE rpt and 2 IRC's. (Brown-MI): 10040, f/d paper QSL, pennant, sked and contest info in 23 weeks for EE rpt. No rp. (Glazzy-CA); attractive no-date "Greetings from Vietnam RTV" in 108 days for EE rpt. No rp. (Brown-BC).

For some time it has been impossible to use all the material from letters containing more than 15 items and difficult to include every item from the 9-15 range. Occasionally an item has to be cut from even less than that. I don't like to do this, but there isn't space for everything. I appreciate your interest in this column and it would be unfair of me to let anyone think that his 20-30 items can be included in one issue.

Deadline for April issue: March 12. Keep smiling! *Bill*

Deadline for May issue: April 16.

scoreboard

Myron Smith, Editor
36 Ogden Center Road
Spencerport, New York 14559

March 1977

| Reporter/Location | # | # | C/H | C/V | S/H | S/V | Africa | | |
|------------------------------|----|----|-----|-----|------|-----|--------|-----|------------------------|
| | | | | | | | C/H | C/V | Best QSL/Freq |
| 1 James Young, Calif | 3 | 25 | 220 | 201 | 347 | 262 | 61 | 59 | R Moroni, Comores 7260 |
| 2 Sam Barto, Conn | 3 | 12 | 216 | 203 | 1225 | 851 | -- | -- | ----- |
| 3 John Tuchscherer, Wisc | -- | 54 | 215 | --- | 1106 | --- | 60 | -- | R Cordac 4900 |
| 4 John Campbell, Australia | 3 | 6 | 214 | 196 | --- | 388 | 60 | 57 | R Club Huila 5026 |
| 5 Dan Henderson, MI | 3 | 12 | 213 | 200 | --- | --- | 61 | 59 | R Diamang Angola 4775 |
| 6 Bob Padula, Australia | 1 | 12 | 211 | 204 | --- | --- | 62 | 60 | R Cl Mindelo, C Verde |
| 7 Richard Pistek, Ill | 1 | 14 | 210 | 204 | --- | 341 | 61 | 59 | R Hergeisa 11660 |
| 8 Edward Shaw, Ky | 2 | 13 | 210 | 199 | 783 | 458 | 61 | 59 | R Cl Melante 7115 |
| 9 Irving Johnson, Calif | 1 | 4 | 210 | 62 | --- | --- | 62 | 21 | Dahomey 4870 |
| 10 Bill Sparke, Calif | 1 | 20 | 209 | 200 | --- | 629 | 58 | 55 | Djibouti 4780 |
| 11 Al Sizer, Conn | 1 | 8 | 207 | 199 | 853 | 320 | -- | -- | ----- |
| 12 David Potter, Fla | 1 | 10 | 207 | --- | 780 | --- | 60 | -- | ----- |
| 13 Ernie Behr, Ont | 2 | 22 | 205 | 181 | 1015 | 305 | 55 | 50 | FR3 Djibouti 4780 |
| 14 Alan Mayer, Ill | 1 | 17 | 205 | 174 | 696 | 308 | 60 | 55 | Reunion 2446 |
| 15 Marlin Field, Mich | 1 | 17 | 204 | 195 | 832 | 695 | 59 | 58 | Mt Kenya Nyeri 6170 |
| 16 Dan Robinson, DC | 3 | 7 | 202 | 153 | --- | --- | 61 | 45 | R Cl Huila, Angol 3970 |
| 17 Bob Hill, Calif | -- | -- | 202 | 4 | --- | --- | -- | -- | ----- |
| 18 Roger Legge, Va | 2 | 22 | 200 | 172 | --- | 715 | 54 | 46 | Mauritius 15075 |
| 19 Albert Garrou, Ill | 3 | 11 | 200 | 144 | 342 | 178 | 59 | 42 | R Lesotho 4800 |
| 20 Al Niblack, Ind | -- | -- | 200 | 130 | --- | --- | -- | -- | ----- |
| 21 Alan Roth, NY | -- | 18 | 197 | 180 | 610 | 463 | -- | -- | ----- |
| 22 *Jim Hagen, Va | -- | -- | 195 | 92 | --- | --- | -- | -- | ----- |
| 23 Myron Smith, NY | 1 | 13 | 194 | 153 | --- | 240 | 58 | 45 | Djibouti 4780 |
| 24 Victor Jaar, Quebec | 2 | 12 | 193 | 4 | --- | --- | 58 | 1 | Mozambique 15295 |
| 25 Al Miller, Ohio | 1 | 6 | 188 | 167 | 466 | 214 | 56 | 50 | R Cl Huambo 5060 |
| 26 Bill Whitacre, Mich | 1 | 7 | 187 | 141 | --- | 174 | -- | -- | ----- |
| 27 Edward Kusalik, Ont | 3 | 11 | 184 | 151 | 302 | 220 | 58 | 43 | R Cl Cabo Verde 3960 |
| 28 John Mritz, Ohio | -- | -- | 183 | 128 | 419 | 180 | 56 | 31 | Mauritius 9710 |
| 29 Larry Abraham, Mich | 1 | 6 | 180 | 139 | 345 | 191 | 54 | 38 | Kenya 4915 |
| 30 Andy Robins, Mich | -- | -- | 179 | 124 | --- | --- | 55 | 31 | R Nat Rwandaise 6055 |
| 31 Rob Vokes, Tex | 2 | 3 | 178 | 103 | 516 | 135 | 53 | 23 | PTV Malagasy 17730 |
| 32 Tom Gavaras, Minn | 1 | 6 | 175 | 136 | 309 | 222 | -- | -- | ----- |
| 33 *Larry Yumron, Pa | -- | -- | 173 | 139 | --- | --- | -- | -- | ----- |
| 34 Gerald Bishop, Pa | 2 | 1 | 173 | 103 | 341 | 140 | 51 | 19 | VOA Monrovia 3990 |
| 35 Alan Leves, Tex | -- | -- | 170 | 47 | 463 | 60 | -- | -- | ----- |
| 36 John Sgrulletta, NY | 1 | 19 | 169 | 166 | --- | --- | 53 | 53 | Reunion 2446 |
| 37 Hank Michalenka, RI | 1 | 10 | 169 | 133 | 287 | 148 | 51 | 32 | Mauritius 9710 |
| 38 Joe DiLeo, Conn | 1 | 7 | 167 | 144 | 470 | 309 | 54 | 44 | ----- |
| 39 Charles Wootten, Sardinia | 3 | 4 | 167 | 135 | 422 | 302 | 52 | 36 | Sao Tome 5338 |
| 40 John Fisher, Ont | 1 | 5 | 167 | 125 | 398 | 194 | 54 | 31 | Djibouti 4780 |
| 41 *Steven d'Adolph, Tex | -- | -- | 165 | 137 | 221 | 184 | -- | -- | ----- |
| 42 Charles Brunner, Pa | 1 | 3 | 164 | 75 | --- | --- | -- | -- | ----- |
| 43 Jim Zabransky, NJ | 2 | 7 | 160 | 148 | --- | --- | 51 | 45 | Comoro Is 3331 |
| 44 Jerry Lineback, Ill | 1 | 8 | 156 | 93 | 307 | 115 | -- | -- | ----- |
| 45 Jerry Stuart, Okla | 1 | 13 | 154 | 124 | 240 | 215 | 34 | 26 | Gambia 4820 |
| 46 Mike Ryan, Calif | -- | -- | 153 | 153 | --- | --- | -- | -- | ORTF Reunion 4807 |
| 47 Richard Schwartz, Del | -- | -- | 152 | 120 | --- | --- | -- | -- | El Aaiun 6095 |
| 48 Martin Foltz, Mich | 1 | 5 | 151 | 80 | --- | 96 | 47 | 20 | Azores 4865 |
| 49 Jim Ronda, Ohio | 1 | 5 | 150 | 103 | --- | --- | 48 | 27 | Calabar 6145 |
| 50 Bob McCoy, Nebr | 1 | 4 | 149 | 81 | 396 | 94 | -- | -- | ----- |
| 51 Neal Kolb, Fla | -- | -- | 149 | 75 | --- | --- | 44 | 15 | ----- |

| Reporter/Location | # Loc | # Yrs | C/H | C/V | S/H | S/V | Africa | | |
|------------------------------|----------|----------|-----|-----|-----|-----|--------|-----|--------------------|
| | | | | | | | C/H | C/V | Best QSL/Freq |
| 52 Bryan Price, Ky | 1 | 8 | 148 | 78 | 320 | 95 | -- | -- | ----- |
| 53 Hadley Cress, Va | 1 | 3 | 147 | 6 | --- | --- | -- | -- | ----- |
| 54 John Herkimer, NY | 1 | 7 | 146 | 121 | --- | --- | 49 | 33 | Comoro Is 7260 |
| 55 Jack Troy, Va | 1 | 4 | 145 | 37 | --- | --- | -- | -- | ----- |
| 56 Kerry Brandt, NY | 1 | -- | 142 | 92 | --- | --- | -- | -- | ----- |
| 57 Wade Smith, Mass | 2 | 6 | 140 | 91 | --- | --- | -- | -- | ----- |
| 58 Joey Nonnast, Tex | - | -- | 135 | 118 | 238 | 165 | 35 | 30 | Seychelles 11955 |
| 59 Henry Rockwood, Ohio | 1 | 3 | 135 | 108 | --- | 140 | 43 | 32 | RTV Morocco 6190 |
| 60 Bill Paschke, Wisc | 1 | 9 | 133 | 79 | 286 | 101 | -- | -- | ----- |
| 61 Mac Leonhardt, Ind | - | -- | 133 | 70 | --- | --- | -- | -- | ----- |
| 62 *K L Greer, NC | - | -- | 130 | 80 | --- | --- | -- | -- | ----- |
| 63 Woody Seymour Jr, NC | 1 | 8 | 129 | 105 | --- | --- | 36 | 24 | Swazi Music R 6155 |
| 64 Neil Wolfish, Ont | 1 | 1 | 129 | 88 | 240 | 120 | 38 | 16 | Libya 6185 |
| 65 Michael Agner, NJ | 2 | 4 | 129 | 73 | 296 | 76 | -- | -- | ----- |
| 66 *Denny Driscoll, NC | - | -- | 125 | 112 | --- | --- | -- | -- | ----- |
| 67 Bobby Hobbs, NC | 1 | 5 | 125 | 82 | 235 | 155 | -- | -- | ----- |
| 68 Robert Fleck, Ill | 2 | 10 | 124 | 84 | --- | --- | 24 | 15 | Chad 4904 |
| 69 Scott Newman, Ill | 1 | 4 | 123 | 80 | --- | --- | 40 | 20 | Senegal 4890 |
| 70 Allan Courtney, Ky | 1 | 4 | 123 | 51 | 244 | 56 | -- | -- | ----- |
| 71 Ira Teitelbaum, NJ | 1 | 2 | 121 | 102 | 253 | 198 | -- | -- | ----- |
| 72 Tom Overcamp, SC | 2 | 3 | 121 | 98 | --- | --- | -- | -- | ----- |
| 73 Greg Ravenhorst, Minn | 1 | 5 | 121 | 93 | 176 | 126 | -- | -- | ----- |
| 74 Charles Poxx Jr, Va | - | -- | 120 | 106 | 161 | 138 | 29 | 25 | R Ecclesia |
| 75 *Rick Charnes, NJ | - | -- | 120 | 93 | --- | --- | -- | -- | ----- |
| 76 Philip Wala, Mich | 1 | 5 | 120 | 91 | 219 | 133 | 30 | 17 | Sierra Leone 3316 |
| 77 Terry Krueger, Fla | 5 | 5 | 120 | 68 | 230 | 95 | 33 | 9 | FRB Libya 6185 |
| 78 *Larry Nebron, Calif | - | -- | 120 | 61 | --- | --- | -- | -- | ----- |
| 79 Mike Hardester, Calif | 1 | 7 | 119 | 107 | 221 | 186 | -- | -- | Malawi 3380 |
| 80 *Wendall Carrington, Tenn | - | -- | 118 | 57 | --- | --- | -- | -- | ----- |
| 81 Jim Davis, Calif | - | 4 | 117 | 74 | 228 | 92 | 29 | 11 | Ghana 4915 |
| 82 Henry Lazarus, La | 1 | 9 | 116 | 109 | 336 | 274 | 29 | 25 | R Cl Huambo 5060 |
| 83 Dan McCarthy, Ind | - | -- | 115 | 95 | 145 | 125 | 33 | 21 | ELWA 4770 |
| 84 *Carroll Patterson, Ga | - | -- | 114 | 102 | 315 | 158 | -- | -- | ----- |
| 85 Jim Uerlings, Ore | 3 | 7 | 114 | 10 | 218 | 10 | 24 | 1 | ----- |
| 86 Graeme Brown, BC | 1 | 1 | 113 | 57 | 164 | 93 | 22 | 10 | Mogadishu 9585 |
| 87 Robert Beaudoin, Conn | 1 | 2 | 112 | 86 | --- | 110 | -- | -- | ----- |
| 88 Edward Pyatt, Pa | - | -- | 109 | 99 | 156 | 136 | 28 | 24 | R Gambia 4820 |
| 89 David Ball, Ont | 1 | 5 | 109 | 98 | 185 | 127 | 27 | 22 | R Gambia 4820 |
| 90 Arthur Watson, BC | 1 | 3 | 109 | 61 | 210 | 73 | -- | -- | ----- |
| 91 Robert Koziomkowski, NY | - | -- | 108 | 55 | 135 | 80 | 24 | 9 | Mauritius |
| 92 Lauren Ware, Va | 1 | 1 | 106 | 32 | 198 | 33 | -- | -- | ----- |
| 93 Neil Schulman, NY | 1 | 2 | 104 | 63 | 160 | 72 | 34 | 14 | Guinea 7125 |
| 94 Pat Tobin, Pa | 1 | 3 | 103 | 74 | 165 | 93 | 30 | 14 | Swazi Music R 4980 |
| 95 *Art Weaver, Neb | - | -- | 102 | 69 | --- | --- | -- | -- | ----- |
| 96 *William Zuk, NY | - | -- | 102 | 64 | --- | --- | -- | -- | ----- |
| 97 Keith Russell, Ill | 2 | 4 | 101 | 69 | 145 | 71 | 18 | 13 | Uganda BC 9730 |
| 98 Bruce Lavery, Ga | 1 | 1 | 100 | 2 | 184 | 2 | -- | -- | ----- |
| 99 Paul Dumire, Mo | 1 | 1 | 97 | 53 | 148 | 63 | -- | -- | ----- |
| 100 Mildred Marshall, ND | - | 9 | 96 | 88 | 141 | 123 | -- | -- | ----- |
| 101 *David Heimke, Mich | - | -- | 96 | 68 | --- | --- | -- | -- | ----- |
| 102 *Irving Kaufman, NY | - | -- | 95 | 56 | 123 | 85 | -- | -- | ----- |
| 103 *John Kolb, Calif | - | -- | 94 | 84 | 110 | 101 | -- | -- | ----- |
| 104 *Corky Webb, Tex | - | -- | 94 | 80 | 161 | 111 | -- | -- | ----- |
| 105 Brian Alexander, Pa | 1 | 6 | 91 | 55 | 130 | 68 | 22 | 6 | ----- |
| 106 Gary Biasini, Alta | 1 | 1 | 91 | 39 | --- | --- | 7 | 2 | ----- |
| 107 *Jeff Berger, Tex | - | -- | 91 | 35 | 202 | 39 | -- | -- | ----- |
| 108 *David Coursey, Tex | - | -- | 90 | 51 | --- | --- | -- | -- | ----- |
| 109 Dave Twiggs, Conn | 1 | 2 | 89 | 49 | 145 | 61 | -- | -- | ----- |
| 110 David Sarrazin, Colo | 1 | 2 | 89 | 41 | 122 | 49 | 21 | 6 | Cairo 9805 |
| 111 Andre Pineault, Quebec | 1 | 3 | 88 | 64 | 134 | 77 | -- | -- | ----- |
| 112 Susan Wyllie, Mass | 1 | 4 | 87 | 73 | 125 | 97 | -- | -- | ----- |
| 113 Ted Miszynski, Conn | 1 | 2 | 86 | 40 | 127 | 43 | -- | -- | ----- |
| 114 Troy Gower, Ill | 1 | 2 | 85 | 75 | 93 | 82 | -- | -- | ----- |
| 115 Larry Talbot, Wisc | 1 | 5 | 85 | 67 | --- | --- | -- | -- | ----- |
| 116 James Mulvey, NY | 1 | 3 | 85 | 64 | --- | --- | 16 | 11 | R Mogadishu 9585 |
| 117 Kent Willis, Ky | 1 | 1 | 84 | 36 | 154 | 38 | -- | -- | ----- |
| 118 Peter Schipelliti, Mass | 1 | 1 | 83 | 48 | 125 | 58 | 14 | 8 | ETLF 11830 |
| 119 Ciro Guarducci, BC | 1 | 4 | 82 | 73 | 169 | 112 | -- | -- | ----- |

| Reporter/Location | # Loc | # Yrs | C/H | C/V | S/H | S/V | Africa | | |
|----------------------------|----------|----------|-----|-----|-----|-----|--------|-----|--------------------|
| | | | | | | | C/H | C/V | Best QSL/Freq |
| 120 Tom Blossom, Ohio | 4 | 15 | 81 | 72 | 95 | 79 | 13 | 13 | ETLF 15315 |
| 121 *Gary Culbertson, Mi | - | -- | 78 | 52 | --- | --- | --- | --- | ----- |
| 122 Mickey Delmage, Man | 1 | 4 | 77 | 71 | 108 | 87 | -- | -- | ----- |
| 123 Timothy Noonan, Wisc | 1 | 2 | 77 | 59 | 157 | 84 | -- | -- | ----- |
| 124 Arnold Lausevich, Wisc | - | -- | 77 | 56 | --- | --- | -- | -- | ----- |
| 125 Richard Lucas Jr, NY | - | -- | 77 | 53 | --- | --- | 17 | 7 | ----- |
| 126 *Donald King, Pa | - | -- | 75 | 67 | 114 | 93 | -- | -- | ----- |
| 127 William Mann, Ont | 1 | 5 | 75 | 65 | 82 | 70 | -- | -- | ----- |
| 128 Jackie Cole, Colo | 4 | 4 | 75 | 53 | --- | --- | -- | -- | Abidjan 11920 |
| 129 Bruce Schoenfeld, Conn | 1 | 3 | 74 | 58 | 122 | 71 | -- | -- | ----- |
| 130 Kevin Mikell, Ill | 1 | 2 | 74 | 52 | 133 | 72 | -- | -- | ----- |
| 131 *Jim Ebrecht, Morocco | - | -- | 74 | 44 | --- | --- | -- | -- | ----- |
| 132 *John Walenter, Ill | - | -- | 72 | 67 | 79 | 72 | -- | -- | ----- |
| 133 *Greg Krause, Minn | - | -- | 72 | 57 | 96 | 62 | -- | -- | ----- |
| 134 Werner Hoffman, Calif | 1 | 1 | 72 | -- | 101 | --- | -- | -- | ----- |
| 135 *Adam Gaffin, NY | - | -- | 71 | 49 | 132 | 59 | -- | -- | ----- |
| 136 *Jerry Slaff, NY | - | -- | 65 | 58 | 90 | 76 | -- | -- | ----- |
| 137 Robert Ward, NB | 1 | 1 | 65 | 39 | 98 | 43 | 13 | 5 | ELWA 11945 |
| 138 Michael Bolitho, Ont | 1 | 1 | 62 | 45 | 70 | 50 | 15 | 8 | ELWA 4770 |
| 139 Larry Klassman, Ill | 1 | 1 | 61 | 50 | 76 | 61 | -- | -- | ----- |
| 140 Wayne Grow, Pa | 1 | 4 | 58 | 20 | 75 | 20 | -- | -- | ----- |
| 141 Anton Dubrick, Ill | 1 | 2 | 56 | 42 | 92 | 59 | -- | -- | ----- |
| 142 Bob Schneck, Md | 1 | 1 | 55 | 21 | 80 | 25 | 8 | 2 | Mauritania 4845 |
| 143 *Rex Wockner, Ill | - | -- | 48 | 47 | 69 | 65 | -- | -- | ----- |
| 144 Thomas Kenny, NJ | 1 | 2 | 47 | 24 | 57 | 30 | 7 | 4 | SABC 4835 |
| 145 Martin Alintuch, Mass | 1 | 1 | 46 | 40 | 56 | 46 | -- | -- | ----- |
| 146 Joe Dias, Calif | 1 | 3 | 46 | 37 | 59 | 45 | -- | -- | ----- |
| 147 John Hathaway, Ill | 1 | 12 | 44 | 20 | 215 | 48 | 6 | 4 | VOA Monrovia 11925 |
| 148 Lexington Smith, NY | - | -- | 40 | 20 | --- | --- | -- | -- | ----- |
| 149 *Walt Sharp, NJ | - | -- | 38 | 26 | 48 | 30 | -- | -- | ----- |
| 150 Bobby Dunnigan, NC | 1 | 1 | 33 | 13 | 42 | 16 | -- | -- | ----- |
| 151 Peter Giacopelli, NY | 1 | 1 | 31 | 24 | --- | --- | 4 | 2 | Springbok Radio |
| 152 Ken DeLong, Pa | 1 | 1 | 21 | 12 | 39 | 16 | -- | -- | ----- |
| 153 Joe Innat Jr, Pa | 1 | 1 | 20 | 17 | 25 | 19 | -- | -- | ----- |

* indicates that you must update your totals before the next scoreboard. I will drop your name unless I have some idea that you are active .

| TOP 10 Countries Verified | | | TOP 10 Africa Countries Heard | | | Countries Verified | | |
|---------------------------|----------------|-----|-------------------------------|------------------|----|--------------------|----------------|----|
| 1 | Bob Padula | 204 | 1 | Bob Padula | 62 | 1 | Bob Padula | 60 |
| | Richard Pistek | 204 | | Irv Johnson | 62 | 2 | James Young | 59 |
| 3 | Sam Barto | 203 | 3 | James Young | 61 | | Dan Henderson | 59 |
| 4 | James Young | 201 | | Dan Henderson | 61 | | Richard Pistek | 59 |
| 5 | Bill Sparks | 200 | | Richard Pistek | 61 | | Ed Shaw | 59 |
| | Dan Henderson | 200 | | Ed Shaw | 61 | 6 | Marlin Field | 58 |
| 7 | Al Sizer | 199 | | Dan Robinson | 61 | 7 | John Campbell | 57 |
| | Ed Shaw | 199 | 8 | John Tuchscherer | 60 | 8 | Bill Sparks | 55 |
| 9 | John Campbell | 196 | | John Campbell | 60 | | Alan Mayer | 55 |
| 10 | Marlin Field | 195 | | David Potter | 60 | 10 | John Sgrulleta | 53 |
| | | | | Alan Mayer | 60 | | | |

Since the last Scoreboard I have received comments from three members concerning the accuracy of some totals in Scoreboard, and these members subsequently pulled their totals out. It has been my policy to accept without question all figures sent to me. I shall continue to do so for two basic reasons. First of all I really do not have any way to check the figures. More important however is my belief that one of the fundamental principles of all radio clubs is honest reporting. Without it all reports submitted would be suspect and the information would be useless. Now it is no secret that someone could send in false reports and probably get away with it, but such glory would surely be hollow and sooner or later they would be caught. We are all guilty of becoming overeager in our quest for higher totals, and we all make mistakes, but it is our responsibility to be sure of our facts before reporting them. Since I believe that the vast majority of us do this, I do not even question any of your totals, nor do I plan to start.

Well, enough for the soapbox. I did not receive too many replies to my question on station totals, but the yes votes won. Out of room. Next deadline May 15. Spotlight ASIA.

John-John here, back at the mike for another DXH. Be on the lookout for the "second season." Aptly named so by expert Don Jensen a number of years back, it brings with it lots of Indos--if we are lucky--and some PNGs. As Peter Frampton says, "don't hesita-ate" and get on the ball and check out the action on 90, 75 and 60 meters! Don't waste your time on those hoary chestnuts that blow out 250kws, work out on those Indos and PNGs! j-j



DX HOTLINE

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February 22, 1977
Next deadlines: March 11,
March 22, and April 14.

NEW IRELAND - Radio New Ireland QSL in for country #217. (Gerry Dexter, Wisconsin) Congrats to a very fine friend of mine, and a QSL collector par excellant. Ger, when it comes to collecting QSLs you are without doubt the best in the world. j-j

MONGOLIA - QSL came in from RUB for 5053 along with an EE schedule card and a postcard of the Ulan Bator Hotel. Needless to say, this one made me very happy, because it is Mongolia and my VIC #80! (Mark Bixby, California)

PIRATE REPORT - The following is compliments of Andy Robins of Michigan, who is studying in Ireland for a period. Don't get too green with envy when you read...

6225 Radio Northsea Internationa noted 1015-1040 on 16 January w/usual R&R format. Mailing QTH: Postbus 47, Dedemsvaart, Netherlands. Requires at least one IRC to verify. Pgm was in EE.

6230 Radio Andorra/WMR, heard every Sunday from before 1000 with R&R px, mostly in Dutch w/occasional EE segments.

6260 Radio Valleri, noted 1000-1100 on 23 January but has now moved to the present frequency of 6202kHz. Is located near Dublin, Ireland. Mailing QTH: 134 East Worth Road, Chertsey, Surrey KT76 'DF, England. Requires at least one IRC for verification.

6270 ABC England, heard 1115-1145 on 6 February. Had an excellent dx pgm on free radio from 1130-1140 which mentioned that ABC England was being prosecuted by the British Home Office and that the staff had already been fined £25 each. Sked per John Campbell is 1100-1300 w/repeat of dx pgm on 1230. Operates 1st Sunday. Mailing QTH: 42 Arran Close, Cambridge, Eng.

6280 Radio Solent City International, usual pirate pgm noted on 30 January. 1007-1045. QTH: Kent Place, Norwell, Newark, Nottinghamshire, England.

COOK ISLANDS - On 2/6 at 0758 finally logged this one! on 5045 with a weak signal, but readable enough to establish a // to Radio Australia on 5995, and 6045. At 0759, freqs were given along with a RA ID. The news came on at 0800 and at 0810 there was a 15 minute pgm from the Gladsville church in Australia. Though no ID for Cook was heard, the //s have me convinced. (Bixby, California)

EQUIPMENT NEWS - The new Panasonic 2200 with RF stage is due out on April 1st. From reliable source while I was in New York, it will list at 150.00, but this source tells me he will probably sell at a discounted price of around \$110.00. Has a direct read-out, and a bit better than its predecessor. (Larry Magne, PA)

UNIDENTIFIED - USB time station on 11660.5 from 2230-2305 in SS, with continuous TCs every 10 seconds by a woman. (Larry Magne, PA)

BOLIVIA - Recent monitoring observations show Radio Robore, Department of Santa Cruz, operating on 5312 kHz. (BBCWS) Lets get on this one, you Bolivian freaks! j-j

NICARAGUA - Radio Bonanza, Mina Bonanza, has been observed on 9580 kHz. The station announced that it broadcasts additionally on 9520 kHz (Ed. Note: Not confirmed). Transmission times are 1100-0400. (BBCWS) Too bad, if this is really so, because 9580 is always covered by some (hi hi) powerhouse. j-j

PORTUGAL/AZORES - Al Miller just phoned to say that the latest issue of the BBCMS lists 4865 as Portugal, broadcasting a program to the Azores. I have not received my copy of the BBCMS yet, but if this is truly the case, please accept my humble apologies for misleading one and all on this one. However, the BBCMS has been known to error in the past, and I shall withhold final judgement on this one until something very definite comes in. As I stated before, a reliable source told me the Azores was slated for a 120kw tx. Let us wait and see. I cannot ignore the fact that dozens of very reliable dxers have heard an ID for the Azores on 4865. j-j

GREENLAND - Godthab from 1930-2015 on 9575 with mostly OM and YL talk. Only two music selections for this period. Language definitely either Danish or Greenlandic. Into a church service at 2003. RAI not here during this time. Tnx to Vic Jaar for this one. (John Sgrulletta, New York)

DOMINICAN REPUBLIC - 4987 Radio Neyba is not on SW, despite what some would have you believe. Vic Jaar called your editor the other evening, in answer to my letter inquiring about this one, and said that Lama Jaar, the WRTVH listed director for this one, is his cousin. Vic says Neyba is not on SW, and that the only thing going for Lama right now are a couple of MW outlets that he owns. Remember, if you are not sure call it tent., or call it unid. Do not mislead your colleagues! I for one am through being kind about the bullshit that finds its way into print. Lets get tough gang. j-j

NIGERIA - Benin noted here on 4932 from 2240-2300* with jazz and pop music. OM to 2300 then "talking drum" IS, time pips, and into seeming YL and OM alternating talk. Closing anmts by YL into short anthem and off. (John Sgrulletta, New York)

HELP WANTED - Brad Lovett, of the very fine MVDXC is still in need of a publisher for the clubs bulletin, "MVDXC DX World." If you are seriously interested in helping this fine group please give Brandon a call or drop him a line at 421 East College St., Coldwater, OH 45828. Your DXH editor belongs to the Miami Valley DX Club, and he thinks its just great! j-j

LAOS - A recent survey of Laotian regional radio stations has revealed that Savannakhet radio broadcasts on 7385 kHz, Xieng Khouang radio on 5440 and 4603 kHz, Luang Prabang radio on 8186 and 6975 kHz and Houa Phan Province radio on 6230 and 4650 kHz. These stations at certain times relay the national domestic service from Vientiane. (BBCMS) When was the last time anybody got a QSL from Laos? j-j


GLDKA - If you are looking for the best of dx and the latest tips, you should tune in to the Great Lakes DX Association's bulletin, "NEWSMEMO." Published by the incomparable Bill Whitacre, with a fine SW column by James Ronda, this 8 pager is a must for all serious dxers. Cost is only a SASE and a token fee upon joining. For complete details contact the Whit at 2609 Devonshire, Lansing, Michigan 48910. You won't be sorry, its the best thing going around today! j-j

PERU - 3240, Radio America noted 1049-1101 with folklorico vocals, M in SS at 1053 with ID, then into ads by a M&W, then more music. Anybody know the status of Turismo? your editor on 2/19

VENEZUELA - 4910, Radio Carora, 0345-0355* with LA music, ID and NA on 1/26. (John Tuchscherer, Wisconsin)

BELIZE - 3285, RB still noted announcing SW fqy at 3.3 MCS! This on 2/13 at *1200, with anthem, ID. (Jack Jones, Mississippi) Jack, sorry to hear about your receiver problems. Hope it all gets cleared up in a hurry. j-j

UADX - The Union of Asian DXers, after an untimely lapse of some six months, has resurfaced again under the able leadership of Victor Goonetilleke. The latest bulletin is jam-packed with great logs. If you are seriously interested in Asian dxing, this is the one for you. Drop Vic a line at 32/4A Malwatta Road, Dehiwala, Sri Lanka, for full details on cost, etc. My personal congrats go out to Vic on the birth of his and his wife's first harmonic back on Sept 15, 1976. Vic says that "harmonic radiation will not QRM UADX in 1977." Let us all hope so, and the best to you Victor G! j-j

A bit lax this time, eh rang? Lets get those logs in to me every month. I know condx have been bad, but this poor? Remember the Wseason." I want Indos galore for the mid-monther in March. Help me out. 73s de 

log report section



Dan Robinson, EDITOR
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1605-4900 kHz

MARCH 1977

We've come full circle once again, and IR-A is now down to five pages. I'd like to remind everyone (especially new reporters) that loggings should be sent to Greg Ravenhorst in Hollandale, not directly to me here in Washington. I trust you have all had a good DX season--it turned out a little better than expected at the start, with some good items in January and February like Guinea-Bissau and Lesotho. NASWA/SWL/DX/ lives!!!

- 2340 CHINA Fuzhou; PLA-1 px hrd here at 1509, M in CC tlk (Bryan 1/16)
2340t PAPUA NEW GUINEA R. West New Britain; 1250 w/terrible signals, almost no audio but still there @ 1306 when other PNGS off--China?? (Laves 1/9) Probably--RW
2360 GUATEMALA R. Maya de Barillas; 1120 w/ID, tlk in lang, local mx (Cohen 1/22)
2376 PAPUA NEW GUINEA R. Chimbu; 1251 vy wk, various kinds of mx, poss. Pidgin tlks-- audio hrd only on SSB (Laves 1/9)
2390 GUATEMALA LV de Atitlan; 1145 in SS, mx, tlk by M w/ID (Fedor 1/31) 1321-1334 SS w/ID, mx (Poppin 1/14) 0215-0245 vocals, guitar mx, tlk (Thompson 2/3)
2409.7 PAPUA NEW GUINEA R. Eastern Highlands; 1251 w/poor sigs (Laves 1/9)
2430 CHINA PLA-2; Fukien Front stn noted in CC, 1513, mx also (Bryan 1/16)
2450 PAPUA NEW GUINEA R. Western Highlands; 1251 same level as other 120 meter PNGS at this time (Laves 1/9)
2460 CHINA Yunnan; 1522 CC, mx w/M in tlk (Bryan 1/16)
2468.4 PAPUA NEW GUINEA R. Northern District; 1251 some mx and tlks (Laves 1/9)
2510 S. KOREA Taegu; 1132 in KK with march mx, M&W in tlks, good level (Beal 1/29) 1531-1553 KK, M&W in tlks (Nebron 2/7, Bryan 1/16)
2600 CHINA PLA-2 Fuzhou; 1535 in CC, M & W in tlks (Bryan 1/16)
3015 N. KOREA Pyongyang; 1543 M in KK tlk (Bryan 1/16)
3020t INDONESIA RPDK Kendal; 1612-1619, orchestral mx, six minute piece; tlk by W in lang--this stn listed WUH (Poppin 1/19) Also listed 250 watts--DR 1
3032 N. KOREA Wonsan; 1547, M w/mx (Bryan 1/16) Language?
3200 CHINA PLA Fuzhou; 1319-1322 CC, commentary (Poppin 1/30)
3204 NIGERIA NBC-Ibadan; 2155-2204 in EE w/chants, short rx in EE 2200, and back to chants (Osterman 1/28)
3205 BRAZIL R. Riberiao Preto; 0804-0810 w/PP ID at 0804, Brazilian music with accordions, guitars, vocals (McLaughlin 1/15)
3205 DOM REP LV de la Libertad; 2225-0007 w/M ancr in SS tlk, TC's, ID's as "LV de Libertad, 1240 khz..." seldom see this one rptd (Krueger 1/15) 0000-0010 w/vocal by M, ment of Dom. Rep; ads-- this on 3207a (Moritz 1/24)
3205 JAVA RRI-Bandung; 1332-1345 in Indo tlk, island music w/vocals & flutes (Beal on 1/8, Sherman 1/22) I assume Gorontalo still present here--DR
3210 MOZAMBIQUE Radio Mozambique; 0402, M in PF tlk, background mx (Bryan 1/16)
3215 DOM REP R. Libertad; 0050 SS ID's, LA pop music (Bishop 1/12) This one, as per the above seems to have moved to 3205v --DR
3220 PAPUA NEW GUINEA Radio Morobe; 1150 in Pidgin, CW type mx, lang vocals (Beal 1/7) R. Morobe/R. Madang simultaneous test 1200 w/two SFR-4's had Morobe the stronger by 4 S-units (Ferrell 1/14)
3220 CHINA RP; 1555 in CC, classical mx, W in tlk (Bryan 1/16)
3222 TOGO Lema-Kara; 2145-2232* M in FF tlk, probably nx to 2157, into FF and local mx; NA 2230 (Osterman 1/19, Gionet 1/30) 0654 in lang tlk, 1cl mx (Bishop 1/31)
3222a UNID: 1120-1130 in lang, country and pop mx, EE ID (Dunn 1/5) Guy, it appears that you had none other than the above Radio Morobe. . .DR
3223 BALI & LESSER SUNDA RRI-Mataram; 1332-1350 in possible Indo, vy wk (Sherman 1/22) 1515-1520* Indo, W w/tlk, then music and off (Uerlings 1/29)
3223 SWAZILAND Swazi Comm. Radio; 0400-0420 in EE w/ads for furniture, mx (Nebron 2/9, Bryan 1/17)
3225 VENEZUELA R. Occidente; 1055-1110 in SS w/LA mx, TC's, ID's (Zilmer 1/15, Ware on 2/7) 2340-0147 SS, w/LA vocals, ads and ID's (Bishop 2/4, Yajko 1/22, Dunn 1/30)
3225 GUATEMALA R. Maya; 1120 in SS, organ mx w/oldies, ID 1122 (Beal 1/30)
3227t LIBERIA ELWA; 2214 in lang, lots of yelling by M & mx (Dunn 1/30)

- 3230 TAIWAN BCC; 1525-1558 in CC w/M&W in tlk (Uerlings 1/29, Bryan 1/16)
- 3232 UNID; an Indonesian station here 1200-1400, good level w/UTE; seemed RRI (Willis)
Jim Young in TDXX-56 says Bukittinggi // 4885 at 1540 --DR
- 3235 INDIA AIR-Gauhati; 1315 w/EE armts, some QRM de 3232; E (Willis)
- 3240 SWAZILAND THR; 0324-0335 in listed Twana, lang tlk by M, rel. group songs, some UTE QRM (Sherman 1/22) EE rel pgm 0324 (Bryan)
- 3241 MOLUCCAS IS RRI-Ambon; 1330 in Indo w/Island music, steel guitars (Beal 1/8)
- 3243.5 IRAQ R. Baghdad; 2140 in solo AA chants; 2157 M in Kurdish and into classical NA to 2159* (McNeil 1/19)
- 3245 VENEZUELA R. Libertador; 1045-1115 SS, LA mx and armts (Zilmer 1/15, Tannenwald)
0318-0357* SS, LA pops, tlks (Sherman, Macris, Nebron, Thompson, Bryan, Sapoznik)
- 3250 KALIMANTAN RRI-Banjarmasin; 1330 in possible Indo, vy wk (Sherman) 1402 in. kow
Indo tlk (Beal 1/8)
- 3250 SOUTH AFRICA SABC; 2219-0331 EE, rock mx, ID's, ads (5 rpters)
- 3255 BRAZIL R. Educadora do Cariri; 0819-0905 in PP, Brazilian mx w/organ, guitars,
tlk after 0900 (McLaughlin 1/15)
- 3255 VENEZUELA LV del Tigre; 1030 w/SS tlk, ads, ID (Zilmer 1/15) 2245-0258 with the
same (Bryan 1/16)
- 3260.5 ECUADOR R. Rio Carrizal; 0005-0105--Victor Newman rpts UNID for this; Vic, I be-
lieve this is the above--DR 0335 uptempo LA pop, SS M w/TC and clear ID, more
tlk, into NA to 0340*; good on peaks, but with very deep cyclic fades (McNeil 2/1)
- 3270 BENIN LVR; Noted 1/15 only when 4870 not on, 0422-0645 w/usual stuff--prob the
4870 tx (McNeil)
- 3275t BRAZIL Bauru Radio Clube; 0912-0920 PP, hrd "Brasileira" M in vocal ballad mx,
but f/out by 0920 (McLaughlin 1/15)
- 3275a SUMATRA RRI-Medan; 1525 in Indo, M w/EE & Indo vocals (Uerlings 1/10) Jim, the
only thing currently listed in WRH this freq is Medan to 1700, correct me if I am
wrong. . .DR
- 3275 VENEZUELA R. Mara; 1015-1115 SS, ID's, LA mx (Sapoznikow, Zilmer, Tannenwald)
0228-0250 LA pops, occasional SS ID's, nice signal (Cohen 1/23, Bryan 1/16)
- 3277t JAVA RRI-Jakarta; 1313 in possible Indo, but too weak (Sherman 1/16)
- 3280 ECUADOR LV del Napo; 0210-0305 SS, LA pops, ID's/TC's by M (Krueger, Bryan)
- 3285.5 BRAZIL R. Clube de Teresina; 0925-0935 PP, ID 0928; Brazilian mx (McLaughlin)
- 3285 BELIZE RB; 0108-0500v* EE programming, nx, ID's, vocals and some SS tlk as well;
1146-1158 w/EE tlk, // 834, mx (13 rpters)
- 3290 GUYANA GBS; 1133-1140 EE, tlk about agriculture along with mx (Schulman 2/1)
- 3295 VENEZUELA R. Trujillo; 1102 SS, ads, tlk (Zilmer) 0115 SS, LA pops (Bishop)
- 3300 GUATEMALA TGNC; EE, rel. px fm 0058-0430, organ mx; EE supposed to start 0300
1130 in SS, rel. px, mx (7 rpters)
- 3305 UNID; 1030 in lang; seemed EE, stringed mx 1034 (Hywarren 1/15) Yep Aaron, I say
R. Western District although there is a Brazilian there poss--DR
- 3306 RHODESIA REC; 0330 in lang, mx and tlk (Bishop 1/11) 0358-0405 EE, nx // 3396 at
fair signal level (Ware 1/21)
- 3310 CHINA Changchun; 1417 CC, M&W in tlks (Bryan 1/23)
- 3315 MARTINIQUE FR3; 2355-0130 FF, W DJ w/EE disco and pops (Krueger 1/22, Schulman)
- 3316 SIERRA LEONE SLES; Freetown noted 2115-2332v* in EE px, pop mx, nx 2300; plays
"Child of the Universe" at s/off before NA; also 0558-0705 EE, BBC nx 0700 ---
Had interesting items during trouble in Sierra Leone (12 rpters)
- 3320 SOUTH AFRICA SABC; 0510-0527 pop mx, armts (Hall 1/4)
- 3322 PAPUA NEW GUINEA R. Bougainville; 0800-0830 Pidgin, nx & cmty, coconut drums IS7,
(Hoffmann 1/31) 1150 EE/Pidgin mx and tlks-TENT (Schipellitti 1/7) 1508 M in lang
tlk, W in Indo type lang (Beal 1/8) Hobart, check their s/off; usually 1300*--DR
- 3325t IRIAN JAYA RRI-Jayapura; 1336-1400* in Indo? tlk by M&W, Love Ambon at s/off;
vy wk but readable due to good modulation (Sherman 1/22) 1400* not listed WRH
- 3325 GUATEMALA R. Maya; 1135 march mx, ID by W, rel mx, ID "Radio Maya" (Ware, Breeden)
0045-0310 SS, ID's, SS tlks, organ mx (Thompson 1/19, Bryan 1/10)
- 3325 VENEZUELA R. Monagas; 0045-0335 SS, LA mx, ID's (Tannenwald 1/30, Bishop 1/11)
- 3325 BRAZIL R. Gazeta; 0215 in PP, Brazilian mx (Bishop) There's a difference between
LA mx and Brazilian music; helps in IDing the station also --DR
- 3330 UNID; mixing with CHU 1310; mx, UNID lang sounds Asian-Pakistan? If so, which
one? (Laves) Peshawar was rptd in TDXX a while back, but now WRH lists Islamabad
for 1400 time slot--DR
- 3335.2 SENEGAL Ziguinchor; 2255 FF, M w/tlk in FF, lcl mx (Mayer) 0602-0708 FF, tlk by
M, into AA chants by M; is not //4890--3335.2 measured against CHU (McNeil, Bishop)
- 3339 ZANZIBAR RTZ; *0258-0303 w/IS, brief tlk by M, anthem, more tlk; 4785 blasting in
at same time (Sherman 1/17)
- 3346 ZAMBIA ZBS; EE nx 0702 (Bishop) Careful Gerry-this too late for Lusaka. I suggest
you had EE nx fm Ghana 0700, 3350 OK? --DR
- 3350 GHANA GBC; 2125 better than 4915, M in tlk in lang (Gionet) Thanks for the rpt Onil
- 3355 VENEZUELA R. Impacto; 1042-1110 SS, LA pops; 2305 w/same (5 rpters)
- 3360 CHINA RP; 1200 w/Taiwan Service // 5125, G (Willis)

- 3360 PAPUA NEW GUINEA R. Milne Bay; 0957-1045 w/pop mx, amnts in lang (McLaughlin, Hywarren) 1240-1245 EE request show w/DJ (Dunn)
- 3360 GUATEMALA IV de Nahuala; 1205-1220 group vocals, inst mx (Earhart) 0115-0225 in SS, LA mx, several ID's, marimba mx (Bryan 1/10, Bishop 1/10)
- 3365t BRAZIL R. Educ. de Parnaiba; 0815-0843 w/FP chatter, vocals and M&W in occasional tlk; no ID, but other Brazilian this freq not sked till *0900 (Moritz 1/16)
- 3366 GHANA GBC; 2144-2307* EE nx 2245, rel. px, hymns (Onken, Mooney, Gionet, Fedor)
- 3375 INDIA AIR-Gauhati; 1530-1545 EE, mx (Nebron 2/6)
- 3375 ANGOLA R. Nacional; 2235-0000* in PP, lcl and pop mx, M in PP tlk, ID at 2300 (Mayer 1/17, Sherman) 0500-0545 ID, pop mx px (Bishop)
- 3380 MALAWI MEC; 2155 EE, local mx, ID, summary of nx, to 2210* (Fedor) 0332-0430 w/group vocals, mx, tlk in Chichewa/EE (5 rpters)
- 3380 GUATEMALA R. Chortis; 0145-0305 SS, rel px, "musica Jocotan" (Krueger, Thompson, Osterman)
- 3385 FR. GUIANA FR3; 0030 in FF, tlks, pop mx (Bishop) 0425 in FF w/Carib mx, amnts, (Cress) 0501-0510 ending vocal at t/in, M in FF w/freq, ID, into Marseilles, and guitar IS; CC from 0506-what's going on? (Moritz)*0900-1003(Hall, Earhart, Tannenwald)
- 3385 PAPUA NEW GUINEA R. Rabaul; 1245 in Pidgin, pop mx, M ancr (Beal)
- 3386}v AFGHANISTAN RA; 1527 in lang, vocal mx, 1530 slow pips, ID, nx in Pushto/Dari by M&W; seems ex-3390 (Junqua)
- 3390 ECUADOR R. Zaracay; 1035-1151 Ecuadorian mx, ID's (Camillo, Tannenwald, Fedor) 0110-0401 pops, LA mx, many ID's (Brookwell, Ware, Grenier, Bryan)
- 3395 VENEZUELA R. Universidad; 1100-1123 ID's in SS, tlk, TC's (Jones, Tannenwald, Breeden) 0345-0358* SS, tlk, LA mx, NA at s/off (Zilmer)
- 3396 RHODESIA RBC; 0350-0425, EE nx by M (Bryan, Bishop, Gionet, Breeden, Sapoznikow)
- 3396 NGERIA MBC-Kaduna; 0450-0455 in vern, lcl mx (Mayer 1/31)
- 3425 NEPAL RN; 1210-1430 in Nepali, lcl mx and instrumentals, tlk by M (5 rpters)
- 3450mf CHINA RP HS; HS-1 hrd good lvl 1210 (Willis)
- 3507 INDONESIA UNID; 1255 a stn at fine lvl, mx and amnts, traced till after 1500-- is not 3508 or 3510 which were considerably weaker (Willis 1/20)
- 3541 INDONESIA RPKP-Bangkalan; 1415 in Indo tlk by M, songs by male group (Beal 1/8)
- 3549} W. TIMOR RRI-Kupang; 1341 Indo tlk? by W, weak (Sherman 1/22)
- 3640 CHINA PLA; 1300 w/CC nx (Willis)
- 3900 CHINA PLA-Fuzhou/Hailar; 1130 CC, tlks, march mx, both are listed for this time in MGH (Bishop)
- 3905 INDIA AIR-Delhi; 1330 Hindi nx; on 1/10 // 6015 (Willis)
- 3915 MALAYSIA SBC-Tebrau; 1502 EE, M in tlk about CC current events (Beal 1/8)
- 3925 JAPAN NSB; 1500 in JJ, M w/ID, TC, pips (Bryan 1/23)
- 3930t CAPE VERDE IS R. Barlavento; 2250 in QRM (Dunn) Has to be PP Guy--DR
- 3940 CHINA Hupei JKT-Wuhan; 1048 w/poor sigs, W in CC tlk (Laves 1/9)
- 3945 NEW HEBRIDES R. Vila/NHS; 0915-0937 in FF, tlks, pop mx, ment of "Vila" (Bishop)
- 3955 SOUTH AFRICA SABC; 1754 and 0428 in EE and Afrikaans; 1759 ID as "R. RSA" and IS at 1800, into nx; Junqua 1/13, Bryan 1/17)
- 3974} JAVA RRI-Surabaya; 1220 w/Indo mx, fair to good modulation (Sherman 1/16) 1435 Indo, organ mx, M w/Indo amnts (Beal 1/8)
- 3975 GT. BRITAIN BBC; 0615, EE lang nx or comment (Dunnigan 1/25) 0720 (Jordan)
- 3980 SOUTH AFRICA SABC; 0234-0259 EE pops //3250(which goes off 0300) (McNeil 1/27) 0259 pop mx, 1. w/ID; this in Afrikaans (Bryan 1/10)
- 3980 GERMANY VOA-Munich; 0300 EE, African Safari nx, ID (Jordan)
- 3985 ECUADOR hsc Radiofonica Pop; 0200 SS w/nx on hour, beautiful mx (Hywarren 1/12) 0236-0302- w/Andean folk mx, SS amnts, ID (McNeil 1/27)
- 3990 GERMANY R. Liberty; 0227 w/RR tlks by W, 0230 bells IS, M with "Govorit Radio Svoboda" and into nx--listed for RFE, and not this time at that (McNeil 1/27)
- 3990 LIBERIA VOA-Monrovia; 0415 w/M in EE cmty (Imbert, Hywarren)
- 3995 SOUTH AFRICA SABC; 0336-0420 EE, mx, ID's, VOA splatter (Imbert, Bryan, Hywarren, Poppin) Imbert also rpters DW under RSA at 0424--DR
- 3995 ASIAN SSR Nikolayevsk; 1620 in RR w/classical mx, M ancr. (Bryan 1/16)
- 3998 VIETNAM Hanoi; 1404 w/VV People's Army px, M&W in tlk, "martial"mx (Brookwell)
- 3999 GREENLAND Grønlands Radio; 0245-0306 in Greenlandic w/folk mx, amnts, anthem to 0306 // 700 kHz MW (Sehnabel 2/5) old US pop mx w/W ancr, choral mx (Smith 2/5) 1630 w/rel. px, W ancr at s/off (Bryan 1/16) Jim-it's not Eskimo, but "Greenlandic"
- 3999.8 AFGHANISTAN RA; 0238 W ancr in tlk (Dari), into Middle East type mx and chants at 0240 (McNeil)
- 4040 USSR Kazakh SSR; 1328-1331 listed by DSWCI, noted w/ orch mx, Moscow chimes and TC as "16 chasov 30 minoot" (Poppin 1/30) 1305 in RR tlk, class mx (Bryan)
- 4055 EUROPEAN SSR RM; 0545 w/RR tlk by M (McNeil 1/16)
- 4068 CHINA Huehaote; 1331 in CC, commentary and music (Poppin) 1453 w/lcl mx, M&W in presumed Mongolian tlks (Bryan 1/23)
- 4092 VIETNAM Viet Bac; now noted 1100-1400 on this new channel replacing 4102v; is // 6904 (Willis)
- 4163 INDONESIA UNID; 1100-1600-is a Sumatran, but no ID hrd (Willis)

- 4425 BOLIVIA R. Paititi; 0147 thru 0350 w/ mx px, ID by W "Paititi. .en Bolivia-- great for 250 w., (Sherman, Laves, Moritz, Field)
- 4485 ALIA SSR Petropavlovsk; 1640 in RR w/classical mx (Bryan) 0550-0634 organ mx, RR tlks (Poppin, Hoffmann)
- 4485 USSR Bashkir; 1335-1338 according to Danish SW this time slot, empty (Poppin)
- 4602t BOLIVIA R. Amore; 0310 w/ mx px, no ID hrd (Field)
- 4620 CHINA RF; 1425 w/rapid CC tlk in supposed Korean svc to 1454* (Brookwell, Poppin)
- 4635 TANZANIA SSR Dushanbe; 0234-0245 in RR w/orchestral mx (Mayer)
- 4682½ USSR; 1425 in lang, W in tlk (Sherman 1/22)
- 4696v BOLIVIA R. Kiberalta; 0009-0433 w/inst piano selection, M in rapid SS tlk---this is usually the strongest Bolivian on a daily basis below 4800 (5 rpters)
- 4699 JAVA RKIP-Surabaya; *0955 w/fair sigs; hrd fm 0952 t/in in beautiful South Sea mx IS, after s/on into apparent mx #1000 (Laves 1/9) 1434 in Indo, W in tlk(Bryan) 1635 in lang, W in vocal, lcl string inst (Beal)
- 4719 SIAMESI RRI-Ujung Pandang; 1230-1515* Indo, ads mixed w/mx; sked extended on Saturdays hrd till 1548 f/out (5 rpters)
- 4720 CUBA: As regards this station, this is definitely the Cuban; reports of AC Mindelo, Cape Verde at 1300, which would be impossible, or at 2100 should be thought through before sending them in--DR
- 4725 BURIA BES; suspect BES but px on 2/8 made no sense--at 1145 a M in lang tlk, then a W singing in lang, BUT the tune was a Methodist Church hymn! This was followed by songs like American folk songs; if this is BES, it's a strange one(Ferrell) 1415-1438 strange noises, presumed to be mx, mounded // 5040 (Sherman, Bryan)
- 4738 BOLIVIA R. Abaroa; 0102-0403 in SS, tlk, sent "Abaroa" folklorico type mx (Bryan, Field, McLaughlin) 1037-1046 t/in w/the same (Moritz)
- 4750 ZAIJE R. Lubumbashi; W in tlk in vern 2035-2040, into African rhythms 2040-1st time hrd this year (Padula) 0410 Fr, lcl mx, vocals (Bryan, Bishop)
- 4755a BRAZIL Rdif Maranhao; 0000-0312 PP, sports events, M in tlk, ads (Bryan, Yajko, Zilmer) 0904 w/peppy fiesta mx, PP tlks and ID's (Laves)
- 4760 SWAZILAND TR; 0359-0430 IS, ID "Manzini Swaziland" choir mx (Breedon, Bryan)
- 4760 VENEZUELA R. Frontera; *1005 SS, NA, s/on amnts, pop mx (Bishop)
- 4764 SUMATRA RRI-Medan; 1435 in Indo, male DJ, mx, chants (Sherman, Bryan, Brookwell)
- 4765 CONGO IVR; 2005-2145 FF amnts, African mx (Bryan, Padula, Gtonet)
- 4767 SUMATRA RRI-Medan; appears to drift periodically says Mike Hardester, Okinawa..
- 4775 BOLIVIA R. Tropicco; hrd at 1000 s/on w/ID "Radio Tropicco desde Trinidad, capital de Beni en republica de Bolivia.." (Field)
- 4775t BOLIVIA R. Los Andes; 0424-0427* few bars of Presumed NA and off (Earhart 1/16)
- 4775 INDIA AIR-Gauhati; Indian mx and W anc 1205, carrier off 1216 per sked(Ferrell)
- 4775 COLOMBIA R. Kennedy; 0326 in SS, prayers, then tlk in EE, NA (Miller)
- 4777 GABON RTVG; 2040 and 0445 FF amnts, lcl mx; 2335 * on 1/28 (8 rpters)
- 4780NF GUINEA-BISSAU: A suprise to find this one fm 2000 to 0000--2320 PP political pop w/mx mixed in, 2335 into rock/pop/ soul mx; W w/ID "Radiodifusora Nacional da Republica Guinea Bissau. ." clear as a bell, and listed both 5041 and this new freq, short NA to 2359* Excellent signals *0600.....At first, some thought this to be "Azores" on a move; some beautiful string music can be hrd on this stn! Not recently noted on 5041 (Ware, Robinson, McNeil)
- 4780½ AFRICA & ISRAEL Djibouti; 0340-0348 Western sounding mx, possible rx 0343 though sked for 0345 (McNeil 1/22) 0403 Koran by M (Shingler 1/18)
- 4783 MALI RF; *0556 t/in, NA to 0600, ID in FF by I, into mx summary to 0602 when into chants--excellent strowth(Hywarren) 0708-0725 (Krueger, Schwartz)
- 4785 TANZANIA RT; *0258-0500 Swahili, IS of 5 descending chimes, M, W in tlk, group tlk and singing, clear ID 0325-daily (Sherman) 2195* ID, NA (Padula)
- 4789½ IRIAN JAYA RRI-Takfak; 1052 Indo w/C & W mx, P in tlk (Hoffmann) Out of order..DR
- 4785 CHINA Kunming; 1035 in CC tlk (Hoffmann) 2230 M in CC tlk (Ferrell 2/6)
- 4785 AZERBAIJAN SSR Baku; 2142-2200* w/orchestral vocals by M, chorus (Moritz) 0445 RR, mx, ID and comty (Schwartz)
- 4790 PERU R. Atlantida; 0300-0455 w/light LA pops, "Buenos Noches Peru y el Mundo" and many ID's, PSA's (7 rpters)
- 4794.6 BRAZIL R. Tabajara; 0118 w/mx, heavy drumming, PP amnts by M (Laves)
- 4795 BOLIVIA R. Nueva America; 1030-1035 w/ID and freq, QTR; at 1032 by M in SS--"desde La Paz. . . Republica Bolivia. . . Radio Nueva America (Moritz 1/30)
- 4800 LESOTHO RL; Everyone's rarest country is now all too common--0407-0503 noted weakly under UTE in apparent choral service; M in lang tlk, best during 0440-0455 period (Moritz 1/22) 0419 M in lang tlk (Bryan)--R. Lesotho has been booming in here, almost equal to Botswana's level...BEC mx 0500 usually audible --watch R. Pop Indep 4799½ --DR
- 4804 KENYA VOK; 0540-0550 EE, M in tlk, Afro mx (Sehnabel 2/1)
- 4805 JAVA RRI-Jakarta; 1453 Indo? nothing else rptd, ID'ed here (Sherman 1/22)
- 4805 BRAZIL Rdif do Amazonas; 2217-0130 w/light inst mx, ads, PP amnts; ID's between songs and mention of "Amazonas" (Moritz, Macris, Hywarren, Bryan)
- 4815 UPPER VOLTA RTV; 0627-0640 FF tlk, mx, good lvl (Bishop, Schulman)

- 4815 COLOMBIA R. Guatapuri; 0018-0526* w/TODELAR plugs, LA mx, ID's (5 rpters)
- 4820 HONDURAS HRCV; 0300-0500* EE rel. programming, ID and soft mx, "Pacific Garden Mission" px (7 rpters)
- 4825 USSR Ashkabad; Moscow 2 px 2110-2140 //4895, 4930 (McNeil)
- 4825 DOM REP LV de las Fuerzas Armadas; noted at 0359*, NA, ID (Brooks, Hywarren, and Bryan)
- 4825 GUATEMALA R. Mam; 0110-0130 in Indian dialect tlk, some mx (?)
- 4830 VENEZUELA R. Tachira; *1023 in SS, NA, mentions of Venezuela, ID, ads (Ware)
- 4835t PAKISTAN Islamabad; 1513 in lang, Mideast type mx, tlks, Koran chant (McCoy 1/28)
- 4835 SARAWAK RMS; 1450 in Malay w/tlk (Bryan)
- 4835 GUATEMALA R. Tesulutlan; 1207-1251 SS, ID's, marimba mx, TC's--usually not hrd with decent signal (Breeden, Sapoznikow, Ferrell, Roberts, Lineback)
- 4835 SOUTH AFRICA SABC; 2150-2207* and 0400 w/usual px, ads, EE tlks (9 rpters)
- 4840 VENEZUELA R. Valera; SS 0254, K ancg soccer game (Bryan)
- 4845 BOTSWANA RB; 0340 IS, s/on 0359 and into Setswana tlks (10 rpters)
- 4845 MAURITANIA Nouakchott; 0615 and 2215 w/chants, NA at close (5 rpters)
- 4850 UZBEK SSR Tashkent; carrier quickly on 1157, and quick ID unable to catch it; into full orchestral px (Ferrell) 0201 M&W in tlk in RR (Bryan)
- 4850 DOM REP R. Clarin; 2330-0000 EE px w/tlk on Dom Rep, listener's letters--"Radio Clarin, the Intl Bdcstg Stn of the Dom Republic" (11 rpters)
- 4853 YEMEN Sanaa; 0406 AA chants by M, then AA tlk (Snyder 2/6)
- 4855 SUMATRA RRI-Palembang; 135901445 Indo, Love Ambon (Sherman)
- 4855 BRAZIL RC do Para; 0130 PP, Braz. mx, ID's (Bishop) 0330 in PP, M w/nx, ads(Bryan)
- 4860 PERU R. Chinchaycocha; 0737-0752 w/big band march type lcl tunes, ID by M 0746 then into "del campo" style vocal by M; ID as "Radio Chinchaycocha, Junin"
- 4865 PORTUGAL/AZORES: On checking with the Portuguese Embassy here in Washington, nothing further was learned about the location of the 4865 transmitter, in fact they didn't know anything about it.... For those hearing "Ponta Delgada" ID's make sure they are ID's; 2030 PP tlks, inst and vocal pieces, TC's, Ponta Delgada ID's from 2357-0101* (Brooks) 2155-0108v* (Schulman, Hywarren, Hammer, Schwartz)
- 4865 BRAZIL R. Soc Feira de Santana; 0010 PP, US and Brazilian pops, ID (Yajko)
- 4870 BENIN LVR; after the coup attempt 2100-0630 all night w/speeches, slogans, FF tlk, shouting etc....(9 reporters)
- 4880 IRIAN JAYA RRI-Sorong; 1400* Love Ambon (Sherman 1/22)
- 4880 SOUTH AFRICA SABC; 0452 nx, tlk, and the usual (Hywarren, Poppin, Bryan)
- 4885t ANGOLA Voz do Zaire; 0423-0429 in African vocal mx, 0429 W in lang, tlk, then brief mx, followed by V again (Shingler 1/24)
- 4885 PERU R. Huancavelica; 0433-0505* folkloric inst and vocals, M in SS tlk now and then; ID by him 0502 over "El condor pasa" (Moritz 1/31)
- 4890 SENEGAL Rdif du Senegal; 0557 s/on in vern, FF ID, strong sigs (5 rpters)
- 4890 PAPUA NEW GUINEA, Pt. Moresby; 0700-1428* skits, TC's, ID (12 rpters)
- 4895 MCAIRIQUE RM; 2200-2215 singing and drums, not much else (Schulman)
- 4895 SARAWAK RMS; 1400 EE, mx, nx, ID's (Luce, Bryan)
- 4900 NIGERIA: As of now, it seems 4900 is off the air. A letter to John Sgrulletta fm Radio Nigeria states that 4900 is actually 4990 and is in Sogunle, yet we were hearing something on 4900 weren't we? There are still many reports from January for 4900 in the 0430 and 2030-2300 time slot--DR
- 4900t SULAWESI RRI-Gorontalo; 1405-1505 Indo tlks, mx/South Sea mx(Sherman, McCoy)
- 4900 ECUADOR LV de Sasquisilí; 0110 SS, US Big Band mx, M w/nx, ID's 0112, 0115, 0124--very strong, but Juventud back at 0135 ck (Beal 1/20)
- 4900s BURUNDI R. CORDAC; 0412 w/rel. tlk by M, long pauses, guitar mx, then back to tlk; sounds like vern, not FF (McNeil) Here they have been hrd to 0515* usually a little low of 4900--DR

Well, that's it for another month. Allow me to use this little space for a few words. First of all, I have been noticing a dramatic increase in the number of new reporters to IR-A over the past few months. This is fantastic, and I hope the trend continues. But, there are a few things that I want to point out. First, please try to send the loggings in on slips of paper larger than .568 mm. across. I know most of you do use good size report forms. Second, we should all make a conscious effort to be accurate in what is reported to any section; it makes the editing job a bit easier not to have to look up back issues of every bulletin imaginable. But especially, when writing program details for Log Report, let's try to inject some excitement into the game. Brazilian mx, is not the same as Ecuadorian mx, and they are both different than LA mx, in my opinion. And in the same way, there is really no such thing as African music since each African state is different in many ways. Well, with no more room here this month, I'll cut it here--just a couple of suggestions for improving what goes into Log Report and FRENEX as a whole.

log report *section* **B**

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4900 kHz - 6200 kHz.

MARCH 1977

- 4904.5 CHAD RNT; 2030 & 0440 in FF w/ Af. mx, interviews(Ohtake,Gionet).
4905 CHINA RP HS; 1150 & 1500 in CC (Ferrell,Poppin). 2251-2300 w/ tlks
In CC (Moritz 2/6,McNeil 2/4). Hywarren 2/1).
- 4908 KHMER REP. R. Phnom Penh; 1500 in lang. & oriental mx(McCoy 2/1,
4910 GUINEA RN; 0440-0735 in FF/lang.. nx, tlks(Snyder,Gaffin,Bryan).
4910 VENEZUELA R. Carora; 0345-0355* in SS w/ LA mx, ID, NA*(Tuchscher).
4911 ZAMBIA ZBS; 0435 in lang. w/ tlks by M (Mayer 1/27).
4915 BRASIL R. Dif. Macapa; 0030-0302* in PP w/ many ID's, mx(Field,Sher-
man,Barto). 0820-0936 w/ mx, fast DJ tlks,ID's(Sapoznikow,Jones).
4915 CHINA Nanning; 1501 in CC w/ tlks. (Bryan 1/17).
4915 GHANA GBC; 0605-0640 in EE w/ nx, ID & Af. mx(Mooney,Snyder,Bryan).
4918.2 ZAMBIA ZBS; 1709-1817 in EE/lang. w/ ID's as "One Zambia, one nation."
& "R. Zambia, Lusaka." (Junqua 1/14). Ferrell).
- 4920 AUSTRALIA ABC Brisbane; 1145-1300* in EE w/ pop mx(Troster,Frajer,
4920 HONDURAS R. Progreso; 2350-0230 in SS w/ ads,nx, pop mx(Ware,Miller
4920 INDIA AIR Madras; 1430 in lang. w/ local mx (Willis). Gionet).
4921 ECUADOR R. Quito; 0457 in SS w/ Indian Love Call (Bryan 1/13).
4925 CHINA Haerbin; 1334 in CC w/ tlks by two men (Bryan 1/28).
4926v COLOMBIA Em. Meridiano 70; 2255-0150 in SS w/ LA mx, ads, ID's, TC's
(Bishop,Tuchscher). *0855 w/ NA & many ID's (Jones 2/8).
- 4926 EQUATORIAL GUINEA R. Bata; 0545 in SS w/ Af. mx, nx & ID(Bryan).
4931.5 JAVA RRI Surakarta; 1453-1610 in Indo. w/ local mx, ID's(Beal,Sher-
4932 NIGERIA NBC Benin City; 0600 in EE w/ ID & nx(Laves,Shingler). man)
4935 PAKISTAN Rawalpindi; 1210-1235 in Urdu? w/ chants, pop mx(Ferrell,
4935 UNID. 0234-0300* in SS on 1/24 (Field). Laves)
4940 IVORY COAST RTVI; 0600-0700 in FF w/ ID,nx,Af. mx(Schwartz,Krueger).
4944v VIETNAM Hanoi HS-1; 1100-1300 in VV w/ nx & oriental mx(Willis,Mor-
4945 CHINA RP; 1500 in CC w/ classical mx, bells(Poppin). itz).
4945 COLOMBIA R. Colosal; 0130-0516 in SS w/ ads,mx,ID's,fast DJ(Troster,
4947v BRASIL A Voz de Sao Francisco; 0358 in PP w/ sports(Hy'r/Uerlings).
4950 MONGOLIA RUB; 1300-1500 w/ CC on the hour. Mong. on the half hour.
Mixes w/ China 4949 & Sabah 4950. Replaces 7235/7262 (Willis 1/11).
4950 SARAWAK RM; 1504-1600* in EE w/ US pop mx, ID's, DJ (Godfrey,Bryan).
4951 PERU R. Madre de Dios; 0319* in SS w/ classical NA(McNeil 1/16).
4955 COLOMBIA RN; 0109 in SS w/ LA mx, ID's (Jordan 1/25).
4955 PERU R. Cultural Amautu; 0556 in SS w/ singing ad & ID(Poppin 1/24).
4960 ECUADOR R. Federacion; carrier on 1055, march mx*1101*then class. mx
(Ferrell 1/12). *1122 w/ NA, ID, class. mx (Jones 1/24).
- 4960 VENEZUELA R. Sucre; 1017 in SS w/ LA. mx, ID (Bishop,Beal)0359*(Kru-
4965 COLOMBIA R. Santa Fe; 0140-0710 in SS w/ tlks, LA mx(Raper). eger).
4970 SABAH RM; 1435 in Malaysian w/ nx by a M (Bryan 1/18).
4970 VENEZUELA R. Rumbos; 2330-0530 in SS w/ ID's, orch. mx, LA mx, ads,
(Clark,Thompson,Edelstein).0346 w/ R. Nacional relay (Beal 1/15).
4972.5 CAMEROON R. Yaounde; 2125-2240 in FF/lang. w/ pop mx,ID(Thunberg,
4972.5 FRENCH GUIANA FR3; 0950 in FF w/ FFpops.tlk(Schnabel,Mooney,Hy'rren)
4972.8 ECUADOR R. Tarqui; 1130-1200 in SS w/ ID as "Desde Quito, Radio Tar-
qui...para todo el mundo." DX reports read from Sweden,US(Schnabel).
4975 BRASIL R. Timbira; 0810 in PP w/ local opo mx, ads (Bishop 1/25).
4975 PERU R. del Pacifico; 0404 in SS w/ ID's (Brooks).
4980 CHINA Wuhan; 1338 in CC w/ tlks & oriental mx (Bryan 1/28).
4980 GHANA GBC; 2115 in EE w/ nx(Thunberg)0600 w/ nx,mx(Camillo,Wisebl'd)
4980 SWAZILAND SMR & SCR reported; 0725 in EE w/ ads, pop mx, ID(Fedor).
0400 in EE w/ ID then into R. Truro Indian pgm. (Godfrey,Mooney).
4980 VENEZUELA Ecos del Torbes; 0020-0200 in SS w/ LA mx,ID's(Jordan).
4984 SOUTH AFRICA Springbok Radio; 0445 in EE w/ "Our Changing World"
4985 BRASIL R. Brasil Central; 2245-0840 in PP w/ PP pops,ID's,(Swanson).
ads, ballads, guitar mx(Padula,Tannenwald,Cohen,Jordan,Bishop,Bryan)
4985 INDONESIA RRI Ujung Pandang; 1543-1602 in EE w/ C&W/pop mx(Poppin).

- 4986 UNID. 1135 in lang. (Asian), peaked at 1210 (Ferrell 2/2).
- 4990t BOLIVIA R. Emis. Beni; 1008-1023 in SS w/ tlks by M, local mx, TC's seemed to mention Beni at 1023. QRM/ Brasil 4985(Barto 2/18).
- 4990 CHINA Changsha; 1440 in CC w/ tlks by a M (Bryan 1/18).
- 4990 NIGERIA NBC Shogunle; 0430-0630 in EE w/ nx, chants, ID, Hausa ID 2250
- 4990 VENEZUELA R. Barquisimeto; 2326-0015 in SS w/ LA mx, (9 reporters) nx, ID's, some sports(Jordan, Tannenwald, Moore).
- 4995v PERU R. Andina; 0307-0425 in SS w/ Andean mx, TC's, ID's, vocals, ads, (Bishop, Brooks). 1100 w/ female songs, stringed mx, ID(Earhart),
- 5000 ITALY IBF Turin; 0700 w/ ID in II, PF, EE. (Taylor 12/19, Frajer 1/6)
- 5000 LESOTHO RL; 2150-2232 w/ EE ID, nx, Af. & jazz mx(Smith 1/30) Freq?
- 5000 SOUTH AFRICA ZUO; ID at 0405 (Bishop 1/16).
- 5005 SARAWAK RM Sibui; 1445 in Iban w/ chanting (Bryan 1/18).
- 5006 PERU R. Jaen; 1053-1106 in SS w/ tlks & organ mx (Moritz 1/30).
- 5006.5 NEPAL RN; *1145-1152 in lang. w/ strange instrumental IS, rel. type chanting and vocal singing(Ferrell 1/8).
- 5010 CAMEEROON R. Garoua; 2138-2201* in FF/AA?(Hausa?) w/ local chorals, and a brief drum/flute musical piece at s/off.(Krueger 1/6).
- 5010 PERU R. Eco; 0312-0400 in SS w/ LA mx, ID's, pop mx, echo effects(Gaf-
- 5010 SINGAPORE RS; 1530-1603 in EE w/ TC, ID, nx(Beal, Bryan). fin. Krueger).
- 5015 ASIATIC RUSSIA Vladivostok; 1800 in RR //6035, 6070, 6130(Schnabel). 2226 in RR(Moritz). 0700 w/ ID then R. Pac. Ocean IS(Poppin 1/29).
- 5015 BRASIL R. Pioneira de Teresina; 0200 & 0815 in PP w/ pops, ads(Bis-
- 5017a BOLIVIA R. Universo; 0240-0300* in SS w/ LA mx(Tu'shr).hop, Schnabel)
- 5020 CHINA Nanchang; 1347-1523 w/ W in CC, rev. mx & vocals(Bryan, Laves)
- 5020 COLOMBIA Ecos del Atrato; 2335-0020 in SS w/ LA mx, TC, ID(Schulman).
- 5020 NIGER ORTN; *0529-0630* & 2159* in FF w/ ID, drums, AE. mx, tlks(? re-
- 5020 SOLOMONS SIBS; 0711-0722 in EE w/ oldies, C&W mx(Uerlings).porters.)
- 5020 SRI LANKA SLBC; 1703-1733* w/ local mx, TC, ID, NA. All in Tamil(Jun-
- 5023.8 BRASIL R. Borborema; 0208 in PP w/ futebol game(Schnabel). qua.
- 5025 BRASIL R. Vitoria; 0740-0809 in PP w/ pop mx, ID, pulled plug 0809
- 5025 ECUADOR R. Splendid; *1000 in SS, morning calls, mx(Padula)(Bishop).
- 5030.5 SARAWAK RM; 1220-1347 in Bidayah w/ long tlks, local mx(McNeil, Bry')
- 5030 VENEZUELA R. Reloj Continente; 2230-0400 in SS w/ pop mx(Alexander).
- 5033v ANGOLA La Voz de Cabinda; 0530-0600 in PP w/ local mx, drums(McNeil).
- 5035 BRASIL R. Aparecida; 0215-0300* in PP w/ LA & rel. mx, ID, tlk(Tu'shr)
- 5035 COLOMBIA La Voz de Caqueta; 1110 in SS, 0357* & 0455* w/ pop mx(Mac-
- 5035 KAZAKH R. Alma Ata; 2140 in CC, 1505 in RR(McNeil). ris, McNeil).
- 5035 PAKISTAN RP; 1245 in Urdu w/ tlks by M (Mayer 2/1).
- 5035 SARAWAK RM; 1420 in lang. w/ tlks by M (Hywarren 1/17).Krueger).
- 5038 CEN. AF. REP. RNC; 2244* 2259* w/ pop/R&R/class. mx, nx, ID(Snyder,
- 5039 SUDAN Omdurman; 2120-2200 in AA. Audible 4hr. after local sunrise!
- 5040 BURMA BBS; 1415 in lang. //4725 w/ local mx(Sherman 1/22). (Padula).
- 5040 GEORGIA Tbilisi; 1454-1515 in RR w/ tlks & vocal mx(Poppin, Bryan).
- 5040 PERU R. Libertad; 1108-1118 in SS w/ easy vocals, organ & guitar mx
- 5040 VENEZUELA R. Maturin; *1039-0400* in SS w/ NA, ID, mx(Jones)(Moritz).
- 5045 BRASIL R. Pres. Prudente; 0802-0900 in PP w/ local pop mx(Beal, Bis-
- 5045 COOK ISLANDS R. Cook; 0744-0801 in EE w/ RA relay, nx(Junqua). hop).
- 5045 PERU Rdf. La Convencion; 0635 in SS w/ ID, LA mx (Jordan 1/25).
- 5046 JAVA RRI Yogyakarta; 1325 in Indo. w/ tlks(Sherman 1/22).
- 5047 TCGO RT; 2030-2306* & 0530 in FF w/ TC, ID, vocals, pops(Padula, Hutch-
- 5050 VENEZUELA R. Mundial; 0830 in SS w/ ID, TC, mx(Hy'en).ins, Schipelliti)
- 5052 SINGAPORE RS; 1205-1530 in EE w/ nx, sports, wx, ID(Hardester, Imbert).
- 5053 MONGOLIA RUB; 1200-1249 in lang. w/ singing, IS at 1230, (Moritz,
- 5054.5 UNID. in lang. w/ tlks by M&W, ID's w/ some mx(Ferrell2/2)Ferrell).
- 5055 SWAZILAND TWR; *0430 in EE w/ rel. mx, IS, chimes (Mayer, Bryan).
- 5057v ALBANIA Gjirokaster; 0509-0633 in Albanian w/ folk mx, tlk(Hauser,
- 5060 ECUADOR R. Nac. Progreso; 0330 in SS w/ nx, sports(Bryan).Earhart).
- 5060 YEMEN Aden; 0507 in AA w/ hyped up local mx(Snyder 2/6). Troster).
- 5075 COLOMBIA R. Sutatenza; 0015-0340 in SS w/ LA mx, nx, ID's(Jordan,
- 5085 UNID. Numbers station; 1200-1204 in SS (Ferrell).
- 5090 CHINA RP; 1605-1630 in lang. *1630 w/ new lang. (Hardester 1/29).
- 5095 COLOMBIA R. Sutatenza; 0325-0420* in SS w/ sports(Brookwell, Hy'rrn).
- 5145 CHINA RP; *1501 in RR, ID(McCoy, Poppin)1400 Mong. Svc.(Brookwell).
- 5295 CHINA RP; 1335-1417 in Thai w/ band mx, tlks (Brookwell 1/9).
- 5320 CHINA RP; 1432 in CC w/ dramatic pgm. (Poppin 1/30).
- 5525 CHINA Site?; 1339 in CC w/ ID (Brookwell 1/9).
- 5745 USA VOA Greenville; *0300-0400 in EE //9530. Purposely here?(Wal-
- 5810 UNID. Numers station; 0420 in SS w/ 5 groups(Luce 1/15). cutt).
- 5815 USA WYFR; 0300 in EE w/ nx, sports, ID (Richardson 1/1).

- 5850 CHINA RP; 1436 in Mong(?) w/ tlks. (Poppin 1/30).
 5869.5 UNID. 1010-1041* in a guttural type lang., rel. mx (Hoffmann 1/30).
 5883v ISREAL IBA; *0400 in Hebrew, 0505 in EE w/ nx (Grenier, Wbitsch, Sy'dar)
 5886 INDONESIA RRI Pekanbaru; 1005-1253 in Indo. w/ western mx, ID (Sher-
 5996 PIRATE USA; *0502-0510* in EE on USB relaying a man, Hoffmann).
 Bay Area pop station (Magne 1/25).
 5900 BULGARIA RS; 0440-0459 in EE w/ nx, wx, cmntry, ID's (Smith 1/14).
 5900 ISREAL IBA; 0500 in EE, 0515 in FF w/ nx, ID, cmntry (11 reporters).
 5905 CHINA (?); 2300-2320 in FF w/ ID as "R. PLA" Horrible FF (Leffler).
 5905 USSR RM; 0115 in RR w/ easy listening mx (Brown 1/31).
 5910 USSR site(?); 0535-0600 in RR w/ semi-class. mx (Hoffmann 1/27).
 5915 BULGARIA RS; 0430 in SS w/ IS, ID, nx & mx (Noonan 1/11). Brown.
 5930 CZECHOSLOVAKIA RP; *0000 in EE w/ IS, *0100 w/ nx (Pearson, Dunnigan).
 5930 USSR Murmansk; 1200 in RR w/ pips, ID (Ferrell).
 5935 LATVIA R. Riga; 2032 in Swedish on a Sat. w/ folk mx (Padula 1/29).
 5935 USA VOA; 1400 in SSB w/ Burmese pgm. (Brookwell 1/9).
 5940 USSR RM; 0015 in EE w/ cmntry, 0212-0300 w/ Mailbag (Hywarren, Edel'in)
 5950 GUYANA GBS; 2140 in EE w/ choir mx, tlks (Gionet 1/16).
 5950 UNID. GBS(?); 2100-2200* in FF(?) w/ tlks, some mx (Schulman 1/27).
 5954 COSTA RICA R. Casino; 0450 in EE w/ ID, C&W mx, ads (Imbert 1/28).
 5955 GER. DEM. REP. RBI; 0330-0415* in EE w/ ID, nx, cmntry (Luce, Gionet).
 5955 GREECE VOA Kavala; 0515 in EE w/ nx, sked, ID, (Beal). hop.
 5955 NETHERLANDS RN; *0730 in DD, 1020 in EE w/ "DX Juke Box" (Gionet, Bis-
 5955 PHILIPPINES VOA Tinang; 1427-1500* in lang. w/ nx, pop mx (McCoy, Popn)
 5960 CANADA RCI; *2300-0100* in EE w/ ID, nx, cmntry (Newman 1/4).
 5962v COLOMBIA La Voz de los Centauros; 0400-0700 in SS w/ ID, LA mx (7 re-
 5965 BRASIL R. Guaba; *0900 in PP w/ chimes, ID and nx, porters).
 light mx, TC's (Sapoznikow, Padula).
 5965 GREAT BRITAIN BBC; *0030 in Bengali w/ EE ID (Dunnigan 1/24).
 5965 MALAYSIA RM; 0139 in Malay (Padula). 1125-1703 in lang/EE w/ pop mx,
 chanting, many ID's (Poppin, Godfrey, Hoffmann, Beal).
 5965 NIGERIA Jos; Benue Plateau State Program. *0430 in lang. (Mayer 1/27)
 5970 FED. REP. GERMANY RFE; 2135 in Polish w/ sports (Brown 1/28).
 5975 GREAT BRITAIN BBC; 0047-0250 in EE w/ ID, cmntry (Schipelliti, Jordan)
 5980 JAPAN RJ; 1358 w/ IS then into EE (Hywarren 1/19).
 5980t LEBANON R. Lebanon; 0540-0605 in AA w/ cmntry, chimes (Bishop 1/10).
 5980 PERU R. Panamerica; 0520-0615 in SS w/ pop & ballad mx, vocals, ID.
 5980 SOUTH AFRICA R. RSA; 2225-2320 in EE w/ IS, ID, nx (Th'on) (Moritz 1/29)
 5980 USA KGEI; 0712 in EE w/ ID (Swanson 1/29). Gionet.
 5980 USSR RM; *1900 in EE in the UK Svc., 2045 in GG(?) w/ IS (McLaughlin,
 5985 BURMA BBS; 1400-1600* in EE w/ US pop mx, clear ID's, (Poppin, Raven-
 5987 CELEBS RRI Menado; 1431 in Indo. w/ local mx (Sherman 1/22). horst).
 5990 ITALY RAI; 2200 in EE w/ nx, cmntry, II mx (Zilmer 1/23).
 5990 JAPAN RJ; 1448 in JJ w/ US rock mx, flute & drum mx (Poppin 1/30).
 1756-1830 in EE/JJ w/ nx, cmntry (Wiseblood) 0801 in EE (Edelstein).
 5990 RUMANIA RB; 2058 in EE, 0400-0430* in EE w/ nx, IS, ID, cmntry (Alexander)
 5995 AUSTRALIA RA; 0850-1500 in EE w/ pops, nx, ID (6 rpts). Schulman, Edel'n
 5995 MALI R. Mali; 0740 in lang. w/ Af. mx (Schwartz, Bishop) 2306 in FF w/
 chanting and Af. mx (Hywarren 1/18).
 5995 USA VOA Greenville; *0300 in EE w/ ID, nx, cmntry (Jordan 1/23). hop)
 6000 COLOMBIA R. Super de Medellin; 1030-1145 in SS w/ LA mx, ID (Jones, Bis-
 6000 HONDURAS R. Swan; 0700-0800 in SS w/ pop mx (X-6015) (Padula 1/31).
 6000 HUNGARY RB; *0330 in Hungarian, 0400 in EE w/ DX pgm (Dunnigan).
 6005 ASCENSTON BBC; 0332 in EE w/ nx on Af. (Bryan).
 6005 AUSTRALIA RA; 1715 in EE w/ pop mx (Bryan).
 6005 CANADA CFCX; 1830-1900 in EE w/ ID, mx, ads, pop mx (Hammer, Taylor).
 6005 WEST BERLIN RIAS; 0802 in GG, 0601-0630 in EE w/ ID, nx (Padula, Mulvey)
 6005 JAPAN HS (Site?); 1335 in JJ w/ pop mx (Willis). ris, Jordan).
 6006 COSTA RICA R. Relej; 0617-0813 in SS w/ LA pops, ID, nx, (Taylor, Mac-
 6010 EUROPEAN RUSSIA RM; 2005-2030 in EE to UK // 7360, 6175 (Brown).
 6010 ITALY RAI; *0100-0120* in EE w/ ID, nx & mx (Bishop, Taylor).
 6010 PORTUGAL DW Sines; *0415 in Bulgarian w/ nx (Taylor). (Jones 1/20)
 6010 VENEZUELA R. Los Andes; 1039 w/ LA pops, also IDed "R. Mil Cuarenta"
 6015 COLOMBIA R. Mira; 1142 in SS w/ pop mx, ID, slogans (Jones 2/3).
 6015 HONDURAS R. Swan; (Now-6000) 0612-1200 in SS w/ many ID's (Osterman).
 6015nf INDIA AIR; *1230 in Hindi(?) // 3905 (Willis 1/10).
 6025 BIAFRA NBC Enugu; 2305* in EE w/ possible ID as EBC not NBC (Sherman)
 6025 MALAYSIA RM; 0130* in CC w/ Malay pops (Padula).
 6025 PARAGUAY RN; 0930 in SS w/ ID, easy mx, dance mx (Gionet, Hywarren).
 6025 PORTUGAL RP; 1807 in EE w/ nx by a W (Fedor 1/30).

- 6025 UZBEK R. Tashkent; *1200-1300 in EE w/ nx, cmntry, Mailbag (Cohen, Mill-
6030 FED. REP. GERMANY Muhlacker; 0800 in GG w/ nx (Padula 1/24). er).
6035 BRASIL R. Globo; 0900 in PP w/ nx, pop mx, ads (Bishop 1/13).
6035 SWEDEN RS; 0327 in unid. lang. under VOA-Monrovia (Brown).
6040nf HUNGARY RB; 0830 in Turkish on Sat. (X-6150) (Padula).
6045 USA OAS; *2345 in SS w/ IS and nx, ID's (Hywarren 1/25). frey).
6055 JAPAN NSB; 0700 in JJ w/ ID.1615* in JJ w/ ads (Poppin, Wiseblood, God-
6065 COLOMBIA R. Super; 0732 in SS w/ LA mx, TC's, ID's (Edelstein, Hammer)
6065 GER. DEM. REP. RBI; 2345-0000 in PP w/ nx, cmntry, ID (Carbone).
6070 USSR Petropavlovsk; 2000-2035 in RR w/ Mayak IS, nx, folk mx (Wiseblood)
6070 CANADA CFRX; 1600-1635 in EE w/ ID, nx, ads, pop mx (Anderson).
6070nf GER. DEM. REP. RBI; 2310 in PP //6040 w/ nx (Zilmer).
6070 INDONESIA RRI Jayapura; 0957 in Indo. w/ ID's in EE/SS(?) (Laves).
6075 HONDURAS La Voz del Junco; 1132 in SS w/ ads, ID, TC's, mass (Jones).
6080t ASIATIC RUSSIA Khabarovsk; 0845-0915 in RR //6115, 6190, 6035 (Hoffmann)
6080 BELGIUM BRT; 0020 in EE w/ western pop mx, ID's (Fraser 1/13). Dunn).
6080 MALTA IBRA R.; *2044-2115* in EE w/ rel. mx & tlks (Schipelliti, Krueger
6080 SPAIN RTVE; 0100 in EE w/ ID, nx. not on 6065 as B/C (Ricchezza)
6085 INDIA AIR Madras; 1320 in lang. w/ tlks (Laves 1/9). Anderson).
6090 LUXEMBOURG RL; *0000-0245* in EE w/ ID's, pop mx, DJ pgm (Onken, Moore,
6090 NIGERIA RTV Kaduna; 2223-2235 in Hausa w/ Af. vocals, tlks (Roberts).
6095 POLAND Polskie R; 0230-0300 in EE/PP w/ mx, ID, nx, cmntry (Bishop).
6100 ANTIGUA DW; 2230-2300* in PP w/ nx //9610, into SS 2300 (Carbone).
6100 MALTA DW; *0125-0150* in EE w/ IS, ID as Malta, nx (Mulvey 1/7).
6100 SPAIN RTVE; *2030 in EE w/ IS, ID, nx (Gionet).
6105 MEXICO Su Pantera; 1127 in SS w/ pop mx, ID as "R. Yucatan" (Jones).
6105 NEW ZEALAND RNZ; 0744-0905 in EE w/ nx, wx, pop mx, ID's (Osterman, Ed'sn)
6105 COLOMBIA La Voz de Llano; 1105 in SS, 0245 w/ ID, pop mx (Brown, Miller).
6115 MEXICO R. Univ. de Sonora; 2055-2215 in SS w/ R&R & pop mx (Thompson).
6115 PAKISTAN RP; 1305 in Turkish //7165, 1400 in EE (Sherman, Willis).
6115 PERU R. Union; 1110 in SS w/ martial mx, ID, campesino mx (Moritz). den)
6119 VENEZUELA R. Angostura; 1142 in SS w/ ID, tlks, Rumbos network nx (Bree-
6120 ARGENTINA R. El Mundo; 0755 in SS w/ ID, TC, US pops, tlks (Bishop, Moritz
6121a NICARAGUA R. Atlantico; 1213-1234 in SS w/ ads, ID, tlks (Moritz 2/5).
6130 GHANA GBC Tema; 2030 in EE w/ IS & ID (Edelstein).
6130 SAUDI ARABIA BSKSA; 2020 in AA w/ nx, tlks, chanting (Edelstein).
6135 BRASIL RTV Gaucha; 0930 in PP w/ local mx, ID, ads, (Sapoznikow).
6135 CHILE R. Univ. de Concepcion; 1021 in SS w/ "Panorama Informativa",
ads (Jones 2/7), 0637 in SS w/ easy listening mx (Hywarren).
6135 TAHITI FR3; 0650 w/ island mx, in FF w/ vocals (McNeil).
6140 CYPRUS BBC; 0135 in Indian lang. That's 11:35 here in Austl (Padula).
6150 AUSTRALIA ABC; 1010 in EE w/ piano mx, jazz mx, ID's (Hutchins).
6150 COLOMBIA La Voz de Huila; 0930-1000 in SS w/ TC, ID, LA mx (Tannenwald).
6150 RUMANIA RB; *1930 in EE w/ nx to Europe by a W (Gionet).
6155 JAPAN FEN; 1730-1845 in EE w/ pop mx, ID, AFRTS cmntry (Wiseblood, Bryan)
6160 ALGERIA RTVA; 0800-0930 in AA w/ tlks, chants, flute mx (Padula, Willis).
6160 CANADA CKZU Vancouver; 0720 in EE w/ CBC ID, 1715 w/ cmntry (Schnabel,
6160 NEWFOUNDLAND CKZN; 0930 w/ CBC nx, ID, (Hywarren). Wiseblood).
6165 USSR RM; 2032 in FF w/ nx to Europe, ID (Gionet). (Roberts).
6165t MEXICO La Voz de Amer. Latina; 1335 in SS w/ telephone pgm, ID, TC,
6170 PHILIPPINES PBS; 0809-0910 in EE/Tagalog w/ local mx, IDed as "DPI
Radio One" //3386, 9615 (Junqua 2/3).
6175 COSTA RICA TIFC; 0300-0418* in EE w/ ID, rel. pgm (Ravenhorst 1/23).
6175 JAPAN NHK-1; 0745 in JJ w/ wrestling match, seemed //6115 (Wiseblood).
6180 GUATEMALA La Voz de Guatemala; 1120 in SS w/ LA mx, ID, tlks (Taylor).
6185 LIBYA PRB; 0606-0642 in AA w/ chants, tlks, flute mx (Snyder, Cress).
6185 MALTA R. Vox Fidei; 0610-0630* in FF w/ nx & ID by a W (Edelstein).
6185 PHILIPPINES VOA; 1510 in EE w/ cmntry (Wiseblood).
6185 PORTUGAL RP feeder on SSB; 2115-0035 in PP to Azores on 4865 (Cress).
6190 ASIATIC RUSSIA Khabarovsk; 0919 in RR w/ cmntry //6080, 6035 (Brk'well)
6190 JAPAN NHK-2; 0735 in JJ w/ wrestling match, not //6175, 300w (Wse'bld)
6190 VENEZUELA Ecos del Torbes; *1000-1140 in SS //4980 w/ NA, ID, TC, ads
and speeches (Zilmer, Beal, Jones).
6195 MALAYSIA BBC; 1600 in EE w/ World Service nx (Imbert). den, Anderson).
6200 ALBANIA R. Tirana; *2230-0335 in EE w/ nx, cmntry, ID's (Carbone, Jor-
6200 RUMANIA (?) Voice of the Turkish Communist Party; 0830-0840 in Turk-
ish by a M & W (Padula 1/9).

log report section C

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6201 kHz - 11700 kHz

MARCH, 1977

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

- 6210 PAKISTAN R. Pakistan; 2105-2146* EE ID, pop mx (Schulman, McLaughlin, Mooney, Yajko).
6230 ANDORRA R. Andorra; 0800 ID in Unid. lang, pop mx pgn. Poor signal (Bishop 1/9).
6250 EQUATORIAL GUINEA R. Malabo; 0655-0710 Unid. lang w/African mx (Schulman). 0648-0720 Unid lang w/African vocals & choral mx. I could have sworn I heard Chinese in a five second ann. by Woman. Would the political situation make this possible? (Walcutt 1/28)
6250a KOREA (NORTH) KCBC; 0810 KK HS w/talk & music (Padula 1/15, Bishop 1/16).
6290 CHINA R. Peking; 1443 w/YL vocals (Hywarren 2/1). -I have Chaochou listed as Lang.-
6290 KOREA (NORTH) KCBS; 0743 KK tlk, martial songs. TC at 0800 (Brookwell 2/2).
6540 KOREA (NORTH) R. Pyongyang; 1024 KK tlk (Brookwell) -I have Japanese listed (ed)- 1446 lang w/GM tlk. Good signal (Hywarren).
6560 CHINA R. Peking; 1351 RR External service w/talk & opera (Brookwell 1/23).
6750 CHINA R. Peking; 1258 CC tlk & singing (Earhart). 1449 CC tlk & mx (Hywarren).
6900 TURKEY Turkish State Meteorological Svc; 0523 Turkish tlk & mx (McNeil 1/16).
7020 CHINA R. Peking; 1501 IS, RR ID, Lady with talk (Uerlings 1/18).
7025 CHINA Chinese People Liberation Army; 0849 w/CC external service (Brookwell 1/13).
7035 CHINA R. Peking; 1806 RR cmntry & ID (Poppin 1/17).
7040-5 BHUTAN NYAB; *1230-1331* EE s/on into Dzongkha pgn of short intros to Bhutanese mx; 1259 ID, EE at 1320 s/off. Excellent 1252-1254, otherwise poor. (Junqua 1/19).
7060 CHINA R. Peking; 1500 IS, Hindi ID, tlk (Uerlings 1/18). -I have Bengali listed (ed)-
7065 ALBANIA R. Tirana; *0000 EE ID, nx, cmntry about peoples liberation (Schipelliti 2/4)
7070 INDONESIA RRI (Jakarta); 0014 HS w/Indonesian news (Padula 1/9).
7090 ALBANIA R. Tirana; 2045 English w/cmntry. QRM (Marshall 1/26).
7105 ASCENSION ISLAND BBC; 0305-0430 EE ID, nx, cmntry (Bryan, Bogel, Edelstein, Thompson).
7105 BULGARIA R. Moscow Relay; 0030 EE ID, nx, cmntry (Jordan 1/25).
7105 MONACO TWR; 0735-0747 EE ID, religious pgn, etc. (Schwartz, Jordan, Fedor).
7110 SRI LANKA VOA; 0115 EE to Asia (Padula 1/15).
7110 MALI Rdf du Mali; 0906 FF accented language w/tribal mx. Heard past 0950 (Padula 1/28)
7110 USSR R. Moscow; 0300-0400 EE nx, mailbag (Dunnigan 1/23). -I have 7115 kHz listed (ed)-
7115 USSR R. Peace & Progress; 0717 SS nx, ID, IS. Pgn to Lam (Edelstein 1/2).
7115 BULGARIA R. Sofia; 0428-0445 EE nx, 'Youth Magazine', etc. (Cooper 2/3, Gaffin 1/24).
7115 MOROCCO RTVM; 2150-2155 w/AA mx & tlk//9615, QRM from RFE (Padula 1/29).
7120 USSR R. Moscow; 2312 EE w/talk on Arms race (Jordan 1/25).
7120 ALBANIA R. Peking; 0055 SS mx, cmntry (Dunnigan). *0300 EE ID, nx (Edelstein, Jordan).
7121 SOMALIA R. Hargeisa; 1400 AA mx & vocals. 5 sec. silence between selections (Beal 1/29)
7125 GUINEA Rdf Nationale; 0120 FF 'cora' mx (Mayer). 0452 Vernacular w/African mx (Schwartz). 0546 FF/Vern ID & mx (Brown). 0748-0815 FF tlk (Padula)
7130 GERMANY (WEST) DW; 0550 Light mx, ID & tlk in Unid lang (Earhart). - Lang is Czech (ed)-
7135 USSR R. Moscow; 2100 EE ID (Sherman). 2200 EE nx (Glonet). Onil Glonet says that he just received a QSL and the site is listed as Simferopol, not Dusharbe. Comments?
7140 JAPAN NHK; 1330 JJ tlk by man (Brookwell 1/14). - I have Chinese listed (ed)-
7145 SARAWAK R. Malaysia; 0050 Malay tlk. Past 0200. Good level (Padula 1/15).
7145 NIGERIA NBC; 0751 Tribal mx w/fast singing, drums, talk by man in national lang. Seems a HS not // with 7275 carrying FESTAC pgn. (Padula 1/31).
7150 ENGLAND BBC; 0800 EE nx (Jordan 1/25).
7150 KOREA (SOUTH) R. Korea; 0900-1000 w/JJ service. Believe is Suwon (Padula 1/28).
7150 USSR R. Kiev; 0030-0100 EE nx & mailbag pgn (Troster, Schipelliti, Jordan).
7150 USSR R. Vilnius; *0100-0128* EE nx (Stroh). 2300 EE nx//9800, 15100 (Luce, Padula).
7155 JORDAN R. Jordan; *1000 EE ID. Poor signal (Bishop 2/7).
7155 PHILIPPINES VOA (Tinang); 0932 RR nx about Jimmy Carter (Brookwell 1/13).
7160f ALGERIA Rdf TV Algerienne; *0800 AA service//6145 (Padula 1/31).
7160 SARAWAK R. Malaysia; 0052 EE svce w/Malay mx (Padula 1/15).
7160 USSR R. Moscow (Tula); 0113 SS talk by YL//7240 (Uerlings 1/24).
7160 USSR MAYAK; 1741 RR w/selection from Bolshoi Theatre, TC (21 Chas) (Poppin 1/17).
7165 PAKISTAN R. Pakistan; 1305 lang w/strange mx//6115 (Sherman). -I have Turki as lang (ed)-
7165 RYUKYU ISLAND VOA; 1100 EE ID, nx, etc. (Hoffmann 1/30, Dalrymple).

- 7170 NEW CALEDONIA R. Noumea; 0645-0945 FF (Schwartz, Bishop, Uerlings, Godfrey, Schulman,
7170 GREECE VOA (Kavala); 0507 EE ID, nx (Schwartz 1/19). Grenier.)
7175 SICILY RAI; 0902 Italian w/story reading by YL (or something) (Bishop 1/31).
7175 USSR R. Moscow (Starobelsk); 0117 SS talk by ON (Uerlings 1/24).
7180 MALAYSIA BBC; 1601 talk in Lang, drums, TR ID, nx (Poppin 1/17).
7185 USSR R. Moscow; 2300 SS w/1st, pips. Talk by M.W. Presumed SS. Strong (Sherman 1/18).
7185 BURMA BBS; 0056 w/orchestral items, Burmese tik by lady thru to f/out 0200 (Padula).
7190 BENIN (Dahomey) La Voix de Bev; 0745 drums & chanting to 0750 (Padula 1/31).
7190 YFEN DYBS; 1952 AA w/AA chanting. Poor signal (Yajko 1/21).
7195 LIBERIA VOA; 0305-0550 EE w/African Safari, Breakfast Show (Anderson, Schwartz, Thompson,
7195 PAKISTAN R. Pakistan; 0100 Bangla pgm, Koran chants (Padula). Bryan.)
7200 ENGLAND VOA; 0400 EE // 7195 (Monrovia) (Brown 1/27).
7200 HUNGARY R. Budapest; *0100 SS to SAM (ex 7215) (Padula 1/29).
7200 PHILIPPINES VOA (Tinang); 2228 Indonesian talk & mx. JMM (Raper 1/24).
7200 USSR MAYAK; 1850 RR w/Waltz mx, chimes from 'Moscow Nights', MAYAK pgm (Poppin 1/19)
7205 GREECE (Dodecanese Islands) VOA; 1900 RR(?) w/talk on Carter, Mondale, etc. (Hardester)
7205 USSR MAYAK; 0502-0801 RR tik, mx, wx, nx, ID, IS (Edelstein 1/3).
7210 ENGLAND BBC; 0545 Hausa w/EE ID & nx in Hausa (Brown 1/26).
7210 ETHIOPIA BTLF; *0400-0425* EE ID & religious pgm (Dunnigan 1/30).
7215 BRUNEI R. TV Brunei; 1330-1400 EE nx, mx. Clobbered by Moscow s/on at 1400 (Brookwell).
7215 GREECE VOG; 0630 Unid lang w/talk by man & woman, IS, etc. (Luce) (Luce-Lang is Greek (ed)-
7215 USSR R. Kiev; 0038 EE nx (Jordan 1/25).
7215 USSR R. Vilnius; 2300 EE nx, cmntry & mx (Luce 1/8).
7225 INDIA AIR; *0130 Nepalese w/Indian mx (Padula 1/15).
7225 MOROCCO RTVM; 0430-0458 AA talk & chanting, etc. (Bogel 1/31, Schwartz 1/28).
7225 TUNISIA RTVT; 0800 AA mx & announcements until fade-out around 0955//11970 (Padula).
7226 UNID; 1858-1950 AA mx w/Time pips at 1900, W, mx. Not// any Cairo HS on 3mb (Krueger).
7230 USSR R. Moscow; 0037 PP talk by ON w/musical interlude (Uerlings 1/24).
7240 ENGLAND BBC; *0313-0318 Turkish pgm. Not listed in WRWVH (Jahart 1/22).
7240 HOLLAND R. Nederland; 1008 EE for Europe w/ballads/folk songs (Padula 1/5).
7245 ANGOLA R. Nacional; 0400 s/on w/PP ID, nx by YL (Jordan 1/25).
7245 USSR R. Kiev; 0307 EE nx on Warsaw Treaty, Soviet nx, Ukrainian Interviews (Edelstein)
7250 SINGAPORE R. Singapore; 0045 Malay nx & cmntry (Padula 1/18).
7260 CANADA RCI; *0315 RR pgm to USSR (Schipelliti 1/26).
7260 INDIA AIR; *0130 HS National Language, ID mentioning "Akashvani", Indian mx (Padula).
7260 GERMANY RBI; 2125 EE nx followed by mx at 2127 (Dunn 1/10).
7260 MONGOLIA RUB; 1445 CC relay of R. Moscow pgm (Brookwell 1/23).
7264 TOGO RdF du Popo; Carrier on 0755, FF pgm at 0800, list of freq's announced by man at 0803, then tik and/or nx. Separable from Rohrdrf. Last heard in 1956! (Padula 1/31)
7265 GERMANY Sudwestfunk; 0700-0930 GG w/light & pop mx, ads (Padula 1/28, Gaffin 1/24).
7265 YEMEN ARAB REP R. Sanaa; 0452 AA mx, IS, positive ID (Schwartz 1/19).
7270 GABON Rdf TV Gabonise; 0800 FF na and talk (Jordan 1/25).
7270 POLAND Polish Radio; 0233 EE & Polish ID, nx, etc. (Cress 2/6).
7270 SOUTH AFRICA RSA; 0305-0405 EE nx, Good Morning Africa (Grenier, Yajko, Lubitsch, Bryan).
7275 NIGERIA VON; 0430-0945 EE & Hausa w/Special Broadcast for FESTAC pgm, etc. (Cohen, Lineback, Sapoznikow, Thompson, Grenier, Raper, Schulman, Carbone, Heckenlively, Camillo, Edelstein, Newman, Padula). WOW! 2135-2230* EE FESTAC pgm, etc. (Ware, Gaffin).
7275 TUNISIA RTVT; 2339* AA mx, s/off, NA & off. (Ware 1/20).
7280 LIBERIA VOA; 0315-0359 EE nx, cmntry, mx, etc. (Alexander, T. Smith, Edelstein, Jordan).
7285 FRANCE RPI; 1620 FF w/France-Yugoslavia sporting event. Poor signal (Gaffin 1/30).
7285 MADAGASCAR R. Nederland; *2228 IS, Indonesian ID, mx. Good signal (Brown 1/22).
7288 UNID; CC dialect 1300-1400. Once it presented Thai pgm. A clandestine station used to be listed on this frequency; I don't remember what its name was. (Willis 1/10).
7290 USSR MAYAK; 0258 RR talk, TC, MAYAK IS, Radiostantsiya Rodina ID, nx (Edelstein 1/1).
7295 MALAYSIA R. Malaysia (Penang); 0050 EE w/songs by lady (Padula 1/15).
7300 ALBANIA R. Tirana; 0350 EE talk about Albania (Jordan 1/25).
7300 GERMANY (EAST) RBI; 1843 EE talk about the 1980 Olympics (Dunn 1/23).
7305 CLANDESTINE (CHINA) V. of Malayan Rev.; 2255 orch mx, YL w/CC tik past 2303 (McNeil).
7310 USSR R. Moscow; 0027 SS talk by YL to SAM (Uerlings 1/24).
7315 CHINA R. Peking; 1328 Laotian to S.E. Asia w/no mx (Brookwell 1/15).
7315 USSR R. Moscow; IS heard thru China pgm 1330 (Brookwell)
7320 USSR R. Moscow; SS talk by M.W. 0035 //7234 (Ware 1/21). 0244 SS tik, ID (Edelstein)
7325 ENGLAND BBC; 0045 EE song request pgm. (Jordan). 0240 EE sports nx (Edelstein).
7335 CANADA Time Station CRU; 0236 Time pips w/ID & time in EE & FF (Edelstein).
7335 CHINA R. Peking; 1258 VV w/talk & no mx. No break at 1300 (Brookwell 1/29).
7345 CZECHOSLOVAKIA R. Prague; 0045 Czech tik (Uerlings). *0100-0157* EE ID (Heckenlively, Schipelliti, Edelstein, Jordan). 2020 EE tik, mx (Clark). 2200 Czech tik, mx (Alexander).
7355 USSR R. Moscow; 0105 EE cmntry on Egypt (Binhop). 0234 EE tik on Cuba & USSR (Edelstein)
7355 USSR R. Peace & Progress; 1042 EE 'Broadcast of Public Opinion' (Hutchins).
7360 USSR R. Kiev; *1930 EE cmntry & music from the Ukraine (Bernstein 1/30).

- 7360 USSR R. Moscow; 0054 SS CM w/mx & cmtry (Uerlings). 2150 EE Tlk & ID (Alexander).
 7373 VIEFAM Hanoi; 1354 VV talk by man & woman w/chorus, TC, ID, IS, tsk (Brookwell).
 7380 USSR R. Peace & Progress; 0100 IS & PP ID (Uerlings 1/24).
 7385 CHINA R. Peking (Xinjiang Qinghai); 1410 CC tsk to 1428* w/International (Brookwell).
 7385 USSR R. Peace & Progress; 0100 PP nx (Carbone). *1430 Chimes & Asian lang (Brookwell).
 7390 USSR R. Moscow; 0102 SS YL w/talk (Uerlings 1/24).
 7400 USSR R. Moscow; *2130 EE nx to Africa//7120,9490 & 9800 (Gionet 1/18).
 7412.5 ISRAEL IBA; 0500 EE nx (Godfrey, Schwartz, Brookwell). 2230 EE (Schwartz, Woltman, Marshall
 7429 USSR MAYAK; 1349 RR HS pgm (Brookwell 1/15). Fraser)
 7440 USSR R. Moscow; 0100-0130 EE nx, cmtry, sports & letter box (Marshall 1/30).
 7462v ISRAEL IBA; 0549 Hebrew talk by man & woman, mr. (Brookwell 1/12).
 7465.7 UNID ASIAN; 2300-2325 f/out. Faint w/some CW QRM on low side & Peking in SS on high
 side. Too weak even w/presselector. Likely Asian. Severe flutter. (Magne).
 7470 CHINA R. Peking; 1552 EE tsk about fulfilling Mao's wishes, ID (Bryan 1/23).
 7470 VIEFAM VOV; 0958 concluding Malay svce into EE 1000 w/nr haedlines (Padula 1/31).
 7488v USSR MAYAK; 1724 RR w/chimes, TC, MAYAK info, bulletin, etc. (Poppin 1/17).
 7500 AUSTRALIA Time Station WMC; 1453 Time signals. Good. (Hywarren 2/1).
 7504 CHINA R. Peking; 1732 CC tsk w/International sung before s/off (Poppin 1/17).
 7512 VIEFAM (Tay Nguyen); 0955 Laotian tsk by lady into orchestral mx (Padula 1/31).
 7580 KOREA (NORTH) R. Pyongyang; 0738 EE ID (Poppin). 1308 EE w/nr (Brookwell).
 7590 CHINA R. Peking; 1313 Chaoshou tsk (Brookwell). -I have French listed as lang (ed)-
 7620 CHINA R. Peking; 1736 EE talk (Poppin). 2045 EE tsk on USA & Korea (Hardester).
 7770 CHINA R. Peking; 1320 CC HS 2nd pgm w/talk by man. UFE QRM (Brookwell 1/11).
 7935 CHINA R. Peking; 1330 CC HS 1st pgm w/talk pgm (Brookwell 1/11).
 8060v ALGERIA RTVA; 1910-2400* w/Africanish-Arab nx, nx, chants. Varying carrier & modulation
 problems suggest this choice of fq is due to tx drift rather than conscious problems.
 Much FAX QRM. From 1/22 to 1/30 & still going, thanks to tip from Al Roth (Magne).
 8063 NUMBERS; 1914-1920* 5-digits groups in EE, then "End of Info" & off. Most unusual
 accent may be tipoff as to country for linguists, don't confuse w/Algeria (Magne).
 8170t LAOS (Luang Prabang); 1334 Laotian w/chorus songs, orchestra mx w/tlk (Brookwell).
 8565 CHINA R. Peking; Regional Svce in Kazakh lang w/talk//6645 at 1412 (Brookwell 1/29)
 9009 ISRAEL IBA; 1812 lang w/memtions of Jerusalem. Fair w/fading (Hywarren 2/1).
 9022 IRAN VOl; 0319 Lang w/positive ID(Poppin). *2000 EE nx (Lombardo, Yajko).
 9300 SYRIA SARB; 1830-1955 w/mandolin mx (Magne). 2035 EE nx, ID, etc. (Cohen).
 9360 SPAIN RRE; 0003 SS tsk, ID (Edelstein). 2227-0330 SS ID, etc. (Alexander, Edelstein).
 9410 ENGLAND BBC; 0015 EE (Edelstein). 2013 EE cmtry (Bryan). 2310 EE nx (Dalrymple).
 9425 ISRAEL IBA; 2005 EE nx, ID (Alexander 1/30).
 9435 ISRAEL IBA; 2230 EE ID, nx, etc. (Poppin, Bryan, Alexander).
 9440 CHINA R. Peking; 0050 SS tsk & CC mx (Yajko 1/15).
 9445 CANADA RCI; 2200 EE nx & features (Beal 1/4).
 9450 USSR MAYAK; 0636 RR play (Edelstein). 1740-1830 RR ID, IS, mx (Poppin, Hywarren).
 9460 PAKISTAN R. Pakistan; 1643 EE pgm (Godfrey 1/27).
 9470 CHINA R. Peking; 0018 Hakka tsk (Padula). 1930 EE w/EIR, ID, etc. (Poppin).
 9475 EGYPT R. Cairo; 1830 AA ID, tsk (Bogel, Poppin). 2258 AA tsk & mx (Bryan).
 9480 ALBANIA R. Tirana; 2030 EE nx & cmtry (Hammer 1/29).
 9490 USSR R. Sta Rodina; 1301 RR ID & nx (Sarrasin). 2300 RR IS w/talk (Bryan).
 9500 ALBANIA R. Tirana; 0702 EE nx, ID (Edelstein). 1930 EE nx, mx, cmtry (Zilmer).
 9505 JAPAN NHK; 0709 EE nx, mx, TC. Poor signal (Edelstein).
 9505 PERU R. America; 0415 SS w/tlk & mx (Marshall 1/11).
 9505 SPAIN RTVE; 2115 EE w/mx pgm (Dalrymple 1/6). Snyder)
 9510 SEYCHELLES FEBA; *1700-1805+ IS, EE ID into Farsi pgm, AA pgm, EE pgm (Schulman, Mayer,
 9510 TAIWAN BCC; *0900 CC. Beware of Peking on same channel (Willis 1/28).
 9515 AUSTRALIA R. Australia (Shepparton); 0650-0730 EE ID (Edelstein, Grenier).
 9515 TURKEY VOT; 0608 Turkish (Edelstein). *2200 EE (Newman, Onken, Marshall, Fraser).
 9518v PERU R. La Cronica; 0340-0500* SS ID (Nebron). 1130 SS tsk, ID, ads (Zilmer).
 9520 SPAIN RTVE; 2350 SS w/pips, ID (Wiseblood 2/4).
 9525 CUBA RHC; 0730 EE talk, music & identification (Edelstein).
 9525 INDIA AIR; 2003-2135 EE talk w/Indian & march mx (Edelstein, Stroh, Dunn, Hammer).
 9525 JAPAN NHK; 2345 EE nx & mx (Ohtake 1/12).
 9525 KOREA (SOUTH) R. Korea; 1000 EE nx (Dalrymple 1/7).
 9525 MONACO TWR; 1030-1100 EE Religious tsk (Camillo). 1502 IS, Gospel pgm in RR (Brooks).
 9525 USA WYPR; 0207 SS ID, mx, etc. // 9555 & 9715. (Edelstein).
 9535nf INDIA AIR; Heard to 0115* (ex 9525). Not audible regularly. (Padula 1/8).
 9540 CYPRUS RBC; 1720 EE w/African Service. Fair signal (Cohen 1/30).
 9540 UZBEK SSR R. Tashkent; 1210 EE cmtry on Vietnam, ID, etc. (Fraser 1/13).
 9540 AUSREALIA R. Australia (Shepparton); 1110 EE//9585 (Gaffin). 1804 EE (Poppin).
 9540 POLAND Polish Radio; 1615 EE tsk (Tunnenwald). 1806 PF nx, tsk & mx (Gionet).
 9545 ANTIGUA DW; 0515 EE ID & Jazz mx (Edelstein 2/5).
 9545 FRANCE RFI; 1725 EE w/Paris Calling Africa. Not listed in sked. (Brooks).
 9545 SEYCHELLES FEBA; 0344 EE tsk, ID, Radio Today Program (Fedor 2/4).

- 9550 CUBA RHC; 1225 SS cmntry & ID (Fraser 1/17).
- 9550 NORWAY R. Norway; 0025 EE talk about Iron Stoves (Yajko 1/17). (Padula 1/8)
- 9555 GERMANY R. Liberty; 0025 Turkestani nx, quoting items from "S. China Morning Post" in Farsi
- 9555 KUWAIT R. Kuwait; 1700 EE news (Peterson 1/8).
- 9555 NIGERIA VON (Ibadan); 1720 EE w/IS (Talking Drums) (Poppin 1/14).-Are you sure? (ed)-
- 9555 USA WYFR; 0130 SS religious pgm. QRM! (Noonan 1/13).
- 9560 AUSTRALIA R. Australia; 1415 Cantonese talk & mx (Ohtake 2/5).
- 9560 BULGARIA R. Sofia; 1600 Turkish ID, nx, mx, etc. (Poppin, Hoffmann).
- 9560 JAPAN NEK; 1630 AA ID "Huna Tokyo", talk & mx (Hardester 1/29).
- 9560 JORDAN R. Jordan; 1625-1730* EE ID, nx, light mx (Frajer, Taylor, Sherman, Brooks).
- 9560 ECUADOR HCJB; *0040-0640 EE (Newman, Swanson, Thompson, Hynes, Jordan, Edelstein, Stroh,
- 9565 PORTUGAL RCI (Sines); noted IS under VOA at 1529. Poor (Hauser 2/6). Raper).
- 9566 CHILE VOG; *0155 FF into EE at 0210 (Schulman, Troster, Frajer, Gionet).
- 9570 ENGLAND BBC; 2300 EE nx (Dalrymple). -I believe this is from Malaysia (ed)-
- 9572 CHILE Emisora Diego Portales; 1630 SS phone in show, ID. Fair (Mayer 1/30).
- 9575 AUSTRALIA R. Australia; 1300-1500 EE nx, mx, interviews (Hynes, Ohtake, Zilmer).
- 9575t INDIA AIR (Bombay); 1327 Sub-continental style mx, chants, Fair/poor (Laves 1/9)
- 9575 ITALY RAI; *0100 EE nx (Onken). 0240 Italian tlk, opera (Bryan) 1832 Italian (Hywarren)
- 9580 AUSTRALIA R. Australia (Shepparton); 1130-1210 EE nx, mx, etc. (Woltman, Fraser).
- 9590 ASCENSION IS BBC; 0242 EE Drama (Bryan). 1855 FF into EE into AA 1915 (Brown, Bogel).
- 9580 KOREA (SOUTH) R. Korea; 1000 EE nx into SS 1030/9525 (Padula, Dalrymple).
- 9580 KUWAIT R. Kuwait; 1730-1900 EE (Alexander, Cohen, Gaffin, Yajko, Fedor, Brown, Zilmer).
- 9580v PHILIPPINES VOP; 0900 EE (Willis). 1400 EE (Luce). 1530-1655* EE ID (Schnabel, Godfrey).
- 9585 JAPAN NHK; 0017 Japanese nx (Padula). 1800 EE pgm (Marshall 1/14).
- 9585 SOMALIA R. Mogadishu; 1818-1926 Somali & AA tlk, mx (Miller, Alexander, Hywarren, Macris).
- 9585 SOUTH AFRICA RSA; 0401 EE nx, etc. (Edelstein). *2230 EE tlk about Transkei (Newman).
- 9590 CHILE R. Pres. Balmaceda; 1045 SS nx & ID (Yajko 1/20).
- 9590 SWAZILAND TWR; 0502 EE DX Special, Religious mx (Camillo 2/5).
- 9595 JAPAN NSB; 0015 fade-in; JJ (Padula). 0245 JJ tlk, mx, etc. (Bryan).
- 9595 PORTUGAL R. Free Europe; 0635 Romanian w/pop mx (J. Mathis, S. Wonder, etc.) (Gaffin).
- 9600 USSR (Asiatic) Okhotok; 0030 RR HS 1A pgm//9620, 9645, 9725, 9810 (Legge 1/16).
- 9600 USSR R. Tashkent; 1400 EE tlk. Over-run by QRM (Luce 1/19).
- 9610 AUSTRALIA VLN9 (Perth); 1406 EE nx, wx, horse race, etc. (Troster 1/19).
- 9610 USSR R. Kiev; 0030 EE nx. Ann'd//s 15100, 11690, 7215, 7150, 5980 (Anderson, Zilmer).
- 9610 USSR R. Vilnius; *0100 EE news & cmntry (Brown 1/23).
- 9605 VATICAN STATE Vatican Rep; *0029 SS ID (Alexander). 0100 EE (Uerlings, Sarrazin).
- 9620 ECUADOR HCJB; 0453 RR talk, mx, ID, Time pips (Edelstein).
- 9620 MOZAMBIQUE R. Mocambique; 0606 orchestra mx, clear ID by man. (Padula 1/7).
- 9620 YUGOSLOVIA R. Belgrade; 2200 EE (Peterson, Alexander, McCoy, Cohen, Clark, Stroh, Beal).
- 9622 UNID; 0500 SS station noted here. Can not hear well enough for ID (Willis 1/20).
- 9625 SWITZERLAND SBC; 0100 SS ID, IS. CBCNS QRM (Brown 1/31).
- 9630 NETHERLAND ANTILLES R. Nederland; 0630 EE Happy Station (Dalrymple).
- 9630 SPAIN RVE; *0100 SS ID, nx (Jordan). 0230 SSW/mx (Dunnigan).
- 9635 ENGLAND RCI; 1955 ending EE for Africa. Seems to replace 9685 (Padula 1/30).
- 9640 ANTIGUA DW; *0230 EE ID, SS pgm (Thunberg, Alexander). *1000 PP to Brazil (Padula).
- 9645 BRAZIL R. Bandeirantes; 0130 PP OM in rapid-fire tlk, ID (Cohen 2/3).
- 9645 COSTA RICA TIPC; 0350 EE religious talk, mx, ID (Anderson 1/9).
- 9645 NORWAY R. Norway; *0100 Norwegian w/IS, ID, mentions of Norway (Ware 1/21).
- 9645 PHILIPPINES R. Veritas; 1400 EE talk by woman. Weak signal (Luce 1/21).
- 9650 PORTUGAL IIRA; 2045 RTE in EE; Revival Hour (Greens) -Are you sure abt the frequency?-
- 9650 USSR R. Peace & Progress; *0102 PP w/IS, ID into tlk (nx?) (Ware 1/21).
- 9650.3 COLOMBIA R. Nacional; *1158 SS w/ID & Anthem, SS mx (Gearhart 1/22).
- 9655 CANADA RCI; 0343 FF ID, IS, Allo-DX pgm w/SSR-1 Review (Edelstein).
- 9655 THAILAND R. Thailand; 1250-1350 Thai (Probably) tlk & orchestra mx (Sarrazin). (Cohen).
- 9660 VENEZUELA R. Rumbos; 0250 SS (Alexander) 0425-0625 SS (Sapoznikow, Earhart, Luce) 1130 SS nx
- 9655 COLOMBIA R. Nacional; 0329 SS w/LA mx, TC, tlk, etc. (Edelstein).
- 9665 BRAZIL R. Nacional Brasilia; 0410 PP w/jazz mx (Gaffin). 1035 FF ID, ads (Yajko).
- 9665 KOREA (SOUTH) R. Korea; 2000 EE for Europe (ex 9640); KK 2030//9720 (Padula 1/30).
- 9665 MALAYSIA R. Malaysia; 1530 EE tlk, nx, 6 pips on GMT $\frac{1}{2}$ hour; then lang (Hardester).
- 9670 PORTUGAL AWR; 0905 EE (Bishop). 2045-2100 EE (Taylor). 2100+ EE ID, AA pgm (Lombardo).
- 9670 SAUDI ARABIA BSKS; 1300 w/HS. QRM. (Willis 1/15). Believe from Jiddah; not Riyadh (ed)-
- 9675 GREECE VOG; 1915 EE w/local & world nx & Greek mx to Europe. 1930 FF (McLaughlin,
- 9675 POLAND Polish R; 0630 EE news (Dalrymple). Tannenwold).
- 9680nf ANTIGUA DW; *2200-0150* GG to Sam. DW's 2nd Antigua transmitter (Legge 2/4).
- 9680 AUSTRALIA VLN9 (Melbourne); 1125+ EE w/Australia nx (Yajko, Bishop).
- 9680 GERMANY (WEST) VOA; 0631 EE w/Breakfast Show, mx, interviews, etc. Fair. (Mulvey).
- 9680 SOUTH AFRICA SABC; 0540 EE w/nx, bongos mx (similar to Mid-East), ID (Sarrazin).
- 9685 BRAZIL R. Gazeta; 0045 PP sports pgm w/ID (Zilmer 1/18).
- 9685 CUBA RHC; 0100-0400 EE nx, Cuban Folk mx, etc. (Marshall, Swanson, Jordan, Brown, Zilmer).
- 9685 TAIWAN VOFC; 1715 EE w/Music in Taiwan (Grenier 1/15).

- 9690 ARGENTINA RAE; 0040 PP(Alexander). 0253 SS into EE (Anderson,Mooney,Bryan) 0547 SS
 9690 AUSTRIA Austrian Radio; 1848 EE, reading letters (Alexander 1/30). (Edelstein).
 9690 TAIWAN BCC; 2215 CC HS in Chinese dialect (Presume Amy) (Padula 1/21).
 9695 BRAZIL R. Rio Mar; 0028 PP ID (Zilmer). 0240 PP w/OM vocals & tlk by YL (Hywarren).
 9695 PORTUGAL RFE; 2258 Hungarian IS to 2300. Not Czech as in WRVH. Hungarian pgm(Brooke).
 9700 SEYCHELLES FEBA; 0335 EE (Meehan) 0409 EE ID (Dunn). 0330 EE (Luce)-Thanks! (ed)-
 9700 BULGARIA R. Sofia; 1930-2000 EE(Marshall,Brown,Stauner). 2130 EE nx (Zilmer).
 9705 INDIA AIR; 1130 EE//11850 (Willis). 0200 Tibetan (Willis).
 9705 BRAZIL R. Maua; 0030 PP w/Rapid Talk, ID (Zilmer 1/18).
 9705nf BULGARIA R. Sofia; 0000 EE nx. Replaces 9700 only at this time (Zilmer 1/21).
 9710 ITALY RAI; 2200 EE nx, cmntry, local mx to Far East//11905 (Zilmer 1/23).
 9710 USSR R. Moscow; *0230-0300* SS "Escucha-Chile"(Gaffin). *2030 FF nx (Gionet).
 9715a FRANCE RFI; 1730 EE Paris Calling Africa (Stauner 1/11).
 9715 HOLLAND R. Nederland; 2215 EE w/His & Hers pgm (Pearson).
 9715 NETHERLAND ANFILLES R. Nederland; 0500-0543 EE tlk (Edelstein, Swanson).
 9720 SRI LANKA SLBC; 1557-1610 EE(Osterman,Poppin,Mooney). 0110+ EE ID(Nebren,Hoffmann).
 9720 KOREA (SOUTH) R. Korea; 1800 EE(Poppin,Imbert,Thompson). 2030 KK//9665 (Padula).
 9720 USSR R. Atlantika; 1630-1800* RR mx, tlk, ID (Taylor 1/23).
 9720 USSR R. Rodina; 1400 RR talk & mx (Luce 1/25).
 9725 BEIGIUM BRT-4; 2245 IS & EE/FF ID, Sunday pgm into mx (Uerlings 1/30).
 9725 SEYCHELLES FEBA; 0305 Swahili w/Religious pgm (Sarrazin).
 9725 USSR Yakutsk; 0534 RR cmntry, nx items given separated by Guitar strums(Edelstein).
 9730 GERMANY (EAST) RBI; 0315 EE (Luce 1/13). 1850 EE tlk pgm (Dunn 1/23).
 9730 SAUDI ARABIA BSKSA (Riyad); 0522 AA (Edelstein). 2130+ AA tlk & mx(Brooks,Beal).
 9730 UGANDA UBC; 2000 PF; 2030 EE pgm; 2100 s/off (Schipelliti,Onken,Beal,Bryan).
 9735 GERMANY DW; 0313 GG w/nx, talk (Edelstein 1/2).
 9735nf SWITZERLAND SBC; 1315 EE with Excellent level (Willis 1/15).
 9735 USSR R. Yerevan; 0325 EE ID w/talk on Armenia (Uerlings 1/27).
 9740 ARGENTINA R. Splendid; 0150 SS w/LAm mx (Bishop)1/30
 9740 LIBERIA VOA; 0311 EE tlk, nx, mx, ID (Edelstein 1/2).
 9740 MALAYSIA BEC; 1730 EE with transmission on soccer game (Grenier 1/15).
 9740 PORTUGAL R. Portugal; 0455 PP w/accordion mx, M & W Announcer (McLaughlin 1/19).
 9745v IRAQ R. Baghdad; 1930-2030 EE (Fraser,Alexander,Greens,Yajko,Lombardo,Peterson).
 9745 USSR R. Moscow; 0337 Swahili w/nx, ID, talk (Edelstein 1/2).
 9750 CHILE R. Minería; 0054-0230 SS ID, Soccer, etc. (Hywarren, Sapoznikov, Clark).
 9750 ENGLAND BBC; 1500 EE nx, Symphonies Series-Neilsen's 5th (Fraser 1/16).
 9750 MALAYSIA WOM; 2300-0000 Indonesian service (Padula 1/7).
 9750 SWEDEN R. Sweden; 1400 EE nx & talk (Luke 1/26). (Edelstein).
 9760 GREECE VOG; 0015 EE(Imbert).0200 EE (Carbone,Dunn,Edelstein,Hywarren).0301 AA(?)Greek
 9760 ECUADOR HCJB; 0700 EE//9745. Beamed to Europe (Schipelliti 1/1).
 9760 MOROCCO VOA; 2108-2145+ EE nx, cmntry on inauguration, etc. (Brown, Noonan).
 9770 AUSTRIA Austrian Radio; 0000 GG w/sports nx (International Ski Meet) (Peterson 1/5)
 9770 HAWAII 4VEH; 1800 EE Request pgm of Religious mx, etc. (Troster, Stauner).
 9780 USSR MAYAK; 1813 RR cmntry on Ivan Ivantch, mx, etc. (Poppin 1/18).
 9780 YEMEN ARAB REP R. Sanaa; 1930-2114* AA ID, tlk, speech, mx (Brown, Gionet, Yajko).
 9800 USSR R. Moscow; *1800 FF news to Africa followed by Mailbag (Gionet 1/17).
 9805 EGYPT R. Cairo; 2025 FF w/AA mx (Bryan). 2230 EE tlk, pop mx (Gearhart, Brown).
 9810 USSR R. Rodina; 2331+ RR w/mx, talk, ID, TC (Earhart, Edelstein).
 9815 ISRAEL IBA; 2230 EF w/nx & cmntry (Beal 1/27).
 9833 HUNGARY R. Budapest; 0200 EE news & music (Ohtake 2/6).
 9841 VIETNAM Tay Nguyen; *0900 w/VV pgm. (Willis 1/20).
 9895nf HOLLAND R. Nederland; Out-of-Band! *0930 EE//7240,9660 (Padula 1/25). 1445 EE(Zilmer).
 1512 EE to SEAsia (McCoy). *2300 SS A3 AM! Deliberate use of out-of-band freq(Magne).
 9912 INDIA AIR; 2100-2220 EE w/nx, ID, cmntry, etc. (Lombardo, Lineback, Ware). Edelstein.
 9940 CHINA R. Peking; 0000 EE(Noonan,Gaffin,Schwartz,Gearhart,Ware,Cohen).0140 EE(Ohtake,
 9965 CHINA R. Peking; 0150-0258* SS "Aqui Peking" ID, marching mx, etc. (Ohtake,Edelstein).
 10004 USSR RID Time Station; 0117 Tipe pips w/RID in Morris Code (Sarrazin 2/6).
 10040 VIETNAM VOV; 0046 Indonesian tlk(Bryan). 1329 PF ID (Breedon). 1618 EE tlk(Uerlings).
 10110 CLANDESTINE R. Espana Ind; 2140 SS tlk on Spain. Jamming. (Gaffin 1/25).
 10225 VIETNAM (Hanoi); 2305 HS w/EE lang lesson, VV ID, RR lang lesson (Padula 1/15).
 11290 CHINA R. Peking; 0515 CC tlk & mx (Bogel). 1626 CC dramatic recitations (Poppin).
 11375 CHINA R. Peking; 0003 SS cmntry, nx (Poppin). 2235 SS nx & cmntry,CC mx (Fraser).
 11535 KOREA (NORTH) R. Pyongyang; 0520 PF (Bogel). *2300 EE nx (Poppin,Zilmer,Godfrey).
 11646.2 SOMALIA R. Hargeisa; 1440-1515 Somali pgm (Field,Garrou,Bishop,Javes).
 11655 ISRAEL IBA; 1229 EE ads into FP at 1230 (Yajko 1/20).
 11695 CLANDESTINE (BULGARIA) Radio-ye Peyk-e Iran; 1622 Farsi tlk,mx. Jamming (Sarrazin).
 11700 GERMANY (EAST) RBI; 1405 AA nx, tlk, Beethoven piano mx (Gaffin 1/22).
 11700 VATICAN STATE Vatican Radio; *2356 IS, Bells, SS ID & SS pgm (Mulvey 1/6).
 11700 DOMINICAN REP R. Clarin; 1750-0030 SS w/EE pgm from 2330-0000(Hywarren,Alexander,
 Newman,Stroh,Mulvey,Mooney,Swanson,Peterson,Lombardo,George,Imbert,Bryan). 73/10

log report section



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11701.....

MARCH, 1977

Everyone's support continues to be outstanding. As always space is tight, but all loggings sent in are appreciated. Apologies for cuts due to lack of room. I am hoping the cheapie typewriter ribbon I'm using this time round will not blur too much. Next month this section gets 5 pages.

- 11705 NEW ZEALAND RNZ; 0302-0445 EE, mx pgm (Grenier 1/31, Bogel 1/29).
11705 VATICAN VR; 2052-2100 EE, rel nx, mx, ID, IS, poor (Smith 2/5).
11710 NEW CALEDONIA R. Noumea; 0311-0455 FF, DJ/pop mx, weak with QRM from New Zealand (Bogel 1/29, Wiseblood 1/30).
11710NF USA WINB; *0003 EE, ID followed by scratchy old hymns until 0032 when SS gospel pgm originating in Guatemala; 0104* (Hauser 2/3).
11720 CANADA CBC N.S.; 2235-2300 Eskimo?, C&W mx, good but xmtr shut down at 2241 mid-song & returned 2 minutes later (W.Hoffman 2/5).
11730 GREECE VOG; 0015-0030 EE, nx (Onken 1/19); *1500-1515 Greek, NA at s/on (Hywarren 2/2); 1515+ EE to N.Am., good (Brown 1/22).
11730 USSR "RS Peace 'n' Progress"; 2300-0010 CC (Wiseblood 2/5).
11737.8 BRAZIL R. Clube de Goiania; 0245 PP, DJ w/Braz pops, weak, the other 25 m. Brazilians also noted this time period (McNeil 1/25).
11740 MALAGASY REP. RN-Talata; 1922 AA, mx, W, tlk (Bryan 1/23).
11740 INDIA AIR G.O.S.; 2220 EE, program notes (Yajko 1/23).
11745 FRANCE RFI; 0755-0801 FF, M-nx, W-ID, tlk & mx (Edelstein 2/5).
11745 TAIWAN VOF; *1000-1100 KK, 1102+ JJ, //11825 (Padula-AUST 1/30).
11755 FINLAND RF; *1430 EE, "Letterbox" (Onken 1/23); 1435-1459* EE, pop mx, LBX (Stroh 12/19); 1455 EE, cmntry (Woltman 1/14); 1458 EE, Sked, ID, IS, into Finnish (Bryan 1/28).
11760 USA VOA-Greenville; 1924 EE, ID, TC, good (Jordan 2/8).
11765NF PHILIPPINES FEBG-Manila; 0750 EE, "Operation Friendship" (Dalrymple 1/12); 0800-0830 EE, good, //11850 (Padula 1/15, Willis 1/15).
11770 ETHIOPIA ETLF; 0535 EE, nx (Dalrymple-AUST 1/8).
11770 S. YEMEN DYBS; 2024 AA, chanting (Miller 1/28).
11775 INDIA AIR G.O.S.; 1030-1100* EE, nx, comment, Ind. mx (Camillo 2/9).
11775 SPAIN RTVE; 2230-2345 SS, TC, nx (Bryan 1/23, W.Hoffmann 2/5).
11775 USA WINB; 2140-2152 EE, "Bible Time" (Dalrymple 1/6, Schipellitil 1/4).
11780 BRAZIL RNB; 1853-1902 PP, IS, ID, address, mx (Noonan 1/15); 2100-2200 EE, local mx, dx pgm (5 reporters).
11785 BRAZIL R. Guaiba; 2330-0100 PP, pop mx, nx, time pips, ads Wiseblood 2/5, Bryan 1/10, V.Newman 1/2).
11785 SPAIN RTVE; 1950-2015 SS, flamenco mx, ID (McLaughlin 2/6).
11789.2 INDONESIA VOI; *2330-2345 EE, IS, ID, NA, nx, fair/good, slight het. (Roberts 1/8); 2359 EE, mx pgm, end, ID (Dunn 1/23). Bagus -ed.
11790 PORTUGAL RP; 2333 PP, ID, tlk, mx, heterodyne (Noonan 1/15).
11795 RWANDA DW-Kigali; 2235 GG to N.Am., good (Jordan 1/19, Bryan 1/23).
11800 BRAZIL RNB; 1535-1606 PP, soccer game, ID at 1549, pips at 1600, QRM from SLBC (McLaughlin 1/16). NF? Maybe only sport pgms -ed.
11800 PHILIPPINES R. Veritas; 0030 CC, *1100 CC (Padula 1/23 & 1/9).
11800 SOUTH AFRICA R. RSA; *2055-2130 EE to W. Africa, Europe (Brown 1/27); *2230-2320* EE, //9585, 11900, 5980 (6 reporters).
11800 SRI LANKA SLBC; 1240-1705 Hindi, Indian pops (5 reporters).
11805 BRAZIL R. Globo; 0000-0229 PP, nx w/sound effects, pops (Wiseblood 2/5, Mooney 1/26, Bryan 1/10, Hywarren 1/29, Jordan 2/8).
11805 USA WYFR; 1936-1942 EE, "Radio Reading Circle" (Jordan 2/8).
11810NF ANTIGUA DW relay; 1200-1220 GG to C.Am., 1330-1320 GG to N.Am. (Legge 2/4); 1330 EE/GG ID, then GG nx, mx, ann. freqs of 9605, 15245, 17800, all heard with good signals (Zilmer 2/6).
11810 CHILE VOC; 1050-1110 EE, tlk abt Easter Island (Camillo 1/18); 1350 SS, talk, music, ID (Luce 1/30).
11810 INDIA AIR-Aligarh; 1330-1400 EE, nx, mx, interviews (Camillo 1/21, Yajko 1/19); 11810, covered by DW-Antigua to 1350 (Brooks no date). (Dunn 1/9, Anderson 1/11, Laves 12/29).

- 11815 INDIA AIR G.O.S.; 0114* EE, nx, sked, ID (Bryan 1/10).
- 11825 SOCIETY IS. R. Tahiti; 0120-0445 FF/TT (5 reporters); *1558 FF, Marseillaise, ID by M, mx (Breden 1/31).
- 11830 UK CBC-Daventry; 1915-1945 EE/FF, Afr. political nx, dangers of snow shovelling, beam to Afr., fair (Brown 1/27).
 BBC W.S.; 1931-1942, financial nx (Jordan 2/8). Switching error? -ed.
- 11830 USA V. OAS via VOA-Bethany; *2345 SS, IS, ID (Noonan 1/15).
- 11835 ECUADOR HCJB; 0340-0348 RR, cmntry, ID, //9620 (Edelstein 2/4).
- 11835 HAITI "RS 4VEH"; 1213 EE, wx (high there 83, here 20) into "Psychology for Living" (Bishop 1/13); 1400-1406* EE, nx, wx (again? -ed), address (Luce 1/29, Mooney 1/19); 1825 EE, rel mx, W DJ (Alexander 1/23); 2000 EE, rel. pgm (Bryan 1/23); 2113-2122 EE, ID w/"76 Trombones", mx req. pgm (Poppin 1/17); 2300 SS (W. Hoffmann 1/15).
- 11840 JAPAN NHK; 0100 JJ, WONA Svc, fair (Ohtake 2/8, Padula 1/23).
- 11840 PORTUGAL RP; 2316-0035 PP, ID & NA at 0030; guitars (McLaughlin 1/18).
- 11845 AUSTRALIA RA; 0600-0610 EE, nx (Earhart 1/16).
- 11845 SEYCHELLES FEBA; 1528-1640 EE, rel. pgm (McCoy 1/28, Godfrey 1/18, Dunn 1/23, Yajko 1/16, Osterman 1/23).
- 11850 GERMANY W. DW; 1605 FF to Afr., Swahili at 1615 (Gionet 1/29).
- 11850NF PHILIPPINES FEBC; *0800 EE, rel. show, //11765 (Padula-AUST 1/15).
- 11855 SAUDI ARABIA BSKSA; 1930-1930 EE, severe QRM (Yajko 1/21).
- 11855 USA WFRR; 2325 SS, rel. tlk, IS 2327 (Dunnigan 1/22).
- 11860 FRANCE RFI; 1850-1906 FF, familiar interlude mx (Earhart 1/30).
- 11865.8 BRAZIL Radio Clube Pernambuco; 2315-0235 PP, sports events, Brazilian pop mx (Wiseblood 2/2, Bryan 1/17, Hywarren 1/29).
- 11875 JAPAN NHK; *2245-2330 CC, Indonesian? at 2330 (Wiseblood 1/30).
- 11875 GERMANY E. RBI; 0529 EE, mx, cmntry (T. Smith 1/18).
- 11880 TURKEY TRT; 0355-0417 ?-lang, tlk by M&W, fair (Bogel 1/29); 1940 Turkish, tlk (Miller 1/28); 2055-2112 GG, nx, mx, cmntry Beal 1/17, Poppin 1/17).
- 11890 FRANCE RFI; 1701-1711 EE, PCA, nx, Afr. mx (Smith 2/6).
- 11890 PHILIPPINES FEBC; 2335-2342+ EE, excellent today (Wiseblood 2/4).
- 11890 USSR "R. Kiev"; 0054 EE, ann'd 5980, 7215, 15100, 11690, and 9610, fair (Zilmer 2/4).
- 11895 NORWAY RM; 0800 EE (Dalrymple 1/2); 1603-1812 EE/NN, "Norway This Week" on Sundays (Mooney, Sarrazin, Cohen, & Dunn: all 1/23).
- 11905 FRANCE RFI; 1545 FF, sports, good/excellent (Sarrazin 1/23).
- 11905 GERMANY W. DW; 1953 EE, mx, bulletin Afr. nx (Fedor 1/31).
- 11905 ITALY RAI; 1845-1905 II, mx, IDs, IS, possible s/off, QRM from R. RSA at 1900 (Godfrey 1/27, Noonan 1/28).
- 11910 ALGERIA RTVA; 1740 FF, tlk on Palestinians, followed by chant to 1759, short break in carrier, then AA nx at 1800 with stronger signal (Gionet 1/16).
- 11915 ECUADOR HCJB; 0115-0615 EE, usual rel. pgm (6 reporters).
- 11920 IVORY COAST R. Abidjan; *0557-0602 FF, open carrier to IS, NA at 0600, nx (Wiseblood 1/30); 1849-2135 EE/FF (6 reporters).
- 11920 SPAIN RTVE; 1855-1921 SS, some mx, mostly tlk (Bogel 1/28).
- 11925 GREECE VOG; 1815-1825 EE, nx, ID, fair (Mooney 1/22).
- 11925 NETH. ANTILLES TWR-Bonaire; 0045-0105 EE (Jordan 1/19, Ware 1/21).
- 11925 PORTUGAL RP; 1900 PP, TC, ID, lcl mx, fair (Miller 1/30).
- 11925 SWEDEN RS; 1427 EE to 1430 Swedish (Gionet 1/29).
- 11930 FRANCE RFI; 1700-1740 EE, PCA, fair (V. Newman 1/13, Mooney 1/9).
- 11930NF IRAN NIRT; 1720-1730 Parsi, mx, strong but under RFI at times (Krueger 1/23); 2028, Iranian melodies, 2029 IDs, anthem, then at 2030 into relay of "Radio Iran" for overseas audiences, //7215 also heard, 11930 interfered with by Paris (Padula 1/28).
- 11935 AUSTRALIA RA; 0615 EE, nx, mx, IDs, unlisted freq., //11740 (Cohen 1/30); *2230 VV following EE ID (Yajko 1/16).
- 11938NF CAMBODIA Phnom Penh, 1200 Cambodian, National pgm well heard here with QRM from R. Australia on 11935 and other stations on both 11940 and 11935, //4908; very pleased at hearing this previously unknown freq (M. Willis-AUST 2/2). I wouldn't mind hearing it either, congratulations! -ed.
- 11940 BELGIUM ORU; 1730-1735 EE, nx, cmntry, pops (Zilmer 1/22, Mooney 1/9).
- 11940 CANADA RCI; 2317-2345 FF/PP, nx (Wiseblood 2/4).
- 11945 CHINA RP; 2205-0156 SS/EE (11 reporters); second scene of the modern revolutionary ballet The White Haired Girl entitled "Our Great Dream from the Tiger's Den" (Marshall 1/30). Who says SW aint got no cultural pgms? -ed.

- 11945 LIBERIA ELWA; 1835 ?-lang, rel. pgm w/EE ID (Miller 1/30); 1915-2053* EE, rel. mx req. pgm, also transcribed pgms such as "Talk w/ the Pastor", "Back to the Bible" (10 reporters).
- 11950 LIBERIA ELWA; *0630-0640 ?-lang but EE ID after IS (Gaffin 1/30).
- 11950 SWEDEN RS; *1800 FF, nx, cmntry at 1805 (Gionet 1/17).
- 11950 USSR (KAZAKH SSR) R. Alma Ata; 1230 HS, RR to 1300, then Kazakh, sked is 0000-1930 (Legge 2/3); 1345 sentimental mx (Walcutt 2/21).
- 11955 ETHIOPIA ETLF; 1945-2028* EE, rel. pgms to W.Afr. such as req. pgm called "Play For Me"; heavy QRM lessens at 2000 when TWR-Manzini s/off (8 reporters; Stauner, Zilmer, Gionet, Anderson, Macris, etc!)
- 11955 MALAYSIA BBC-Tebrau W.S.; 0000-0015, nx, cmntry, g (Wiseblood 1/28).
- 11955 PHILIPPINES (t) VOA relay; *0130+ Hindi, site unknown but believe Phil. as unheard on usual 11815 at this time slot (Padula 1/22).
- 11955 SWAZILAND TWR-Manzini; *1800-1902* PP, choral rel. mx & hymns, not any sermons (Gionet 1/15, Hywarren 1/12, Beal 1/15, Stauner 1/10, Yajko 1/19); *1930-2000* FF, "R. Evangile" with booming signal, religious tlk and hymns, ID (Gionet 1/22, 1/23).
- 11960 ECUADOR HCUB; 0200-0228 SS, Ecuadorian mx, tlks (Thompson 1/29).
- 11960.8 MALI RN du Mali; 1810 FF, play by play of a soccer game, good (Gionet 1/16). Measured frequency on 2/20, also a Sunday -ed.
- 11960 NEW ZEALAND RNZ; 1810-1830 EE, old time mx, TC, wx (W.Hoffman 2/5).
- 11965 FRANCE RFI; 1705 EE, "Paris Calling Africa", //9550 (Gionet 1/15).
- 11965 SPAIN RVEVE; 0000-0009* SS, to C. & N. Am., good (Brown 1/30).
- 11970 CUBA RHC; 0216 SS, W tlk, LA mx, //11760, 9655, 15230 (Edelstein 2/3).
- 11985 ALBANIA R. Tirana; 1535-1545+ EE, nx, cmntry; good (Brown 1/29).
- 11990 CZECHOSLOVAKIA R. Prague; 1430-1500 EE, pgm for S.E.Asia & Pac. (Godfrey 1/27, Sarrazin 1/23, Yajko 1/19); 1825 EE (Alexander 1/22).
- 11990 USSR-Vladivostok (Asian RSFSR); 0250-0321 RR, folk mx w/Balaika orch, "Mayak" info bulletins (Poppin 2/1). Site: Bill Davis via UHN #3 -ed.
- 12012 COSTA RICA R. Relej; 6006 x 2, 2310-0000 SS, mx, usual stuff (Luce 1/14), mx, M, ID, "Ave Maria" (Bryan 1/24).
- 13250 VENEZUELA R. Euzkadi; 2145-2159* SS, tlk on Basque flag (Gaffin 1/30); 2155-2201* SS, "NA" at 2200, fair (Earhart 1/16).
- 15120 NIGERIA NBC; 2057-2130* EE, Afr. pops, occasional tlks (Uerlings 1/22, McNeil 1/22, Breeden 2/5, Onken 1/15).
- 15135 BRAZIL R. Record; 2048 PP w/DJ tlk, ad for something in Sao Paulo, into lt vocal by W interrupted every 10 secs. or so by DJ; poor and seems to be irregular (McNeil 1/22).
- 15140 USSR RM; 2300-2330 EE, nx, cmntry, mail bag; excellent, //s 15180, 17720, 15455 (Marshall 1/22, W.Hoffmann 1/23).
- 15145 BRAZIL R. Jornal do Comercio; 2015 PP, rapid tlk (Alexander 1/16).
- 15145 GERMANY E. RBI; 1315-1400* GG, old US pops, //15170 (Brookwell 1/21).
- 15180 HOLLAND RN; 1750-1810 DD, Mozart by Rotterdam Konz. (Schwartz 1/30).
- 15185 HOLLAND RN; 1430 EE, "Happy Station", //17810, fair (Zilmer 1/16).
- 15195 JAPAN NHK; 2300 EE, G.S., nx (Ohtake 2/6); 0130 EE (Uerlings 1/14).
- 15200 USSR RM; 1248-1300* Gujarati, mostly W anncr, variety of mx inc. vocals reminding me of Thai mx (Earhart 1/8). Lang. per BBC MS -ed.
- 15210 FRANCE RFI; 1550 FF, mx, fair to poor sigs (Sarrazin 1/23).
- 15220 HOLLAND RN-Lopik; 1650* Afrik., closing mx (Alexander 1/29).
- 15220 MALAGASY REP. RN-Talata; *2000 FF, IS, ID (Alexander 1/23).
- 15220 SOUTH AFRICA R. RSA; 0623 EE, "Africa Survey" (Swanson 1/16).
- 15225 TUNISIA RTVT-Sfax; 1430 AA, chanting mx, recitations, poor (Zilmer 1/29); 1925-1945 AA, chant to 1930, nx by M, then chant (Gionet 1/16).
- 15260 FRANCE UN Radio, Geneva via RFI; *1828-1832 IS, 1832 FF ID then into AA relay of speech, good (Walcutt 2/21).
- 15290 PHILIPPINES VOA-Tinang; 2302-0020 EE (Richardson 12/7, Imbert 1/26).
- 15320 NETH. ANTILLES RN-Bonaire; 2300+ SS Happy Station (Stauner 1/23).
- 15335.6 COLOMBIA R. Nacional; 1300 SS, reactivated, tlk & continuous cl mx throughout the day, distorted audio (Zilmer 1/16). The signal lacks an upper sideband, which is why it sounds distorted; it is tuned in best on the lower sideband with a product detector or BFO -ed. 1435 SS, sparse IDs (Hauser 1/30); 2250-2300, cl mx, good (Mayer 1/7); 0000-0020, pips, gong, ID lesson on exponents (Gaffin 1/29).
- 15340 CUBA RHC; 1830 SS (Dunnigan 1/17); 2302 PP, tlk (Alexander 1/22).
- 15345 ARGENTINA R. Nacional; 1945-2045* SS, cl & semi-cl mx, good (W. Hoffmann 1/16); 1800-1830, cl mx (Rachmaninoff?), pips (Walcutt 2/20).
- 15345 NORWAY RN; 1600-1630 EE, nx & features (Frajter 2/6, Cooper 2/5 - I believe you mean 2/6 -ed, Gionet 2/6); 1800 EE, nx (Zilmer 1/23).
- 15349.3 LUXEMBOURG RTL; 1510 FF pops, "Baby Love" etc. (Gionet 2/6).

- 15365 ETHIOPIA ETLF; *1914-1956* FF; multilingual IDs followed by FF pgm, good (Taylor 1/22); 1913-1940 FF w/EE ID at 1913 (Troster 1/14); 1955* FF, ID following mx, 1955 TC (Dunn 1/23).
- 15382.3 ECUADOR HCJB; 2015 EE, loud spur with ca. 400 cycle hum, primary signal appear to be 15300 but latter actually 15299.6 (Walcutt 2/21).
- 15415 KUWAIT RK; 1345 AA chants & mx (Richardson 1/10).
- 15425 FRANCE RFI; 1725 EE, nx, drums, ID, address, poor (Imbert 1/22).
- 15425 SRI LANKA SLBC; 1230-1355 EE, nx, "The Quite Hour" (rel. pgm), mx, IDs, fair (Camillo 1/28, Moore 1/23).
- 15425 TAIWAN VOPC; 0035 CC, radio play, good (W. Hoffmann 1/17); 0100 EE, nx, talks, mx, not often heard here, NHK QRM (Bishop 1/29).
- 15435 TANZANIA RT; 1915 EE, ID, TC, mx, QRM de AFRTS-Bethany (Cohen 1/23).
- 15440 FRANCE RFI; 1710 EE, PCA, beamed to N.Am per sched. (Stauner 2/5).
- 15440 PHILIPPINES FEBC; *2330-2340 EE, ID, nx (Dunn 1/23, Yajko 1/14).
- 15485 ISRAEL IBA; 1200-1225 EE, nx, topics (Dalrymple 1/9, Earhart 1/28).
- 15583 FRANCE? "Radio Monte Carlo" feeder; 1330-1445 AA, pops, Warner Bros. musical IDs, M jock; USB feeder to Malta, move up from 15576v, weak, distinctive AA pgm (Magne) Cf. 17555; also see unid. 15576v in February "D" Section; also LN-5 "Monaco" in February FRENDX p. 20 -ed.
- 15790 CHINA Voice of the Malayan Revolution; 0004* Tamil, f (Hauser 1/27).
- 17540 ALGERIA Unid.; 1430 EE lesson, 1459 AA ID mentioning Algeria; strong but very distorted signal, like narrow-band FM (Hauser 1/17).
- 17555 FRANCE (cf. 15583) RMC-feeder; 1420 FF/AA, pops, SSB to Cyprus MW relay station (Hauser 1/17). Is it to Malta or to Cyprus or both?-ed.
- 17670 EGYPT R. Cairo; 1210 AA, tlk & mx, fair (Willis-AUST 1/15).
- 17695 CYPRUS BBC-Limassol; 1500-1530 EE, Afr. Svc., nx, good (Cohen 1/17).
- 17705 CUBA RHC; 1530 SS, ID, tlk by M, vocal mx, excellent (Sherman 1/16).
- 17720 USSR RM; 2330-2345 EE, ann'd//5940, 6125, 7105 etc. (Schipelliti 2/4).
- 17725 EGYPT R. Cairo; 1701 AA, nx, //17745, not as good (Beal 1/17).
- 17735 PORTUGAL RFE; 1533 ?-lang, M, rock mx, no jamming (Sherman 1/16).
- 17745 EGYPT R. Cairo; 1718 AA, singing & chanting, ID (Miller 1/30).
- 17755 MEXICO RM; 2245 SS (Clark 1/22). NF? Can't find it listed -ed.
- 17830 PAKISTAN (t) RP-Islamabad; *0300 ?-lang; chanting mx (Hoffmann 1/17).
- 17840 CZECHOSLOVAKIA R. Prague; *1430 EE, IS, ID, QRM (Brown 1/24).
- 17840 ASCENSION IS. BBC W.S.; 1550, Swedish arms exports cont (Bryan 1/28).
- 17845 USA WYFR; 1810-1902 EE, rel. tlks (Miller 1/30, Gionet 2/6).
- 17880 GERMANY E. RBI; 1405-1430 EE, cntry, ltx, to S.E.A. (Camillo 2/5).
- 17880 MALAYSIA BBC-Tebrau W.S.; 0018, nx about Utah exec. (Bryan 1/17).
- 17885 CUBA RHC; 2010-2045 EE, nx, folk mx, "P.O. Box 7026", to Europe (Brown 12/7, Schipelliti 1/6, Brown 1/29).
- 17890 TAIWAN VOPC; 0024 CC, two W in conversation (Bryan-CA 1/17).
- 18080 UK BBC W.S.; 1230-1326 CC/Cantonese (Fraser 1/25, Yajko 1/16).
- 20000 USA WWV; 1630 EE, time, poor (Fraser 1/24); 2020 time pips, 25000 kHz. not heard (Bishop 1/31). Wonder if anybody managed to hear them sign off for the last time at 0001* on February 1, 1977? -ed.
- 21460 BELGIUM ORU; 1315-1330 FF to Zaire (Ferrell 1/6); 1545-1610 FF, mx, announcements (Frajer 2/6, Gaffin 1/28).
- 21510 ITALY RAI; 1522-1630 II, good (Sherman 1/16, Ohtake 2/6).
- 21535 SOUTH AFRICA R. RSA; 1305-1319 EE (Earhart 1/8); 1456-1524 Swahili (Ware 1/20, Sherman 1/16); 1600-1640 EE (5 reporters).
- 21560 ITALY RAI; *1700-1710 II, tlk by M, poor (Gaffin 1/25).
- 21580 FRANCE RFI; *1515-1540 FF & EE "Cooperation Radiophonique", EE nx item at 1435, fair, //21675 (Gaffin 1/22, Sherman 1/16).
- 21585 SWITZERLAND SBC; 1520-1630 II/EE/GG (Sherman 1/16, Ohtake 2/6); strong but splatter from the Parisian powerhouse (Ferrell 1/6).
- 21610 USA VOA-Dixon; 2303-0000 EE (Gaffin 1/28, Bryan 1/17).
- 21640 NETH. ANTILLES RN-Bonaire; 1708-1736 DD (Bryan 1/30, Miller 1/30).
- 21670 USA VOA-Greenville; 1730-1740 EE, "Dateline" (Gaffin 1/25).
- 21685 MALAGASY REP. RN-Talata; 1525-1650* AA, Middle Eastern mx, nx, fair (Sherman 1/16, Bryan 1/28, Mooney 1/23, Uerlings 1/9, Ohtake 2/6).
- 21700 PORTUGAL RP; 1520 PP, ID, good (Sherman 1/16).
- 21740 USA VOA-Greenville; 1526 ?-lang, weak (Sherman 1/16).
- 23610 USA WYFR; 1620 EE, 11805 x 2, sermon, mx, correlates nicely with a sporadic-E opening from New England area, up to 70 MHz (Hauser 1/29).

Again, a reminder: send loggings in to Greg Ravenhorst, our Distributing Editor, with deadline on the 12th. Personally I am not adverse to receiving reports directly, but that way your name will not show up on the credits page. All comments, notes & queries or criticisms appreciated. 73, Steve



FRENDX CREDITS

Distr. Editor: Greg Ravenhorst

Rural Route, Hollandale, MN.

56045 MARCH, 1977

114 Reporters this month! Ladies & Gentlemen, a big THANK YOU from NASWA!!!

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* * * * *
HELPING HAND: For Sale. Hammarlund Sp-600 JX in cabinet w/manual, very clean. \$250 plus shipping.---Hammarlund HQ-180C w/noise blander & manual, mint condx. \$250 plus shipping. Tim O'Hare, 910 N.E. 114th, Seattle, WA 98125 (206-365-4446).---That's all my space! See ya' next month! '73's, *Greg*

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