
QSL

TRANS WORLD RADIO

Bonaire, Netherlands Antilles

Island of the Flamingoes

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North American SW Association

JUNE-1977

P.O. Box 13
Liberty IN 47353



AGRELLA, Louis, Houston, TX
 ALLEN, Richard N., Billings, OK
 BAKER, Mary Jo & Russ, Binghamton, NY
 BATSON, Robert C., Kansas City, KS
 BENSON, Donald, Cumberland, WI
 BEREZOWSKI, Robbie, Calgary, Alta.
 BIRKHAUSER, Dean, Wilbraham, MA
 BLACK, Allan, Oshawa, Ont.
 BLAIR, Stuart, Akron, OH
 BOWLES, Robert L., Sandy Spring, MD
 BRAMWELL, Fitzgerald, Sag Harbor, NY
 BROOKS, Richard, Hooksett, NH
 CANN, John R., Islington, Ont.
 CROVO, Dan, Florence, MA
 EVERSON, Irma J., Richfield, OH
 EVES, Edward T., Mobile, AL
 FOWLER, Melvin L., Glen Burnie, MD
 FURNESS, Gene, Temperanceville, VA
 GAGNON, Pierre, St. Jerome, Que.
 GIANNINI, Roger, Belleville, IL
 GRIFFIN, Stan, Birmingham, AL
 GROSS, Howard, Brooklyn, NY
 GUTZLER, Robb, Saint Jo, TX
 HANISCH, Shaler, Pasadena, CA
 HAYES, Harry J., Gouldsboro, PA
 HEINTZ, William J., Whittier, CA
 HOFFMAN, Paul, Islip Terrace, NY
 JOHNSON, Charles W., N. Kansas City, MO
 KERR, Nelson R., Jr., Hampstead, MD
 KETCHUM, Alton, Cos Cob, CT
 KIRKPATRICK, Thomas B., Jr., Chicago, IL
 KNOWLAND, Drew, Somerville, MA

KOHLER, Robert G., Oklahoma City, OK
 LAWENDEL, Andrea, Milano, Italy
 LEAL, William, Windsor, Ont.
 LILLIS, Mary Ellen, Cincinnati, OH
 LINDNER, R.F., West Liberty, IA
 MAGEE, Warren R., Big Sandy, TX
 MONTGOMERY, Howard D., Seminole, FL
 MROWCZYNSKI, Walter A., Camden, NJ
 MYLOD, Charles P., Charlottesville, VA
 NEWSOME, William, Arva, Ont.
 OLIVER, Thomas M., Kalamazoo, MI
 PLATT, Dr. Henry, Devon, PA
 RACKI, Henry R., Warren, MI
 RHODES, Daniel L., Lincoln, NC
 RICHARDS, Weston O., St. Charles, IL
 ROSENFELD, Rich, Monsey, NY
 SANTANGELO, Michael J., Blacksburg, VA
 SENG, R.C., Golden Beach, FL
 SIMMONS, Richard A., Calhoun City, MS
 STEELE, Ronald A., Amherst, MA
 STREVELER, Dennis J., Kaneohe, HI
 UTTER, Richard M., Rochester, NY
 VERNETTI, Rita M., San Francisco, CA
 VICHA, Emil J., Naperville, IL
 VILLEGAS, Ernest A., Alhambra, CA
 WESTLING, Mark, Austin, TX
 WILKINSON, G.A., Winnipeg, Man.
 WISMER, Douglas W., Kitchener, Ont.
 YORIFUJI, Kazuhiko, Hartsdale, NY
 YOUNDT, Michael J., Denver, PA

* * * * *

HELPING HAND: For sale. Heathkit SB-310 receiver in excellent condition. Manual included. \$200.00 including shipping if U.P.S. served. Contact Andy Robins, 2724 Fleetwood, Kalamazoo, MI 49008, or call 616/343-1890 after 5:00 PM EDT. No collect calls please.

HELPING HAND: For sale. Yeasu FRG-7 with manual in original carton and in mint condition. \$250.00 U.P.S. paid. Contact Larry Brookwell, 1826 Cypress, San Diego, CA 92154 or phone 714/429-9728.

NASWA

A REPORT FROM
HEADQUARTERS

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

IMPORTANT! ALL NOTE PLEASE: In the May issue of PRENDX, reference was made in the "Report From Headquarters" section to proposed changes to Articles A, C, and E of the Constitution approved October, 1976. Unfortunately, due to a mix-up, Article C was reprinted in its original form rather than the proposed revision intended which calls for the Executive Council to be enlarged to five members rather than the present three members. We regret this error and we now print the Article C intended for the May issue as well as repeating the revised Article E.

As you will note, Article C now calls for the two new members proposed for the Council to be elected by the membership, and the nominees for those positions would be any two of the current editors (or Chairmen) now serving on the PRENDX editorial staff, unless they indicate they decline to serve.

We are now calling for ratification of these proposed changes in the form of a vote from the membership which is to be received here at HQ no later than July 1, 1977. There is no official ballot to be used, and it would be appreciated if all who voted would use a post card on which the would indicate either "approved" or "not approved" on the proposed changes for Article C and a separate vote of either "approved" or "not approved" for Article E. All ballots must be signed to be considered. No vote is required on the change for Article A since that merely involves a change in wording to define NASWA as a SW only organization.

In the event Article C is approved, another vote will be called for in the earliest PRENDX possible to officially elect the two additional Council members.

We hope all members will take the time to review the matters at hand and send their votes indicating their preferences.


DX HOTLINE EDITOR NAMED: We are pleased to announce that Thomas B Alleman, Kansas City, Missouri will be the new DXH editor. Tom is a recent graduate from the law school of Washington University, St. Louis, MO and is employed by the U.S. District Court in Kansas City, has been a DXer since 1967 and a NASWA member since 1970. Due to getting settled in his new location and job, DXH will not start until the mid August issue. We had previously requested that new subscriptions and renewals for DXH be held off until the future of DXH was determined. Those who did not renew or want new DXH subscriptions may feel free to renew or subscribe now.

ACKNOWLEDGEMENT: Thanks to NASWA member Diane Levesque, Carbondale, IL for last month's cover design. Diane's artistic abilities have been seen in previous issues of PRENDX, and we hope she will continue to contribute.

ANARC CONVENTION JULY, 15, 16 & 17, 1977: The Association of North American Radio Clubs will hold their annual convention in Schaumburg, Illinois with the Woodfield International DX Club serving as host. Schaumburg is 30 miles northwest of downtown Chicago and is centrally located near the Chicago International Airport (O'Hare) thus providing easy access for DXers everywhere. All DXers of any age are invited to attend, meet fellow DXers informally and hear prominent speakers during the three-day meeting of this annual "All-Wave" confederation of radio clubs in North America.

Registration fee will be \$10.00. For information or reservations for ANARC-1977, contact Woodfield International DX Club, P.O. Box 95073, Schaumburg, IL 60195. For their reply, kindly enclose a self addressed stamped envelop in U.S., or .13¢ in mint Canadian postage stamps, or three IRC's outside North America.

73's


M. R. Leonhardt
Executive Director

- Section 6: All government business will be published in FRENEX in the issue immediately following conclusion of the business. NASWA members will have until the last day of the month (for that issue of FRENEX) to vote on subjects presented in that issue.
- Section 7: In the event of vacancies in the non-elected members of the Executive Council, the remaining Council Members shall place before themselves at least three names to consider, including any which may have been suggested by NASWA membership. The final nominee approved by the Council will then be offered to the NASWA membership for ratification. If a plurality of votes received does not occur for ratification, the nominee will be removed from consideration and another shall be offered.
- Section 8: No NASWA Council Member may serve a similar office in another club at the same time. This does not preclude a Council Member from enjoying ordinary membership in other clubs. FRENEX editors (unless elected to the Council) are not thus restricted and may hold other offices as long as that status does not impair his ability to serve as NASWA/FRENEX editor.
- Section 9: Each NASWA member should consider that the North American Short Wave Association is not a club by which governing officers are appointed or elected directly by popular vote. Only those approved by the existing Council may be offered to the membership for a vote of ratification into office. This measure intends to prevent succession to office of persons who may be inadequately experienced or qualified. The Council is bound by the Warrant of Trusteeship to offer only the best experienced, qualified, and devoted nominees for consideration by the membership.

ARTICLE E

COMPENSATION FOR SERVICES

- Section 1: The editor staff is authorized to be reimbursed for any personal monies they spend on behalf of their responsibilities to NASWA. Such reimbursements may include clerical necessities such as typewriter ribbons, paper, envelopes, postage, and necessary telephone calls. Other expenses will be considered. A monthly statement of such expenses will be required for reimbursement.
- Section 2: The Executive Director and Council Members are authorized to be reimbursed for any personal monies they spend on behalf of their responsibilities to NASWA. Such reimbursements may include clerical necessities mentioned in section 1 above. In addition, the Executive Director and Council Members are authorized to be reimbursed for their additional expenses related to club officership; including telephone bills, gasoline used in line of duty, heavy-weight mail and shipments, post box fees, and authorized promotion expenses. A monthly statement of such expenses will be required for reimbursement.

ARTICLE A

- Section 3: The Objective of this Association shall be to promote unity and friendship in the hobby of radio monitoring; to disseminate informations useful to and relative to the shortwave broadcast listening hobby; and to foster and encourage the hobby of shortwave broadcast listening only.

PROPOSAL FOR AMENDMENTS TO THE CONSTITUTION OF 1976

After considerable thought, consultation with many NASWA members, editors of FRENEX, and neutral friends, the Executive Council has drafted the following proposed amendments for the Constitution, and asks for a vote of ratification to make it effective on 1 July 1977.

Because the Executive Council needs to be enlarged for administrative purposes, and to include the FRENEX editorial staff and committee chairmen in NASWA affairs, and to provide the opportunity for NASWA members to share in the execution of official club business, we propose:

Article C

Revised

GOVERNMENT AND OFFICIALS

- Section 1: This Association shall be managed by an Executive Council of five (05) members. It shall consist of an Executive Director and two other appointed Council Members and two membership elected Council Members.
- Section 2: The position of Executive Director and of the other appointed Council Members shall be nominated and approved by the Executive Director and Councilors remaining current at the time of any vacancy. Final ratification into office shall be made by popular vote of the general NASWA membership responding and effective at the cut-off date for returning votes. If a nomination is not ratified by a plurality of returned votes by the cut-off date, a new nomination shall be approved and offered for general ratification.
- (a) Existing Executive Directors and appointed Council Members shall retain their offices for two years, and shall require another ratification by popular vote if they desire to remain in office another two years.
- (b) Vacancies can occur by emergency in case of illness or death; or abandonment of duty; or by voluntary resignation; or by unanimous consent of the remaining Executive Councilors and the Executive Director.
- Section 3: The positions of the two elected Councilors shall be nominated from the FRENEX editorial staff and NASWA Committee Chairmen. A staff member shall be considered a qualified candidate for such office unless he expresses a desire to be removed from consideration. A popular vote of the general membership of NASWA will decide which of the staff members will fill a Council position.
- Section 4: Any Council Member, whether appointed or elected, or the Executive Director may also be recalled by popular consent of the NASWA membership en toto, not just by those responding. A clear majority must be evident to effect such action. Such a process may be initiated by specific letters of complaint and intent to recall. When and if 2 percent (2%) of the existing NASWA membership shall request recall action, publication of all details will be made in FRENEX and a YES or NO vote will be asked on the issue of retention of the officer in question. If the officer is recalled from office, an alternate shall be nominated and approved in accordance with Sections 2 or 3 above.
- Section 5: All club business and voting among Council Members may be conducted by mail or by telephone call.

shortwave CENTER

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

JUNE 1977

We are happy to be with you again for another great issue of FRENCH. We invite you to submit articles on shortwave subjects to Shortwave Center. This will be the last call for items for the Antenna Issue scheduled for the September Shortwave Center. Please have your contributions to me by 15 July. We thank those who contributed for this month.

VoA OKINAWA

A VISIT TO THE VOICE OF AMERICA: OKINAWA Michael S. Hardester

Prior to receiving orders to Okinawa, from my travel agent—the U.S. Navy, I had tried in vain to log the VoA medium-wave outlet on 1178 kHz, and even the shortwave outlets seemed difficult at best. However, my faithful travel agent soon put me in the driver's seat, and so on a warm Spring day, my wife and I found ourselves on the road to the VoA transmitter site at Okuma, Okinawa.

Okuma is a small village located near the Northern tip of the island: on one side of the road green lush vegetation stretches seemingly for kilometers, and on the other side of the road, the emerald green waters of the East China Sea peacefully wash onto the pearl white beaches. I was so taken by the beauty of the area that I might have missed the turn-off had my wife not pointed out a six-tower array in the near distance—which we were later to learn was the array for the medium-wave transmissions. So, with our course plotted and without benefit of any road signs (in English that is), we headed towards the antennas.

On arriving at the transmitter site (the receiver site at Onna is located further south), we were greeted by Mr. Jensen, the Deputy Manager, and Mr. Schlegal, the Transmitter Supervisor who joined to give us a very thorough tour of the facilities. Construction began in 1952 and operations commenced in mid-1953 with continual expansion to the present 134 acres upon which the VoA site is situated.

The transmitter building houses the 1178 kHz transmitter which is actually two Continental transmitters of 500kw phased together to produce a megawatt of power. This transmitter is joined by two-35kw, one-15kw and one-100kw shortwave transmitters plus a 5kw auxiliary transmitter which provides for RTTY service to the IPS: International Press Service located at USIA headquarters throughout Asia.

Program material is received at the Onna receiver site from direct off air monitoring of transmissions from Delano and Dixon relay sites. This is fed via vhf circuits to the transmitter site for re-broadcast. Two of the receivers immediately noted were of the Collins 51J series and Hammarlund SP-600 line; Hewlett-Packard frequency synthesizers were also noted.

The medium-wave transmitter is in operation from 1100 to 1600 GMT and provides English, Chinese and Korean programming to mainland China, Laos and Korea on beams of 17° and 315°. Reception reports from mainland China indicate no jamming of the English transmissions, however the Chinese Service is jammed a great deal.

The short-wave transmissions also transmit the same languages to the same target areas or nearby areas, and these also appear to be having an effect as evidenced by reception reports.

And what tour would be complete without checking out the local telephone exchange. Yes, the VoA also has a completely automated telephone exchange system which handles the VoA transmitter site, VoA family housing, and a nearby military recreation center.

After the tour, over tea, several topics were discussed. At present, there is a great deal of speculation over the "planned replacement site" of the VoA-Ukinawa relay site. The next location is undecided. While several places offer a possible site—Saipan, Micronesia, Korea (South), Hawaii (remember the old VoA site there?)—however, no specific location has been decided upon. Mr. Jensen went on to further point out that from inception to operation takes approximately five years, thus a new site, even after being chosen, wouldn't be on the air too soon. This brought about the point that with host countries becoming fewer and fewer, international broadcasters may be forced to stay at home and beam their message across the miles with power easily exceeding a megawatt!! Can you imagine being a DXer/SWler who is situated a couple of kilometers away from a megawatt transmitter?! Among other topics discussed, it was mentioned that the VoA site at Foro, Philippines was constructed from almost identical plans as the VoA-Ukinawa. Lastly, on 14 March 1977 at 1500 GMT (12 midnight Japan ST), the VoA-Ukinawa will sign-off for the final time, and while the visit was quite pleasant, much like old friends getting together, it will soon be time to hear the final farewell: "This is the Voice of America concluding its transmission from Ukinawa."

BBC MONITOR

A CHAT WITH GORDON WESTON, RECENTLY RETIRED CHIEF MONITOR
WITH THE BBC MONITORING SERVICE

(Broadcast December 2, 1976 as an interview with Dick Speakman on Radio Nederland's DX Jukebox. Transcribed & edited by David Walcutt.)

-We are in the main monitoring room of the BBC Monitoring Service at Reading in England, and we're talking with Gordon Weston, recently retired Chief Monitor. Gordon Weston began his career as a ship's radio officer with the British Merchant Navy, and in 1946 he joined the BBC as an engineer. Gordon, what have you got in the way of receivers here?

-In the monitoring room, or the "Main Listening Room" as it's called, we have somewhere between fifty and sixty receivers. They are spaced out on benches where the monitors of the various language teams can take their bulletins. The monitors have their own places, where all the information for or relevant to that particular country is stored for them.

The monitor has two choices. He can take a signal from his own local receiver, or he can select a line where the signal is fed from the outstation at Crosley Park. The signals that we normally take at Caversham are those that are fairly well received, and the more difficult ones are left to the engineers at Crosley Park. The procedure is that a monitor appears and sits down to take his bulletin just prior to the commencement time, he checks that his recorder is properly loaded and that his receiver is tuned or that he has his signal on line. There is, in the technical control of the listening room, an operational assistant at quite a complicated console, and it is his job to make sure that the signals fed to the monitors are the best that can be obtained. The monitor then listens to his bulletin, recording it, and takes notes, and when this is finished, if there is some material to be transcribed, then he goes to his cubical and types out his bulletin, which is duplicated and sent to the various sections that want the information. These would be the news bureau, the editorial sections, and the FBIS section, which shares the information.

-Now Gordon, is all of that information useful, or do you sometimes get things you don't really know what to do with?

-There is one anomaly that stays with us over the years, and I don't know that anybody has really come up with a positive solution. Why does Radio Peking play its Russian broadcast backwards on three occasions during the course of twenty-four hours? My contention over this is that it is for the Russian monitoring service. I have always thought this.

There is another school of thought that says that it is for distant relay stations, because Peking's Russian service is so heavily jammed that the relay stations would never really be able to take it off the air live. However, I think that it is for the monitoring service. It is not very difficult. You just have to wait to the end of the program, turn the tape around and play it backwards, and there it is. Nobody has really ever come up with a clear concrete solution to this, but that is what I think it is. And this remains with us to this day. They still send, three times a day, their Russian broadcast backwards.

At Caversham for our monitoring, the monitors use plastic belts, magnetic belts, and that's an easy matter, you take the belt off the machine and insert it the other way round, and then that does play it backwards. But you've got to wait to the end of the bulletin.

-You also have receivers in other parts of the world, and they're sort of connected up by phone lines - that's quite an interesting system, too.

-Yes, we've got a telephone circuit to Vienna, and in Vienna they have eight or nine different receivers tuned in to stations which we find very difficult to receive at Caversham Park. We select by a press button at Caversham which receiver we want to put to the line in Vienna.

-Well, that's cheating as far as dxers are concerned.

-It's cheating, yes! But I think with the advent of the remotely controlled receiver that this opens up a new avenue. It may be possible at some time to have an unmanned station in a remote point and be able to rig it up and dial which frequency we want. The modern sophisticated remote-controlled receivers are quite capable of doing this. I think this is something that will develop before very long.

-By the way, the BBC Monitoring Service as such doesn't use any material provided by dxers?

-I wouldn't say exactly that we don't use it. In the section quite a number of dx magazines are now available to us, and the monitors look through these magazines and take any item of information that may be of interest and check it out. Obviously a club that has a large number of members spread around the world is far more able to hear some of the things than we, with our very small staff, are able to do. Even though we have quite sophisticated equipment, there are many, many areas of the world that we just don't hear. So if a dxer is living in, say, India or Ceylon or South America, he can hear things that we, knowing that they are there, can get checked out. And also, if we feel that it warrants it, we can ask our American colleagues, who monitor in different parts of the world, to check it out as well. So I wouldn't say that we don't use the information. We do not publish it as such, direct from dx magazines; we use it as a tip-off.

-But you do appreciate getting the magazines?

-They've been most useful to us, and we have been able to find some of those very elusive things that we haven't been able to trace, just because somebody else, listening at a different time possibly, and different conditions, and different area, has been able to hear. And later on we have been able to confirm. But we would not publish any information directly that was subscribed by a dxer to his magazine, as truthful as it might be. One has to appreciate that, in the main, they are amateurs. This is no reflection on them, because I feel that of all the hobbyists, the dxers are probably the keenest I have ever come across, and they do really try to give correct information.

There is always the language difficulty. One does learn over a period of time what languages there are and what ones are most frequently broadcast. I did quote, at one time, a dx magazine that printed an item from

one of its contributors that a new clandestine was heard in Arabic. But in fact this was Radio Algiers, the Kabyle Service. It's really no wonder, because they do a fair amount of screaming and it sounds like a clandestine anyway!

-Now, wandering around the building here, I think a dxer coming in here would think he was in heaven, he had arrived in paradise. I can well imagine that there would be quite a few dxers around the world listening to us now who would say, "Well, look, what kind of qualifications do I have to have to qualify, as it were, for a job at the Monitoring Service?"

-This was quite a problem. We at one time insisted on people having several languages, particularly Slav languages. Over the years we found that the best people, who make a good research monitor, are those with no special language qualifications. Those with languages - who are very good at languages - tend to specialize, whereas we require people who will delve into broadcasts no matter what language it is, and therefore the language capability is not essential.

Several years ago for the very first time we threw open job applications to the public by advertising, in the British national press and in typical journals, hoping that there would be some dxers who would be suitable if they wished to take up their hobby as a profession. In the first instance we had nearly two hundred inquiries, amongst which was a good sprinkling of dxers, and eventually we did chose a dxer. He is very keen, and some of his keenness has washed off on to the other members of the team, too. It takes a good, all around chap who will stick at it and be very, very patient in his searching, because the work can be extremely boring. But, on the other hand, it can be very rewarding, although your rewards come so infrequently. It's mainly hard graft of preparing schedules, listening out, checking announcements, and seeing that all the frequencies that are announced have been checked. The main qualification is an aptitude to do the job. I'm sure that when any vacancies occur, if there are dxers applying, it's going to be awfully difficult to decide who would make the best research monitor. But we do have three dxers on the staff, those who have changed from a hobby to a profession. It can be done. With training. It takes a little time to alter it, but the main attributes are the aptitude and the will to do the job.

-You're not afraid that they are going to search for a fifteen watt outfit in Mongolia rather than listen to those scheduled broadcasts that you want them to listen to?

-I don't mind it; I wouldn't mind if they did, because a lot of the schedules of the very low-powered stations are so infrequently updated that if these were winkled out from all the noise that goes on these days, well, certainly this would be appreciated.

-Mr. Weston, thank-you very much for spending some time with us on DX Jukebox.

-Pleasure.

ANCIENT HISTORY

Radio Ramblings by "Jace" from PRACTICAL WIRELESS 25 March 1933

"I see it has been suggested by a well-known musical composer that special music will have to be written for broadcasting purposes. His theory is that under present conditions it is quite impossible for either transmitter or receiver to do justice to the range of frequencies encompassed by existing musical scores. Of course, there is much truth to this, especially since the frequency separation of the main European transmitters is only 9 kilocycles. This makes it impossible to take full use of musical frequencies exceeding 4.5 kc/s for any other than "local" reception. Nevertheless, I think that we shall find it a more acceptable problem to devise means of allowing a wider station separation rather than to narrow down our harmonic range."

The above was submitted by Charlie Wooten who notes that if the WARC 79 can't solve wider station separation, then we will continue to have the same problems as that of 44 years ago. Refinements in receivers ensure good musical reception, but with the narrow separation between stations on SW, it is kind of difficult to enjoy music at 1.5 kHz bandwidth!

PORTABLES

SHORTWAVE PORTABLES: THREE THIRD-GENERATION SETS TESTED

by LARRY MAGNE

Ever since the shortwave portion of the radio spectrum was found to be the medium of choice for international broadcasting, serious shortwave listeners and DX buffs have been stuck with portables lacking in performance generally available in fixed communications receivers.

The first generation of portables consisted of tube sets designed around WW II, such as the lumbering but rugged Andrea and Zenith units. About a half dozen manufacturers competed for this market in the 1940s, but with the popularization of television and the growing competition from other forms of entertainment, the shortwave radio market diminished.

The second generation of portables were essentially first generation sets with transistorized circuitry. From the late 1950s until fairly recently, transistor shortwave sets from pocket midgets to suitcase-sized giants have been widely available, but not notably popular -- informed estimates put the number in the U.S. at under 12 million. Although second generation sets were well suited to battery operation, they share basic circuit designs abandoned since the early 1960s by communications receiver manufacturers.

The third generation appeared in the early 1970s, when the South African Barlow-Wadley XCR-30 appeared unexpectedly. Despite production, design, and marketing shortcomings, the XCR-30 was an instant success among serious SWLs and traveling DXers. Unlike second generation sets, it reflected a fresh approach to shortwave portable receiver design, utilizing concepts originally developed at the esteemed RACAL communications firm in Britain. Frequencies, formerly guessed at, could now be read directly and accurately from the backlash-free tuning dial. Sensitivity was excellent, selectivity good, and there was a pleasant absence of image and similar internally-generated interferences.

The Japanese finally came out with their own third generation shortwave portables in 1976, and in so doing fueled a SWL buying spree in that country. Only recently, after they could satisfy domestic demand, have these sets entered the North American market.

On May 15, Panasonic/Matsushita formally introduced into the American portable radio market a \$150 third generation shortwave receiver, the RF-2200. It competes in many ways with the recently-introduced Sony ICF-5900W (reviewed in the March FRENDX) and the established Barlow-Wadley XCR-30.

The RF-2200 is a double-conversion superhet with linear readout on all bands, MW, SW, and FM. This results from its using not the usual electronic VFO, but rather a network of nylon reduction gears to drive the main tuning capacitor. This mechanical approach to fine tuning produces some sloppiness, but nonetheless drift is acceptable for AM signal reception.

The RF-2200 controls are sensibly laid out and straightforward, except the S-meter and tuning knob (singular--there is no VFO) are calibrated "backwards", that is the meter pins left instead of right, and the tuning dial increases frequency clockwise instead of counter-clockwise. The controls are thankfully well lit for use in darkness. Cabinet design is modish Army surplus ugly -- no better or worse than the competition. Audio tone is good, the best of the lot, and the bass/treble controls are adequately flexible for proper response on MW, SW, or FM. Although lacking a firm carrying handle, it comes with a rugged woven nylon strap that performs nicely and takes little weight or space. Panasonic offers an optional (\$35.45) RD-9820 antenna/ground system, which includes what appears to be a pi-filter tuning network (a la "Joymatch"); although it was not evaluated, it suggests the RF-2200 is designed to adapt to a variety of antenna designs. The RF-2200 works perfectly well with the built-in antennas, but the RD-9820 may be of interest as an antenna kit for communications receiver owners; order from Panasonic Consumer Parts Division, Box 1457, Secaucus NJ 07094.

Inside, the RF-2200 is roomy and sensible. Removal of the front and rear panels is easily accomplished, revealing a well-labeled circuit board easily detachable from the center frame section. By transistor portable standards, it is both serviceable and tempting for homebrew improvements -- in market contrast with the cramped Sony ICF-5900W.

Although the all-linear readout is not capitalized upon in the RF-2200s FM band, it is put to good use in the MW band, where readout is often to the nearest 10 kHz channel. Coupled with excellent overall MW performance, plus a variable "Gyro" ferrite MW antenna, it makes a first rate MW DX portable. FM performance is similarly excellent -- more stations can be flushed out with the RF-2200 using its built-in whip antenna than can be with a McIntosh 1700 fed by a fixed outdoor antenna!

Shortwave performance is similar to that of the Sony ICF-5900W. The detailed table of performance allows the consumer to concentrate on those aspects of performance that are most relevant. For example, the XCR-30 is most prone to overload, the ICF-5900W the least so, making the Sony a safer bet for use in Europe. Selectivity for DXing is no prize on any

of the portables tested, but NRC's Grant Manning devised a solution which claims to enhance the selectivity of the XCR-30 (see NRC Bulletin 14 June 1975).

As a rough guide, the portables are ranked in order of preference as follows:

- For Tropical Band DXers - XCR-30, ICF-5900W, RF-2200
- For traveling SWLs?DXers - ICF-5900W, RF-2200, XCR-30
- For Casual or Expatriate SWLs (non-technical) - XCR-30, ICF-5900W, RF-2200
- For globe trotting SW monitors - ICF-5900W, RF-2200, XCR-30
- For seafaring DXers/SWLs - RF-2200, ICF-5900W (XCR-30 inappropriate for reception of WWV/WWVH's marine forecasts)
- Freshman DXers - RF-2200, XCR-30, ICF-5900W
- For backyard DXers/SWLs - RF-2200, ICF-5900W, XCR-30
- For hams, UTE DXers - XCR-30, ICF-5900W, RF-2200
- MW/FM DXers - RF-2200, ICF-5900W, XCR-30.

There are shortcomings in the RF-2200. The low end coverage limit of 3.46 MHz borders on teasing; another 0.26 MHz would have allowed for 90 metre band coverage. The SW band switch has cross talk from adjacent bands. The ceramic filter has wide skirt selectivity, even in the "narrow" setting. The carrying strap sometimes interferes with the "Gyro" MW antenna. The built-in AC converter is only 115 V rather than the 115/230 V one would expect in an international receiver. The S-meter is the worst of the lot, "pinning" on Andean milliwatts. It lacks a schematic, and the "Gyro" antenna creates RF pulse noises as it is rotated, the result of a bearing locking into dimples.

In summary, the Panasonic RF-2200 represents an excellent value -- probably the best in general-coverage DX radio. Both the Panasonic and Sony are available at local retail stores or, reportedly, by mail from the following discounters:

Foto Electric Supply Co. RF-2200 \$115 plus \$3 shipping
31 Essex St. ICF-5900W \$120 plus \$3 shipping
New York NY 10002

Portnoy's Appliances - RF-2200 \$120 plus shipping
125 W. 45th St. ICF-5900W price not given, but probably about \$125 plus
New York NY 10036 shipping

47th Street Discount Foto Mart - RF-2200 \$112 plus shipping
67 W. 47th St. ICF-5900W \$120 plus shipping
New York NY 10036

The Barlow-Wadley XCR-30 is available in the United States for \$269 from the importer, Gilfer Associates, Inc., Box 239, Park Ridge NJ 07656.

See point by point comparison on next page.

BEGINNERS PATCH

by David Haas, Woodcliff Lake NJ

Recently there has been quite a lot of publicity about split frequency DXing. Anyone can really do this, all it takes is a fat wallet or an engineering degree. For those with the fat wallet, Gilfers is soon going to market a frequency counter for use with most receivers. I am not sure what it will cost, but I think about \$200. I tried one out in November and I would have taken out a loan right then to buy one, if a bank would have let me in the door.

For those with engineering knowhow, POPULAR ELECTRONICS recently had an article describing a digital frequency readout for most shortwave receivers. You could buy a kit for about \$110. The article was in the February issue. For those who only could work as a technician or maybe just those active in electronics, the 1976 Electronic Experimenter's Handbook has a circuit for a very good crystal oscillator. This little toy works from a battery and oscillates at 100 to 1 kHz frequency spaces.

Now for all the beginners who do not know their transistor from their imbristor, and only go to banks to take money out, Radio Shack sells a crystal oscillator for under \$5. It is only a 100 kHz oscillator, but it is better than nothing. If you have a little more money, Gilfer sells an oscillator that is better, but still reasonably priced. Now for a few loggings

Albania-this east European country broadcasts to the US in English at 0000 on 7065 and 9750, at 0100 and 0200 on 6200 and 7300. All programs are 30 minutes in length.

Israel-for all those who have never heard a real home service for a country, Israel broadcasts a ½ hour home service in English. You can listen to ads or news and commentaries. Surprise, although this is meant for Israel itself, it beams the program towards North America every day at 1200. The best frequency is 15100, but 15485 and 17815 are also on the air.

POINT-BY-POINT: HOW THE PORTABLES COMPARE, by Larry Magrø

Feature	Panasonic RF-2200	Sony TCF-5900W	Barlow Madley XCR-30	Nonportable Communications Receiver (for reference) Drake R-48
Price, New in continental U.S.	US\$ 112-150	US\$ 117-150	US\$269	Approx US\$500 in 1970
Weight	7.2 lbs/3.3 kg	4.8 lbs/2.2 kg	8.4 lbs/3.8 kg	16 lbs/7.3 kg
Power	6WDC/115 VAC (4 "D" cells)	4.5 VDC (3 "D" cells)	9 VDC (6 "D" cells)	120/240 VAC
Shortwave coverage	3.46-28 MHz	3.87-10 MHz 11.6-28 MHz	1.6-31 MHz (except even MHz pipes)	1.6-5.4 MHz, 5.8-30.5 MHz
Frequency readout:				
Shortwave	± 5 kHz	± 5 kHz	± 5 kHz	± 0.2 kHz
Mediumwave	± 5 kHz (low end) ± 12 kHz (high end) ± 0.3 MHz	± 15 kHz ± 0.3 MHz	± 5 kHz	N.A. (N.A. = Not Applicable)
FM	Good (6-28 MHz)	Good	N.A. (tuner optional) Excellent (6-31 MHz)	N.A. Excellent (3-16 MHz) Good (16-30 MHz) Fair (1.5-3 MHz)
Sensitivity (shortwave)	Fair (4-6 MHz)	Good	Good (2-6 MHz)	Good-excellent
Selectivity (shortwave)	Fair (narrow position)	Fair-good	Good	Good-excellent
Stability	Fair	Good	Excellent (stable surface) Fair (unstable surface)	Excellent
AVC (Automatic volume control)	Excellent	Fair	Good	Excellent
Spurious signal rejection (except overloading)	Fair (bandwidth cross-talk)	Good (10.7 MHz IF breakthrough)	Good (1 MHz synthesizer harmonics)	Good (initially generated "birdies")
Overload (freedom from)	Fair (defeatable)	Good (defeatable)	Poor (non-defeatable)	Excellent
"S" Meter performance	Poor	Fair	Good	Excellent
"S" Meter calibration	Arbitrary	Arbitrary	Arbitrary	"S" units + dB units accurate
Single Side Band reception (SSB)	Poor	Fair	Good (Stable surface) Poor (unstable surface)	Excellent
Reception of jammed broadcasts	Excellent	Good	Poor	Fair
Bandspread "feels"	Poor (fast position) Fair (slow position)	Good	Fair	Excellent
Panel lighting	Excellent	Fair	None	Excellent
Portability	Good	Excellent	None	Fair
Probable freedom from repair	Fair	Fair	Good	Not a portable
Servicability	Good	Poor	Fair	Excellent
Ease of operation	Moderately complex	Slightly complex (confusing in- struction book)	Fairly simple	Excellent
Audio power	Fair	Good	Fair	Fair
Tone	Good, versatile	Good	Fair, fixed	Fair, fixed
Mediumwave performance, overall	Excellent	Good	Fair, bassy	N.A. (poor with optional converter)
FM performance overall	Excellent	Good	N.A. (tuner optional)	N.A., No FM option

Picnic?

GOING ON A PICNIC THISSUMMER? TAKE YOUR RECEIVER ALONG!!

by Charles A. Wootten

Most interesting results can often be obtained by taking a receiver away from its normal surroundings. If you live in a big city, you will almost certainly find that the performance of your receiver is far better when you take it away from the confines of houses and streets. Apart from these considerations, a great deal of enjoyment can be obtained from listening to rare DX under out-of-doors conditions. Take your receiver with you when you go off in the car, and you will have a pleasant companion to provide you with entertainment when more active occupations begin to flag.

When you pack up the receiver, do not forget that you must take an antenna and ground system for it as well. If you do not have batteries for your set, then a simple DC to AC converter that plugs into the cigarette lighter will provide plenty of power for your needs. But, an antenna you must have, and a last-moment makeshift with odd bits of wire is rarely satisfactory. Even the receiver with a built-in antenna will have a wider range, and will give improved signal strength with the addition of an external antenna and a ground connection.

Here then, is the equipment you will need. It will not require much preparation before you start. A 50 ft. or even 100 ft. length of antenna wire (your choice), a broomstick or stake 5 to 6 ft. long, pointed at one end, 3 or 4 yards of stout string, two wooden pegs, and a large claspknife. If you cannot lay your hands on the last-named item, a large meat skewer or similar metal spike will do. A passive antenna tuner would be a luxury item, but is not really necessary. This list provides for every emergency. In practice you will be able to dispense with one or more of the components, according to the conditions in the places where you have your picnic.

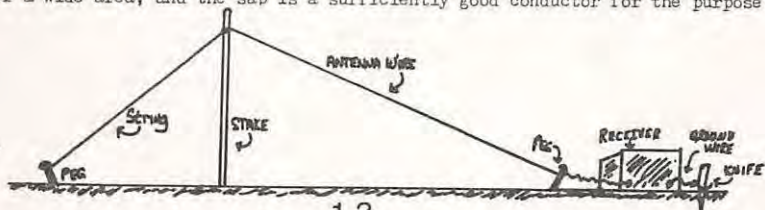
The diagram at the bottom of the page shows how you arrange your antenna and ground, using all the parts mentioned (except the tuner). In this way you can put up an excellent temporary antenna in open country, when there are no trees or posts handy. Proceed as follows to erect the antenna. Choose the spot for the receiver and put a peg in the ground close to it. Attach one end of the antenna wire to this peg, leaving a spare foot or two of antenna to reach the antenna terminal of the receiver. Run the antenna wire out to its full length, secure the free end of it to the broomstick or stake, push the pointed end into the ground, knock in the second peg in a dead straight line with the antenna, and guy the stake to it with the string. So long as the staying peg is truly in line with the antenna, it will hold up the "mast" quite safely without extra pegs at the sides, unless, of course, there is a very strong wind.

The ground lead is a yard of the same material as the antenna wire. Connect one end of this to the ground terminal of the receiver. Take the clasp knife and open the smaller blade, wind the other end of the wire around it, and close the blade on the wire. The large blade pushed well into the ground will give you a ground connection which, under most conditions, will prove quite satisfactory. In very dry weather, dampen the soil around the knife, if you have water to spare!

A long, low antenna of this kind is, to some extent, directional. To get the best results from a given station, arrange the antenna so that it points directly away from the station. You will hardly be able to find the accurate direction without a map and compass, but even an approximation will help. Similarly, if interference is bad from one station, place the antenna at right angles to an imaginary line between your position and the station. Of course, if the wanted and unwanted stations lie in the same direction or in opposite directions, you must simply do the best you can by careful tuning.

The antenna system as illustrated need only be used in its entirety in an open situation. You can do much better than this with the same equipment, if conditions are favorable. You can raise the far end of the antenna by fixing it to a convenient tree. Tie the string to the antenna wire, and one of the pegs to the end of the string, and sling the peg up over the highest limb you can reach. Again, you will usually find it better, especially on shortwave, if you put the receiver itself not on the ground, but in your car or on a box or table.

There are many variations for the ground connection. On sandy soil, where it is difficult to make a good connection with a short spike in the ground, driving the knife, with the lead attached, into the trunk of a tree will often help; the roots of the tree spread out over a wide area, and the sap is a sufficiently good conductor for the purpose.





SPECIAL feature

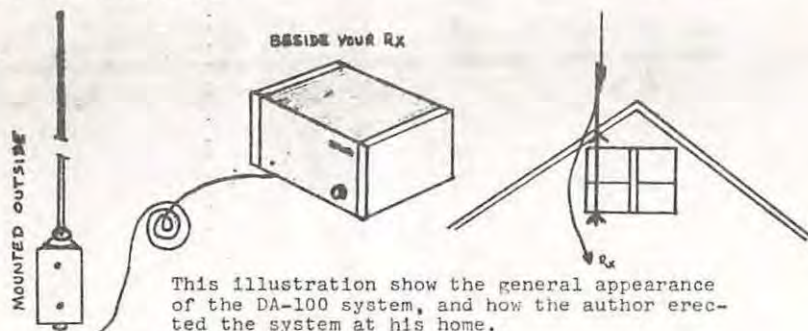


McKay Dymek THE DA-100 ANTENNA REVISITED

by Edward Shaw

A few months ago, this author reviewed the McKay-Dymek DA-100 antenna system, but at the time I did not feel that the system deserved a more positive report..and I felt justified in pointing out obvious facts where the antenna would be of little use to the short wave DXer. The earlier DA-100 model claimed equity with a 100 foot long wire antenna, but the engineering data supplied showed where the equity only occurred at a frequency of 100 KHz - somewhere far below the broadcast band. Utility as a shortwave antenna system was something nearly laughable, certainly grossly inefficient. Today, the DA-100 system is SOMETHING ELSE!!

Arising out of my initial review, McKay-Dymek's engineers took another look and set about scratching heads and rubbing chins once more. Today, several months later, the author has in possession a newly-revised version of the DA-100. In a nutshell, I will say right away that my identical tests used during the first review revealed an altogether different character about the DA-100 (revised). It may be of interest to some that I have chosen to purchase and retain this second test antenna system for my own. It beats what I've been using.



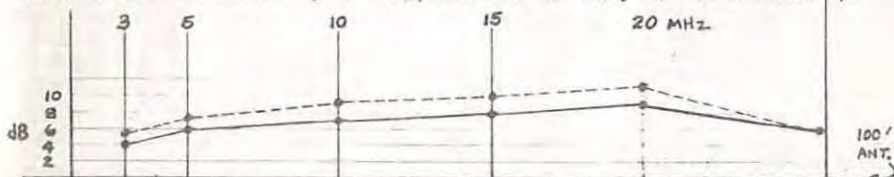
This illustration show the general appearance of the DA-100 system, and how the author erected the system at his home.

The DA-100 system was tested against a 60-foot random length wire at 25 feet above ground level; an 18-foot vertical whip; and an amplified loop which was constructed for 3-10 MHz. Receivers used were the Collins R-390A; Allied X-190; Yaesu FRG-7; and Sony ICF-5900W. The DA-100 system was installed in three different configurations to obtain a variety of responses likely to be observed by other users. The first installation was atop the corner of a backyard patio roof away from metal structures. The base of the antenna element was 16 feet above ground level. The second installation was the element and amplifier affixed to a 10-foot metal pole and extended laterally out from the upstairs bedroom window with the window shut to prevent it falling. The third installation was the same pole erected vertically by wall mounts so that the antenna element and amplifier cleared the top of my two-storey roof by four feet. The RF meter used was a Shurite 8103 VU recalibrated for 60 dB to equal S-9. (On the R-390A). The antenna element could, theoretically, be installed in door provided the coaxial cable did not remain coiled. In other words, the element and amplifier should be located some distance away to allow full extension of the total length of coaxial cable. Otherwise, some harmonic images and cross-modulation may result.

McKAY-DYMEK DA-100 REVISITED - Continued

The antenna system installed at its highest perch above my roof was obviously the most preferred, and it did perform its best in that position. However, the signal strength (S of the SINPO measurement) was not increased. The most remarkable difference was in the greatly reduced noise ratio. If the reader will consider for a moment the importance of low noise figures, he will soon realize how that is what he should most desire. A weak signal lost in high noise is useless, but the same strength signal heard in low ambient noise becomes listenable. This is the observation I made with the DA-100. Station signal strengths did not differ appreciably, but the noise levels observed as I moved the antenna system from ground level to high above my roof did differ remarkably. Where before I could barely discern newcomer Surinam on 4779 KHz in the "mud" (noise) at ground level, it became listenable and distinguishable into several recognizably different languages when the antenna was above my roof. Therefore, it is reasonable to advocate installation of antennas as high as possible.

For technical readers, the following graphoanalysis will be of high interest. It is roughly the same as the graph provided in the specification sheet provided for the DA-100. I found it to be reasonably accurate for SWC listening purposes. Note that the specifications claim equity with a 100 foot antenna at every point above 0, except where figures fall off sharply below 100 KHz and above 25 MHz. My illustration differs very slightly between 1 MHz and 20 KHz in that my observations show a slower rate of gain increase. McKay-Dymek's original trace is illustrated by a dotted line. We aren't quibbling, since we had only 60' of antenna up.



In the above illustration, one can see that the DA-100 system installed as the author described provides a higher gain than a 100-foot antenna installed at the same height. At 3 MHz a gain of 3 dB was realized. At 10 MHz a gain of 7 dB was realized. And, at 21 MHz a gain of 9 dB was realized.

Each receiver was tested for approximately 15 minutes each during periods of warm and cold, during clear and rainy weather, and during different parts of the day, and during the night.

The antenna system was not made to work with the Sony ICF-5900W and I gave up the attempt. A number of severe cross-modulation images were generated and could not be resolved due to antenna mismatching. The Sony input is high impedance and the DA-100 is 50 Ohms.

Use with the very sensitive FRG-7 was tricky. Be sure that the full length of coaxial cable is used. Also, the DA-100 may generate some cross-modulation problems, but I escaped much of this by using the FRG-7 broadcast antenna inputs, and there was still great performance.

The DA-100 system lends itself admirably to use with the SX-190 and the R-390 receivers, both of which have more sophisticated RF gain control systems than the FRG-7.

As mentioned earlier, this author is satisfied to retain the antenna he tested, purchasing it for his own use. Without even looking to see, I can almost guess that the design is nearly similar to the active-antenna described in Radio Nederland's antenna information.

Price for the DA-100 remains at \$125.00. Expensive? Yes! But,.....

IMPORTANT NOTICE!! McKay-Dymek recently announced that the revision to the circuit of the DA-100 antenna necessitates an increase in price. The DA-100 antenna system is reported to be \$145.00. Although the antenna performs well as I described, I cannot justify the increase in price. Signed: Ed Shaw.

Listeners NOTEBOOK



• Editor: Glenn Hauser, WUOT, U-Tenn.,
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ENGLISH SCHEDULES **ALGERIA** RTVA's English program on 251 kHz is back on the air again after a 2-month hiatus, at 1700-1800 (BEC WRC 18/5) Before you jump on me for running a LW item in SWBC-only NASWA, note that in the past this pgn was also carried on certain SW freqs as high as 21 MHz. It's 2 hours earlier than before since Algeria has gone on double DST. (gh) Among the freqs currently sked at this hour are, in the "Arabic" service, 7195/9685/9705/15370/17745 to ME, and 17790/21560 to Eaf; "French" service to Waf 11910/17825 (RTVA sked via John Tuchscherer, WI) Anyone finding the English program on any of these, please let us know (gh)

AUSTRALIA As of J77 (beginning 1 May), RA was to move its Eu service at 0700-0900 from 9570 to 9510 (Wolfgang Wurm, GFR, via SODX 3/5). See also Other Schedules. (via Durant, MD:)

AUSTRIA ORF J77	0330 ENAm	9770	0830 ME	15410	1230 Eu	9770	1830 Eaf	15335
0130 Nam	6155	0430 WNAm	6015	SEAs/Au	17815	SEU	11790	SAF
	ENAm	9770	SEAs/Au	17840	EAs	15105	SEAs/Au	17765
	0330 Nam	6155	0830 Eu	6155	1230 Eu	6155	1830 Eu	6155
							2030 Eu	9620

BANGLADESH R. Bangladesh is heard between 11620 and 11630 opening at 1645, with English at 1815-1915 (Noel Green, UK, via BBC WRC 11/5)

BELGIUM BRT's English to Af now an hour earlier at 1615-1700 on 11940/9745 (BBCMS 4/77) To Nam at 0015-0045 changed again, to 9730 (John Sterling, SC) Smart move off 9725 VOA (gh)

BULGARIA R Sofia change as heard 15/4; to GB 1930-2030 9700/11720; 2130-2200 9745/11750. to Nam 0000-0100 9705; 0430-0500 9530 (Ken Earhart, PA, SPEEDX 5/77) 9745 generally good until 2155 when Baghdad suddenly on; not noted on scheduled 7115 and 9300 (Charley Hoffman, PA) 9300? Thought that was Syria (gh) **CANADA** LN-11 **CHINA** LN-11

COMOROS R. Comores International has an English program at 1600-1700 on 90m (Roger Saint-Victor, le Directeur, 9/11/76, via Paul Routenburg, Ont, via GLDXA) 3331 list (gh)

COOK ISLANDS RCI's 5045 is inactive; now on 3265 with its own programmes at 1630-0130, 0430-0830 (QSL to Robert Hanner, Vic., via R. Australia DX 15/5 via gh) Partly Macri 0620 (NZDX)

COSTA RICA R. Relej's "Aquí Costa Rica" program, which is partly in English, is also aired Tuesdays at 0300 (ASWIC via HGJB DXPL 5/3 via gh)

DENMARK On Sat there will be a half hour pgn in English called 'Viewing Denmark' starting 13 min after the opening of each R. Denmark xmas at 0730 (exc Mon)/1200/1400/1600/1930, all on 15165; reports requested (Erik Kóie & Jens S Jensen, Denmark, SODX 3/5) Not 7/5 (gh)

EGYPT R Cairo noted on 7075 closing to Nam 0330. announcing 7120 not audible (Wayne Oliver NH, SPEEDXGRAM)

FRANCE RPI "Paris Calling Africa" at 1606-1655 during summer time, announced 1/5; 17720/15300/15155 toWaf; 11745/11835 Naf; 17800/17860/15200/15210; 21580/17850/15155 to other parts; also heard on 15315; best ones here, underlined (gh)

GERMANY EAST RBI to ENAm at 0100, 0230 on 9730; to WNAm at 0330 on 9650 (Martin K. Alintuck, MA, 11/5) They used to have more than one channel at 0330; hrd on 11890 (gh)

GERMANY WEST DW J77 to Nam at 0130-0150 6010/6040/6075/6100/9565/9590/9605/11865; at 0530-0550 on 5960/6100/6185/9545/9625 (via Hank DuRant, MD) Various sites (gh) **GREECE** LN-11

JAPAN R. Japan J77 changes: Eu 1830-1900 11950 ex-7195 /9605; 0800-0830 15430 ex-11960 /15325; ME 2015-2045 11875 ex-7250 /9700; Nam 0130-0230 17725 ex-11840 /17825/15420/15195; 2345-2445 15300 ex-11800 /15270; General Service to Americas 1900-0615 on 15105; 0700-1815 on 9505 (Chris Hynes, PA; RA DX 8/5; FEDXR 25/4) Austria covers 15270 to 2400; 15300 under HGJB and Habana (gh)

KUWAIT RK sked at 0800-1100 on 15345; 2000-2300 on 9580/12085 (Alintuck, MA 11/5) GMT +3

MONTERRAT DW at 0130-0150 on 9590 is from here (Roger Legge, VA) Sounds awful 21/5 (gh)

MOZAMBIQUE R Moz had English and French news at 0530 and 2130 until 21/5, due to the UN conference on Rhodesia/SW Africa. "A" program freqs: 15295/11820/9620/7240/6115/4865/3210. (BBC WRG 18/5) Over with now, but be on lookout for future events (gh) The English program at 1800 is on 6115/4865/3210 only (BBC WRG)

NEW ZEALAND RNZ J77 to Pac: 1800-2015 6105 ex-11960 /9770; 2030-0050 11960; 2030-0540 15130; 0100-0715 11705; 0550-1030 6105. To Au 0730-1030 6105 (Cushen, via DXPL 9/5)

PAKISTAN Among R Pak's Eng to Asia for J77 are: 0230-0245 (slow) to FE 17830/21590; 1630-1645 (slow) to ME 11680/15520; 1915-2115 to UK 9790 ex-9445; 11910 ex-7085; partly in Urdu (R. Australia DX 15/5) English nr during Turkish service at 1815; and to UK is at 2115-2145 both on 11640/9790 (BBC WRG 18/5) Take your pick of this contradictory info (gh)

SEYCHELLES FERA J77 sked shows Eng to SAs 0630-0815 19m; 1520-1630 25/31m; to Euf 0400-0450 on 25m (Mike Maghakian, NY, SPEEX 5/77) Heard 16/5 at 0400 on 11800 (gh)

SIERRA LEONE SLBS sked on 3316 at 0558-0745, 1800-2335; 5980 at 0800-1030, 1200-1745 (Mr. Martin K. Alintuck, MA, 11/5)

SOUTH AFRICA Definite R RSA J77 sked: 1300-1450 G&Euf 11900 (Sat/Sun -1450)
0256-0426 Euf 7270/5980/4875 1556-1650 Euf&ME 21535/11900/4875
0556-0700 Waf 17780/15220/11900 2056-2150 Waf&Eu 9585/5980/4875
1056-1158 G&Euf 21535/15220/11900 2226-2320 Nam & Canada 11900/9585/5980
1300-1456 G&Euf 15220 (R RSA via Hank DuRant, MD)
1300-1550 G&Euf 21535 (Sat/Sun -1456) (guess what: Canada is more of Nam than USA! gh)

SRI LANKA SLEB's Eur svc is now on 15120/11955 1840-1940 per stn annt (SODX 12/4) It's at 1845-1945 (BBCMS 21/4) More on LN-12 SWAZILAND LN-12

<u>SWEDEN</u> R Sweden J77	12½ 21690 Af 180 H1	18½ 6065 Eur 260 K	23 6120 Nam 295 H1
11 9630 Eur 260 K	14 15240 SAs 90 K	11950 ME 145 H2	11705 Nam 310 K
*15305 ANZ 70 H2	15305 Nam 310 H2	15240 Af 165 H1	00½ 11905 Nam 310 H1
(*not some Mondays)	17735 SAs 100 H1	21 6065 Eur 260 K	02½ 11705 Nam 310 K
21690 Af 180 H1	16 6065 Eur 260 K	9605 ME 145 H2	9695 Nam 310 H2
12½ 15120 Euf 60 K	9665 Eur 100 H1	11845 Af 180 H1	azimuth given: Hörby
15305 Nam 295 H2	15240 ME 115 H2	23 9695 Nam 310 H2	Karlsborg sites (gh)

SWITZERLAND For J77, SBG at 1315-1345 to SAs/FE changed 9745 to 11905, 11745 to 11775, 11870 to 17830; 15430 remains, like 15140 to Nam. (RA DX 8/5) At 0700 and 0900, 17840/15305/11775/9560 (NHK DX 9/5)

TAIWAN VOFO 0100-0200 17890/15425/15345/9765/11825; 0300-0350 17890/15345/11825; 2130-2330 17720/15225/11860/9600/9510; 2140-2240 17890/11825/9685 (via Yoshiaki Hayashi, FEDXR 25/4) Why 10-min overlap? (gh) Since 15/5 21520 ex-9765 at 0100 (Oliver T. Goonwardena, Sri. L)

USA KGEI moved to 9555 at 0700 to FE, kept 5980 at 1000 repeat (Glenn Hauser, RIB 7/5) WYFR J77 to Eu/Af: Sun 1230-1600 15110/17785; rest daily; 15110 1605-2000; 11805 1605-1800, 1900-2300; 17845 1605-1700, 1800-2300; 15440 1700-1900 (via Mr Richard D. Swanson, IA) AFRTS J77 left 13m again; times in () are 'as required' i.e. available for sports runovers: 17765 (2100) 2130-0500; 15430 (1200-1300), 1330-2300(1330); 15330 (1730) 2130-0700, 1230-2400; 11805 0500-0900, 1430-1630(2100); 11790 1800-2300; 9755 2300-1200; 9700 0700-1630(1730) exc Sat at 0900-1100; 6095 0900-1430; 6030 0600-1100 (2300-1200) (via Louis Goldstein, MA) MORE LN-12

USSR R. Moscow to Nam in effect 20/4, but see below for expected 16/5 changes:

to ENAm 2230-0400	to WNAm 2230-0300	Expected 16/5 to 31/7 changes
11960 Kenga (Irkutsk)	15425 -- (Petropavlovsk)	11870 ex-9655 Kaunas (Sofin)
11750 Lvov (Plovdiv) to 2400	15210 Petropavlovsk	11850 ex-7250 Vinnitsa (Sinf)
9720 Kiev (Nikolayev) 2230-2300	15100 Khabarovsk	at 2230-0200
9685 Moscow (Simferopol')	12050 Khabarovsk (Petro.)	11770 ex-9685 Kiev (Simferop)
9665 Ivanofrankovsk (Vinnitsa)	12020 -- (Petropavlovsk)	at 2230-0100
9655 Orsha (Sofin) 2300-0300	Also heard on 4880, 6175,	9655 ex-7165 Orsha (Nikolayev)
9530 Moscow (Plovdiv) 0030-	7330, believed feeders to	at 2230-0400
7250 Tula (Simferopol')	Bulgaria & Ukraine sites.	IFRB-list & QSLed sites first
7165 Kiev (Nikolayev)		Real believed ones () (UHN)

R. Kiev 0030 7205/9600/9720/11720/15180/15405; 0300-0330 7205/7400/9610/9720/11790/12020/12050/15425. R. Vilnius now daily at 2300-2330 9600/9610/9720/11720/15180/15405 both to NAm
R. Tashkent to SAs but sometimes audible via LP or off the back in NAm; 1200-1230 and 1400-1430 on 11730/11925/15115/15460 (UHN 5/77)

VATICAN VR to Nam in Eng regularly signing on prior to scheduled 0100; around 0055-0057 on usual 5995/6015/9605/11700 (Richard E Wood, NY, 22/4)

OTHER SCHEDULES

ANGOLA Emissor Regional de Moçâmedes has returned to the air on 5015 at 0500-2300 (R. Ginbey, RSA, SCDX 12/4)

AUSTRALIA RA for J77 is on 9710, 100-kW Shepparton at 1130-1730 to EAs/NW Pac; 1130 Eng, 1300 Jap, 1400-1730 Eng; QRM de FEBE 9715 also Jap 1300-1400 (NHK DX 9/5 via gh) AUSTRIA LN-11

AZERBAIJAN SSR R Moscow via Baku 11920 operates 1930-2130 Italian, QRM Madrid (Legge, 11/5)

COMORO IS. RGI operates at 1600-1900 on 90m, 1 hr each in Eng, French, Swahili (Roger St.-Victor, via Paul Routenburg, Ont., 9/11 via GLDXA) 3331 assumed (gh) 7110 50 ME 0400-0600

DODECANESE IS. VOA-Rhodes J77 (extracted gh) 6015 50 ME/Naf 1700-2200 7205 50 Eu 1615-1700 5965 50 ME 0400-0600 6015 50 Eur 1615-1700 6070 50 USSR 0200-0400 7205 50 ME/Naf 17-21

EGYPT (Cf May LN-4) V. of Africa sked changes; 1645-1745 17725 Afar, not Zulu; 1845-1915 on 15255 Nyanja, not Zulu; delete 1915-2000 15255 Nyanja; add 1615-1700 15055 Danka, and 1630-1715 15255 Sesuto; these two have not yet been confirmed (BBCMS 21/4)

ETHIOPIA Now western Nam has a shot at RVORE via long path due to an earlier opening at 1300 on 6015/7180 in Somali, 1400 Afar (via BBC WRG 18/5) This began 25/4 (BBCMS 28/4)

GEORGIAN SSR R Moscow via Tbilisi 9760 2330-0400 Spanish to Cuba/CNm, QRM Athens; on 11710 at 2200-0400 Port/Spain to SA; 11805 2100-2230 Eng to UK, 2330-0400 Sp. Cuba/CNm (Legge 11/5)

GERMANY WEST DW German J77 from various sites; SA/ENAm 2200-0150 3995/6145/9680 ex-9590/9700/9735/11795/15410. C&MNA/Cm 0200-0550 3995/6085/6145/9735; 0200-0430 6100; 0200-0350 11795; 0330-0550 9605; 0400-0520 9545; SA 1200-1220 11810/11865/11970/15185/15245/17715 ex-17780; NAM 1300-1320 9605/11810/11970. 1330-1350 9605/11810/11865/15245/17800; Spanish to SA&Am 0230-0350 6075/6130/9545/9640/11765/11865; 1100-1120 6085/9590/9735; 2300-2430 6075/6100/9545/9610/11810 ex-6075/11865/15385 (via Hank DuRant, MD)

GUAM TWR's test sked; 9505 0730-1130, 1400-1500; 11705 0200-0730; 15155 2100-0200; 17830 0200-0600; heard them from 0416 t/in to 0429* with test tones, no voice ID. 12/5; they could be on any time (Gerry Bishop, Pa) On which freq? (gh) I phoned TWR-Guam at 344-4198. They are not yet on the air as the xmtrs are still being set up; expect preliminary testing 'in a few days', sked '7 am-11 am, 7 pm-1 am' The KTGW woman I spoke with did not have this in GMT, and said they are on DST; if this is correct, subtracting 11 hr this would be GMT 2000 -2400, 0800-1400, but this is one hour off from sked in May LN; I was interested in possible QRM to RNZ-11705. Nope. (David Walcutt, IL, 17/5) Maybe she was referring to KTGW MW sked? Why is there always so much conflicting info on new stations? (gh) ITALY LN-11

MONTSERAT DW relay operates on 9590 in Spanish at 1000-1120, 11770 in German at 1200-1220 and 1300-1320 (Roger Legge, VA, 11/5) MOZAMBIQUE LN-11 PAKISTAN LN-11

PORTUGAL Lisbon hrd on 9635 at 2000-2100 in Port, ID as "R. Liberdade"; IFRB lists as Sines, 250 kW, beamed to Europe (Legge, 13/5) Supposedly for expatriates (gh) IBER Radio via RTE on 9670; in English; 2030-2100 Th/Sa; 2045-2100 Su/Fr; German; 1930-1945 Th; 2000-2015 Mo; 2000-2030 Tu/Wa/Th; 2015-2030 Fr/Sa; 2030-2045 Su (Edward Tilbury, AK SPREDX 5/77)

SAUDI ARABIA A monitoring survey 5/2 showed changes to R. Riyadh's DS (domestic service); 0500-0815 7235 ex-7165; 0500-1000 11870 ex-17875; 0515-1000 11890 ex-11870; 1000-1400 15200 ex-21590; 1400-1700 15370 ex-21590 (BBCMS) SEYCHELLES LN-12

SRI LANKA VOA-Colombo J77, all to SAs, all 35 kW exc. 10 on 41m; times may be 15 min off as it's hard to tell from the graph. 7110 0045-0315, 1245-1800; 9670 1455-1800; 11745 0045-0330; 11935 1245-1430; 15150 1245-1800; 15185 0045-0330 (gh) SWITZERLAND below SRI LN-12

TAIWAN BCG to the Mainland on 11905; 1000-1130 Mongolian, 1140-1310 Tibetan, 1330-1500 Uighur; 1045-1600; Amoy 6087; Cantonese 9690/8790; Hakka 3335. Standard Chinese Network; 2045-0100 11905/9690/8790/7150/3230; 2045-0700 8745/7250/6940/6565/6040/3335; 0345-1000 same as 2045-0100; 1045-1900 7250/7150/6940/6040/3230; 1600-1900 11905/9690/8790/6087/3335. (BBCMS 4/77) Note the new out-of-band freqs, and don't assume Peking! (gh)

SWITZERLAND Red Cross specials: May 24/July 26 to As in Eng 0945-1015 9560/11775/15305/21520; May 26/July 28 to ME/NF in Eng/Fr 0945-1015 15140/15430/17830; May 26/July 28 to Af/ME in Arabic 0945-1015 to 21520 (R. Australia, DX 15/5) In addition to 7210 (gh) MORE LN-12

TURKMEN SSR R Moscow via Ashkhabad 11930 1800-2200 Port/Spain to Eur, QRM Paris to 2130; and 2200-0400 Port/Spain to SA (Roger Legge, 11/5) USA KGBI, WINB, UN Radio LN-12

USSR R. Moscow Russian to the As includes R. Stantsiya Atlantika 1300-1400, 1630-1730. and R. Rodina 1400-1500, 2000-2100, 2330-2430, 0200-0300, First Program 2200-2230; Golos Rodiny at 0130-0200. Daytime sked: 15455 Simferopol' 1200-1830; 15150 Minsk (Simferopol') 1000-1800; 12070 Kiev 1830-2130; 11790 Riazan 1630-2130. Evening: 2200-2230 7240/7250/9665/9685/9720/11750; 2330-0200 7350/7420/9600/9720; 0200-0300 5950/7350/7420/9720. R. Moscow Spanish to Cuba/CNm 2330-0400; 11805 Tbilisi/9760 Tbilisi/9745 Moscow (Plovdiv)/9610 Tula (Vinnitsa)/9470 Moscow/7400 Moscow; also at 0200-0300 9600 Moscow (Simferopol'). R. Moscow Spanish, Port & Quechua to SA 2200-0400; 11930 Ashkhabad/11880 Armavir/11710 Tbilisi/11700/9775 Michurinsk/9735 Tula/9640 Moscow/9490 Moscow 2300-/9450 Moscow/7280 Moscow/7240 Tula. Jamming believed to be from Chile is on 7240/7280/9490/9775 (UHN 5/77) MORE on LN-12

MISCELÁNEA RADIAL ALGERIA RTVA May-Oct freq sked is poorly aimed, and exact times can't be read from the graph. So here are the freqs used for each service at various times 0600-2400: Arabic to Algeria, 7195; Arabic to ME 6145/9685/9705/11835/15370/17745; Arabic to EAF 11810/15160/17790/21560; French to WAF 7125/9610/11910/15420/17825; Kabyle to Su 6160; French to Su 7245/9510 (via Tuchscherer, WI)

ANTIGUA is proving to be a rich source of harmonics. Not only is BBC WS a regular on normal days on 24780 (4 x 6195), but on a good day with MUFs ascending, shows near the upper (h) end of most SW rx rungs at 20925 (5 x 6195), 2000-2330. A fine test both of propagation conditions and receiver sensitivity; then there's DW Portuguese at 2210 2 x 11865 on 23720

ARGENTINA (Cf May LN-9) Now R. El Mundo found on 23670, ID at 2230 16/5; 2245 3-pip TS; at this time, 23-24 MHz Ascension, Cuba, Antigua harmonics also in (gh) And RAE heard on 19379.9 at 0100, SIO 454; better than hotted fund 9690, 16/5 (gh)

BHUTAN(?) unID on 7042 1300-1400* pop mx, no anmts, good level, poor mod (Willis, Vic. 5/5)

BRAZIL 49m stns can appear on 24 MHz during good openings; check around 2200 for all carrying "A Voz do Brasil" on 24140/24259/23960/24000 et al. (gh) BULGARIA LN-11

BURMA unID stn is on 4980 around 1110-1200, then covered by PLA China. In Burmese or dialect, non communist, very weak, first heard 20/4; difficult to ID; one like this was also often reported Apr-Dec 1975 on 4980, sked 1200-1330* (Isao Ugusa, FEDXR 25/4) BYELORUS LN-11

CANADA CFVP engineer confirms it operates 24h on 6030 in tandem with CFCN-1060; no interruptions past couple months. 100 watts input and a quarter-wave vertical. No luck here, but it could be I'm in a poor skip zone, 400km from Calgary (Phil Schnabel, Warman, Sask, TDXN)

CHINA Beiha! PBS on 8745v does not broadcast local pgs recently, but second pgm of CPBS; Shandong PBS disused its SW outlet on 2350, checked 20/4; Qinghai PBS uses 6255 at 0950-1230 and then changes to 6260; but 3950/4940 are not changed (Hiroyuki Nagase, FEDXR 25/4) Peking hrd with Taiwan pgs on 3360 at 1300; on new 6890 1400 Chinese FS; 2460 Chinese at 1300 not sure of pgs; Fujien on 2200 at 1300 (Mike Willis Victoria, Australia, 5/5) v. LN-11

COLOMBIA R. Nacional has jumped to the other side of AFRTS, measured around 15328.6, still RC BSB. Someone probably bumped their tuner and they haven't even noticed (gh) R. Tres Fronteras is tentatively the new station on 4782 heard around 0000, from Puerto Asís (Tuner, RN) A pretty tough one, Ondas del Ortaguaza 4975 hrd 6/5 0310-0324* with live sports event, mts of Florencia, ID, NA and off (Neal A. Perdue, AL)

COSTA RICA It had to happen: R. Reloj, a regular on 12012 (2 x 6006) and on 24024 (but not on 18018 somehow), now shows up on 30030 kHz, peaking SIO 243 at 1920 7/5. The 30-31 MHz band is likely to provide lots more exotic 2nd, 5th and 6th harmonics as F2 propagation improves with sunspots, and temporarily this summer via sporadic E--for those who seek (gh, RIE)

CYPRUS CBC began experimental broadcasts in Greek to Cypriots living in Britain, 1/5. 15-minute xmas at 2215 was heard on 9750; 11715 had also been announced, but was changed at last moment to 7265, unconfirmed. Is Fri/Sat/Sun only, to continue to yearend. Is announced as "Cyprus comes to you" (I Kipros konda sas). In 1969-70 they broadcast 21h per week to Britain (BBCMS 5/5) I'll bet it's via BBC facilities (gh) These are transmitted through BBC East Mediterranean Relay facilities at Zyl, Cyprus (BBCMS 12/5)

CHILE R. Agricultura is experimenting with a new xmtr on 9630, on the occasion of its 40th anniversary (BBCMS 21/4) ECUADOR LN-11 FRANCE LN-11

ETHIOPIA R. Ethiopia HS on 9610v/6185 closes 1200-1500 as Som/Afar now on RVORE (BBCMS 12/5)

GERMANY WEST/MALTA DW noted QRMing itself on 9565. Conflicting ISes and local IDs for xmtrs in Germany (in German) and on Malta (in English) prior to opening Eng to N/A 0130 (Richard Wood, NY, 22/4) VOM sked no longer shows 8 kW VOM xmtr Munich on 75m (gh)

HONDURAS R. San Ysidro hrd Easter eve 4845 mass, etc. 0243-0306* 10/4 (Perdue, AL, TDXN)

INDONESIA RRI is to be divided into five insular broadcast areas, instead of the present three based in Ujungpandang, Yogyakarta, Medan. I: Medan for Sumatera; II: Yogyakarta for Java/Bali/Lombok; III: Banjarmasin for Kalimantan; IV: Ujungpandang for Sulawesi, East Nusa-tenggara, East Timor; V: Jayapura for Maluku/Irian Jaya (BBCMS 28/4) Tentative RRI Fsk2 to 1350* on 7287; unID Indo to 1400* on 4626 (Mike Willis, Victoria, 5/5) (BBCMS 12/5)

IRAQ The "Voice of the Masses" DS is on 17770 ex-7225 (BBCMS 28/4) JORDAN HS 2740 x-11810/

LAOS Houa Phan National Radio, 4668, 1100* ex-1430*; ex-Sam Neua, one of 13 provinces, since 1975 Oct reformation of administration system (Ugusa, FEDXR 25/4) Houa Phan radio operates on 4665/7167; Luang Prabang on 8395/4737; Xleng Khouang on 6615/5425/4597. They broadcast local programs and relay Vientiane (BBCMS 5/5)

LIBERIA The J77 VOM freq sked no longer lists the 8 kW xmtr on the 75m band (gh)

MALTA R. Vox Fidei, 6188, m/on 0600, singing IS. French anmts (Jim Young, CA, NRRC 5/77) Typo for 6185? Cf May LR, looks like same report (gh)

(MAURITIUS) Don't know how long R. Australia has been on 9710 in the 1200-1300 period but I guess we can forget about checking for Mauritius 1300* while they are there (Perdue, AL)

MEXICO Re "Su Pantera", Mérida-6105 slogan: A Mexican friend explains that there is a big Pink Panther fad in Mexico and that 'pantera' has come to mean a sexy macho man the women can't resist, in slang (Jaime Cabezasblanca, SPEEDX 5/77) Answering a question I posed also re Dom. Rep. 3020 on R. Nederland. Interesting example of grammatical gender being disregarded, as 'pantera' is feminine (gh)

MONTSERRAT (Cf LN-2) DW on 9590 at 0130 in English does not parallel Antigua 6040 during IS and s/off annts, and the program it relays is considerably more QRM-ridden than 6040, suggesting separate receiving facilities (John Wegener, IL) This doesn't make sense; as I recall the Caribbean Relay Station was to have a single BEC/DW receiving site on Montserrat, operated for both by DW; whilst BEC would operate all the Antigua xmters; it later emerged that DW would have some additional lower-powered xmters of its own, supposedly on Montserrat, but why wouldn't they use the same feed source as the others? (gh) continued on LN-11

PARAGUAY R. Primero de Marzo (780 Mw) hrd 2/5 0100-0413* on RC SSB 11472 kHz; mentioned CARACOL at 0332, so maybe feed to Colombia; full ID 0359, then Panoramas Total de Noticias, sponsored by Jim Piper Whisky, including such esoterica as domestic fútbol scores from Spain and 'this day in (Paraguayan) history'; off abruptly at 0413 conclusion. I'm including a tape of this in my June reports on R. Nederland, on the lith in Spanish DX pgm, and on the 16th in English, plus following GMT days (gh)

PERU R. Nacional, Lima observed on 9860 instead of 9562 (BBCMS 5/5) Wonder if anything to do with Laves' 9860 catch, thought to be Chile? (gh) Raif. La Convención, Quillabamba, heard at 0230 on 3544 (Jan Tuner, R. Nederland 12/5)

PORTUGAL HF harmonics are mostly from LAm, but under summertime conditions, some favorably situated Europeans make it thru, such as R. Portugal, 0120 16/5, 18075, 3 x 6025 (gh)

SPAIN RTVE will have some special transmissions outside its regular schedule, 25 May to 14 June for pre-election background, 15/6 for coverage of the legislative elections, and 16/6 with the election returns (Roger Stubbs, HGJB Hello DXers 21/5 via gh; no freqs or sked) RTVE noted intensely interfering with itself on 9530, at 2145-2155 as the General Service to Am in Spanish ends, overlapping with IS prior to s/on of another service in Spanish to Am at 2200 (Richard Wood, NY, 22/4) Probably one from Noblejas site, other from Arganda (gh)

SWAZILAND TWR has an incredibly complex sked in local time, showing meter bands only, for broadcasts in languages you may never have heard of anywhere else, like Pedi and Lonwe Ncunso so forgive me for not attempting to render it here; however, the J77 freq selection is: 3200/3240/3275/3365/4760/4790/5055/5950/6040/6070/6080/7240/7255/7270/7280/9520/9590/11715/11750/11760/11805/11830/11955/15165, subject to change (via John Tuchscherer, WI)

SWEDEN Other listeners in NAm have reported harmful QRM from the European broadcasts of HGJB on 15310 to ours on 15305 to NAm. We have sent a telegram to HGJB three weeks ago, but have not received any answer. We told them we would like to stay on 15305, since this is the best one for NAm and it is becoming established for us. We are wondering if HGJB has left 15310 as we cannot hear them, perhaps due to unstable conditions (Gunnar Malmgren, STA, 6/5 letter to gh) They were still there when checked 15/5, but by 21/5 HGJB did move to 15210, thanks! However, for J77 Cuba is on 15300, causing a similar splash (gh) MORE LN-12

TAIWAN (Cf May LN-6) VOFC listened to my tape and identified the 1700 kHz station as the Kaohsiung Fishing News Station, in the Taiwanese dialect, with weather reports and news of concern to fishing boats. Fades in around 0800 and closes about 1600, occasionally with a silent period varying from 0855 to 0945; mostly talk by a woman, rarely by a man; music varies from SEA to contemporary western rock, Tom Jones, etc. (Mike Hardester, Okinawa, 25/4) I'm also including Mike's tape of this one on my June R. Nederland reports, see Paraguay (gh)

TANZANIA R. Tanzania new freq 9685, 0400 Eng to Af, good at start, but bad shape by 0430; appears inaudible GMT Mons due RHC covering freq (Perdue, AL, 16/4, TDXX) I thought RHC was on 9685 every night, mixing with Moscow(!) earlier; maybe just variable conditions? (gh)

THAILAND Thai govt closed one TV stn, and put Tor Tor Tor radio under Public Relations Dept control. A cabinet order said the stations would be closed temporarily April 9, as authorities investigated possible links between the PRD and an abortive coup attempt. (Asahi Evening News 2/4 via Kiyoshi Nishimura, JADX. via FEDXR) Tor Tor Tor Radio, owned by the Thai TV Co, would not be affected by the transfer of assets of Thai TV to the Mass Communications Organization of Thailand (Bangkok Post, 1/4, via BBCMS via FEDXR)

USSR R. Moscow's coverage of the May Day Parade in Red Square was as usual, with a commentary in Russian only for domestic and overseas, 0650-0915, carried on a total of 80 audible HF channels between 5.9 and 21.8 MHz, on DS and 5th pgm outlets, not affecting the external service in foreign languages (BBCMS 5/5)

USA I picked up an AM VOA spur(?) on 6873a on 7/5 0520-0537, carrying 5995 Greenville, but the 6020 s/on at 0527 came on too, strongly garbled and weaker at 0539 on 7768a. Any ideas? (Overcamp, SC) Yes! Not spurs but VOA feeders on independent sideband, certainly (gh)

USA WRDM, Augusta GA, tent. 2/5 2325 on 2960, 2 x 1480, black programming, ABC-Contemporary news; WHOO, Orlando FL, on 2970, 3 x 990 10/5 at 2105 with G&W mx, tho only 15km from here was poor in QRN. Personnel expressed no concern when I called, so be it; (Terry L. Kruger, Casselberry FL) WHOO probably within specs; I haven't heard it, while WRDM is always in there at night. My local on 1470 is strong on 2940, but I doubt it'd get out as DX (gh) WQDE, Albany GA, on 2500, 2 x 1250, American Top 40, Mutual mx 2330-2335; 2400* (Neal Perdue, AL, 24/4, 30/4, TDXN) It so happens that the licensee of WNJ is a NASWA member. J.B. Berry called me about my hearing Huayacocotla on it; WNJ has six receiving sites from Daytona on up the coast; the operator would have had to put thru a 'bypass call' in order for the 2390 pick up to be retransmitted; also, WNJ's carrier is supposed to be 16db down. # Well, there was certainly more carrier than that; I took it for AM; possibly it wasn't WNJ relaying XEJN, but it had to be some coastal station paired with 2390 (gh)

VENEZUELA Thru a quasi-confidential source, SWNS has finally been able to pin down the CANTV (Telco) site listed as Peraza. It's a small town south of the Caribbean port of Hifurote, 90 km east of Caracas. More importantly, Peraza is tied to Caracas via 140 MHz VHF link. In the past, some R. Nacional SWBC xmsns have come from Peraza but this does not necessarily mean that all R. Nacional HF xmters are there. As noted in Mar/Apr Elementary Electronics, R. Nacional is notorious in dx circles for issuing ambiguous information on both its frequencies and location. The original voice xmters at Peraza, built in 1955, are 3 kW; R. Nacional's current SWBC power is supposedly somewhat higher (SWNS) Wonder what they'll do with the ex-Euzkadi xmters? Cf GRANNY (gh)

VIETNAM New stn on 4778 relaying 1st pgm to 1130, then own pgm possibly in dialect, f/out by 1200; not Liberation Radio, on 4780, which has own pgm at 1200-1230 (Naoyuki Tsukamoto, Tokyo, 25/4, FEDXR) Observed 25-27/4 at 1105-1130 with Hanoi pgm-I relay, 1130-1215 own pgm in Rhade or another mountain language strongly resembling Cambodian, so may be in Central Vietnam. (Ugusa, FEDXR) R. Quang Ninh has changed sked from 1200-1225, to: 1132-1157, 1300-1325, on 4693v (Takaharu Kiyomiya, Saitama, JADX, via FEDXR 25/4)

Hoarse Voice

Although Kenneth R. Giddens, owner of WKRG-AM-FM-TV Mobile, Ala., resigned as director of Voice of America March 12 at request of Carter administration, he's still in Washington on his own time protesting U.S. shortcoming in international broadcasting compared to Russia and espousing independent Voice, severed from U.S. Information Agency. But Advisory Commission on Information, which sits over USA—and which met last week in Washington—is prepared to recommend not only that Voice be retained under USA, but that USA's deputy director be placed in charge to improve its clout and efficiency.

Mr. Giddens told House Subcommittee on International Operations three weeks ago and last Friday iterated to Senate Foreign Relations Subcommittee that competitive U.S. position is "scandalous and disgraceful." Voice is outgunned almost everywhere in world by Soviet, and even in Latin America by little Cuba, he said.

(Broadcasting 2/5, via Sidel, TN)

ZAIR (as this country is more in the news, I notice a tendency, even on RFI English to pronounce it ZAIR, instead of zah-EER -gh) List of regional freqs where contradicting WRTVH 77; Bandung, 7255, 10 kW; Kisangani 7865, 100 kW; Lubumbashi 11865 100 kW, 7205 and 5058, 10 kW (BEGMS 21/4) They've listed that 7865 before, but surely 7265; never reported on 7865 (gh)

ZIMBABWE Rhodesia on 2425 and 2336 were good at 0410 25/4 during a 'plasma disturbances' which was not forecast previously, as are the recurring minor geomagnetic storms (Bob Foxworth, NY) Measured on 2336.1/3307.3 and 2424.9/3395.9 (Foxworth, TDXN)

CLANDESTINE GRANNY Radio Euzkadi, the Voice of Basque Resistance, ceased broadcasting on 30/4. During the final broadcast at 2130, the station said it was closing down for the third time in the past 40 years. It was first on the air in Bilbao in 1937, but closed that year when the Basque region was attacked by Franco's forces. It return after WWII, but was forced to cease due to political pressures. This time, R. Euzkadi was closing so as "to prepare for our appearance on the soil of our own land in freedom". It closed at 2208 saying "since the Basque national flag is once again flying proudly from all most heads in the Basque country, R. Euzkadi can withdraw from the air with honour". (BEGMS 5/5) It had been operating for 14 years in Basque, English, Spanish on 13250v, 12105 from xmters believed to be in Venezuela; from Dec 1946 to Aug 1954 the site was near Bordeaux, France (BEGMS 23/4) Dolores Harruri, 61, a well known Loyalist leader of the Spanish Civil War and daughter of a Basque coal miner, returns to Spain from Moscow after a 38-year exile. She plans to run in June's general elections. Mrs. Harruri is considered to be Franco's worst political enemy (Star-Ledger, 14/5, via Insinger, NJ)

Voice of Arab Syria has reverted to 6170 from 6060; 60-mins daily in Arabic at 0400, 0700, 1600--an hour earlier due to DST (BEGMS 5/5 & 12/5)

Voice of the People of Burma 1330-1430 in Burmese on Tue/Thu/Fri/Sun on 6304 was retimed to 1030-1130 on 3/4; this and the 1200-1300 on 5110 are repeats of the 0030-0130 pgm on 5110 (BEGMS 21/4)

MORE CLANDESTINE on LN-11

USA The only US government entities to acknowledge international broadcast activities are VOI/RFE/RL and AFRIS. However, the Continental Electronics customers list includes two 10 kW SWBC xmters designated simply "US Government" (SWNS) Well, VOA might use them for feeders or standby/backup; or any agency could use them for non-SWBC purposes; so why jump to the conclusion that they are for clandestine broadcasting? (gh) 1619.7 kHz, pirate still heard at times with pop mx, fairly good Sun nite 25/4, hrd 0230; NRC reporter IDs them as "WCBX" on 1620, address Box 197, Bronx NY 10465; mixes with beacon on 1618.6 (Foxworth, Mineola, TDXN)

EUROPE R. Maniac, heard by me in Ireland on 6210, has been noted on 6212 & 6230 lately. "V.F.R.I." noted on 6310 with 10 watts, C&W mx; no time or QTH. R. Solent City International, now on 6280, will begin TV transmissions this year with 15 watts on ch. B5. R. Jacky the Killer, a Dutch pirate of some renown, will be moving from MW to 48m SW; no freq. Premier Atlantis Radio, currently on 88.0 MHz FM, will begin MW and SW cps shortly on 1111 and 6218; is in Naas, near Dublin (Free Radio Campaign--Ireland, via Andy Robins, MI)

ANGOLA Luanda is probably intending to reinstate its DS "B" pgn, for this amt was monitored on 4820 after the 1700 news; "This is the "B" programme of R. Nacional de Angola, broadcasting experimentally until the 22nd April" (BECMS 21/4)

BAHRAIN The Info Minister said R. Bahrain will be heard in large parts of the Arab Homeland including Egypt, Lebanon, Jordan and Syria, before yearend. Studies have been completed but approval of ITU and the Arab Radios Union on frequencies has still to be obtained. Kuwait has donated 250,000 Kuwaiti dinars for purchasing a new radio xmtxr for Bahrain before yearend (BECMS 28/4) Could be MW or SW, or both (gh)

BOLIVIA The R. Cruz del Sur net reports that the govt has decided to forbid new commercial radio stations, except for official radio stations and those private commercial radio stations wanting to operate in border areas (BECMS 21/4)

COMORO IS. We are planning on broadcasting in Malgache and Arabic soon (Roger Saint-Victor, Le Directeur, R. Comores, via M. Paul Routenburg, Ont, letter dated 9/11/76 via GLDXA 4/77)

(ETHIOPIA) Lutheran communication executives have abandoned any hope of recovering or replacing RVOG, recently seized by the Ethiopian govt. The Lutheran World Federation's committee on communication, which met earlier this month in Geneva, concluded that the political situation in Ethiopia and all of Africa was 'too unstable' to consider replacing the station, the Rev. Dr. William D. Kniffel of St. Louis said this week. Kniffel, director of international operations for the Lutheran Hour, attended the meeting. He said there was general agreement that the work of the station would go on through other media but that all 'brick and mortar' proposals to rebuild were discouraged as soon as they were made. (James E. Adams, St. Louis Post-Dispatch, 29/4, p. 7D, via Lou Buehler, MO) SWAZI LN-12 GER W LN-11

GILBERT IS. (Cf May LN-7) The GIBS CE says it is 'possible' they will be back on SW before yearend, but frequency has not been chosen yet. Target audience includes Gilbertese copra cutters in the Phoenix Islands, where reception of 844 kHz MW may not be as good as desired (John Campbell, Down Under DX Survey 25/4) I'll bet DXers could suggest clear freqs! (gh)

HAITI French Chargé d'Affaires says a new stn is about to go on the air. 4VRD, R. Nationale on 5975/9545 kHz, MW and FM, but didn't say when (R. Chear, France, SCDX 3/5)

IRAN The "Twenty-Fifth Shahriver" station has a 350-kW, a 250-kW and 2 x 100-kW HF xmtxr, while the site at Savah has 2 x 200-kW; there will be a further 20 xmtxr by 3/78. In an interview 24/4 on the 38th anniversary of R. Iran, the NIRT Head of Radio Transmitters added that the results of the tender for xmtxr would be announced soon and it was hoped that the 15 x 500-kW xmtxr would be installed in the next two to three years. NIRT should be able to broadcast in 26 languages by the end of the Sixth Development Plan, 3/83 (BECMS 28/4)

ITALY Continental Electronics 3/77 customers list includes a 5-kW SWBC xmtxr for Torino with the customer listed as Galileo Ferraris (SWNS) France Inter reports that an American company is setting up a commercial radio station in Ventimiglia to broadcast solely in French from 15/5, to cover all of the Côte d'Azur, 0400-2200 (BECMS 5/5) Items may not be related.

NETHERLANDS RN is to reduce its 80 min xmsns to 50 starting in November 1977; those to the Pacific will be 0630-0720 Dutch 9630/9715; 0730-0820 Eng 9715/9770; 0830-0920 Dutch 9770; 0830-0920 English 9715 (Arthur Cushen, DX Party Line 9/5) I had heard about this too, but it wasn't ready to be released. This will save in program production costs (gh) (ANTILLES)

NIGERIA Referring to public criticism of NBC on quality and program content, the Commissioner of Information remarked that deficiencies had in the past been attributed to lack of facilities, equipment and personnel. But after 20 years of operation, the nation naturally expected a drastic improvement in NBC ppgns. NBC is expected to make a conscious effort to justify the heavy government investment in its projects (BECMS 28/4)

QATAR Per ASBR, QBS plans to have a 250 kW SWBC xmtxr on the air shortly; they are also considering purchase of a new 250 kW and a new 100 kW MW xmtxr (SWNS 5/77)

SOUTH AFRICA R. RSA reports that 3 x 500-kW Telefunken xmtxr will be activated 'very soon'; The present 4 x 250 kW Brown-Boveri xmtxr, used the past 11 years, will then be overhauled or rebuilt and put back into service early in 1978, for a total of 7 high power xmtxr. A commentator stated that R. RSA might then be able to expand (BECMS 28/4) Radio Five is to take to SW in August using omnidirectional log-periodics (L-gh) and 100-kW Telefunken xmtxr, probably using 31 or 41m daytimes, and 75m at night (Gerry Wood) SWAZILAND LN-12

TUNISIA Per ASBR, RTT plans a new 100-kW SWBC xmtxr at Sidi Mansour (a Sufjalsis suburb) for broadcasts to Europe; was supposed to be on by 1976, but per WRTH77 is not (SWNS 5/77)

USSR As part of the 10th Five-Year Plan, equipment for external broadcasting is to be modernized (BECMS 5/5)

YUGOSLAVIA Tanjug reports a proposal in the Yugoslav Assembly 28/4 to allot 213,000,000 dinars to develop and equip R. Yugoslavia, which was recently founded, to broadcast abroad exclusively starting in a few months' time. Present plans are for RY to broadcast in another 11 languages in addition to the nine on R. Belgrade's external service. RY will transmit 'to all continents' and provide special pgms in 9 langs spoken in Yugo for workers temporarily employed abroad (BECMS 5/5)

IRAN LN-11

PROGRAM NEWS

KOREA SOUTH Ever-vigilant for word of humour on SW, I spotted this: KBS has "Comic Chats" on 6135 daily at 0945-0950, 1455-1500, 2340-2345 and Mon 1855-1900; and on 3918-3930 daily at 1555-1600. Then there's "Pgm for the fellow in Saharin" on 6135, Mon-Sat 1050-1100, Sun-Fri 1950-2000. Presumably one can get more out of these shows if one is fluent in Korean (JDXC 2/77 via FEDXR)

MOROCCO Starting 21/3, Rabat radio announced that regional studios would contribute pgms to the national net 0000-0300; Mon from Wajdah; Tue, Fes; Wed, Casablanca; Thu/Sun, Marrakesh; Fri, Agadir; Sat, Tangier (BECMS 24/3) WRTN shows 6100/7225/9615 for this (gh) MOZAMBIQ LN-11

NIGERIA Among the NBC National Pgms are: News in English 0500/0700/0900/1000/1100/1300/1400/1600/1900/2000 Sun/2200. Pgm Preview 0432-0440. From the Nigerian Editorials 0505-0510 exc. Sun. Solidarity 0540-0557 Sun. Nigeria in the Eighties 0610-0615, 1715-1720 both Mon-Fri. Lagos State Calling 0830-0900 Sun. Across the Nation 1230-1300 Sun. Africa This Week 1330-1345 Sat. Behind the Headlines 1403-1430 Sun. What the People Say 1715-1730 Sun. and 2000-2015 Sat. Nigerian Newsreel 2000-2010 Mon-Fri. Lagos State Calling 2130-2200 Mon. Calling Nigeria 2203-2233 daily. On 7255 at 0700-1630; 4990 0430-1000, 1500-2305 (BECMS 4/77)

SOUTH AFRICA R. RSA has moved more toward the magazine format, with "Perspective Africa"--people and places, news background, music, a live presentation, weekdays at 1403-1443, 1611-1650, the former on 21535/15220/11900; the latter on 21535/11900/4875. Also, "Good Morning Africa" 0311-0400, 0411-0420 daily on 7270/5980/4875; 0611-0645 17780/15220/11900. Now preceding "DX Corner" on Wednesdays in the 2100 and 2230 xmas is "New Nations" (RSA Calling)

THAILAND R. Thailand's 0415-0515 NAM broadcast on 11905/9655 (but never heard here), has these pgms: Sunday Magazine, 0440-0500, summarizing Thailand's current affairs, special events and new developments. Last Monday of the month at same time, Mailbox. Saturdays at 0440-0505, Music Scene--that loved by Thais; everyday 0505-0510, Topical Talk, Press and Public Views. And for music lovers, besides their own Thai classics, folk tunes and modern popular songs, they have Chinese, Vietnamese, Cambodian and Malay songs (undated sked via Andy Robins, MI) Perhaps some of the same pgms appear in the 1040-1140 xmas, to Asia, Europe and Oceania, which is better heard in NAM than the 0415; its times vary (gh)

UKOGBANI Tuesday June 7 is the Queen's Jubilee Day. BEGWS will broadcast her speech to the Commonwealth, live during 24 Hours at 1309; a 30-min roundup of the day's events will be at 1709, and the 8th at 0230, 1030; coverage also in Outlook at 1900. Covered on Outlook (also at 0115) on 9th and 10th is Royal Progress and River Pageant; Beating Retreat at Horseguards Parade; Fireworks and balcony appearance at Buckingham Palace. On Sat Jun 11, the Queen's Official Birthday, GSTQ at 0900; Trooping the Colour at 1215, repeated 12th at 0130. Outlook on the 13th covers Service of the Order of the Garter, St. George's Chapel, Windsor, and on the 28th, Naval Review at Spithead. The event also inspires less pagantric items: Monarchy and the Media, 8th 1430, 9th 0030, 10th 1830. A Jubilee edition of My Music. 5th 0130, 1230, 7th 1830. How films have changed in the past 25 years, on Take One--Jubilee Review, 6th 0145 on 11955/9410/7140/6195 only, 0815, 2145. Top Twenty of 25 Years, 8th 1830, 9th 1215, 2330. Orb & Sceptre--an anthology of words and music, every week Mons 1830, Thurs 0630, Fria 1430. Plus all the other usual good stuff (London Calling, summarized by gh)

USSR Mayak is a 24-h info and mx pgm, constantly informing listeners on life within the USSR and abroad, on all wavebands, with the "Midnight in Moscow" IS every half hour. These details are from the journal "Govorit i Pokazyvaet Moskva": Five-minute news bulletins on the hour and half-hour, and at 0300-0405, 0430-0530 exc. Sun., mx bulletins every 10-15 min. At 0330, review of Pravda; 0500, review of Sovetskaya Rossiya; 1600, brief review of Izvestiya. At present, Wed 1430, pgms devoted to the 60th anniversary of the Great October Socialist Revolution. Daily at 2230-2330, a pgm for builders and engineers on the Baykal-Amur railway. Mayak broadcasts about 20h of all types of music per day (BECMS 21/4) In Russian.

ZAIRE VOZ, 24h on 15350/15245/7115 has these French pgms: 0000-0100 Mon & Sat, R. Tribune; 0230-0300 Mon & Sat, Knowledge of Mobutism; 0500-0530 exc. Sat, Zaire Matin; 0645-0650 Mon, Economic Chronicle; 0700-0705 daily, Press review; 1200-1300, Zaire Actualities; 1335-1400 Mon, The Zaire of Tomorrow; 1400-1430 Mon, Knowledge of Mobutism; Sat, Front Page Africa. 1435-1500 daily, Echo from Kinshasa; 1700-1800 Armed Forces Pgm; 1800-1830 Zaire Soir; 2100-2115 Zaire Dernieres; 2245-2330 M/T/W Talks or Features; 2230-2300 Knowledge of Mobutism; 2330-2400, Zaire Mondial. News: 0100-0115, 0730-0735; 0830-0835 & 0930-0935 exc Sun; 1330-1345 Mon-Fri; 1430-1435 Mon-Fri; 1530-1535 Mon-Fri. At times there are also programs in Kikongo, Swahili, Tsiluba, Lingala and others (BECMS 4/77)

DX PROGRAMS

BELGIUM BRT's DX pgm in English now appears on the 4th Sunday during the 1615-1700 pgm on 11940/9745, and following GMT Monday on 9730 at 0015-0045. Du. DX Boomerang 4th Tue 2115-2130 to Af on 11940/9745; Spanish, 4th Sun 2245-2300 on 9730. RTB's French DX pgm is on Fri at 1730 on 11735/9730 (BECMS 4/77)

CANADA Altho as of 4/6, RCI's weekend pgms are different to Eur; Af; NAM, such as the mail-bags on Sundays, there will be a DX Corner, identical in all transmissions on Sundays (Ian McFarland, RCI 15/5) With at least 3 other stations using "DX Corner" as a title, how about something more original for RCI? But glad to see RCI changing its policy! (gh)

CUBA On 23/12/76, RHC answered a question about starting a DX pgm, saying "we may have one in the future" Letters encouraging this might help. Certainly any type of DX program would be better than the usual rhetoric (Jeff White, IL, RIB 7/5)

ECUADOR On Sats HCJB as of J77 no longer beams rapidly-spoken DX Party Line to Japan at 1200 on 9715/11835, latter wiping out 4VEH, but instead Roger Stubbe resumes and expands his slow English and non-preachy "Hello, DXers", timed to fit the 1200-1225 cutoff which deprives listeners to this release on Mon/Thu of the final minutes of DX Party Line (gh)

GERMANY WEST DW now apparently has a monthly DX pgm in some of its English transmissions, on the 3rd Saturday, as opposed to the bilingual German/English starting 110 mins into each German xmsn on the 2nd Sat. The 3rd-Sat one is reported at 0940 on 21540 by (Oliver T. Goodwardena, Sri Lanka, SCDX 12/4)

HUNGARY Besides the Wed/Sat English DX pgm at 0400-0415 to NAM, R Budapest has a Spanish version at the same time Tu/Fri. Also in German, Sat 1400-1415 17785/15160/11910/9585/7155/6040. At 1515-1530 for Europe 17780/15160/11910/9585/7155/6110; English Tue/Fri, German Wed, Italian Mon/Thu (BECMS 28/4) Maybe also briefer ones w/in xmsns, like in English (gh)

NETHERLANDS ANTILLES The first TWR DX Special of the month, via Monaco, Bonaire and Swaziland, is in German (Gunter Langweige, RN DXJB 12/5) I doubt this applies to Bonaire (gh)

SOUTH AFRICA DX Corner on Wed retimed from 1440 to around 1130 to Af 21535/15220/11900 (RSA Calling) More convenient time for ENAm, but 25/5 it wasn't on (gh) Other airings on Wed and Sat remain the same. French "Coin DX" is next-to-last item before 0550, 0750 on Suns, 17780/15220/11900; Thu before 1300 on 21535/15220/11900; Sun before 1850 on 4875; 2050 on 9585/5980/4875. German "Kurzwellenreiter" next-to-last before 1850 Tue/Thu/Sat 15155/11900. Likewise Dutch "De Puntjes op DX" before 1750 15155/11900 (RSA Calling May-Oct) USSR LN-12

OOB REPORT

British DXers are trying to get SWEC reforms at WARC-79 and are presenting a position paper to the govt. Kuwait out-of-band 12085 1700-2000, and UK DXer Noel Green thinks the UNID Arab on 11990 is also Kuwait's HS. YOM-Monrovia noted on 15090 *1630-1730* in aero mobile band, supposedly here for a couple months, but quickly left when brought to Washington's attention. Use of 12010 Monrovia and 7325 via BEC acknowledged in sked, but 15090 was listed as 15320. UNID S. Asian (Bangladesh?) 7-8/5 c 1350 with haunting mx in Asian lang on 15535v, BECMS reports Engkudi gone from 12105/13250. A new channel for USSR, formerly used by Peking is 15500, 1300-1500 for J77 FS from Asian site. Israel adjusted Hebrew HS to 15547.5, measures 15546.8, ex-15545, varies daily, 0400-1030, 1400-2305. Pakistan afternoon Eng on new 11640/9790, both fair Mornings in langs on usual 15520, poor, and 17665, variable. Would a NAM beam around 1330-1630 be of interest, Urdu with English news? (all from Larry Magne, PA)

THE PULSER

Presently the best source of unclassified info on the US and Russian OTH radar programs can be found in the 1977 James Weapons Systems. Look in the index under OTH. Among the most interesting/important items: Continental Electronics is under contract to GE to produce a 6-megawatt xmt; in 1976 the director of Defense R&D, Dr. Currie, testified to a closed session of the Armed Services Committee that the USSR is working on at least two OTH radars. The radar presently being built in Maine is a technology verification prototype. If it meets design objectives, a full-scale model will be built on the same site in Maine and one will be built in the northwest US. The program name is CONUS OTH-B. So far, about \$22 million has been spent (David Mackes, MD)

The Air Force has found an unexpected hostile blip on the screen of its fledgling OTH radar program in Sen. Edmund Muskie, Dem., Maine. If he has his way, none of the military construction funds appropriated for the OTH pgm in the fiscal 1975 budget could be spent until 31/5/75. Muskie's ire was aroused when the AF announced 25/6 that it had preferred sites in Maine for the xmt and rx installations. The Maine receiver site would take 1000 acres that now produce 6% of the state's blueberry crop. Muskie argues that Maine citizens need more time to convince the AF of the 'importance of the land to our economy'. The full senate concurred with a delaying amendment tacked onto the military construction appropriation bill. It's not that he doesn't want the site in Maine, the Senator says, but he wants unresolved problems solved. He'd like the AF to choose another rx site to save the blueberries (Electronic Design, Oct. 11 1974, p. 57-58, via Robert H. French, MD) Presumably this is long since resolved, but is an interesting commentary on the relative unimportance accorded to the interests of SWIs and DXers and others who would not have our spectrum polluted with the garbage of over-the-horizon backscatter radar pulses (gh)

PUBLICATIONS

Global News is a new weekly tabloid newspaper, to start publication 15/6 in Toronto, "aiming to be the world's first multi-national, multi-perspective newspaper." It will 'derive most of its news from monitoring the English language programming of 36 state-operated SW radio stations around the world'. Editor Brian Nolan told the Globe & Mail (no relation) that "the major news stories will be drawn from the accounts of three or four different national radio stations." It will sell for 50¢ on newsstands, but will be principally marketed to airlines, which will distribute it free to passengers. So far only Air Canada and UTA of France have agreed to distribute it. (Toronto G&M 11/5 via Ball, Ont.)

Africa News, a weekly digest of African Affairs, in which NASWA member Reed Kramer is involved, also bases some of its reports on monitoring, tho this is not obvious from the copy sent me. They also produce audio feeds for radio stations and NPR, twice weekly. Box 3851, Durham NC 27702. (gh)

1979 World Radio Conference: How It Will Affect You, in May Radio-Electronics, by Stanley Leinwoll. Promises at least 50% increase in spectrum-space for international broadcasting, while hams will have to fight even to hold onto what they have in view of third-world pressure and belief that ham radio is primarily an American activity of little interest to developing nations. (Dave Walcutt, IL) Good news for us!

The Case of the Missing Sunspots, by John A. Eddy, May Scientific American (Walcutt)

Undercurrents, an English counterculture technology magazine, has in back issue #7, a 'people's radio primer': Technical advice for clandestine broadcasting, construction plans for low power MW, FM, carrier current, and modulated-light xmitters, pictures of the Welsh Plaid Gymru station. Surprisingly, not a mention of HF, where the Euro action really is. 275 Finchley Rd., London NW3 (Hugh Miller, WA)

Down Under DX Survey No. 8 is out, new address 7 Donald Road, Burwood, Victoria, Australia 3125, for 6 IRCs Intl air, 3 IRCs or 50¢ in mint (Toronto Globe & Mail, Australian stamps in ANZ. 12 pages, including 3p of survey of 5900-6200 kHz Asia/Pac/USSR stns. 3p on Chinese HS survey, and more (gh) 22/4 via Seltzer Ont)

Far Eastern DX Survey No. 8, 16p, features a monitoring report by Hiroyuki Nagase, of Chinese Stations on SW other than R. Peking FS, 2200-17605 kHz, 4 p. Contact Isao Ugusa, 1-3-10 Mikage-Yamate, Higashinada, Kobe 658, Japan (gh)

Listade Emissoras Brasileiras de Onda Tropical is offered for one IRC abroad from DX Clube do Brasil, C.P. 30, BR-50000 Recife, Brazil (SGDX 10/5)

XV Anniversary of Radio Havana Cuba (sic) (of May LN-11) The containing clumsy misspellings and some dogmatic verbiage, this booklet available from RHC contains some quotations from surprising sources and some interesting statistics, and is in general worth reading (Richard E. Wood, NY) It was ironic to note this on the last page: "Printed in the 'Friedrich Engels Unit' of the Enterprise of Propaganda Media, Jan, 77, 'Year of Institutionalization'" Think that one over a while! (Ed Insinger, NJ)

Itinerario Temático y Estilístico del Teatro Contemporáneo Español, por Carlos Miguel Suárez Radillo is a 279-p softcover book of plays presented on RTVE, sent to (Dan Ferguson, NV)

TIME JUMPS

Albania went on GMT+2 on 8 May; **Algeria** jumped 2 hrs to GMT+2 on 6 May; on 20/10, will go back only 1 hr, to 5/5/78; contradicting May LN-5; **Cuba** went to GMT -4 on 29/4, to 25/9. **Tunisia** on GMT+2, 1/5 until 25/9 (BEGMS var.)

DX CALENDAR

June	30 Zaïre Independence Day	6 Malawi National Day
17 Iceland Republic Day	July	9 Brazil National Day
GFR German Unity Day	1 Canada, Canada Day	Argentina R. Belgrano, 53
20 Argentina National Day	Rwanda Independence Day	11 Mongolia Revolution Day
23 Lux Gr. Duc Jean B-Day	Burundi Independence Day	14 France Bastille Day
24 Thailand National Day	Ghana Republic Day	Iraq Revolution Day
27 Perú R Atlántida, 9	3 Guatemala Liberation Day	Cameroun R. Yaoundé, 22
29 Perú R Arequipa, 37	4 USA Independence Day	18 Spain National Day
	GFR R Free Europe, 27	Brazil Rdif Teresina, 29
	5 Venezuela Independence Day	(Gees van der Zalm, BDXG)

UNIDENTIFIED

2500 2300-2400* 24/4, sounds like a Caribbean stn with accented English, US Top 40 show, TGs for GMT-4, calypso mx, some lang. ads and jingles. Another day on 2500, hrd WQDE Albany GA, 2 x 1250, also 2400* (Neal Perdue AL) ?Sure not same? (gh) 5049.5 0940 11/4, R Tracedio?, typical LA, Argentina? (Laves, TX)

LAST MINUTE ITEMS (All these have been crossreferenced in main section)

AUSTRALIA ORF has Esperanto Sats 1645-1655 6155/9770 Eu/9725 NE; Sun 0545-0555 6155 Eu/6015 WNA; 17840 SEAs/Au (Richard Wood, NY, 17/4) New for them, is it? (gh)

BULGARIA R Sofia output rose from 25h per day in 1973 to 29½ in 1976 (BECMS 12/5) BECMS frequently provides such statistics; I usually omit. (Are any FRENEX readers interested? (gh))

BYELORUSSIAN SSR Minsk's HS-2 "Krylitsa" now on 11800/9560/9545 (BECMS 12/5)

CANADA RCI English added 5960 at 0400, swapped powers and beams 0200, 0300, 0400 on 11845 and 9535 so that 11845 is 250kW on 232° heading; 9535 50 kW 268° (RCI Engineering 21/4)

CHINA New stn, Hubei Province Meteorological BC Stn, hrd since early April on 5775 0700-0740; wx rpts, some music; in Chinese (Joji Takamoto, Japan, SCDX 10/5) R. Peking English:
 00-01 ENAm 17860 15060 11945 8300 6810 12-13 ENAm 11685 6995 5250 6590
 01-02 NAm 17680 15060 12055 11945 11455 11375 12-14 SEAs 15270 11650 9470 9290 SSB-8660/
 SSB-8450 8320 8240 5420; Tir. 9780 7120 14-15 SAs 11650 9860 5030 3985
 02-03 ENAm 17680 SSB-17490 15060 12055 11455 15-16 SAs 11650 9860 6540 4020 3270
 10865 8240/17860 at 00 may be 17680 typo/ 16-17 EASAF 11650 9860 SSB-6550 6540 SSB-
 03-04 WNA 17650 17535 15060 12055 11650 SSB- 6120 4020 3270 (BEC
 11630 11375 10865 8320 8240; & Tir as 01 17-18 EASAF same as 16-17, add 8345 MS
 04-05 WNA 17650 17535 15060 12055 11650 SSB- 18-19 SAs SSB-8660 6590 SSB-6120 1210 4/
 11630 10865 8240 19½-20½ NAWAF 9470 8345 7620 SSB-6550 77)
 08½-10½ AuNZ 17635 SSB-15480 15060 12450 11720 20½-21½ NAWAF 11660 8345 7620 SSB-6550
 11600 9460 9380 (2 one-hr pgms) 20½-22½ Eu 9030 7590 6860 6590 SSB-6120 5090

(CLANDESTINE) (Cf May LN-11 unID on 3364) I heard the tape on DX Juke Box, and I am sure the language is Czech, and it's an agent-station giving digits 807, 807, 05 (unsigned card from West Germany, where it is illegal to report on such stations) An English smt was heard on 6205 giving that freq, 381.1m MW, 90 MHz VHF, announcing a test xmsn to 0100, but no ID. Most likely from R. Nordsee International, now socked in Libya (four SCDX reporters 10/5) From Algeria, Voice of Palestine now at 1500-1600 ex-1700-1800; Voice of Free Sahara and Voice of Free Canary Islands now 1900, 2000 resp. observed on 575 kHz (BECMS 12/5)

EQUADOR (Cf May LN-8) HGJB transmitter #1 was found to be running without control on 24/2, with a loose cover on the two 6146 tubes in the exciter; it was not neutralized and tending toward oscillation. This caused the spurs reported by gh (Jim Hecht, HGJB via DXPL 23/5) So much for February, but how about the ones in March? Jostle loose again? (gh)

FRANCE RFI testing on 4880 to 2000* asking for reports (Fritz Büttner, GFR, SCDX 17/5) A popular tropical fq for Euro ISWBCers! DW and Moscow having been reported around there (gh)

GERMANY WEST DW is considering extending its English for NAm from 20 min to 30 min. Listener reaction welcome (Richard Wood, NY, 17/5) Grubs (gh)

GREECE VOG English to Au 0915 on new 15160 (Juri, Novosibirsk, SCDX 10/5) And at 1920 on 7215 (M. Neelund, UKOGBANI, SCDX 10/5) J77 sked still needed, but changes oftener (gh)

IRAN NIRT for Persians overseas from Kalamabad site includes relay of HS-I 0245-2030, and at 2030-0230 "The Familiar Voice" (WRVTH calls its 'special Persian') for expatriates, all using high-power xatrs, but sked hard to determine (Padula, ADXN 5/77) 15084 is prime fq(gh)

ITALY RAI Esperanto now Sun 2000-2020 7275/9710/11800-ex-7290. Conflicts with Vatican Esperanto (Wood, NY, 17/5) Wow! That means the language has really arrived; hi (gh)

MONTSERRAT Our relay facilities here are not operational but we expect them on the air in the not too distant future. Once we have a firm starting date this will be advertised via our normal printed and microphone publicity (Dennis Thompson, for Supt. Engr. External BCing 1, BEG, received 20/5 by Tom Overcamp, SG) If you listen to DW on 5960 at 0525 you can hear two distinct xmsns, not synchronized with a delay of about 1½ seconds. This freq is one that has been indicated as being for Joint Antigua/Montserrat use (Bob Padula, ADXN 5/77) I suppose weaker is Mont. radiating vertically to fill in Caribbean 'hole' assumed to be left by stronger Antigua beaming horizontally toward USA; stupid not to synch tho! (gh)

MOZAMBIQUE R. Mozambique "A" pgn sked: 0255-0530 11820/9620/7240/6115/4865/3210; 0530-0700 drop 3210; 0700-0815 add 15295; 0815-1500 drop 4865; 1500-1600 drop 15295; 1600-1900 add 4865 3210; 1900-2215 drop 11820 9620. Among the Portuguese pgms are "Mozambique--2nd Year of Independence" at 0400-0410; Moz. Women's Organization pgn Tue/Thu 0415-0430 and Mon/Wed 1630-1645; "Events of the Week" Sun 0600-0620; "The Meaning of Words" 0630-0635; listeners' letters Sun 1130-1150; press review Mon-Fri 1130-1200; "The Cultural Offensive of the Working Classes" Sun 1200-1230; listeners' letters Thu 1735-1755. The "B" pgn operates 0255-0500 on 4925/3338; 0500-0530 6050/4925/3338; 0530-0830 6050/4925; 0830-1600 7110/6050; 1600-1900 6050/4925/3338; 1900-2215 4925/3338; it's in Port. and vernaculars (BECMS 5/77)

PAKISTAN R. Pakistan Peshawar Channel No. 2 is on 6080 1200-1400, then on 3155 (Hasnain Zaidi, Pakistan, SCDX 17/5)

SEYCHELLES FEBA J77 sked for non-English only shows meter bands: SAs, 0045-0155 49m; 0200-0300 31m; 1120-1520 19 & 25m. NEAF & WAs, 0310-0445 25m; 1650-1725 25m; 1725-1845 31m EAF, 0315-0345 31m; 0450-0520 25m. IndOcIs 0845-0930 19m (Bob Padula, ADXN 5/77)

SRI LANKA (Cf May LN-5) SLBC English sked was OK except 6005 and 17850. All-Asia Service in Hindi: 0030-0430 7190/11800; 0630(Sun 0430)-0830 7190/11800/15120; 1330-1730 on 7190--with increased power from 1500--and 11800; Tamil, 0830-1330 7190/11800 (Oliver T. Goonawardena, Sri Lanka, 18/5, direct --thank you, Oliver! -gh)

SWAZILAND TWR is considering expanding its service to cover the areas formerly reached by the nationalized ETLF and R. Cordac. They also have a test xmsn on 5955/9520 in Afrikaans at 1200-1300, English 1300-1400 (Colin Miller, Discovery, Tval, RSA, via SCDX 24/5 via gh)

SWEDEN Our transmitter at Karlsborg has been operating on reduced power of 125 kW because a high-frequency transformer was burned up; it will be replaced one of these days (SCDX 10/5)

SWITZERLAND SBC Esperanto ex-1220-1230, now M/W/F 1800-1810 omni 3985/6165/9535; also on same Tu/Th/Sa 2135-2146 plus 9590/11720/11870/15305 to Africa (Richard Wood, NY)

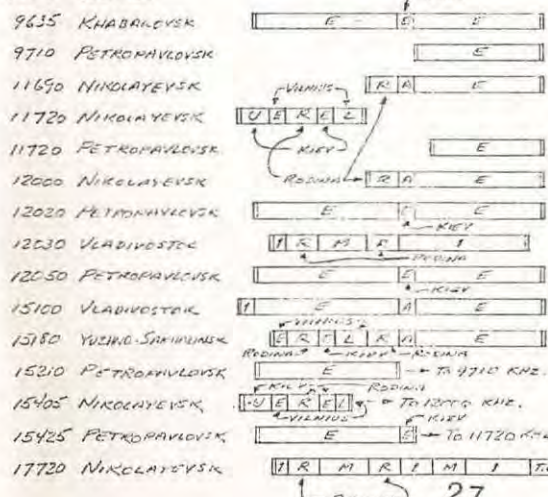
USA (Cf LN-2) KGEI at 0700 is on 9520 (Masaki Oda, Japan, SCDX 17/5) Is it? (gh) We also have two contradictory sked for WINE, both claiming to be J77; I can hardly hear them here. 1700-2000 Eu/NAF 17775, 2000-2100 Eu/NAF 15305, 2100-2245 Eu/NAF 15185, 2247-2400 LAm 15175. 1730-2000 Europe 17720, 2000-2100 Europe 15185. 2100-2245 Europe 15185, 2247-0100 SAm 15145. 0000-0100 LAm 11910 (Andrew Kerr, DSWGI, via ADXN 5/77) So which is 0100-0200 SAm 11730 (Mrs. Ann Wallis, Thomas Drescher, GFR, SCDX 10/5) right? (gh)

United Nations Radio J77 via VOA facilities, weekly on Fri into Sat: 1800-1830 5 min. ea. Eng/Fr/Sp/Ck/Turk/Port; 1830-1900 Eng/Fr/Port/Arab/Fr/Port, all on GR-15410/21670 and Ten 15305. 0000-0015 Port GR 15420/11955/LSB 10454/MON 9745. 0030-0100 Sp BY 11830/15160, GR 9650; 0500-0515 Eng/Heb/Eng & 0515-0530 Arab & 0530-0600 Fr/Eng, GR-6055 and 9590. 0500-0530 repeated at 0630-0700 on Ten 15285/11825/9630. 0700-0715 Fr/Eng GR-9710/6055. 0715-0730 GR 9710/6055 & 0845-0800 Mon 17860/15235 Swah/Som/Port. 0230-0245 Eng DL 15270/17850 & Phl 17750/15155. 0845-0900 Eng DX 9650/5955. 0930-1000 Chin/Indo DX 5955/9730, repeated at 1030 Phl 15250, 1045 Phl 11930. 1000-1015 Eng/Jap DX 9730/5955, Phl 11930 1015-1030 Pilipino DX 9730/5955, Phl 15250. Standby sked for Security Council coverage; in Eng and/or French: 1430-1800 GR 21670/21515/15410; (all Greenville exc Bethany 6090); 1900-2000 17750; 1900-2200 15410/11900; 1900-2300 17865; 2000-2200 17740; 2200-2400 15415; 2200-conclusion 11760; 2300-0200 6090; 0000-conclusion 11780 (UNR via John Winslow, WI)

USSR Siglat Zilions of R. Vilnius would like reports on how their HS gets out on 9710, 0300-2200, all in Latvian exc. Moskva relay 1900-1930, and own Russian pgn 1200-1300. Souvenirs are offered; write to him at Naujoji 62-45, Alytus 234580, Lietuvos TSR, USSR (SCDX) R. Moscow has a DX pgn in French on the 2nd & 4th Sun at 1800 (A Klepov, RM, SCDX 17/5)

SOVIET FOR. SVL.
TO MO. AMER.
FROM FS SITES
MAY 1977

KHz. LOCATION



LANG. & PGM. CODE:
A ARMENIAN (YEREVAN)
E ENGLISH
L LITHUANIAN
M MAYAK - RUSS. HOME SRV.
R RUSSIAN
U UKRAINIAN (KIEV)
I FORM 1 - RUSS. HOME SRV.
TO "R. SEA PACIFIC OPERA."

NOTE - "E" IS "RADIO MOSCOW" ENGLISH EXCEPT WHERE NOTED.

The home service schedules are equally changed. I still have not gotten too much of that. 12030 is dubiously FS, seems to replace HS on 9725, but since it now includes "R. Rodina" I'm putting it with the foreign service (Bill Davis, 19/5)

W. F. DAVIS
2442 LOS SERRANOS
LAGUNA NIGUEL
CALIF. 92677

scoreboard

MYRON SMITH, EDITOR
36 Ogden Center Road
Spencerport, New York 14559

JUNE 1977

Reporter/Location	Loc	Yrs	ASIA							
			C/H	C/V	S/H	S/V	C/H	C/V	Best	OSL/Freq
1 James Young, Calif	3	25	220	201	347	262	--	--	-----	-----
2 John Campbell, Australia	3	6	218	193	---	410	65	77	RDPK	Ketapang 5613
3 John Tuchscherer, Wis	-	54	218	---	1116	---	62	---	-----	-----
4 Sam Barto, Conn	3	12	216	203	1225	851	--	--	-----	-----
5 Dan Henderson, MA	3	12	213	200	---	---	63	98	R Hong Kong	3940
6 Irving Johnson, Calif	1	5	213	65	---	---	59	15	R Ulan Bator	6385
7 Bob Padula, Australia	1	12	211	204	---	---	---	---	-----	-----
8 Richard Pistek, Ill	1	14	211	204	---	349	60	28	JJY Tokyo	8000
9 Al Sizer, Conn	1	9	210	201	784	326	98	57	RAI Denpasar	3945
10 Edward Shaw, Ky	2	13	210	179	783	458	62	7	R Hong Kong	3940
11 Bill Sparks, Calif	1	21	207	201	---	634	62	35	JJY Manchoukuo	9926
12 Marlin Field, Mich	1	17	207	200	832	695	58	54	RAI Sorong	4872
13 David Potter, Fla	1	10	207	---	780	---	58	---	-----	-----
14 Ernie Behr, Ont	2	22	205	181	1015	305	61	50	R Brunei	4865
15 Alan Mayer, Ill	1	17	205	174	696	308	61	40	Pangkok Meteorological	7863
16 Dan Robinson, DC	3	7	202	193	---	---	---	---	-----	-----
17 Roger Legge, Va	2	43	201	175	---	731	52	41	RBI Hong Kong	9525
18 Bill Whitacre, Mich	1	8	200	150	---	195	57	37	Oman	11890
19 Albert Garrou, Ill	3	11	200	144	342	178	--	--	-----	-----
20 Al Niblack, Ind	-	--	200	130	---	---	---	---	-----	-----
21 Myron Smith, NY	1	13	199	156	---	245	55	36	R Baku	9840
22 Alan Roth, NY	-	18	197	181	610	464	--	--	-----	-----
23 Victor Jaar, Quebec	2	12	193	4	---	---	---	---	-----	-----
24 Larry Yamron, Pa	2	7	190	149	---	---	48	--	RDPK Indonesia	4697
25 Al Miller, Ohio	1	6	188	167	466	214	--	--	-----	-----
26 Edward Kusalik, Ont	3	11	184	151	302	220	--	--	-----	-----
27 Gerald Bishop, Pa	2	1	181	110	398	160	43	20	Turkish State Meteorol	6900
28 Larry Abraham, Mich	1	6	180	139	345	191	47	29	RRI	4932
29 Andy Robins, Mich	1	5	179	124	---	---	45	27	-----	-----
30 Rob Vokes, Tex	2	3	178	103	516	135	--	--	-----	-----
31 Tom Gavaras, Minn	1	6	175	136	309	222	43	29	-----	-----
32 John Fisher, Ont	1	5	175	130	416	208	43	29	AIR Madras	6080
33 John Sgrulleta, NY	1	19	169	166	---	---	---	---	-----	-----
34 Hank Michalanka, RI	1	10	169	133	287	148	43	28	Iraq	9610
35 Charles Woolten, Sardinia	3	4	168	137	424	304	48	36	R Sanaa	5805
36 Joe DiLeo, Conn	1	7	167	144	470	309	37	28	-----	-----
37 Charles Brunner, Pa	1	3	164	75	---	---	---	---	-----	-----
38 Jim Zabransky, NJ	2	7	160	148	---	---	36	31	R Nepal	11970
39 Richard Schwartz, Del	5	20	160	121	---	---	---	---	R Sanaa	-----
40 Jerry Lineback, Ill	1	8	158	93	308	116	--	--	FEN Japan	3910
41 John Herkimer, NY	1	7	157	130	---	---	35	25	R Afghanistan	15265
42 Robert Wiles, W Va	1	3	157	113	---	165	29	20	R Brunei	7215
43 Hadley Cress, Va	1	4	157	6	---	---	34	2	BBC Malaysia	15310
44 Jerry Stuart, Okla	1	13	156	125	224	216	21	16	Singapore	11940
45 Mike Ryan, Calif	-	--	153	153	---	---	---	---	DZ17 Philippines	6080
46 Martin Poltz, Mich	1	5	151	80	---	96	--	--	-----	-----
47 Jim Ronda, Ohio	1	5	150	103	---	---	---	---	-----	-----
48 Bob McCoy, Nebr	1	4	149	81	386	94	--	--	-----	-----
49 Neal Kolb, Fla	-	--	149	75	---	---	37	16	-----	-----
50 Bryan Price, Ky	1	8	148	78	320	95	--	--	-----	-----

Reporter/Location	Loc	Yrs	C/H	C/V	S/H	S/V	C/H	C/V	ASIA		
									Best	QSL/Freq	
51 Jack Troy, Va	1	4	145	37	---	---	--	--	---	---	
52 Bobby Hobbs, NC	1	6	143	89	232	145	--	--	---	---	
53 Kerry Brandt, NY	1	--	142	92	---	---	--	--	---	---	
54 Wade Smith, Mass	2	6	140	91	---	---	--	--	---	---	
55 Joey Nonnast, Tex	--	--	135	118	238	165	35	28	R Brunei	7215	
56 Henry Rockwood, Ohio	1	3	135	108	---	140	27	19	Saudi Arabia	9720	
57 Neil Wolfish, Ont	1	2	135	94	252	138	25	13	Saudi Arabia	11855	
58 Arthur Watson, BC	1	4	135	74	275	91	40	15	R Ulan Bator	5053	
59 Bill Paschke, Wisc	1	9	133	79	286	101	--	--	---	---	
60 Mac Leonhardt, Indiana	--	--	133	70	---	---	--	--	---	---	
61 Michael Agner, NJ	2	5	131	75	332	77	23	13	PLA Puchow2	4380	
62 Tom Overcamp, SC	2	3	122	105	---	---	--	27	22	Bangkok Meteorological	7863
63 Woody Seymour Jr, NC	1	8	123	105	---	---	--	--	---	---	
64 Lauren Ware, Va	1	2	122	44	263	48	21	6	Philippines	---	
65 Neil Schulman, NY	1	2	125	76	209	89	21	11	Saudi Arabia	11950	
66 Kent Willis, Ky	1	1	126	58	259	53	--	--	---	---	
67 Mike Hardester, Okinawa	2	3	124	112	221	106	38	27	APWT Taiwan	3390	
68 Robert Fleck, Ill	2	10	124	84	---	---	--	--	---	---	
69 Scott Newman, Ill	1	4	123	80	---	---	--	--	---	---	
70 Allan Courtney, Ky	1	4	123	51	244	56	--	--	---	---	
71 Jim Worlidge, Ore	3	7	123	10	254	10	34	2	---	---	
72 Adam Gaffin, NY	--	--	122	73	238	126	25	12	VOA Okinawa	7165	
73 Ira Teitelbaum, NJ	1	7	121	102	253	130	--	--	R Baku	5040	
74 Greg Ravenhorst, Minn	1	5	121	73	176	126	--	--	---	---	
75 Charles Foxx Jr, Va	--	--	120	106	151	138	30	23	Jordan	7195	
76 Phillip Wala, Mich	1	5	120	91	219	133	24	17	R Bangladesh	17935	
77 Terry Krueger, Fla	5	5	120	68	230	94	--	--	---	---	
78 Jim Davis, Calif	--	1	118	77	228	92	31	17	NRK Madbarjo	3393	
79 Henry Lazarus, La	1	9	116	107	336	274	--	--	---	---	
80 Dan McCarthy, Ind	1	3	115	93	145	123	22	17	---	---	
81 Graeme Brown, BC	1	1	113	57	164	93	34	14	NHK Japan	3607.0	
82 Robert Beaudoin, Conn	1	2	112	26	---	110	--	--	---	---	
83 Edward Pyatt, Pa	--	--	109	99	156	136	22	19	R Bangladesh	7875	
84 David Ball, Ont	1	5	109	88	105	127	24	20	RRI Banda Aceh	4205	
85 Robert Koziomkowski, NY	--	--	108	59	136	80	23	5	Kuwait	---	
86 Andre Pineault, Quebec	1	4	107	71	151	84	14	9	R Pakistan	---	
87 Jeff Roth, Ill	1	10	104	76	188	87	23	16	---	---	
88 Pat Tobin, Pa	1	3	103	74	165	93	--	--	---	---	
89 Peter Schipelliti, Mass	1	1	102	51	160	68	17	9	R Baghdad	9745	
90 Keith Russell, Ill	2	4	101	69	145	71	20	10	R Bangladesh	17935	
91 Brian Alexander, Pa	1	6	101	58	163	73	18	8	---	---	
92 Bruce lavery, Ga	1	1	100	2	184	4	--	--	---	---	
93 Werner Hoffman, Calif	1	1	100	--	141	---	--	--	---	---	
94 Bill Bogel, Calif	1	2	100	--	---	---	--	24	---	---	
95 Steve Shotola, Ill	1	2	98	65	141	76	13	7	---	---	
96 Joe Delap, Ark	1	2	98	45	177	60	8	5	NSB Tokyo	6055	
97 Paul Dumire, Mo	1	1	97	53	148	63	--	--	---	---	
98 Mildred Marshall, ND	9	9	96	88	141	123	--	--	---	---	
99 David Heimke, Mich	--	--	96	68	---	---	--	--	---	---	
100 David Sarrazin, Colo	1	2	95	53	140	61	24	11	Jordan Home Svc	9530	
101 Timothy Noonan, Wisc	1	2	94	66	180	93	16	11	AIR	9525	
102 Gary Biasini, Alta	1	1	91	39	---	---	--	3	---	---	
103 Kevin Mikell, Ill	1	2	90	69	173	103	12	11	---	---	
104 Dave Twiggs, Conn	1	2	89	49	145	61	--	--	---	---	
105 Susan Wylie, Mass	1	4	87	73	125	97	--	--	---	---	
106 Michael Bolitho, Ont	1	1	86	59	110	70	9	6	Kuwait	12085	
107 Ted Muszynski, Conn	1	2	86	40	127	43	--	--	---	---	
108 Troy Gower, Ill	1	2	85	75	93	83	--	--	---	---	
109 Larry Talbot, Wisc	1	5	85	67	---	---	--	--	---	---	
110 James Mulvey, NY	1	3	85	64	---	---	--	--	---	---	
111 William Mann, Ont	1	5	83	72	91	77	11	9	Taiwan	17720	
112 Ciro Guarducci, BC	1	4	82	73	169	112	--	--	---	---	
113 Tom Blossom, Ohio	4	15	81	72	95	79	15	12	R Free Korea	9640	
114 Mickey Delmage, Man	1	4	78	73	112	96	9	6	BCC Taiwan	15125	
115 Arnold Lausevich, Wisc	--	--	77	56	---	---	--	--	---	---	
116 Richard Lucas Jr, NY	--	--	77	53	---	---	14	9	---	---	
117 Jackie Cole, Colo	4	4	75	53	---	---	--	--	---	---	
118 Bruce Schoenfeld, Conn	1	3	74	58	122	71	--	--	---	---	

Reporter/Location	# #		ASIA						Best QSL/Freq
	Loc	Yrs	C/H	C/V	S/H	S/V	C/H	C/V	
119 Anton Dubrick, Ill	1	2	73	46	119	67	10	6	R Sanaa 9780
120 Mike Brooker, Ont	4	4	65	41	83	50	10	7	V Of Vietnam 15012
121 Robert Ward, NB	1	1	65	39	98	43	--	--	-----
122 Roger Peterson, Conn	1	1	64	57	68	60	10	10	Iraq 9750
123 Larry Klassman, Ill	1	1	61	50	76	61	--	--	-----
124 Martin Alintuch, Mass	1	1	59	45	78	59	7	5	-----
125 Wayne Grow, Pa	1	4	58	20	75	20	--	--	-----
126 Bob Schneck, Mo	1	1	55	21	80	25	--	--	-----
127 Joe Dias, Calif	1	3	53	40	68	51	--	--	-----
128 Thomas Kenny, NJ	1	2	51	24	60	30	3	2	V of Turkey 9515
129 Daniel Conti Jr, NY	1	1	50	32	60	34	--	--	-----
130 John Hathaway, Ill	1	12	44	20	215	48	--	--	-----
131 Robert Zajda, Mass	1	1	44	17	52	17	5	4	R Kuwait 12085
132 Lexington Smith, NY	--	--	40	20	---	---	--	--	-----
133 Ken DeLong, Pa	1	--	38	21	42	30	6	2	Israel 11645
134 Bobby Dunnigan, NC	1	1	33	13	42	16	--	--	-----
135 Peter Giacomelli, NY	1	1	31	24	---	---	--	--	-----
136 Joe Ihnat Jr, Pa	1	1	20	17	25	19	--	--	-----

TOP 10 Countries

Verified	
1 Bob Padula	204
Richard Pistek	204
3 Sam Barto	203
4 James Young	201
Bill Sparks	201
Al Sizer	201
7 Dan Henderson	200
Marlin Field	200
9 Ed Shaw	199
10 John Campbell	199

TOP 10 ASIAN

Countries Heard	
1 John Campbell	65
2 Dan Henderson	63
3 John Tuchscherer	62
Ed Shaw	62
Bill Sparks	62
6 Ernie Behr	61
Alan Mayer	61
8 Richard Pistek	60
9 Irving Johnson	59
3 tied at 58	

Countries Verified

1 Dan Henderson	58
Richard Pistek	58
Bill Sparks	58
4 John Campbell	57
Ed Shaw	57
6 Al Sizer	55
7 Marlin Field	54
8 Ernie Behr	50
9 Roger Legge	41
10 Alan Mayer	40

Scoreboard is published quarterly with information on number of locations DXd from, number of years DXd, countries heard and verified, stations heard and verified, and number of countries heard and verified from the spotlight continent as well as your favorite QSL from that continent.

NEXT DEADLINE AUGUST 15. SPOTLIGHT IS EUROPE

A word of thanks to all who said kind words about my comments last time. Keep those cards and letters coming.

Roger Legge asks why Azores are counted as Africa even though they are off the coast of Europe? Does anyone know?

I have had a few suggestions to include receiver model in the column. If you send me your primary receiver, I will find room for it. I think it is an important statistic.

Well, that takes care of all updates received here through May 17. Some of you really squeeze that deadline, and you may have noticed that sometimes your report is included when it is late, and sometimes it is not. That is because I have to borrow a typewriter and I do the column whenever I can arrange to borrow it, and include all reports received at that point.

73s till next time

Myrm

HELPING HAND: For Sale, Barlow Wadley XCR-30. Excellent shape. \$180 or offer. David Potter PO BOX 2698, Key West, FL 33040. phone. (305) 294-4724. Includes shipping & manuals.

HELPING HAND: For Sale, Drake SPR4, 17 months old, mint condition. Manual, best offer. A.R. Plotnik, 77 Woodlawn St. Hamden, CT 06517.

HELPING HAND: Need mint stamps? Maybe I can help you. Send a SASE and a list of your needs. If I have the stamps I will send you a price list. IRC's are accepted. Albert J. Muick RD#2 Box 542, Wescosville, PA 18106.

QSL REPORT



BILL OLIVER, EDITOR
45 Wildflower Road
Levittown, PA 19057

JUNE 1977

According to information forwarded by Ed Insinger-NJ and Tom Stanziale-CT, the CBC Northern Service has temporarily discontinued issuing QSL cards. Exactly how long "temporarily" is, we don't know. Ed wrote that his notice was stapled to an "Eskimo" card with no data, and Tom received a sked and a postcard thanking him for his report!

A nice, quiet month this time around. We have a verie from Ivory Coast, the first one reported since April, 1976, from Ralph Alm-BC, and Jim Young-GA has VIC #204 with three QSL's from Cook Island! Here we go....

AFARS & ISSAS: FR3, 4780, white FR3 card w/date only in 26 days for 1 IRC. (Bishop-PA); four cards in 9 months, 3 months after 2nd f/up for EE rpt on FF xmsn, mint stamps, used Canadian stamps, and finally, a Canadian dollar on the 3rd try. (Kusalik-ONT). Money talks!!

ALBANIA: R. Tirana, 7065, f/d "Revolutionary" card and sked in 46 days. No rp. (Ware-VA): 9780, red/white card and sked in 75 days. No rp. (Schatten-MI)
R. Feking relay, 7120, "Yao Mts." card w/o time and sked in 16 days for 2 IRC's. (Zajda-MA).

ANTIGUA: BBC Relay, 6175, card with "Antigua" typed on it in 21 days. (Sparks-CA): 9560, no-data card in 84 days. No rp. (Alintuck-MA).

DW Relay, 6040, no-data card in 136 days for 2 IRC's. (Ward-NB); same in 70 days for 1 IRC. (Zajda-MA): 5960, same in 4 months. (Sparks-CA).

ARMENIAN SSR: R. Moscow via Yerevan, 7130, f/d card in 30 days. (Legre-WA).

ASCENSION IS: BBC Relay, 9765, no-data card and sked in 20 days. No rp. (Alintuck-MA).

ASIATIC RSFSR: R. Moscow via Yuzhno-Sakhalinsk, 11860; via Nikolayevsk-on-Amur, 9785, f/d card in 23 days. No rp. (Mayer-IL).

AUSTRALIA: R. Australia, 9580, f/d "Parakeet" card and calendar in 77 days for aerogramme rpt. No rp. (Desrosiers-MA).

VLI6-Sydney, 6090, map card in 1 month. (Kusalik-ONT).

AUSTRIA: ORF, 6155, f/d "Phantasmagorical Landscape" card, sked and rpt form in 2 1/2 months. No rp. This is another "interesting" card, featuring one more "nudie cutie"! (Bishop-PA); f/d "Adam" card in 45 days. No rp. Bumper sticker sent several weeks before. (Neehan-CT): 9770, f/d card in 84 days. No rp. (Valko-PA): 15335, f/d "Lovers" card, bumper sticker, sked and rpt forms in 2 months for 2 IRC's. (Jakubowski-CH).

AZERBAIJAN SSR: R. Moscow via Baku, 21498, card in 1 month. (Barto-CT).

BELGIUM: BRTV, 6080, f/d card, brochure, travel booklet, sked, 4 postcards, pennant and a map of Belgium in 1 month for 1 IRC. (Goldstein-NY); f/d card, sked, pennant and "Mailbag" transcript in 27 days for a drawing of the BRTV Building by my 7-year old brother. (Gaffin-NY). It won't replace IRC's, Adam.

BELIZE: R. Belize, 3285, f/d yellow map card w/wrong freq (3300 kHz) in 13 days. No rp. (Ware-VA); same card w/o time, wrong freq, in 22 days for 1 IRC. (House-AZ); same in 31 days for 1 IRC. (Alintuck-MA).

BENIN: La Voix de la Revolution, 4870, card in 2 months. (Barto-CT).

BRAZIL: R. Nacional, 11780, f/d card and sked in 45 days. No rp. (Alintuck-PA); same in 56 days for 2 IRC's. (Alm-BC).

R. Pioneira de Teresina, 5015, letter in 2 months for FF rpt. V/s Pedro Mendes Ribeiro, Director Artístico. (Barto-CT).

BULGARIA: R. Sofia, 9700, f/d "Ohrid Clement" card w/no freq or time and rpt forms in 62 days. No rp. (Quraishi-SASK); f/d "Sofia U" card in 58 days. No rp. (Valko-PA); same card, sked and rpt forms in 32 days for mint stamps. (Ware-VA).

BURUNDI: R. Cordoc, 4900, f/d card in 13 months, 4 months after f/up for Canadian \$1.00, used stamps, postcard and Christmas card. (Kusalik-ONT).

CANADA: CFRX-Toronto, 6005, card w/o time in 15 days for 1 IRC. (Dubrick-IL)
CHNX-Halifax, 6130, plain white cards and station fact sheets in 8 days. No rp. (Troster-ONT); in 8 days for 20¢ in Canadian coin. (Alintuck-MA) in 2 weeks for 1 IRC. (Caruso-IL); in 9 days. No rp. (Brooker-ONT).

CHU, 3330, "Sir Sanford Fleming" card in 21 days. No rp. (House-AZ).
CHINA: R. Peking, 11945, f/d "Workers" card, sked and promise of mags in 25 days for 1 IRC. (Clark-IN); f/d "Yao Mts." card, sked and color brochure in 20 days. No rp. (Goldstein-NY).
COOK IS: R. Cook is, 3265/5045, 3 different "Barotonga Scenes" cards, all typed f/d postcards with handwritten statements apologizing for the long delay. This was in direct response to RNZ Overseas Liaison Officer Mr. J.S. McLeod who contacted R. Cook Is, asking for a prompt reply to my rpts. My QSL's were for my original, perhaps the only, reception world-wide of 3265 kHz, March 22, 1976 and of 5045 kHz, December 4 and 6, 1976. Country #204 after 5 rpts to them, many IRC's, stamps, etc! It paid off! (Young-CA).
COSTA RICA: R. Casino, 5954, f/d card and pennant in 4 weeks for 2 IRC's. (Jakubowski-OH); same in 56 days for 1 IRC. (House-AZ).
COLOMBIA: R. Meridiano 70, 4925, letter in 1 month for SS rpt and mint stamps. V/s Luis Casteneda Perez, Director. (Sparks-CA).
 Ecos del Combeima, 4875, form letter, personal letter and band notes in 3 months for SS rpt and mint stamps. V/s Alfonso Tovar. (Sparks-CA).
 R. Cinco, 5040, letter and Christmas card in 12 weeks for SS rpt and mint stamps. V/s Jairo A. Agudelo G. (Sparks-CA).
 R. Super, 6065, f/d "Bogata Info" card and 2 large window stickers in 17 days for mint stamps. (Caruso-IL).
CUBA: RHC, 11725, f/d card in 8 months. No rp. (Miller-PA): 17885, QSL card, letter and 15th Anniversary booklet in 73 days for 2 IRC's. (Colacarro-MA).
CZECHOSLOVAKIA: R. Prague, 5930, f/d "Trotsky Castle" card, sked and Club info in 71 days for 1 IRC. "Czechoslovak Life" mags came 3 weeks later. (Zajda-MA): 9540, f/d "30th Anniversary of Liberation" card, booklet on RP, contest details and slides of the Prague Zoo in 47 days for SS rpt on LAM Svc. No rp. (Gaffin-NY): 5930/7345, f/d cards and First Day Cover stamps in 76 days for 1 IRC. (Rockwood-OH).

Guinea-Bissau QSL

from

John Herkimer



Q. S. L.

CONFIRMAÇÃO OFICIAL DE RECEPÇÃO
 VERIFICATION OFFICIELLE DE RECEPTION
 OFFICIAL VERIFICATION OF RECEPTION

Agradecemos e confirmamos as vossas informações

Nous remercions et confirmons vos informations
 We gratefully acknowledge and correct your report

De escuta da nossa emissão do dia

Au sujet de notre émission de
 Concerning our broadcasting of

31 / 5 / 1976

Na frequência de

Dans la fréquence de
 In the frequency of

5041 Kcs.

Bissau, 4 / 4 / 19 77

TIBÚRCIO RIBEIRO DA MOURA

DENMARK: R. Denmark, 15165, f/d "Radiohouse" card in 21 days for EE rpt on EE ID on Danish xmsn and 1 IRC. (Ward-NB).
DOMINICAN REP: R. Clarin, 11700, SS letter in 85 days for SS aerogramme rpt. No rp. (George-TX); same with date and inspecific freq in 71 days for EE aerogramme rpt. (Sarrazin-CO).
ECUADOR: R. Federacion, 4960, letter in 7 weeks for SS rpt and mint stamps. (Sparks-CA).
 HCJB, 11915, f/d "Fifo" card, sked and religious material in 22 days. (Swanson-IA): 9560, #2 and #3 "Antenna" cards in 27 days for 40¢ in stamps. (Meehan-CT): 6095, f/d card, pennant, info in 22 days. (Sciaccia-CA).
EGYPT: R. Cairo, 9805, f/d "First Scene" card in 44 days. No rp. (Valko-PA).
ENGLAND: BBC, 12095, no-data card and skeds in 33 days for 1 IRC. (Fraser-MA): 9850, card in 51 days for 1 IRC. (Sciaccia-CA).
 ABC England, 6270, f/d card in 23 days. No rp. 40 watts! Wow! I'm tickled pink! (Muick-PA).
 VOA-Woofferton, 7325, date-only card in 50 days. No rp. (Alm-BC): 7200, card w/o date in 7 days. No rp. (House-AZ).

ETHIOPIA: ETLF, 15365, f/d card, sked, pennant and letter saying they got my rpt long ago but are behind in answering because they were taken over by the government. Received in 115 days for 1 IRC, used stamps and postcard. I wonder if I got one of their last QSL's! (Troster-CNT); same in 93 days for 1 IRC. (Dammeyer-NY). Thanks for the copy of the letter, Henry, weo.

EUROPEAN RSFSR: R. Moscow, 11800, card in 1 month. (Barto-CT): 15140, f/d card in 39 days with RNDX Club info. No rp. (Ottaway-GC): 7350, f/d "Kremlin" card and "Mailbag" notice in 33 days. No rp. (Fraser-MA): 5940, f/d card and sked in 38 days. No rp. (Delong-PA): 9530, f/d "Kremlin Prospekt" card, sked, rpt form and Thank You note in 284 days for 3 IRC's and 1 f/up. (J. Smith-NY) You probably confused them, Jim. When you send 3 IRC's, they think you're trying to buy the station! weo. 17765, f/d "Space Monument" card in 50 days for EE aerogramme rpt on African Svc. I asked for site, but it wasn't listed. (George-TX): 7200/7350, 2 f/d cards, rpt form and letter in 1 month. Lpts were hand-carried to Moscow and back by a friend. (Rockwood-GE). He should have asked for the sites, Henry, weo. Transmitter sites: R. Moscow via Tula, 17765/9610; via Riazan, 5920, cards in 1 month. (Barto-CT, Kusalik-CNT).

Radio Station Peace & Progress, 15490/11950, cards in 6 weeks. (Barto-CT): 9730, "Flower" card w/meter band in 4 months. No rp. (Caruso-IL): 25 meter band, same card in 20 days. No rp. (Mikell-IL); orange "RSF&P Logo" card in 23 days for 2 IRC's. (Zajda-MA).

FINLAND: R. Finland, 15110, f/d "Spring" card and pennant in 25 days for mint stamps. (Hoffman-PA); same card, sked, questionnaire and "Hear Finland" in 43 days for 1 IRC. (Fraser-MA); same in 44 days. No rp. (Brocker-CNT): 15265, same f/d card with freq listed as 15260 kHz (same error as in April LK) in 39 days. No rp. (Noonan-WI).

FRANCE: RFI, 11705, f/d "Notre Dame" card, plastic pennant and skeds in 28 days. No rp. (Ware-VA): 11930, "Eiffel Tower" card w/o freq in 51 days for a bumper sticker sent w/rpt on FF xmsn. No rp. (Hall-NY): 15200, f/d "Chateau de Champard" card, pennant, sked and calendar in 20 days for 3 IRC's. (George-TX): f/d "Palace" card in 20 days. No rp. (Delong-PA): 15300, f/d "Coulours et Lumiere de France" card, sked and pennant in 24 days for 1 IRC. (Hoffman-PA): 15425, f/d "L'île de la Cité" card in 32 days for 2 IRC's. (Leincent-CA)

GERMANY (E): RFI, 6080, f/d "Ruins" card, sked and letter in 1 month for 1 IRC. Pennant promised later separately. (Gillings-NY): 15145, f/d "Children with Lanterns" card, letter, RFI Journal in 41 days for 2 IRC's. (Zajda-MA); f/d "10 Year RFI DX Club" card, RFI Journal, pin in 38 days. (Brocker-CNT).

GERMANY (W): Deutsche Welle, 9545, no-data QSL in 209 days. No rp. (Alm-EG): 6100, no-data card and "Hallo Friends" in 3 weeks. No rp. (Schulman-NY). Bayerischer Rundfunk, 6085, "Saxophone" card w/o time in 40 days. No rp. (Bishop-PA). Sender Freies Berlin, 6190, map card w/o time in 34 days. No rp. (Bishop-PA). Sudddeutscher Rundfunk, 6030, yellow card w/o time in 36 days. No rp. (Bishop-PA). Sudwestfunk, 7265, f/d "Strange Ear" card in 43 days for a 50 pfennig mint stamp. My 5W GG regional! (Bishop-PA). VOA-Munich, 3980, card w/o time and a VOA bumper sticker in 5 weeks. No rp. (Kusalik-CNT).

R. Liberty, 9555, f/d "Mike/Antenna/Map" card in 41 days for rpt sent to Munich. No rp. (Gaffin-NY): 17725, same card with site in 35 days. No rp. (Hermann-CNT).

GERMANY (W. BERLIN): RIAS, 6005, f/d card and personal verie letter w/data and sked in GG in 78 days for 2 IRC's and used stamps. (Kusalik-CNT).

GREECE: V. of Greece, 9700, CRT card in 36 days for 1 IRC. (Hermann-CNT); plain white card in 33 days. No rp. (Troster-CNT).

VOA-Kavala, 5955, date-only card in 31 days. No rp. (Noonan-WI).

GREENLAND: Gronlands Radio, 5980, folder card with date in 1 month for EE rpt and 1 IRC. (Gower-IL): 3999, same in 22 days for 2 IRC's and used stamps. (Kusalik-CNT).

GRENADA: R. Grenada, 15105, f/d "Sked" card w/power as 5000 watts received in 7 weeks for 2 IRC's and a picture of frozen Lake Erie. (Jakubowski-CN); in 41 days for 2 IRC's. (Troster-CNT); in 51 days for 1 IRC. (Alintuck-MA); in 3 1/2 months for 1 IRC. (Dubrick-IL); in 270 days for 2 IRC's. (Neehan-CT).

GUATEMALA: R. Maya, 3325, f/d "Warrior" card with personal note on back in 1 month for SS rpt on SS xmsn and 1 IRC. (DeRoy-NE); same in 24 days for SS rpt. No rp. (Mikell-IL).

GUINEA: La Voix de la Revolution, 7125, f/d form letter in 43 days for FF rpt on FF xmsn. No rp. (Gionet-NB).

GUINEA-BISSAU: R. Bissau, 4780, It never rains but it pours as the saying

goes. Green EE/FF/PP cards w/o time and most reported with wrong freq (5041 kHz) received as follows. In 4 weeks. No rp. (Schulman-NY); in 75 days. No rp. (Bishop-PA); in 24 days for 2 IRC's and 2 color prints. My VIC #113! (Wiles-WV); in 30 days for 1 IRC. (Legge-VA); in 5½ months for EE rpt and 2 IRC's. (Gower-IL); in 34 days for NASWA PP form. No rp. (Muick-PA); in 30 days for SS rpt and 1 IRC. (Hermann-ONT); in 39 days for NASWA PP rpt and 2 IRC's sent registered mail. (Ward-NB); in 349 days for EE/FF rpt on PP xmsn. (Gionet-NB); in 55 days for PP rpt and 2 IRC's on my 2nd try as previous rpt of May, 1976 went unanswered. Four days later I received a QSL for my first rpt on 5041 kHz which took a total of 11 months for a PP rpt and mint stamps. Both cards were postmarked the same day! (Herkimer-NY).

from
AARON
HYWARREN

and

SAM
BARTO

LESOTHO



LESOTHO NATIONAL BROADCASTING SERVICE

THE VOICE OF LESOTHO

HAITI: 4VEH, 9770, f/d "Control Room Scene" card in 100 days. No rp. V/s Loretta Vittoria. (Ware-VA); same in 88 days. No rp. (Stauner-WI); same in 125 days for new/used stamps. (Sarrazin-CO); 11835, same in 3 months for 2 IRC's. (Luce-TX); same in 102 days for 1 IRC. (Brooker-ONT).

HAWAII: WVVH, 15000, folder card in 10 days. No rp. (DeLong-PA).

HONDURAS: R. Progreso, 4920, f/d letter in 20 days for SS rpt and 1 IRC. (House-AZ).

HRVC, 4820, f/d red/white/blue map card in 25 days for 1 IRC. (Rojewski-WA); same in 29 days for 2 IRC's. (Hermann-ONT).

from
SAM
BARTO

and

AARON
HYWARREN

RADIO MAURITANIE



ICI NOUAKCHOTT



- INDIA:** AIR-Aligarh, 11810, date-only card in 3 $\frac{1}{2}$ months. No rp. (DeRoy-ME).
- INDONESIA:** RRI-Gorontalo, 3205, Indo letter in 5 weeks for Indo rpt form and mint stamps. V/s Saleh S. Thalib, Kepala Bagian Teknik. (Sparks-GA).
- IRAN:** V. of Iran, 9022, f/d "Kerman TV" card, pennant and mint stamps in 58 days for 2 IRC's. (Zajda-MA); f/d "Shiraz TV" card, etc. in 5 weeks for 2 IRC's. (Jakubowski-OH); f/d "Zahedan TV" card, etc. in 1 month for 1 IRC. (Goldstein-NY).
- NIRTV,** 15084, f/d "Emtr Complex" card and pennant for 1 IRC and tape rpt on Parsi xmsn in 22 days. (Kojewski-MA).
- IRAQ:** R. Baghdad, 9745, f/d "Chrine/Map" card, sked and cardboard emblem in 60 days. No rp. (Ltauner-I); same in 76 days for EE rpt and 2 IRC's sent by registered mail. (Ward-NE); same in 57 days. No rp. (Valko-PA).
- ISRAEL:** IBA, 7412, f/d "Golden City" card, letter and rpt forms in 52 days. No rp. (Hecklively-SD); 5900, same in 49 days for 2 IRC's. (Zajda-MA); 5900/9355/9435/9815, same and pennant in 1 month. No rp. (Noonan-I).
- ITALY:** RAI, 6010, f/d "L'Aurora" card in 4 months for 1 IRC. (Noonan-I); same in 64 days. No rp. (Valko-PA).
- IVORY COAST:** R. Abidjan, 11920, f/d handwritten varie letter in 35 days for EE rpt and 2 IRC's. (Alm-BC). Nice, Ralph.
- JAPAN:** R. Japan, 9585, "Hakata Doll" or "Bamboo Grove" cards w/o time, rpt forms, skeds, NJ News and questionnaires received in 13 days for monthly log rpt. No rp. (Sciocco-GA); 15105, in 21 days for rpt form. No rp. (Lammeyer-NY); in 15 days. No rp. (Uraishi-SS); 15195, in 11 days for 1 IRC which was returned. (Clark-IE).
- JEN,** 5910, f/d JEL in 14 days on 2nd try. No rp. (Bishop-PA).
- JORDAN:** HKBS, 9560, f/d card and sked in 36 days for EE rpt and mint stamps. (Hall-NY); same in 4 weeks. No rp. (Bishop-PA).
- KOREA (N):** R. Pyongyang, 11535, f/d card, personal letter, questionnaire, mags, pennant, postcard and pin in 2 months for EE aerogramme rpt on KK xmsn. This was my 3rd try. (Herkimer-NY).
- KOREA (S):** KBS, 9720, blue pennant with f/d typed on it in 1 month. No rp. (Ottaway-CC).
- KUWAIT:** R. Kuwait, 12085, f/d card in 32 days. No rp. (Valko-PA); same with sked in 46 days for 2 IRC's. (Zajda-MA); 9580, same in 36 days for 1 IRC and rpt sent registered mail. (Ward-NE).
- LATVIAN SSR:** R. Riga, 5935, f/d "Couple in Traditional Costume" card and beautiful pennant in 101 days for EE rpt on Latvian xmsn. No rp. Thanks to Roger Legge for the tip! (Gionet-NE).
- LIBERIA:** ELWA, 11945, f/d card, sked and religious info in 54 days for 2 IRC's. (Feehan-CT).
- VOA-Monrovia,** 7280, card w/date only in 50 days. No rp. (Alm-BC); card in 30 days. No rp. (Luce-TX); 7195, card w/o date in 7 days. (House-AZ); 6035, f/d card and brochure/skeds in 5 days. No rp. (Goldstein-NY).
- LIBYA:** Peoples' Revolution Broadcasting, 6185, friendly letter from B. Buzed saying that they were glad to verify my rpt received in 81 days for rpt on AA xmsn and mint stamps. (Hall-NY).
- LITHUANIAN SSR:** R. Vilnius, 7150, f/d card and sked in 42 days. No rp. (Ward-NE); f/d card, sked and contest info in 66 days. No rp. (Troster-CMT); 15100, f/d card and pennant in 37 days. No rp. (House-AE); 7320/7290, "Clouds and Cathedral" card in 5 $\frac{1}{2}$ months. No rp. There was also a pleasant letter from RV Editor L. Biskauskas thanking me for my questions which had been aired before the letter arrived. (Dubrick-IL).
- LUXEMBOURG:** R. Luxembourg, 6090, f/d card in 80 days for 3 IRC's. (Ward-NE).
- MALAGASY REP:** R. Nederland Melay, 11730, f/d "Harry van Gelder" card in 11 days for 1 IRC. (Goldstein-NY); same in 12 days. No rp. (House-AZ).
- MALAWI:** MBC, 3380, f/d blue form letter with sked stapled to it in 3 months for 2 IRC's and photo. My first rpt with mint stamps went unanswered. VIC #130! (Herkimer-NY). Nice catch, John. Was that a photo of you? vec.
- MALAYSIA:** R. Malaysia, 6175/9665, f/d folder card in 48 days. No rp. V/s Teoh Cheow Soo. (Kusalik-CMT).
- MALTA:** IBRA, 6080, f/d map card, sked and pennant in 32 days for 1 IRC. (Gaffin-NY); f/d letter and Maltese Hotel and Tourist mag in 77 days. No rp. (Hall-NY).
- MARTINIQUE:** FR3, 3315, f/d "Beach Scene" card in 204 days for FF rpt. I gave up on this one! (Hall-NY); same card w/o time in 6 $\frac{1}{2}$ months for FF rpt and 1 IRC. (Gaffin-NY).
- MONGOLIA:** R. Ulan Bator, 5053, f/d blue/gold/white card, sked and plastic pennant in 87 days for EE rpt, 2 IRC's and used stamps. (Kusalik-CMT).
- MOROCCO:** Rdiff-TV Marocaine, 15125, no-data "Chime Power" card and Thank You note in 43 days for FF rpt and 2 IRC's. (Kusalik-CMT).

NETHERLANDS: R. Nederland, 9715, f/d "DX Staff Photo" card in 37 days after T/up letter. No rp. Card was slightly mutilated on arrival. (Desrosiers-MA): 11730, same card in 13 days for 1 IRC. (Blankenship-WV); f/d "Tom Meyer" card and postcard in 22 days. No rp. (Alm-BC): 9895, f/d "Harry van Gelder" card in 7 days for 1 IRC. (Kusalik-ONT).

NETHERLANDS ANTILLES: R. Nederland Relay, 6165, "DX Hosts" card in 47 days. No rp. (Mikell-IL); card in 23 days. No rp. (Luce-TX); "Happy Station" card in 46 days. No rp. (Desrosiers-MA).

TWR, 11925, f/d "PJB" folder card, sked, sticker and religious info in 12 days for 1 IRC. (Blankenship-WV).

NEW ZEALAND: RNZ, 6105, f/d "Scenic" card in 18 days for mint stamps. (Hoffman-PA): 11705, same card, sked, pennant, personal verie letter in 34 days for 2 IRC's. (Troster-CNT): 15130, same card, sked in 15 days for 1 IRC. Almost restores my faith in our Post Office! (Brooker-ONT); f/d "Sulfur Springs" card, sked and nice letter in 22 days for 2 IRC's. (Meehan-CT).

NIGERIA: V. of Nigeria, 7255, f/d card and info in 3 weeks. (Sillings-NY): 7275, f/d "Flag" card, sked and booklet in 23 days for EE rpt and tape on EE/AA xmsn. No rp. (Heckenlively-SD).

NBC-Benin City, 4932, f/d mimeo letter in 3 weeks for EE aerogramme rpt. V/s Kunle Oyegbola. (Herkimer-NY).

NBC-Ikrodu, 15185, f/d card in 22 days. No rp. (Hermann-ONT).
NBC-Sogunle, 4990, f/d letter stating that Sogunle is 4990, not 4900 as reported, and 20th Anniversary of R. Nigeria mag and sked in 50 days for 2 IRC's which were returned. (Kusalik-ONT). They said that, Ed. They went just a little off freq, they reported, when they changed power. weo

NBC-Jos, 5965, f/d verie letter in 50 days for 2 IRC's which were returned. (Kusalik-ONT).

NORWAY: R. Norway, 9645, f/d "Mountain Road" card, "Facts About Norway" booklet, NRK bulletin, sked in 20 days for 2 IRC's. (Blankenship-WV); same in 19 days. No rp. (Uraishi-SASK): 15175, same card, pennant in 13 days for 1 IRC. (Hoffman-PA); f/d "Winter" card, pamphlets in 48 days. No rp. (J. Smith-NY); f/d card, other info in 20 days. No rp. (Ottaway-CO).

RADIO TASHKENT



from

JON
COHEN

RADIO TASHKENT

PAKISTAN: R. Pakistan, 7085, f/d "Lahore Monument" card in 66 days for EE rpt and 1 IRC which was returned. (Gionet-NB).

PAPUA NEW GUINEA: NBC, 4890, f/d map card in 42 days for 3 IRC's and post-card, (Hall-NY); same in 34 days for 2 IRC's. (Kusalik-ONT): 4820, same in 37 days for 1 IRC. (Cohen-NJ).

PHILIPPINES: FEBC, 15440, f/d "Staff Photo" card in 34 days for 1 IRC. (Cohen-NJ); same card, sked, questionnaire, religious tract in 42 days for mint stamps. (Gaffin-NY); f/d map card and religious info in 40 days plus skeds which arrived 2 weeks earlier. No rp. (Schulman-NY).

VOA-Tinang, 15290, f/d card in 5 days. No rp. (Ware-VA); f/d card in 1 week. No rp. (Herkimer-NY).

PORTUGAL: R. Portugal, 6025, f/d "Covilha Tourist" card, pennant and Listeners Club Certificate for 5 rpts in 19 days. No rp. (Meehan-CT).

IBRA, 9670, f/d card, sked and religious info in 71 days for 1 IRC. (Kusalik-CNT).

Radio Free Europe, 15115, blue/white multilingual card with site in 30 days for rpt sent to Germany address. No rp. (Hoffman-FA); same card with site in 38 days. No rp. (Hermann-CNT).

from

PITT
McNEIL



His Majesty's Government
Department of Broadcasting
RADIO NEPAL

Singha Durbar
Kathmandu,
Nepal.

Dear Sir,

Many thanks for your reception report.

I am pleased to confirm that your report was correct.

Date of reception *17. Jan. 1976*

Frequency *3.425. kHz*

Time *12.11.1229. G.M.T.*

Yours sincerely

(K. B. Khatri, C. Eng.)
Deputy Director-General

RHODESIA: RBC, 3396, large QSL card in 2 weeks. No rp. (H. Smith-CH).
ROMANIA: R. Bucharest, 11940, f/d card, sked, letter and club info in 35 days. No rp. (Ware-VA); 5990, f/d "Victory Street" card in 3 months. No rp. (Caruso-IL); 9570, f/d "UN Square" card in 145 days. No rp. I received a tape of folk music 22 days earlier. (Hecklenlively-SD).
RYUKYU IS: VOA-Okinawa, 7185, f/d card in 3 days. No rp. (Ware-VA); in 1 week. (Rockwood-CH); 4th no-site card after 4th rpt with request for site, none in less than 8 to 12 weeks!!! What's the secret? (Seltzer-CNT).
SAO TOME: R. Nacional, 4807, card w/o time in 4th months for EE rpt. No rp. (Muick-FA).
SARAWAK: R. Malaysia Sarawak, 4950, f/d card in 21 days for 2 IRC's. (Cttaway-CC; Rojewski-WA).
SEYCHELLES: FEBA, 9700, f/d card meter band sked and religious info in 1 month for 3 IRC's. A very nice verifier. (DeRoy-ME). But expensive! 11845, f/d orange map card, sked and pamphlet in 22 days for 3 IRC's. (Hall-NY).
SIERRA LEONE: SLBS, 3316, aerogramme QSL letter with verie statement in 33 days. No rp. (Ware-VA).
SOLOMON IS: SIBS, 5020, f/d card in 15 days for 2 IRC's. (House-AZ).
SOUTH AFRICA: R. RSA, 9585, f/d "Giant Protes Flower" card, sked and color brochure in 22 days for 1 IRC. (Clark-IN).
SABC, 4810, f/d "Industrial Montage" card in 18 days for mint stamps. (Hoffman-FA); same in 2 weeks for 2 IRC's. (Sillings-NY).
SPAIN: RTVE, 11880, f/d card, sked and 5 rpt cards in 24 days for 1 IRC. (Clark-IN); same in 28 days for 1 IRC. (Goldstein-NY); 6065, same with promise of more info in 18 days for 1 IRC and 2 mint stamps. (J. Smith-NY).
SUDAN: R. Omdurman, 11835, date-only verie letter in 48 days for EE rpt on AA xmsn and postcards. V/s Ali Mali. African VIC #40! (Gionet-EB).
SWAZILAND: TWR, 4760, f/d folder card in 1 month for tape rpt on Afrikaans xmsn and 2 IRC's. (Cttaway-CC); 9590, same in 1 month. (H. Smith-CH).
SWEDEN: R. Sweden, 6120, f/d map card and sked in 19 days for 1 IRC and 2 mint stamps. (J. Smith-NY); 6035, same with booklet in 11 days for 2 IRC's. (Goldstein-NY); 6045, same with pennant and small flag in 22 days for 2 IRC's. (Blankenship-WV).
SWITZERLAND: SEC, 5965, f/d "Two Bobs" card and sticker in 38 days. No rp. (Noonan-WI); 9535, same card in 5 weeks for 2 IRC's. I asked for sked, didn't get any. (Goldstein-NY); 6135, same card and note saying sked and sticker were on the way received in 48 days for 2 IRC's. (Blankenship-WV).
Red Cross Broadcasting Svc, 7210, "Earphones on Globe" card w/o time in 27 days for FF rpt. No rp. (Gionet-EB); same in 17 days for 1 IRC. (Alintuck-MA); same in 1 month. No rp. (H. Smith-NY).
TADZHIK SSR: R. Moscow via Dushanbe, 7135, f/d card in 47 days for EE rpt

and a copy of an earlier rpt which was again verified as "Simferopol" which they may have used in November, 1976. (Gionet-NB).
TAIWAN: V. of Free China, 15425, f/d card in 1 1/2 months. No rp. (Ottaway-CO).
TOGO: R. Togo, 5047, f/d map card in 20 days for EE rpt and mint stamps. (Caruso-IL): 3220, f/d white/green/red card w/call and cities and sked on the back in 29 days for FF rpt, mint stamps and used stamps. (Kusalik-ONT).
TURKEY: V. of Turkey, 9515, f/d "Turkish Carpet" cards, skeds and pennants received in 50 days for 2 IRC's. (Ottaway-CO); in 63 days. No rp. (Schatten-MI); in 38 days for 3 IRC's. (Zajda-MA); in 32 days for 1 IRC. (Dammeyer-NY) in 56 days w/tourist info. No rp. (Quraishi-SASK): "Mosque" card and pamphlet on Istanbul in 1 month. No rp. (Caruso-IL).

Turkish State Meteorological Svc, 6900, EE verie letter in 25 days for 2 IRC's. (Bishop-PA).
UGANDA: UBC, 9730, form letter w/o time in 143 days for 3 IRC's. (Noonan-WI)
UKRAINIAN SSR: R. Kiev, 7150, f/d "St. Sophia's Cathedral", sked, rpt cards, questionnaire and "News from Ukraine" in 39 days. No rp. (Fraser-MA): 7400/7215/7150, f/d cards, pennant, pocket calendar and "News" in 38 days. No rp. (Hall-NY).

R. Moscow via Simferopol, 17855: via Vinnitsa, 15170, cards in 1 month for African Svc rpt. (Barto-CT). Via Vinnitsa, 5940/7135: via Ivano-Frankovsk, 7115, f/d cards in 23 days. No rp. (Mayer-IL).
UNITED STATES: VOA-Greenville, 11760, f/d card in 7 days. No rp. (George-TX): 6130, f/d card and sked in 5 days. No rp. (Blankenship-WV).
 AFRTS-Greenville, 11790, f/d card in 15 days. No rp. (Ward-NB).
 AFRTS-Dixon, 15330, card in 2 months. No rp. (Luce-TX).
 AFRTS-Bethany, 6030, f/d card in 6 days. No rp. (Blankenship-WV); in 13 days. (Sillings-WY); in 5 days. No rp. (Ware-VA).
 WYFR, 17845, f/d "Mika" card, letter, calendar and sked in 14 days. No rp. (George-TX); same in 3 weeks for 13¢ stamp. (H. Smith-OH).
 KGEI, 5980, f/d "San Francisco" card, pennant and letter stating that they have always accepted rpts from anywhere in the world, not just target areas, in 59 days. (Hall-NY).

United Nations Radio, 6055, f/d card in 95 days. No rp. (Valko-PA).
UZBEK SSR: R. Tashkent, 9600, f/d card and postcard in 75 days. No rp. (Caruso-IL); same with sked in 44 days. No rp. (Bishop-PA).
VATICAN: Vatican Radio, 5995, f/d card in 27 days. No rp. (DeLong-PA).
VENEZUELA: Ecos del Torbes, 4980, no-data verie letter in 8 months. No rp. (Noonan-WI); date-only letter in 96 days for SS rpt. (Hall-NY).
 R. Juventud, 4900, "Dancers" card w/o time in 44 days for SS rpt and 1 IRC. (Gaffin-NY); same in 25 days for Gilfer tri-lingual rpt and mint stamps. (Stauner-WI).
 R. Impacto, 3355, picture postcard in 11 months for SS rpt and mint stamps. (Sparks-CA).

YVTO, 6100, card w/o time in 6 weeks for cassette tape and 1 IRC. (Jakubowski-OH); same in 2 months for EE rpt and 1 IRC. (DeRoy-ME); same with a personal business card listing phone numbers in 3 months for 3rd SS rpt and mint stamps. (Caruso-IL). Call after 5:00 pm, Jim. It's cheaper.
YEMEN ARAB REP: R. San'a, 7300, f/d form letter in 18 months for 2 IRC's and EE rpt on AA xmsn. They included an apology for the delay. (Rockwood-OH).
ZAIRE: La Voix du Zaire, 15245, form letter with data and sked in 54 days for FF rpt and 1 IRC. (Hermann-ONT); date only FF letter in 3 months for used stamps, 2 IRC's and a FF rpt written by my FF teacher. Thanks to Sam Barto for his help in getting this verie. (Troster-ONT). And the FF teacher!

Anyone interested in collecting pennants should have "The Pennant Collector's Guide" by Harold Sellers of the Ontario DX Association. This is now in its 6th edition and contains a listing of SW stations sending pennants and tips on receiving them. Price is 40¢ or 2 IRC's. Address is:

Harold Sellers
 603-29 Church St.
 Weston Post Office
 Toronto, Ontario
 Canada M9N 1M5

And Polish Radio has been coming in nicely on 11815 kHz! Go get 'em!
 Deadline for July issue: June 11.
 Deadline for August issue: July 16. *Bill*

HELPING HAND:

CB Transceiver -Model C-22, brand name, KNIGHT, Mfr, Allied Radio Corp. Also, Model 561 combination AF & RF Signal Generator, Serial No. 2214, mfr by Supreme Instruments Corp of Greenwood, MI. need schematics and/or wiring diagrams for the above. Notify of cost and availability to: Al Fryou, 3735 Fairmont DR. New Orleans, LA 70122.

log report section



Daniel A. Robinson, EDITOR
44 Spring Valley Rd.
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1605-4900

JUNE 1977

.....DEADLINE 12th of month to Greg Ravenhorst
.....

A sharp drop in the number of reporters this month indicates that the summer season is upon us - everyone will be fleeing to the higher frequencies. There have, however, been past summers when many excellent African stations have appeared in the IR-A range, so don't forsake the lower frequencies altogether. . .

- 2200 CHINA Fujien; Hear well at 1400, the lowest freq SWEC stn I've hrd (Willis-AUS)
2425 RHODESIA RBC; 0350-0400 M w/tlk and into EE mx after 0400 ID, much QSB - // 3306 hrd but 2336 not hrd (Mayer 5/3)
2430 CHINA PLA-Fuzhou; 1300 in CC lang tk, good sigs (Willis-AUS)
2460 CHINA HS program hrd fairly at 1225 (Willis-AUS)
2475 CHINA Zhejiang; 1243 in CC tk by M (Bryan 4/24)
2490 CHINA Fuzhou; PLA-1 in CC tk at 1249 by M (Bryan 4/24)
2510 S. KOREA Taegu; 1254 M&W in KK tk, and mx (Bryan 4/24)
2600 CHINA PLA-1; Good level at 1300 (Willis/Cosier-AUS) 1311 M&W in CC tk (Bryan)
2695 N. KOREA Chongjin; 1318 in KK conversation between M&W (Bryan 4/21)
2745 N. KOREA Sinaju; 1324 KK, semi-classical mx, M in tk (Bryan 4/21)
2765 N. KOREA Pyongyang; 1329 KK, M w/tlks and KK mx (Bryan 4/21)
2850 N. KOREA Pyongyang; 1340 M in KK tlks (Bryan 4/21)
3000 CHINA PLA-1; Fuzhou hrd 1302 in CC tk by M&W, mx (Bryan 4/24)
3015 N. KOREA Pyongyang; 1311 tk by M in KK (Bryan 4/24)
3032 N. KOREA Wonsan; 1314 KK tk by M (Bryan 4/24)
3200 CHINA Fuzhou; PLA-2 1318 in CC, tk by W, mx (Bryan 4/24)
3204 NIGERIA NBC-Ibadan; 0545 in EE, W w/pop mx program (Bishop 5/3)
3210 MOZAMBIQUE RM; 0350 in PP tlks, local and pop mx, ID and mx at 0400 (Bishop 4/10)
3215 CELEBES RRI-Ujung Pandang; 1325 Indo, Strauss walts (Bryan 4/24)
3227 LIBERIA ELWA; 0615-0625 in lang (possibly Hausa), mx in local lang, M in fast tk, EE ID 0618 (Dubrick 4/25)
3230 TAIWAN VOFC; 1329 in CC tk by W (Bryan 4/24)
3260 CHINA Guizhou; 1332 in CC tk by M (Bryan 4/24)
3280 ECUADOR LV del Napo; Hrd for first time at 1037 with ID, good level (Willis-AUS)
3285 BRAZIL R. Olinda; 0102-0110 in PP; no sign of Belize except HET; typical tk and Brazilian mx--orchestral and some ballads, E-(Earhart 4/9)
3290 CHINA RP; 1330 in CC tk by M and W (Bryan 4/24)
3295 VENEZUELA R. Trujillo; 1100 at good level (Willis/Cosier-AUS)
3300 GUATEMALA IGNA; 0259 EE rel. tlks and hymns (Alintuck 4/8) 0340 EE rel. px (Bolithe 4/8)
3306 RHODESIA RBC; 0417-0420 in vern w/mixed native music (Schipelliti 4/25)
3310 CHINA Jilin; well heard prior to 1000 (Willis/Cosier-AUS)
3316 SIERRA LEONE SLBS; 0010-0030* in EE rel. sermon (Mayer 3/27) 2352-0015* with rel program, short musical piece before s/off; CC until 0022 (Earhart 4/9) 2110 w/tlk by M in African lang, fist time noted this IX season (Padula 4/18) Good IX to you Bob.
3325 GUATEMALA R Maya de Barillas; 0335* in SS with "east listening" mx, W anor with ID and freqs (Jones 4/11)
3325 UNID; Latin station here at 0600, guess Ecuador; things look good for our Latin season for level on this one was good (Willis-AUS) If the Ecuadorian, Mike, certainly a good catch--they have been known to vary from WRH sked 0300*--IR
3330 UNID; FF stn here, barely audible fm 0350-0430*; no ID heard but believe them to be Rwanda w/mostly just tk (Bishop 4/17-4/24)
3345 BRAZIL R Ed Uberlandia; 0110-0120 in PP, ID 0115, Brazilian mx (Mayer 3/27)
3350t PERU R. Independencia; 0337 in SS, station here surfaced under UTES w/LA and Andean style mx, no ID hrd (Bishop 4/13)
3360 CHINA RP; Taiwan service here at 1030, always a good signal (Willis-AUS)
3366 GHANA GBC; 2247-2300* EE, mx, ID w/meter bands (Alintuck 4/7) 0600-0610 EE ID and mx w/UTE QRM (Dubrick 4/25, Grenier 5/1)

- 3380 MALAWI MEC; 0310 in Chichewa with chorals, possible EE TC's (Mayer 4/4) 0337-0346 in EE/Chichewa native w/drums, M in tlk (Hobbs 4/9)
- 3380 ECUADOR R Iris; 1120 and also at 0600 (Willis/Cosier-AUS) Algunos detalles??
- 3390 ECUADOR R Zeraoay; 0330 in SS, LA w/ and amts, ID (Alexander 4/8)
- 3396 BROGESTA RBC; 0420-0425 in EE, TC's, w/, "Tetley Tea Bag Commercial" (Schipelliti 4/25)
- 3400 CHINA PLA-2 Fushou; 1342 in CC with classical w/ (Bryan 4/24)
- 3535 CHINA PLA-1 Fushou; 1347 with W in CC tlk, w/ (Bryan 4/24)
- 3560 N. KOREA Pyongyang; 1350 in EE with KK w/ (Bryan 4/24) Listed for SSB on 3560-DR
- 3640 CHINA PLA-1 Fushou; 1354 in CC tlk by M and W, w/ (Bryan 4/24)
- 3910 JAPAN FEN; 1150 in EE with pop w/ (Grenier 5/8)
- 3925 PAPUA NEW GUINEA MEC; 1030-1105 EE, lively w/ 1/4890 (Sherman 4/11)
- 3925 JAPAN HSB; 1405 in JJ w/two W in tlk (Bryan 4/24)
- 3930 CHINA Chifeng; 1100 with excellent signals (Willis/Cosier-AUS)
- 3970 GT BRITAIN BBC; Via longpath, unusual for April; WS for Europe 0625-0630 (Padula)
- 3980 SOUTH AFRICA SABC; 0145 in Afrikaans with nice MCR w/, a few amts (Hoffman)
- 3995 GERMANY (W) DW; 0125-0140 in GG, w/, w/, ARO GRM (Potisk 4/16)
- 4040 ASTATIC SSR Vladivostok; 0652 in RR, semi-classical w/, W ancr (Bryan 4/24)
- 4068 CHINA Huhehaote; fine level at 1600* (Willis-AUS)
- 4103 VIETNAM Viet Bac; 1346 in VV w/classical w/, W ancr (Bryan 4/21)
- 4106 VIETNAM Viet Bac; Hrd here 1400*-- don't mix up with stn just lately appearing on 4109; don't think latter is Viet Bac; regarding 6906, Viet Bac not there now, but could be 6934.6 (Willis-AUS)
- 4115 KOREA (N) V of Rev Reunification; 1351 in KK tlkby W (Bryan 4/21)
- 4120 KOREA (N) V of Rev Reunification; 1400-1430 w/ID "This is the Voice of the Rev. Party for Reunification" w/unusual short chime at s/on (Poppin 4/11)
- 4250 CHINA RP; 1400 in CC tlk by M and W, classical w/ (Bryan 4/21)
- 4330 CHINA PLA-1 Fushou; 1405 in CC, tlk by M&W (Bryan 4/21)
- 4420 USSR Kokchetav; listed 5 kW so am pleased to hear this as never hrd before; seemed like CC stn on top, more of a UTE (Willis-AUS) Time and program details?
- 4460 CHINA RP; 1253 in CC w/semi-classical and pop w/ (Bryan 4/26)
- 4485 ASTATIC SSR Petropavlovsk; 1412 in RR with classical w/, M ancr (Bryan 4/24)
- 4610 ASTATIC SSR Dzhabarovsk; 1257 in RR, classical w/, M ancr (Bryan 4/26)
- 4620 CHINA RP; 1306 W in tlk (Bryan 4/26) Lang is UNID-DR
- 4626 UNID; Indo stn hrd here to 1400* (same sign off time as 4605); good level and seemed RRI stn (Willis-AUS)
- 4680 ECUADOR R Nac Espejo; 0035 SS, ads, ID 0035 and into w/ (Hoffman 5/11) 0105 w/ID and tlk in SS (Jones 5/4) 0413 SS, Ecuadorian w/, M ancr (Bryan 4/24) 0545-0555 w/ID's, M intro to w/ selections, LA w/, TC's, sudden s/off 0555--possible Xatr trouble! (Trautschold 4/15)
- 4696 BOLIVIA R Riberalta; 0342-0355 SS, classical w/, ID 0045 (Mayer 5/3)
- 4719 SULAWESI RRI-Ujung Pandang; 1315 in Indo, W in tlks (Bryan 4/26)
- 4725 BURMA RBS; 1317 in Burmese, M w/ (Bryan 4/26)
- 4760 SWAZILAND TWR; 0455 in Afrikaans and rel. program (Bryan 4/24) 0440-0502 in wss GG; M in tlk, hymn, fair signal with fading (Bogel 4/9)
- 4760 CHINA Kunming; 1325 W in CC tlk (Bryan 4/26)
- 4755 COLOMBIA Em Nuevo Mundo; 0000 SS, w/, amts, w/ and ID's for Radio CARACOL (Tannerwald 4/30) 0315 SS, M w/ID and w/ (Bryan 4/25) 0605-0705 CARACOL net pgs of LA pop and classical w/, M in tlk, many ID's but none for Em Nuevo Mundo (Trautschold 3/31, Dubrick 4/25, Earhart 4/17) SORRY FOR THE CUT OF ORDER -DR
- 4764 SUMATRA RRI-Medan; 1331 in Indo w/w/ and ads (Bryan 4/26)
- 4765 BRAZIL R Em Rural Santarem; 0900 at excellent level (Willis/Cosier-AUS)
- 4765 ECUADOR CRE; 0100 SS, usual M DJ w/MOR w/ (Hoffman 5/11)
- 4765 CONGO RTVC; 2139-2144 w/drum rhythms (Bunn 4/22) 0000* w/African w/, ID at s/off with "The Internationale!" (Schwartz 4/25)
- 4770 VENEZUELA R Bolivar; 0040 SS, w/ and amts (Tannerwald 5/1) 0318 in SS, M w/speech with audience (Bryan 4/25) 1043 SS, LA w/, ads, ID (Miller 5/3)
- 4770 LIBERIA EINA; 2130 EE, rel. w/, w/, ID (Schwartz) 0645-0650 EE gospel w/(Dubrick)
- 4770 N. KOREA Pyongyang; *1000 // 5870 (Willis-AUS)
- 4775 BRAZIL Vos do Oeste; 0825 PP, w/, TC's, ID (Tannerwald 4/26)
- 4780 SURINAM SRS; 0215-0333* Dutch/EE/SS Saturday Night Program, w/, amts and ID's and requests for rpts (Hoffman) pop w/, TC, s/off amts and brief NA 0330* (Bolitho) US pope, soul 0200-0400*, NA at s/off (Mayer) 0924 hymns, devotional, in Dutch (Jones) 0848-0930 w/ in guitars, then into amts by M in Indo; tlks to 0904 when into what sounded like chants/prayers; first time heard this ex, wonder if this 60mb activity will continue? Used 15mhz outlet some years ago but was never audible in Australia on that frequency (Padula) Others rptg this one (Hauser, Willis and Cosier, Gavaras, Hobbs, Roberts)

- 4780 GUINEA-BISSAU R Dif Nac; 2238-2348 PP tlk, cmt, local string mx (Earhart 4/15, Schwartz 4/5) 0600 excellent level since March (Willis-AUS)
- 4780 VIETNAM Liberation Radio; to 1200 in VV, good signal--thanks to FEDXR for this one (Willis 4/26) Is this still the name?--LR
- 4781 HONDURAS R Juticalpa; 1205 SS amts by two men, then piano dance rhythms (Bunn) 0342-0350 SS, brassy mx, ID 0346 (Mayer 5/3)
- 4785 TANZANIA RT; 0400-0427 in Swahili, time pips, poss ID, mx; 0413 mx w/ occasional tlk in Swahili, lost by 0427 (Gavaras 4/9)
- 4790 PERU R Atentids; 0345-0515 SS, Peruvian mx, M w/ID (Frazer, Bryan)
- 4790 IRIAN JAYA RRI-Fak Fak; Heard quite well here around 0900 (Willis-AUS)
- 4795 ECUADOR LV de los Caras; 0349 SS, Ecuadorian mx, M ancr (Bryan 4/22)
- 4800 VENEZUELA R Lara; 0100 SS, mx and ID (Tannenwald 5/1) 0353 LA mx (Bryan)
- 4810 USSR; HS around 1300 to past 1400, guess Mideastern location--there were other stns here too (Willis-AUS 4/15)
- 4810 VENEZUELA R Popular; 0045 SS, mx and ID (Tannenwald 4/30)
- 4810 SOUTH AFRICA SABC; 0500 EE/Afrikaans, mx and ads (Bryan 4/24)
- 4815 COLOMBIA R Guatapurí; 0420 SS, Colombian mx, M w/ID (Bryan 4/24)
- 4820 HONDURAS HRVC; 0345-0500* EE rel. pgm to s/off (Alintuck, Grabowsky, Bryan, Bolitho)
- 4820 ECUADOR R Paz y Bien; *0925 SS, NA, schedule for day, TC's, Ecuadorian mx (Jones)
- 4826 MAJI RM; FF tlks at 0655 f/in, stringed instrumental mx 0657 to 0715 f/out; listed WRH '77 for 4835- hrd here 1976 on 4881 varying (Padula 4/23) UNID's by Schulman, MacKay, and Stauner LR-A May are probably this--DR
- 4832 COSTA RICA R Reloj; 0325-0855, ID's, mx and TC's (Earhart, Trautschold, Bryan, Schipelliti, Hermann, Poppin)
- 4835 SARAWAK RM; 1421 in Bahasa Malaysia, pop mx, M and W in tlk (Bryan 4/24)
- 4835 SOUTH AFRICA SABC; 0410-0508 EE, pop mx, TC's, ads, sports and wx (Bryan, Grenier)
- 4845 MAURITANIA Rdf Nationale; 2228 in AA w/chants and mx (Alexander 4/30) 0720-0730 AA mx and tlk (Dubrick)
- 4850 MAURITIUS MEC; 1st time for months; orch mx to 1800 when TS and BBC-WS mx, 1831* after slow march or anthem (Bunn 4/4)
- 4850 DOM REP R Clarin; 0330 SS, LA mx, ID's (Bryan 4/24) 0600-0910 w/Clarín jingles, LA programming and mx (Earhart, Hermann, Schipelliti, Trautschold)
- 4855 SUMATRA RRI-Palembang; 1340 Indo, mx, M and W in tlks (Bryan 4/26)
- 4860 VENEZUELA R Maracaibo; 0540-0835 LA mx, tlks, ID's (Hermann, Tannenwald, Dubrick, Trautschold, Earhart)
- 4870 BENIN LV Rev Beninise; 2230-0547 in FF tlk, local mx, revolutionary slogans; M w/tlk on Cuban troops in Africa--is on all the time now (Schwartz, Earhart, Hoffmann, Alexander, Bryan)
- 4875 COLOMBIA Ecos del Combeima; 0510-0923 SS vocals, ID's "Hora Super. ." many TC's and ID's by M between records (Hermann, Trautschold, Tannenwald, Schipelliti, Bunn)
- 4880 SOUTH AFRICA SABC; 0437-0521 in Afrikaans, light mx, tlk re Africa (Hermann, Bryan)
- 4880 VENEZUELA R Universo; 0337- SS, YV mx, M ancr, ID's (Bryan 4/24)
- 4880 NOTED in passing, DW GG svc, apparently feeder, s/on 2200, probably intended for one of the relays, perhaps Malta (Padula 4/16)
- 4885t BRAZIL R Pioneira da Teresina; 1035-1045 FP, sports mx, jingles, pgm promos, lively Braz mx, TC's, no ID hrd until Ondas del Meta s/on 1045 (Roberts 4/3)
- 4890 PAPUA NEW GUINEA NBC; 0815 EE tlk on schools (Grenier 4/26)
- 4890 SENEGAL RS; 0705-0710 FF with tlk by M (Dubrick 4/25)
- 4900 ECUADOR LV de Saquisilí; 0405-0418* SS, on after Juventud s/off; full ID, freqs, NA at s/off (Bishop 4/13)
- 4900 VENEZUELA R Juventud; 0130-0342 w/LA mx, ads, ID's, Top 40 (7 rpters)

That's it for this time around. One additional item below. Thanks for the reports and keep them coming for next month's FRENZY.

- 2305 USA Not a harmonic freq, hrd on 4/26 at 1000 w/typical US programming, 1030 had American Entertainment Network mx, but couldn't snag ID (Hauser)

HELPING HAND: For Sale, Yaesu FRG-7 in mint condition for \$250. Murata ceramic filters have been added for improved selectivity. AGC response and audio gain have also been improved. Contact Mike House, 2355 W. Kathleen Road, Phoenix, AZ 85023, 602/993-5972.

HELPING HAND: For Sale, Ameco PLF pre-amplifier, \$30.00 postpaid. Contact George Cady, 1355 N. Dearborn, #502, Chicago, IL 60610.

HELPING HAND: For Sale Lafayette HA600A, matching speaker; like new, BC221 Frequency meter. Both \$100.00 plus shipping. Conta ct, Ira E. Teitlbaum, 46 Briscoe Terrace, Hazlet, NJ 07730, 201/264-1165.

HELPING HAND: For Sale: R-390/URR, good condition, with manual. Local pickup only (Nor Cal area), \$375. Ameco PLF FET preamplifier, works for 1.3-54MHZ, excellent condition. With schematic. Will mail, \$25. Contact, Jim Davis, 101 Idaho St. Travis AFB CA 94535. Phone 707/437-3963, 2230-0500 GMT only.

log report *section* **B**

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"Have a good Summer DX season"

LR - B - 1

JUNE 1977

- 4902 SRI LANKA SLBC; 2140-2150 w/ chanting in the all night service for the Full Moon Pgm. (Padula 4/3).
- 4904.5 CHAD RNT; 2245 in FF w/ tlks, local Af. mx (Alexander 4/30).
- 4910 ECUADOR Em. Gran Colombia; 0607* in SS w/ ID, call, NA (Padula 4/16).
- 4910 GUINEA RN; 2235 in FF w/ chants (Alexander 4/7).
- 4915 BRASIL R. Anhanguera; 0240 in PP w/ local rock mx, ID's (Bishop 5/4).
- 4915 BRASIL Rdf. Macapa; 0824 w/ ID in PP (Sapoznikow). 0240-0258* in PP w/ tlk. LA mx, full ID, NA (Perdue 5/1).
- 4915 GHANA GBC; 2250 in EE (Schwartz). 0600-0620 in EE w/ flute mx, ID, nx, in EE/vern. (Bryan, Bunn). 2155 in vern. 0600 in EE (Padula 4/16).
- 4920 HONDURAS R. Progreso; 0453* in SS w/ MoR mx, ads, ID, NA (George 4/12).
- 4925 COLOMBIA Em. Meridiano 70; 0300-0355* in SS w/ lively LA mx, ID's, NA, (Perdue 5/8). 0922 in SS w/ early morning mx pgm. (Jones 5/7).
- 4932 NIGERIA NBC Benin; 2210 in EE/vern. w/ mx, chants, EE ID (Bishop 5/2).
- 4935 PERU R. Tropical; 0900 in SS w/ ID (Willis).
- 4940 IVORY COAST RVI; 0600-0700 in FF w/ local & rock mx, ID (Bryan, Alexander). 2240 in FF (Alexander). 0700 f/out in FF (Padula).
- 4940 VENEZUELA R. Yaracuy; 0020-0346 in SS w/ LA mx, ID, tlks (Tannenwald, Bryan). 1020-1145 in SS w/ ballads, mx, nx at 1145 (Bunn, Earhart).
- 4940 USSR; 1300 in HS in RR. Irkutsk listed. (Willis). Trautschold).
- 4945 COLOMBIA R. Colosal; 0530-0705 in SS w/ nx, mx, ID, pop mx, TC (Hermann).
- 4950 SARAWAK RMK; 1427 in EE w/ pop mx (Bryan 4/24).
- 4950 VENEZUELA R. Coro; 2330 in SS w/ ID, ads, LA mx, pop mx (Bishop 4/25).
- 4955 COLOMBIA RN; 0440 in SS w/ vocals, ID, Todelar plugs, nx, ads (Hermann).
- 4960 ECUADOR R. Federacion Suca; 1120 in SS w/ folk mx, flutes. Peking JJ QRM (Bunn). 0200 tlk, ID (Field). 1200 w/ tlk pgm in SS (Willis 4/16).
- 4960 VENEZUELA R. Sucre; 0336 in SS w/ LA pop mx, ID, nx, gongs (Bryan 4/25).
- 4965 COLOMBIA R. Santa Fe; 0434-0515 in SS w/ vocals, ID, tlks (Trautschold).
- 4970 VENEZUELA R. Rumbos; 0352-0712 in SS w/ ID, nx, LA mx (Tra'old, Hermann).
- 4972.5 CAMEROON R. Yaounde; 2250-2300* in FF w/ Af & FF mx, ID, NA (Alexander).
- 4975 COLOMBIA Ondas del Ortega; 1000 in SS (Willis, Cosier). 0202-0325* w/ sports, ID, tlk, NA (Perdue, Jones). 1035 w/ nx, ID, (Field, Bunn).
- 4975 PERU R. del Pacifico; 0342-0400 in SS w/ class. mx, ID (Mayer).
- 4980 GHANA GBC Ejura; 0620 in EE w/ local events pgm. (Bunn, Padula). 0620 w/ native mx, ID, TC, notices, re. mx. (Bryan, Hermann, George) 2255 in EE
- 4980 VENEZUELA Ecos del Torbes; 0200-0356* in SS w/ ID (Dubrick) (Alexander).
- 4985 BRASIL R. Brasil Central; 0525-0721 in PP w/ ballads, ID, TC, pop mx, tlks between each selection (Trautschold, Bryan, Bunn, Padula, Hermann).
- 4985 INDONESIA RRI Ujung Pandang; 1400-1431 in II w/ TC, bell IS, ID, mx
- 4990 NIGERIA NBC; 0600 in EE w/ ID via longpath, via shortpath (Poppin) after Yerevan 2200* (Padula) 2306* (Hoffman, Alexander). 0436-0540 in EE w/ ID, Af. mx, ads, seemingly in FF (?) (Schipellitti, Trautschold, Bryan).
- 4990 VENEZUELA R. Barquisimeto; 2307-0342 in SS w/ pop mx, ID (Tannenwald).
- 4995 PERU R. Andina; 0430 in SS w/ ID, tlks, Andean type mx (Bryan, Alexander). 0420 on 4996 w/ Peruvian mx (Perdue 5/1).
- 5010 CAMEROON R. Garoua; 2125 in vern. w/ percussion mx (Bunn 4/13).
- 5010 COLOMBIA R. Surcolombiana; 0345 in SS w/ LA mx (Alexander 4/7). chold
- 5010 PERU R. Eco; 0209-0523 in SS w/ ID, TC, LA mx, tlks (Jones, Bryan, Trautschold).
- 5015 ASIATIC RUSSIA Vladivostok; 1437 in RR w/ semi-class. mx (Bryan).
- 5020 NIGER ORTN; 2238* in FF w/ local mx, ID, NA (Alexander 4/8).
- 5020 SOLOMONS SIBS; 0952-1130* in EE w/ ABC nx, ID, lite mx, TC, rel. pgm., time pips, C & W mx, GSTQ at *(Roberts, Schipellitti, Miller).
- 5025 BRASIL R. Borborema; 0432* in PP w/ soft mx, tlks, ID (Trautschold).
- 5030 SARAWAK RMK; 1434 in Bidayuh w/ pop mx, tlk by a W (Bryan).
- 5030 VENEZUELA R. Continente; 0035-0500* in SS w/ class. mx, ID, TC, pop mx, ads, EE/SS at 0430. (Plotnick, Tannenwald, Earhart, Hoffman, Bryan, Trautschold).
- 5035 KAZAKH R. Alma Ata; 1245 in lang. w/ local mx, tlk by W (Mayer) schold)

- 5038 CEN. AFR. REP. RNC; 2240-2305* in FF w/ guitar mx, ID, NA (Alexander, Bunn).
- 5039 SUDAN R. Omdurman; *0357 in AA w/ IS, ID, AA mx (Bishop 4/12).
- 5040 COLOMBIA R. Cincio; 0700-0828 in SS w/ LA mx, ID's, TC's, MoR mx, ads, Caracol tlks, ballads (Bunn, Alexander, Schipelliti, Hoffman, Earhart).
- 5045 BRASIL R. Cultura do Para; 0900-0930 in PP w/ tlks, ID, local & class. mx. Also ID's as R. Educativa do Para (Willis, Cosier, Jones).
- 5047 TOGO R. Lome; 0615 in FF w/ ID (Padula), 2135 w/ singing group (Bunn).
- 5050 VENEZUELA R. Mundial; 0825-0949 in SS w/ lottery ads, ID, pop mx (Earhart).
- 5055 SWAZILAND TWR; *0425-0451 in EE w/ chime IS, ID, organ rel. mx, hart). MoR mx, tlks by a M (Hobbs, Bryan, Trautschold).
- 5062v ECUADOR RN Progreso; 0315-0439* in SS w/ LA mx, ID, (Trautschold, Alex).
- 5075 COLOMBIA R. Sutatenza; 0950 in SS w/ nx, ID, chorus singing (Earhart).
- 5095 COLOMBIA R. Sutatenza; 0200 in SS w/ ads, ID (Hoffman) 0950 w/ nx (Schipelliti).
- 5310h CUBA R. Rebelde; 0105-0315 in SS w/ ID, IS, nx (Roberts).
- 5800 USSR RM; 2313-2330 w/ nx. (Miller 3/22). Harmonic/Spur???
- 5880 CHINA RP; 1416 in CC w/ cmntry by a M&W (Bryan 4/21).
- 5920 USSR RM; 0200 in EE w/ ID (Kelly 4/14).
- 5930 CZECHOSLOVAKIA RP; *0100-0155* in EE w/ nx, cmntry, ID, (Valko, Fraser).
- 5945 NICARAGUA Rdf. N; 0000 in SS w/ LA mx, ID (Mayer 3/26).
- 5950 ANTIGUA DW; 0558 in EE w/ ID and an echo heard - possible relay from GFR on same freq. (Lambard 4/30).
- 5954 COSTA RICA R. Casino; 0525 in EE w/ US pop mx, ID (Grenier 4/26).
- 5960 CANADA RCI; 2347-0200 in EE w/ ID, nx, sports (Kelly, Miller, Tannenwald).
- 5965 BRASIL R. Guaba; 0947 in PP w/ nx (Jones 4/19).
- 5965 NIGERIA NBC Jos; *0430-0525 in EE w/ Af. mx, ID, drums, TC's, DW/QRM on 5960 (Trautschold, Schipelliti) 2305* w/ local ID, NA (Bishop, Hoffman).
- 5970v SAUDI ARABIA BSKSA Riyadh; 2240 in AA // 6130, v. to 5974 (Padula 4/16)
- 5975 GREAT BRITAIN BBC; 0200 in EE w/ ID, nx (Smith, Bryan) 1310 in EE (Alin).
- 5980 MEXICO R. Mexico; 0116 in SS w/ ID, freq., tlks (Jones 5/4).
- 5980 PERU R. Panamerica; 0637 in SS w/ many ads, ID's, Inca Cola ads, pop mx, mens clothing ads, (Jones 4/30)... Inca Cola? Hil
- 5980 USA KGEI; 0750 in EE w/ rel. pgm. (Lambard) 1005 w/ nx, wx, ID (Earhart).
- 5985 FRANCE RFI; 2115* in SS w/ ID (Padula 4/24).
- 5990 JAPAN RJ; *0800 in EE w/ GS, ID, (Lambard).
- 5990 RUMANIA RB; *0130 in EE w/ ID (Schwartz) 0417 in EE w/ ballads (Plot).
- 5995 AUSTRALIA ABC; 0757-1010 in EE w/ nx, ID, mx, (Lambard, Hermann, Earhart).
- 5995nf FRANCE RFI; 2200* w/ SS for Spain, x-6040 (Padula 4/24).
- 5995 USA Dixon VOA; 1000 in EE/Vietnamese w/ UN nx, ID (Earhart).
- 5995 VATICAN RV; 0114* in EE w/ ID, rel. pgm. (Earhart).
- 6000 BRASIL R. Inconfidencia; 0115 in PP w/ sports (Field).
- 6000 COLOMBIA R. Super; 0817 in SS w/ LA pop mx (Bishop 4/23).
- 6000 VENEZUELA R. Sensacion; 0912 in SS w/ pop mx, ads, ID, R. Super/QRM, First time I've seen this reported. Anyone else hearing this?
- 6005 ASCENSION BBC; 0113 in EE w/ drama (Bryan).
- 6005 CANADA CFCX; 2000 in EE w/ Expos BB (Brooker) 0000 w/ ads, ID, wx (Fraser)
- 6006 COSTA RICA R. Reloj; 0715-1145 in SS w/ TC's, ID, LA mx (Brooker, Her-)
- 6010 PERU R. America; 1000 w/ ID "Desde Lima, Peru. Transmite R. America, La Voz del Nuevo Mundo --" (Jones 4/19).
- 6010t RYUKYU VOA; 1145 in EE w/ cmntry (Jones 5/4).
- 6010 VENEZUELA R. 1040/Los Andes; 1100 in SS w/ pop mx, ID (Jones 4/13).
- 6015 AUSTRIA ORF; 0445 in EE w/ tourist info. (Mayer 4/5).
- 6020 PERU R. Victoria; 1050 in SS w/ TC, ID, mx, (Lambard, Hermann, Earhart).
- 6020 PHILIPPINES VOA Poro; 1305 in CC w/ cmntry (Bryan).
- 6025 BIAPRA (NIGERIA) NBC Enugu; 2250-2305* in EE w/ ID, national nx, NA (Bishop) 0605 via LP w/ EE nx (Padula).
- 6025 PORTUGAL RP; 2040 in EE w/ nx, cultural pgm., (Hersh 4/6).
- 6035 BOLIVIA R. Panamerica; 1034 in SS w/ IS (harp chords), ID (Jones 5/3)
- 6035 LIBERIA VOA; 0630 in EE w/ Af. Safari pgm. AFRTS/QRM (Hoffman).
- 6035 SWEDEN RS; *0230 in FF w/ ID, IS, nx (Hayes, Schwartz).
- 6035 USSR; Unid. FE Site. 1307 in RR w/ class. mx, cmntry (Bryan 5/1).
- 6045 SWEDEN RS; 0045-0100 in EE w/ cmntry, ID, nx (Clark) 0227 in several languages w/ ID's (Jones).
- 6045 BRASIL R. Clube Paranaense; 0825 in PP w/ ads, pop mx, (Bishop 4/23).
- 6050t ECUADOR HCJB; 0415-0435 in SS w/ rel. mx, (Trautschold 5/3).
- 6055 JAPAN NSB; 1314 in JJ w/ tlks (Bryan 5/1).
- 6055 UNID; 0235-0305 in SS/EE w/ BBC English by Radio, TC, ID (Craig).
- 6065 CANADA CBC NS; 1350-1400* in Cree or Eskimo? tk & ID (Craig).
- 6065 COLOMBIA R. Super; 0731 in SS w/ plugs, ID, easy LA mx (Hermann). 6068
- 6065 SPAIN RTVE; 0200 in EE w/ TC, ID, schedule read (Bryan, Potisk).
- 6068 COLOMBIA R. Super; 0844 in SS w/ vocal groups (Bunn 5/3). 6065

- 6068v COLOMBIA R. Super; 0750 in SS w/ Colombian rhythms (Padula 4/17).
 6070 CANADA CFRX; 1650 in EE w/ pops, ID (Dubrick). 1400 w/ nx, ads (Craig).
 6070 VENEZUELA R. San Sebastian; 0315-0730 in SS w/ romantic mx, ID, TC's, ballads, freq's (Roberts, Frajer, Hermann, Bunn, Padula, Jones).
 6075 FED. REP. GERMANY DW; 0130 in EE w/ ID, nx (Swanson).
 6075 ITALY RAI; 0430 in EE w/ nx // 7275 (Zilmer).
 6082 PERU RN; 1052 in SS w/ Peruvian mx (Jones 4/19).
 6085 ANTIGUA DW; 1000 in SS w/ EE ID as "Caribbean Relay" and "Antigua" in the SS pgm. ID (Jones 4/22).
 6085 FED. REP. GERMANY DW; 0425 in GG w/ mx, ID // 6100 (Plotnick).
 6090 LUXEMBOURG RL; 0030-0200 in EE w/ ID, pop mx, DJ pgm., nx (Schwartz, Sull
 6100 MALTA DW; *0130-0150* in EE w/ ID, nx (Zilmer, Tomkewich). Ivan, Hayes)
 6100 UNID; 0514-0550 f/o w/ No. Cen. Af. mx. Nigeria? (Bishop 5/4).
 6105 MEXICO Su Pantera; 0501* in SS w/ US pop mx, ID, played Battle Hymn of the Republic at sign off (Bishop). *1115 in SS w/ ID, mx (Sherman).
 6105 NEW ZEALAND RNZ; 0945-1115 in EE w/ nx, wx, comedy pgm, pop mx (Bishop,
 6110 GREAT BRITAIN BBC; 0232 in EE w/ ID (Smith). Zilmer, Jones)
 6115nf CHINA RP; *1300 in EE (Willis)
 6115 COLOMBIA La Voz del Llano; 1054 in SS w/ TC, ID, LA pops (Jones).
 6115 MEXICO R. Univ. de Sonora; 2323 in SS w/ organ & choral mx (Bryan).
 6120 ARGENTINA R. El Mundo; 0842-0900 in SS w/ ID, TC, tangos (Jones, Willis,
 6120nf CANADA BBC WS; 0030 in EE // 9510, RTVE/QRM (Hauser). Sapoznikow).
 6120 COLOMBIA R. Super de Cali; 0750 in SS w/ ID, TC, LA mx (Bunn, Hermann).
 6120 INDIA AIR; 1230 in EE w/ nx, ID, 1230* into Hindi (Bunn).
 6120 SWEDEN RS; 2315 in EE w/ interview pgm., ID (Hoffman). Fraser).
 6130 CANADA CHNX; 1330-1630 in EE w/ ads, pop mx, ID, TC, (Alintuck, Brooker,
 6130 GHANA GBC; 2230-2250 in EE w/ nx, ID, musical pgm., (Swanson, Tannenwald)
 6135 UZBEK R. Tashkent; *1230 in Uighur via Alma Ata // 5035 (Willis).
 6140 AUSTRALIA ABC; 1056 w/ regional nx pgm., ID, in EE (Jones). (Padula).
 6145nf ANTIGUA DW; 0505 // 6085 w/ brass mx (Bunn). 0735 in GG // 6085, 9690.
 6150 AUSTRALIA ABC Melbourne; 0906 in EE w/ local nx, ID (Bishop).
 6150 COLOMBIA La Voz de Huila; 0750-0830 in SS w/ chimes, vocals, ID, TC, Todelar plugs (Hermann, Bunn, Padula, Tannenwald) 0105 w/ ID (Alexander).
 6150 GREAT BRITAIN BBC; 0030-0045 in EE w/ ad, ID (Clark).
 6150 USA AFRTS; 2350 in EE w/ nx, ID (Miller).
 6155 AUSTRIA ORF; *0000 in EE w/ ID (Schwartz).
 6155 HAITI R. Citadelle; 1140 in FF w/ rel. pgm., sermon (Mayer).
 6155 JAPAN FEN; 1032 in EE w/ nx, ID (Jones 4/27).
 6155 SINGAPORE RS; 1143-1200 in Malay w/ pop mx, ID, time pips (Mayer 5/2).
 6160 COLOMBIA Em. Nueva Granada; 0500-1125 in SS w/ class. mx, LA mx, ID, ballads, Canada Dry Ginger Ale ad, TC (Hermann, Schipelliti, Miller, Ear-
 6160 NEWFOUNDLAND CKZN; 1330-1400 in EE w/ nx (Bolitho) hart, Tannen'id)
 6165 MEXICO LV de America Latina; 1115-1154 in SS w/ pop mx, ID's, call letters announced, Mexican mx (Miller, Zilmer). man)
 6165 NEPH, ANTILLES RN; 0200 in EE w/ DX Juke Box, nx, ID (Hauser, Craig, Hoff
 6165 SWITZERLAND SEC; *2100 in EE w/ "Dateline", ID, mx (Schipelliti).
 6170 COLOMBIA LV de Selva; 1115 in SS w/ LA mx, ID (Miller). (Hauser).
 6175 ANTIGUA BBC WS; 2330* in EE via Sackville. 6195 moves here till 0430
 6175 BRASIL R. Guarani; 0904-0918 in PP w/ vocals, ID, ads (Sapoznikow).
 6180 GUATEMALA RN; 1103-1140 in SS w/ waltz mx, ID, TC, vocals, early AM kids pgm. LA mx (Jones, Bunn).
 6180 VENEZUELA R. Turismo; 0942 in SS w/ local pop mx (Bishop).
 6185 LIBYA PRBC; 2115 in AA w/ local AA mx, ID (Bishop). *0430-0448 in AA w/ Koran recitations, tlks, chants (Earhart, Mayer).
 6190 MOROCCO RTVM Sebaa-Aioun; 0700 fanfare then AA nx, ID, carried UN tlks in EE/AA (Bunn). 0610 in AA w/ AA mx, tsk by a W, ID (Bishop).
 6190 VENEZUELA Ecos del Torbes; 1033 in SS w/ comls, ID, LA mx, TC (Jones).
 6195 ANTIGUA BBC; *1058 in EE w/ IS, ID, TC, nx (Jones). 2000-2330 in EE w/ ID moves to 6175 at 2330. (Hauser).
 6195 CANADA CBC; 0200 in EE w/ CBC NS, ID, pop mx (Jones).
 6195 GREAT BRITAIN BBC; 0225 in EE w/ interview pgm. (Kelly). See above.
 6195 NIGERIA NBC Sokoto; 2307* in EE (?) w/ ID, NA (Hobbs 4/1). 0557-0620 in EE w/ IS, ID, national nx relay, pop mx (Bishop).
 6195 MALAYSIA BBC Tebrau; 1327 in EE w/ cmtry (Bryan).
 6200 ALBANIA RT; 0156 in EE w/ schedule, ID, 0158* (Jones).

We had a sparse month of reports this time. Bad for those who use this logging section. Good for the typist. See you next time with more reports.... Best of warm weather DX.

log report *section* **C**

TOM GAVARAS, EDITOR
16920 17th Avenue North
Wayzata, Minnesota 55391

6201 kHz to 11700 kHz

JUNE, 1977

* ALL REPORTS TO THE LOG REPORT SECTIONS SHOULD BE SENT TO THE DISTRIBUTION EDITOR: *
* GREG RAVENHORST, RURAL ROUTE, HOLLANDALE, MINNESOTA 560451 *

- 6250 EQUATORIAL GUINEA R. Malabo; 0708 SS tlk or news by lady, African tribal rhythms. Obliterated by strong utility at 0716. Beware of Pyongyang which becomes audible here around 0800 (Padula 4/23). 2209 lang w/African tunes. Utility GRM. (Mayer 4/17).
- 6645 CHINA R. Peking; 1422 with talking by a male in an unidentified language (Bryan 4/21)
- 6665 CHINA R. Peking; 1426 Chinese talk by man & woman, classical mx//6750 (Bryan 4/21).
- 6770 KOREA (NORTH) R. Pyongyang; 1433 French news read by woman (Bryan 4/21).
- 6825 CHINA R. Peking; 1439 Tagalog talk by woman (Bryan 4/21).
- 6840 CHINA R. Peking (Inner Mongolia); 1445 Chinese classical mx, Woman announcer (Bryan).
- 6890nf CHINA R. Peking; 1400-1442 Chinese talking (Willis, Bryan 4/21).
- 7042 UNIDENTIFIED; Continuous popular mx to 1400 sign off (no announcement). Heard on a Wednesday night w/fairly good level signal, poor modulation. Guess Bhutan (Willis).
- 7105 ASCENSION ISLANDS BBC; 0330 EE Strike Up the Band//7130 (Zilmer 5/6).
- 7105 MONACO TWR; 0625-0804 IS, EE ID, Religious programs (Cress 4/20, Earhart 4/17).
- 7110t MALI Rdf du Mali; 0802-0808 Band with National Anthem (?). Too noisy! (Earhart 4/17)
- 7130 ENGLAND BBC; 0330 English w/Strike Up the Band // 7105 (Zilmer 5/6).
- 7135 FRANCE RFI; 0656 FF talk, ID, electric organ music, Orchestra mx, tlk (Earhart 4/9).
- 7140 CYPRUS BBC; 0115 English Easter program with ARO interference (Alexander 4/9).
- 7140 JAPAN NHK; 1338 Chinese news read by woman (Bryan 5/1).
- 7145 NIGERIA NBC (Ilorin); *0430 English Identification, prayer, chants. Fair (Mayer 3/18).
- 7150 GERMANY (WEST) DW; 0515 w/end of EE program and beginning of FF pgm (Cohen 4/19).
- 7155 GERMANY (WEST) R. Liberty; 2100 IS into program in unidentified lang (Alexander 4/7).
- 7160t PHILIPPINES VOA; 1450 English with Show Tunes USA (Grenier 5/8).
- 7165 RYUKU ISLANDS VOA; 1344 English commentary of President Carter's campaign promises. (Bryan 5/1). -This station should be shut down by the time you read this! (editor)-
- 7170 NEW CALEDONIA R. Noumea; 0603-0700 FF Instrumental mx, tlk, ID (Gavaras 4/24). 0813 French talking by two men. (Earhart 4/17).
- 7185 ENGLAND BBC; 0400 English with the World News//7210 (Zilmer 5/1).
- 7195 LIBERIA VOA; 0502 English news program (Grenier 4/26).
- 7200 USSR (Yakutsk); 1350 Russian pop music with woman DJ (Bryan 5/1).
- 7210 ENGLAND BBC; 0400 English with World News //7185 (Zilmer). -I have Cyprus listed (ed)-
- 7210 GERMANY (WEST) DW; 0125 EE tlk about meeting with Carter, played requests (Earhart).
- 7210 USSR (Khabarovsk); 1817 Russian with classical choral music (Bryan 5/1).
- 7215 BRUNEI R. Brunei; 1315 English news and opera music (Grenier 4/10).
- 7225 PHILIPPINES FEBC; 1255-1400* Japanese religious programs, Id. (Sapoznikow, Roberts, Bryan)
- 7235 USSR MAYAK; 1330 with Russian broadcast //7240. Not heard Ulan Bator here, but Yemen is now also using the frequency (Willis).
- 7235 YEMEN ARAB REPUBLIC R. San'a; 0325 LL (Don't you mean AA?? (ed)) with Native Chanting // 9380 (C. Sherman 5/6).
- 7245nf FRANCE RFI; 0640 with French variety show. Dominated the channel (Padula 4/23).
- 7250 USSR R. Moscow; 2358 English with frequency announcements and music (Noonan 4/21).
- 7264 TOGO Rdf du Togo; 0600-0630 French talking, music // 5047. The WRTVH says s/on Is 0800, so apparently a changed schedule. (Padula 4/23, Trauttschold 4/10).
- 7265 GERMANY (WEST) Sudwestfunk; 2330-0015 German light and jazz music (Alexander 4/16). 0245 GG Identification, pop music (Schwartz 4/24). 0450 GG mx "Home on the Range" and German band music. HAM interference! (Earhart 4/16).
- 7270 GREECE VOA; 0355 English Identification with the Breakfast Show (Schipelliti 4/25).
- 7270 POLAND Polish Radio; 0225-0230* English, talk, Poland Today, Identification, address, into Polish at 0230 to National Anthem (Schipelliti 5/9, Cohen 4/22).
- 7270 SARAWAK R. Malaysia; 1445 talk in unidentified language and music (Grenier 5/8).
- 7270 SOUTH AFRICA RSA; 0300 English to Mid East and N.W. Africa. Announced: 7270, 5980 and 3995 but not 9585 as listed in WRTVH. (Earhart 4/8). 0400 EE nx, cmntry, "Good Morning Africa". HAM GRM. (Tomkewich 3/18).
- 7275 ITALY RAI; 0430 English with YL reading news beamed to Medit. (Cohen 4/28).

- 7275 NIGERIA VON; 0655 EE w/Drum IS, news, commentary (Hoffman 4/27).
- 7275 TUNISIA RTWT; 0458 Arabic with singing and drum music (Earhart 4/16).
- 7280nf FRANCE RFI; 0631 French political news roundup about USA events (Padula 4/24).
- 7285 FRANCE RFI; 0455 French talking and Polynesian music (George 4/20) -Are you sure about the frequency?(ed)-
- 7286t INDONESIA RRI (Fak Fak); Heard to 1350*. Excellent level. Irregular. (Willis).
- 7300 ALBANIA R. Tirana; 0338-0357 talk about Socialism, criticizing Carter's meeting with English statesmen (Earhart 5/8, Schipelliti 4/25).
- 7315 USSR R. Moscow; 1130 IS, march into unidentified language broadcast (Lambard 5/12).
- 7320 USSR (Magadan); 1407 Russian with Russian semi-classical music (Bryan 5/1).
- 7345 CZECHOSLOVAKIA R. Prague; 0243 SS talk (Bryan). 0300 EE nx, cmntry (Lambard). 0400 SS pgm. Not listed in WRTVH for this frequency (Earhart). 2020 EE ID, Sports Roundup//5930 (Schipelliti).
- 7355 USSR R. Moscow; 0110 English with news of USSR (Swanson 4/26).
- 7412 ISRAEL IBA; *0500 English news report (Grenier). *2230-2300* EE ID, Calling All Listeners, Interviews, etc//11655,9815,9435 (Earhart,Sullivan,Craig,Schipelliti, Schwartz).
- 7465 ISRAEL IBA; 0000-0030 Hebrew with special test program (two days only) Schwartz) with talking, music, news, ads, weather (Zilmer 4/20).
- 7770 CHINA R. Peking; 1326 Chinese talk, patriotic music (Bryan 4/22).
- 8005 CHINA R. Peking; 1333 Chinese talk by man and woman (Bryan 4/22).
- 8345 CHINA R. Peking; 1338 talk in unidentified language, Patriotic mx (Bryan 4/22).
- 8395 LAOS NRBS (Luang Prabang); 1341 Laotian music with Lao talk by woman (Bryan 4/22).
- 9009 ISRAEL IBA; 0138-0330* Hebrew HS tlk & music//7465 (MacKay). 2000 EE news and commentary (Fraser). 2300 Hebrew talk, music, news, ads and weather (Zilmer 4/20).
- 9022 IRAN VOI; 1905 English news (Cohen 4/30). 2200 Persian w/local music (Hoffman 4/30).
- 9355 ISRAEL IBA; 0545 Hebrew HS pgm (Frajer 4/23). 2000 Hebrew tlk, mx//12077,11625(Zilmer)
- 9425 ISRAEL IBA; 2000 EE nx, Calling All Listeners//15512,11655,9815,9009 (Zilmer 5/1).
- 9435 ISRAEL IBA; 2230 English news, Calling All Listeners // 15485,11655 (Zilmer 5/1).
- 9455 EGYPT R. Cairo; 0245 EE ID, Jazz mx (Clark 4/29). -Was this a frequency mistake at Radio Cairo or a typo? (editor)-
- 9465 USSR MAYAK; *0000 IS, Russian talk, music (Hermann 4/16). Lambard).
- 9475 EGYPT R. Cairo; *0200-0310 English news and Arabic music (Grenier,Plotnick,Bryan, Lambard).
- 9500 USSR (Magadan); 1812 Russian with classical music (Bryan 5/1).
- 9505 DOMINICAN REPUBLIC RTVD; 0009-0030 Spanish music with radio play (Hermann). 0150-0157 SS w/Ballad & Bongos (Sapoznikow). 1133 SS ID, nx, pop mx (Jones). 1300 SS ads, ID by man & woman (MacKay).
- 9505 JAPAN NHK; 1210 English news (Miller 5/7). 1425 EE with DX Program (Bryan 5/1). 2013 English news read by a man (Bryan 4/24).
- 9510 ANTIGUA/MONTSERRAT BBC; 0459 BBC Caribbean Relay ID at opening after tuning signal; said transmission was for North and Central America. Early in the evening, 9510 continues to be Sackville 2300-0030, Greenville 0030-0330 as far as I can tell. (Hauser) 0700-0715 BBC EE World Service noted here (Padula).
- 9510 INDONESIA RRI (Ujung Pandang); 0750-0800 program of language lessons in EE and Chinese (Padula 4/7).
- 9510 SEYCHELLES FERAI; *1656-1715 IS, English ID into Farsi program. Poor (McGonnell 4/14).
- 9515 AUSTRALIA R. Australia (Shepparton); 0740-0805 EE ID, mx, nx//9570 (Hermann,Earhart).
- 9515 TURKEY VOT; 2000-2046 Turkish talk & music (Fraser 4/10, Earhart 5/6). 2202-0030* English DX Corner, nx, mx, etc. (Fraser 4/10, Tomkewich 4/15, Schipelliti 4/24).
- 9520 PERU R. La Cronica; 0125 SS w/slow vocal, mx, Identification, commercials, lively guitar ballads (Sapoznikow 4/21). 0440-0511 SS w/LA pop, Time Check For GMT, "En la cronica de Lima, I o para, las doce medianoche, ads (Inca Cola, Banco del Peru)(Roberts)
- 9530 PHILIPPINES VOA; 1427 Vietnamese talk and commentary on President Carter (Bryan 5/1).
- 9530nf USSR R. Moscow; 0359* English for East North America (Bunn 4/27).
- 9530nf USSR R. Peace & Progress; 0400 SS for Latin America w/Gromyko statement (Bunn 4/27).
- 9530 BULGARIA R. Sofia; 0430-0450 EE nx, cmntry, Bulgarian pop music (Cohen, Earhart, Noonan). Beginning EE to BK 2130, NF ex 9700. (Padula 4/6).
- 9535 GREECE VOG; 1920 English news, commentary into FF at 1930 (Tomkewich). - I have 9530 kHz listed as frequency.(editor)-
- 9535 SWITZERLAND SEC; 1515 English with Swiss folk music, some super vocals, ID (Craig).
- 9540 AUSTRALIA R. Australia (Shepparton); 1133-1205 EE talk, music, advice for Americans in foreign countries to prevent from getting kidnapped, ID, TC. //9580. (Craig 4/22, Hermann 4/22). -Kidnapped??? I would have liked to have heard that broadcast!(editor)-
- 9540 CZECHOSLOVAKIA R. Prague; 0338 EE talk about paintings, mailbag (Earhart 5/7). *2300 "Inter-Programme" w/Czech, GG, FF, EE nx, mx talk (Tomkewich 4/13).
- 9540 POLAND Polish Radio; 1622 EE tlk about Britain, mx into Polish pgm (Hermann 4/17).
- 9550nf USSR R. Moscow 0350 Spanish for Americas with Press review (Bunn 4/27).
- 9560 BULGARIA R. Sofia; 0236 IS, lang behind HCJB (Alexander 4/24). -I have Portugese listed
- 9560 ECUADOR HCJB; 0100-0410 EE Religious programs, DX Party Line (0230-0300), news, Passport, mailbag, etc. (Clark,Alexander,Kelly,Alintuck,Fraser).

- 9566 CHILE VOC; 0115-0230 EE ID, nx about Chile (Grebowsky, Valko, Alintuck, Hermann).
 9570 AUSTRALIA R. Australia (Shepparton); 0823 EE news, music, Club Forum (Hermann 4/16).
 9570 ROMANIA R. Bucharest; 0145 English identification and news program (Hayes 5/1).
 9575 GREENLAND Gronlands Radio; 2145 Greenlandic talk by a man, then music. No RAI at this time. Poor signal (Mayer 5/1).
 9575 ITALY RAI; 0105 English news & commentaries (Alintuck). 0005 Italian music and identification (Schipelliti 4/26).
 9580 ASCENSION ISLAND BBC; Contrary to BBC's own schedule for J77, and in London Calling, is on here at 2000-2114* EE, noted 5/4. Then from Britain, and at 0030 picks up from Ascension again. Changes no doubt due to activation of 2nd Antigua transmitter, which they apparently did not anticipate so soon (Hauser). 0110 EE rock mx, ID (Alintuck)
 9580 AUSTRALIA R. Australia (Shepparton); 1206-1300* EE news, Keith Glover's Mailbag, ID, talk, NA (Craig 4/18, Hoffmann 5/1).
 9580 CANADA BBC; 2305 English World Service w/news (Lambard 4/20) -This transmission might now be from England direct (editor)-
 9580 PHILIPPINES VOP; 1513 English ID, cmntry, world nx read by Julie Fadalon (Poppin)
 9580nf USSR R. Moscow; 0348 Spanish for L. America w/talk of Chile & Peru (Bunn 4/27).
 9585nf ECUADOR HCJB; 0740-0800 WW to Europe (ex 9760). Excellent signal (Padula 4/1).
 9585 HUNGARY R. Budapest; 0220-0230* EE ID, pop mx, IS into Hungarian pgm at 0230 (Earhart 5/7). 0400 EE DX Program // 6000 (Earhart 5/7).
 9585 JAPAN NHK; 1621 Japanese news and identification by a man (Bryan 5/1).
 9585 SOMALIA R. Mogadishu; 2056-2102 lang w/news, ID, NA and s/off (Sapoznikow 4/6).
 9585 SOUTH AFRICA RSA; *2230-2320* EE ID, nx, etc. (Alintuck 4/7, Bryan 4/24).
 9585 SYRIA SARBS; 1945 Arabic w/singing and fast talking by man. Weak! (Bogel 4/8).
 9585 USSR R. Rodina; 2050-2100* Russian talk about Sputniks & Komsomols (Hermann 4/8).
 9595nf FRANCE RFI; 0801 FF news (Padula 4/1). 1700-2000* FF w/mx & news (Sherman 4/23).
 9595 JAPAN NSB; 1444 EE medical drama w/occasional Japanese (Bryan 5/1).
 9600 USSR R. Kiev; *0030-0100* IS, EE ID, nx, cmntry (Sapoznikow 4/30, Hermann 4/24).
 9600 USSR H. Rodina; 0011-0029* Russian music pgm, ID (Hermann 4/24). 2330 RR ID after Interval Signal (Sapoznikow 4/30).
 9600 USSR (Magadan); 1755 Russian sports program with a male announcer (Bryan 5/1).
 9605 GERMANY (WEST) DW; *0330-0550* GG nx, cmntry (Tomkewich 4/14). -I have transmitter location listed as Sackville, Canada! (editor)-
 9605 JAPAN NHK; 1800 German news read by a male (Bryan 5/1).
 9605 VATICAN STATE Vatican Radio; *0100-0115* EE Religious news (Volko, Craig, Hersh).
 9610 AUSTRALIA WLW9 (Perth); 1112 EE nx & short story (Hermann). 1345 EE ID (Tomkewich).
 9610 BELGIUM BRT-4; 0650 FF service on a Sunday with a Variety Show; seems a new frequency as WRTVH; 1977 sked for M-77 shown 15210/17770 in use (Padula 4/17).
 9610nf FRANCE RFI; 0610 FF nx, xed Belgium also 9610 and also in French! (Padula 4/24).
 9610 MALTA DW; 0035 Portuguese program. Good signal (Hersh 4/13).
 9610 USSR R. Kiev; 0040 English commentary and mailbag program (Alexander 4/24).
 9610 USSR R. Moscow; 0230 SS w/sign on, opening announcements to L.America//9600 (Woonan).
 9610 USSR R. Vilnius; 2327 EE ID, address and request for letters (Schipelliti 5/9).
 9620 ECUADOR HCJB; 0444 Russian with religious program. Good signal (Plotnick 4/17).
 9620 YUGOSLAVIA R. Belgrade; *2200 English news, ID into French program at 2215. (Earhart 5/6, Schwartz 5/7, Bolitho 4/3, Schipelliti 4/25, Dubrick 4/24, Hoffman 4/24).
 9625 CANADA CBC NS; 0555-0605 EE pgm with music & information (Trautschold 4/7).
 9630 SPAIN RTVE; 0500 Spanish identification and time pips (Alintuck 4/20).
 9635 SINGAPORE R. Singapore; 1615 Chinese w/oriental mx & CC tlk (Bogel 4/11).
 9640nf USSR R. Moscow; 0348 Spanish to Americas w/cmntry on Chile (Bunn 4/27).
 9640 KOREA (SOUTH) R. Korea; *1600 English news program (Grenier 5/8).
 9645 NORWAY R. Norway; 0402 Norwegian talk, mx, ID (Bryan 4/27). 2230* EE Listeners Corner (Kelly 4/17). *2300 IS, EE ID - Norwegian pgm (Hoffman 4/15).
 9645 PHILIPPINES R. Veritas; 1255 Japanese pgm, ID, address, s/off (Sapoznikow 4/23). 1440 English news, identification, sports (Grenier 5/7).
 9650 GERMANY (WEST) DW; 1915 Arabic news program. Fair signal (Hersh 4/7).
 9650 USA UN Radio; 0848 EE w/talk on World Problems & Security Council (Grebowsky 4/23).
 9655 BELGIUM BRT-4; 0635 Dutch w/pop mx. Listed for 9650 and appears permanent spot now. (Padula 4/17).
 9655 CUBA RHC; 1930 Spanish program with a poor signal (Hersh 4/7).
 9660 VENEZUELA R. Rumbos; 2340-2352 Spanish music, news, SOS advertisement (Hermann). 0030 ID SS w/modern mx (Hersh). 0405 SS ID & mx (Alintuck). 0702 SS music (Padula). 0800 Ballads and advertisements (Bunn 4/17).
 9665nf GERMANY (EAST) RBI; 2205-2210 GG/FF/Italian with frequency sked information for European listeners; NF, heard previously on 7260, but check of that channel revealed BBC European Service in Hungarian (Padula 4/23).
 9665 KOREA (SOUTH) R. Korea; 1130-1200 English talk about Korean economy //11860 (Zilmer 4/16, Mayer 5/5, Sapoznikow 4/28).
 9685 CUBA RHC; 0025 EE nx, cmntry (Alintuck). 0100-0200 EE cmntry and Cuban music (Fraser) 0442 EE identification and music. Good signal (Plotnick).

- 9685 TANZANIA R. Tanzania; 0405-0420 English with news of Africa in heavy accented EE, cmntry, two full IDs (external service of R. Tanzania). One note only. RHC on frequency since then. (Perdue 4/16). -Thanks for the card, Neall (editor)-
- 9685 USSR R. Moscow; 0010 EE pgm on Lenin (Noonan 4/22). 0025 EE w/classical mx, ID, mx/79530, 9700 (weaker), 7250 (Earhart 4/27).
- 9690 ARGENTINA RAE; 0315-0340 EE ID, nx, cmntry (Alintuck, Tomkewich). *1102 JJ tlk (Hermann)
- 9700 ANTIGUA/MONTSERRAT BBC; DW loaning BBC on of their freqs, it seems, at least for tests, noted 4/17 0405 BBCWS off air relay, perhaps replacing 11650 as test freq. (Hauser).
- 9700 BULGARIA R. Sofia; 0050 English news (Alintuck). 1940 EE tlk on Health Care (Hersh).
- 9700 GERMANY (WEST) DW; 2321 German conversation between two men, GG mx (Bryan 4/24).
- 9700 SEYCHELLES FEBA; 0325 English with religious programs (Alexander 4/17).
- 9700 USSR R. Moscow; 0205 EE nx//7165,7250,9530,9685 (behind RHC), 15210 (Noonan 5/8). 0305 English news and commentary about SALT (Grebowsky 4/22).
- 9705 BULGARIA R. Sofia; 0015 EE w/classical mx and Childrens Choir (Earhart 5/8).
- 9705 INDIA AIR; 1135-1143 EE state and development nx, weather, sign off (Zilmer 5/1).
- 9705 MEXICO R. Mexico; 0145 SS ID, talk, 40's and 50's music. Good signal (Onken 4/6).
- 9710 ITALY RAI; 0330 Russian news, mx (Tomkewich). 1950 EE ID, tlk. Fair (Hersh).
- 9715 HOLLAND R. Nederland; 0500 EE Out of The Blues (Swanson 4/21). *2130 EE program to East Coast of North America//11730. "Newsblock" (Hayes 5/2, Cohen 4/22).
- 9720nf IRAN VOI; 2330 relay of HS "Radio Iran", Farsi nx; believed for North America and audible until 0030 when channel blocked by SLBC s/on (Padula 4/2).
- 9720 SRI LANKA SLBC; 1608 English ID, choir. At times very strong. (Poppin 4/8).
- 9720 USSR R. Atlantika; 1654 Russian music, concert into MAYAK 1730 (Hermann 4/17).
- 9720 USSR R. Kiev; 0045 English mailbag program //15180 (MacKay 4/24).
- 9720 USSR R. Moscow; 2119-2158* EE to U.K. with a letterbox program (Hermann 4/23).
- 9720 USSR R. Rodina; 0200 RR talk & mx (Noonan 5/8). *2330 RR w/list of names, tlk, music (Hermann 4/23).
- 9720 USSR R. Vilnius; 2307-2329* English talk about Lenin & Socialism, ID, mx (Hermann 4/23)
- 9725 BELGIUM BRT-4; 0014-0045 EE w/Brussels Calling Pgm. (Hermann, Hoffman, Craig).
- 9725 SWITZERLAND SBC; *0145-0215* EE Dateline (Tomkewich, Craig, Earhart). *0430-0450+ EE talk on World health, Dateline. (Wiseblood, Grenier, Swanson).
- 9730 BELGIUM BRT-4; 0015-0045* EE Brussels Calling pgm (Zilmer, Hayes, MacKay). - Ok Folks, here is the \$26,000 question: Is Belgium on 9725 kHz or 9730 kHz? (editor)-
- 9730 GERMANY (EAST) RRI; 0255 EE talks to Visitors to East Germany (Dubrick 5/8).
- 9730 UGANDA UBC; 2030 English with ID, frequency into News pgm. Poor signal (Gavaras 4/24).
- 9735 GERMANY (WEST) DW; 0455 German news and music (Plotnick 4/17).
- 9735nf USSR R. Moscow; 0338 Spanish commentaries for Latin America (Bunn 4/27).
- 9740nf EGYPT R. Cairo; Begin unidentified language for Americas 0115, perhaps Spanish, very heavy accent, into Arabic 0215, previously noted on 9665 (Padula 4/24).
- 9740 MALAYSIA BBC; 1740 English music, time check, identification (Bryan 4/24).
- 9740 PORTUGAL R. Portugal; 2030-2100 English news, commentary with Portugese music. Very good signal (Brooker 4/26). -I have Portugese listed for this time & frequency (ed)-
- 9745nf BULGARIA R. Sofia; 0540 Greek with lively Greek songs/ballads thru to 0699 when ID by lady, then Turkish // 9530 where also heard. Sunday only service (Padula 4/24). 2130-2200 EE nx, ID, cmntry (Hoffman 5/10).
- 9745nf FRANCE RFI; 0550 French variety show, news at 0600 (Padula 4/24).
- 9745nf USSR R. Moscow; 0150 SS tlk to Cuba (Noonan). 0335 SS talk on US actions in regard to Latin America (Bunn 4/27).
- 9750 CHILE R. Minería; 1130 SS Time Checks, ads for Banco de Concedcion (Jones 5/3).
- 9750 GREECE VOG; 0115 EE ID, nx into Greek program (Onken 4/14).
- 9745 IRAQ R. Baghdad; *1930-2025 EE nx, cmntry; 2030 German pgm (Brooker, Cohen, Gavaras).
- 9755nf USSR R. Vilnius; 2310 English news about Lithuania//7400 (Padula 4/23).
- 9760nf USSR R. Moscow; 0320 Spanish w/cmntry on Columbia & Chilean mass medua (Bunn 4/27).
- 9768 KOREA (NORTH) R. Pyongyang; *1010 IS, EE ID, anthem, cmntry//7203 (Roberts 4/9).
- 9770 AUSTRIA ORF; 0130-0200 EE news, cmntry, features (Grebowsky, Field, Hayes, Alexander). 0240 German talking, music (classical) (Earhart 5/7).
- 9780 CHINA R. Peking; *0100-0140 IS, EE ID, nx, cmntry (Craig 4/24, Alintuck 4/19).
- 9780 YEMEN ARAB REPUBLIC R. San'a; 2041-2107* AA talking w/stringed mx (male vocal). 2059 ID & talking in AA. Chanting, ID, NA. S/off. Fair signal (Gavaras 4/23).
- 9790 ALBANIA R. Tirana; *2330-2350* s/on 2330 with announcement for news in English, but at 2231 R. Tirana had Spanish news (Tomkewich 4/14).
- 9805 EGYPT R. Cairo; 2210 English news and letterbox to Europe (Schipelliti 4/24). 2315 R. Cairo had been reported with French to North America, but on 4/10, just tone following close of English program to Europe and Arabic announcements, then off the air (Hauser).
- 9810 USSR MAYAK; 0300 Russian w/identification. (Tomkewich 4/13).
- 9810nf USSR R. Moscow; 0322 SS for Latin America w/cmntry (Bunn 4/27). *1800 French news to Africa (Hermann 4/17).
- 9810nf USSR R. Peace & Progress; 0330 SS pgm (Bunn). 1540 English news program (Hermann 4/17).

- 9815 ISRAEL IBA; 0510 English news & weather (Grenier 4/12). 2230-2300 EE News, Calling All Listeners//15485, 11655, 9435 (Zilmer 5/1, Kelly 4/17).
- 9825 ENGLAND BBC; 2349 Thai talking and identification, music (Bryan 4/22).
- 9850 EGYPT R. Cairo; 0350-0405 AA w/AA & folk music, bells at 0400 (Wiseblood 5/7).
- 9860 CHINA R. Peking; 1454 EE cmntry on revolution w/ID (Bryan 5/1).
- 9895 HOLLAND R. Nederland; *0928 EE ID to Europe, nx, His & Hers. Fair (Schipelliti 4/26). 2205 SS. Recognized Meyer's voiced ex 6085 (Earhart 5/8).
- 9815 ISRAEL IBA; 2230 EE w/Thank Goodness its Friday Program (Hoffman 4/22).
- 9915 ENGLAND BBC; 0300 EE ID, nx (Bryan 4/25). 2246 EE Sports summary (Hermann 4/23).
- 9977 KOREA (NORTH) R. Pyongyang; 1744 Arabic talk by a man (Bryan 5/1).
- 10040 VIETNAM VOV; 1420 Chinese talk with Vietnamese music (Bryan 5/1).
- 10060 VIETNAM VOV; 1459 Vietnamese talk and music (Bryan 5/1).
- 10110 ROMANIA R. Espana Independiente; 2324 News about the 'partido comunista d'Espana' and the reading of a list of candidates for membership in the party. Interference from a utility station//12140 (Sapoznikow 4/23).
- 10225 VIETNAM VOV (Hanoi); 1353 Vietnamese talk by a man (Bryan 4/22).
- 11290 CHINA R. Peking; 1401 Chinese talk by a man and woman (Bryan 4/22).
- 11330 CHINA R. Peking; 1107 Chinese talk by a man and woman (Bryan 5/1).
- 11350 KOREA (NORTH) KCBS; 1111 Korean talk and Marimba music (Bryan 5/1). 1715-1758 Korean easy-listening type music, then talking in Korean, National Anthem. (Wiseblood)
- 11375 CHINA R. Peking; 1407 talk by a man in an unidentified language (Bryan 4/22).
- 11472 PARAGUAY R. Primero de Marzo; (780 MW station) heard here as early as 0100 SS with ads in Guarani; 0332 distinctly mentioned 'red Garacol', but no IDs caught until 0359, mentioning 25kw; 0400 "Panorama Total de Noticias", opening with 'this day in (Paraguay) history', 0407 detailed futbol scores from Spain; 0412 Jim Piper Whisky sponsor, 0413 off abruptly. On RC SSB. Not heard next night! (Hauser).
- 11505 CHINA R. Peking; 0715 Chinese with South-East Asian music, military marches, talk in Chinese by a female (Wiseblood 4/23).
- 11515 CHINA R. Peking; 1758-1830* IS, ID by woman in an unidentified language, news. (Wiseblood 5/9).
- 11535 KOREA (NORTH) R. Pyongyang; 1122 Korean news read by a male (Bryan 5/1). 1445-1505 French with revolutionary opera music, talk in FF by a man (Wiseblood 5/9).
- 11620 INDIA AIR; 2200-2230 EE news, cmntry, ID (McGonnell 5/2, Sherman 4/5).
- 11625 ISRAEL IBA; 2000-2305 Hebrew talk, ads, news, phone interviews (Hayes, Zilmer).
- 11640 PAKISTAN R. Pakistan; 2115-2145 English with the Pakistan World Service. No references to political difficulties in Pakistan (Field, Hayes, Cohen).
- 11650 CHINA R. Peking; 1525 English talk on imperialism (Grenier 5/7).
- 11655 ISRAEL IBA; 2045-2055* French talking and identification (Hayes 5/3). 2230-2300 EE nx, Calling All Listeners//15485, 9815, 9435 to North America (Zilmer 5/1).
- 11660 CHINA R. Peking; *2030 English program with news, commentary and an Identification. (Sherman 4/25). -I have 11650 listed as the frequency! (editor)-
- 11672 PAKISTAN R. Pakistan; *2115-2145* English World Service of Radio Pakistan with news and music. Good signal (McGonnell 5/5).
- 11685 CHINA R. Peking; *1200-1230 English to East Coast of North America with news by a man, "Third World Marches On" cmntry by man and woman. (Fraser 4/13).
- 11690 USSR R. Kiev; *0030-0100* English to N. America with news, cmntry, special show: "60th Anniversary of the Soviet Communist Party" CW QRM. (Fraser 4/27).
- 11690 USSR R. Yerevan; 0323-0330* English talk on Armenian history, identification, sked, end of transmission with Armenian announcements of sked, freq & address (Roberts 4/2).
- 11700nf USSR Radio Moscow; 2225 Portugese service (Padula 4/23). 0030-0100 PP pgm (Padula).
- 11700 VATICAN STATE Vatican Radio; *0100-0114 IS, EE ID, news about religion in Russia, war in Lebanon, etc. Religious music. (Miller 5/5, Bryan 4/27, Valko 4/25, Earhart 5/8)

Thank you to all of the reporters to the June Log Report C111 Some good items were reported this month! Until next month, 73, *Lon*

PUBLISHERS CORNER:

- QSO/NASWA did not arrive in time for publication this month, it should return next month.
- Next month we will announce the details of 5 new awards courtesy of awards chairman Dan Henderson.
- This issue begins my 3rd year as publisher and I wish to acknowledge our printer for the past two years, Graphic Impressions Ltd. of South Holland, IL. They have got FRIENDX printed on time on all issues, even though on occasion I had received the bulletin from them at 9:30PM the night before the mailing.
- phone numbers of interest: for up to date propagation conditions call the Space Environmental Service Center, Boulder CO. 303-449-8129. They have reactivated giving 3 hr K values, A-Index and solar flux. Also for FCC press info you can call the FCC at 202-632-0002 and receive a twice a day update on FCC actions. Also Bial-A-Prop 516-883-6223 gives a weekly propagation forecast, mainly focusing on the ham bands.

log report *section* **D**

David L. Walcutt, Editor

11701 kHz. & above

JUNE, 1977

- 11705 SWEDEN RS; 2300-2330 EE to N.Am., nx, lbx, replaces 6045 and is // 9695, 6120 (Zilmer 5/1); 0108 Swedish, nx (Bryan 4/27)..
- 11705 VATICAN VR; 0100-0130 EE, rel nx, ID (Clark 4/27).
- 11710 NEW CALEDONIA R. Noumea; 0618-0823 FF, 0800 nx, exc. (Poppin 5/1).
- 11715 EGYPT R. Cairo; 0135-0140 SS, mx & tlk, covered by Switzerland at 0140 but loud enough to be heard under SBC (Earhart 5/6); 0200-0220 AA, mx, ID, nx (Hayes 5/3).
- 11715 PHILIPPINES VOA-Foro/Tinang; 1048-1100 RR, ID, QRM from Australia s/on 11720 (Earhart 5/6); 1130 EE, ID, pop mx (Bryan 5/1).
- 11715 SWITZERLAND SBC; 0145-0215 EE, nx, "Panorama", //9725 (Earhart 5/6, Zilmer 5/1); 0245-0259 GG; QRM w/R.Cairo's AA until Egypt's sign-off at 0259 with NA; SBC is clear at 0300 (Walcutt 5/19).
- 11720 AUSTRALIA RA; 1100+ EE, nx about strike in Australia, riot in Japan (Earhart 5/6); *1300-1400* JJ, mx, M tlk (C.Sherman 4/23).
- 11725 CUBA RHC; 0220-0240 EE, disc. Soviet medicine (Grebowsky 4/22); 0335-0358 EE, horrible QRM that sounded like jamming (Bogel 4/7).
- 11730 GREECE VOG; 0022-0029 EE, nx, ID (Schipelliti 4/17); 0225 EE, N.Am. Svc., fair/poor (Cohen 4/19); 0330-0350 ?-lang, Greek mx (Potisk 4/16).
- 11730 USSR RM; 1225 EE, "R. Tashkent", contest, Oriental mx (Cohen 4/29). Several local stations' pgms appear on a given xmtr, together with regular RM & RSP&P pgms, so it is questionable whether this is Uzbek SSR which you suggest, in the absence of firm positive evidence. In any event it is RM facilities. Others please take note! -ed.
- 11740 AUSTRALIA RA; *0358-0415 EE, IS, ID, nx by M, fair (Cohen 4/16).
- 11745 USSR RM; 2356 EE, tlk on new-type power system, mx (Lambard 4/20).
- 11750 BULGARIA R. Sofia; *2100-2200 EE, ID, mx, BBC W.S. co-channel (C.Sherman 4/25, Schipelliti 4/25). R. Moscow via R. Sofia; 2330 EE to N.Am., BBC W.S. QRM, same mess as last year... (Walcutt 5/18).
- 11750 JAPAN FEN; 0650-0700 EE, v. good w/ EL mx, ID, nx (Wiselood 4/23).
- 11760 CUBA RHC; 2340-2359, progressive rock mx - - never heard before from Cuba! (Wiselood 5/7); 0200 EE, mailbox pgm w/mx (Kelly 4/17); 0300-0330 FF, nx, comment (Grebowsky 4/14).
- 11780 SPAIN RTVE; 0120 SS, mx w/tlk by M&W (Kelly 4/21).
- 11789.2 INDONESIA VOI; 1130-1200 EE, mx, tlk, IDs (Hayes 5/4, C.Sherman 4/13); 1325-1340 FF, "Ici Jakarta, la voix de l'Indonésie" (Roberts 4/5); 1400 EE, IDs & mx (Grenier 5/7); 1420-1450 EE, my first logging of Indonesia (Sapoznikow 4/23); 1539-1555 AA, mx (Poppin 4/8).
- 11790 USSR R. Sta. Atlantika; 1700-1725 RR, many IDs by W, IS at 1712 mid-broadcast, fast instrumental mx, good (Gavaras 4/24).
- 11810 ANTIGUA DW; *1000-1035* PP, //9640; this gives 4 Caribbean xmtrs in use simultaneously as 6085, 9735 on in SS same time period (Padula 4/13); 1002 PP to Brazil, off air relay, giving time as 21:32 in Brasilia, so obviously a repeat of previous evening. Maybe they should forego the time checks... (Hauser-TN 5/3).
- 11810 ITALY RAI; 0115-0122 EE/FF to N.Am., interview, //9575 (Earhart 5/8; 0230 Italian nx, tlk, //11905 (Hayes 5/1).
- 11815 POLAND R. Warsaw; 0301-0355 EE/Polish, ID, cmntry, lbx, into Polish lang. at 0331, extreme QRM; "R. Europa Libera" at 0355; good to hear Lech's stn, I dedicate this reception to Bill Oliver - Happy Days, Bill! (Poppin 5/6). Thanks for your note to me, too -ed.
- 11815 INDIA AIR G.O.S.; 2315+ EE, nx, cmntry, //11770 (Bunn-AUST 4/22).
- 11820 AUSTRALIA RA; 1200-1210 Indo, ID, EE lessons, g (Schipelliti 4/25).
- 11821.5 KOREA S. R. Korea; 1340-1400* EE, dx pgm, poor (Walcutt 5/23).
- 11835 URUGUAY R. El Espectador; 0130-0200 SS, mx, ads (Hayes 4/25); 0135 SS, soccer-cast, brief mx, ads (Bryan 4/27); 0125-0135 SS, fast talking M who got excited now & then (Earhart 4/21); 0146-0205 SS, "Theme from Mohogany" & other songs, ads, poor (Gavaras 4/23).
- 11840 JAPAN NHK; 0250 SS, M&W tlk (Bryan 4/28).

- 11845 CANADA RCI; 0210 EE, features, //9535 (Noonan 5/8).
- 11845 FRANCE RFI; 1615-1635 EE, "Spotlight on Africa" (Sullivan 4/23).
- 11845 HOLLAND RN; 2323 SS, mx, //6020, 9895, 11730 (all Lopik) (Noonan 4/15).
- 11845 KUWAIT RK; 1740-1755 EE, nx, wx, R&R mx, good (Brooker 4/17).
- 11845 SWEDEN RS; 2058 FF (Noonan 5/2); 2115 EE, lbx (Mayer 5/1).
- 11850NF ANTIGUA/MONTSERRAT BBC W.S.; 0444*, perhaps just test, all relayed off air, no tape playing; 9700 may have replaced it (Hauser 4/15).
- 11855 SAUDI ARABIA BSKSA; 2145-2200* EE, mx, M religious tlk (Sherman 4/24).
- 11860 KOREA S. RK; 1130-1150 EE, talks on Korean topics, good, //9665 (poor) (Zilmer 4/17, Earhart 4/28, Mayer 5/5).
- 11865.8 BRAZIL R. Clube de Pernam.; 0305-0320 PP, discuss. (Grebowsky 4/26).
- 11870 USSR RM; 0200 EE to N.Am., usual monologues, exc (Walcutt 5/25).
- 11875 PORTUGAL RP; 0025 SS svce to Venezuela, PP ballads (Padula 4/17).
- 11877 BRAZIL R. S. da Bahia; 0150-0210 PP, Braz. mx, strong (Potisk 4/16).
- 11880 CANARY IS. RNE; *2045 SS, s/on anmts, ID for Canaries (Bolithe 4/20); 0100-0330 EE "V. of Spain" pgm: Spanish wines from Seville, "Art Review" (Hoffmann 4/13, Grebowsky 4/28, Earhart 5/7).
- 11880 TURKEY TRT; 0412-0500 Turkish, mx & songs, jamming (Poppin 4/27).
- 11905 SWEDEN RS; 0030-0100 EE, lbx to N.Am., ex-6045, poor (Zilmer 5/1).
- 11905 TAIWAN VOF; 0705-0715 CC, W in CC, fair (Wiselblood 4/23).
- 11910 MALAYSIA BGC-Tebrau; 1215 Thai, IS w/ s/on (Bryan 5/1).
- 11910 USSR RSP&P; 0106 PP to Brazil, nx roundup (Padula-AUST 4/23).
- 11935 PORTUGAL RP; 0303-0316 EE, good (Earhart 5/7). Buried beneath anti-RFE/RL Soviet jammers today at this time (Walcutt 5/25).
- 11937.7 KHMER REP. R. Phnom Penh; 1200-1600* Cambodian, lots of tlk, local mx, probably on late due to 2nd anniv. of communist gov't, good (Mayer 4/10); 1200+ unid. lang, string mx & vocals; s/offs between 1257 & 1304 (Cress 4/25 & 27); twangy Cambodian talk at 1240 ment. Phnom-Penh frequently, mostly mx after 1245 (Hauser 4/13); 1215-1248 Cam. tlks w/ short divider pieces of mx (Walcutt 5/23).
- 11940 AUSTRALIA RA; 0430 EE to Af. & As., by a back lobe? (Lambard 4/23).
- 11940 SINGAPORE RS; 1555-1631* EE, IDs, YL DJ, excellent (Poppin 4/14).
- 11960 UK VOA-Woolferton; 1610-1615 ?-lang, M tlk on lx (Dubrick 5/8).
- 11960 ISRAEL Israel R.; 2000-2030 EE, "Calling All List'rs" (Zilmer 5/1).
- 11970 BULGARIA R. Sofia; 2115 EE, May Day tlks, difficult to copy due to co-channel QRM from Tunisia (Mayer 5/1).
- 11970NF MONTSERRAT? DW; 1205-1220 GG, relay off air, 1220* off without ID, tho //11810 continued to ID as Caribbean Relay Station (Hauser 4/10).
- 11970 USSR RM; 0715-0732 CC, Chinese mx on stringed inst (Wiselblood 4/23).
- 11990 CZECHOSLOVAKIA R. Prague; *0056 w/IS QRMING RS Rodina (Walcutt 5/14).
- 12000 USSR RM; 0415 EE to N.Am., QRM from VNG and UTEs, //12050 (Walcutt 5/25); 0615 ?-lang, under VNG (Lambard 4/23). Looks like your unid.
- 12012 COSTA RICA R. Relej; 0351 SS, here's a harmonic everybody should be able to hear; often, reception is better than on R.Relej's 6006 fundamental; accurate TCs, another oddity for an L.Am! (Hauser 4/30).
- 12045 ISRAEL IBA; 0505 EE, nx & weather (Grenier 5/2).
- 12050 USSR RM; 0450 EE, mailbag program (Grenier 5/2).
- 12055 UNID. 0134-0139*, S.As. mx, weak, abrupt off at 0139 (Mackay 4/21).
- 12078 ISRAEL IBA (Home Service); 2000-2305 Hebrew, tlk, mx, ads, wx, cmnt, //11625, 9355 (Zilmer 5/1).
- 12095 UK BBC W.S.; 1540 EE, sports (Alexander 4/30).
- 12140 ROMANIA R. España Ind.; 2114-2125 SS, political tlk by M, mentions of Franco, ID by W with music (Potisk 5/3).
- 12170 ANTIGUA DW; 0417 GG, 6085 x 2 (Hauser 5/1).
- 12380 NETH. ANTILLES; 0350 Russian, EE ID, 6190 x 2 (Hauser 4/30).
- 13249.5 VENEZUELA R. Euzkadi; 2132-2139 SS, M tlk in measured words, ID at 2137 & then choir-type number, more talk; hum in signal (Earhart 4/28); 2135-2205 SS, ID, mx, tlk, good (Alexander 4/30). According to the BBC M.S., 4/30 was the last day ever for this station! -ed
- 15008.8 VIETNAM VOV; 1440-1448 JJ, W tlk, g (Wiselblood 4/28); 1504-1520 JJ, Viet mx w/JJ ann'ts (Walcutt 5/7); 1755-1815 EE, Viet mx, anthem, EE nx, cmtry "Vietnam in Construction", fair/good (Roberts-MAN 5/23); *1800 EE ID, sched, nx, poor (Cohen-NJ 4/30). Freq. varies
- 15045 CHINA RP; 1347 unid. lang., Chinese opera (Schwartz 4/30).
- 15060 CHINA RP; 0039-0210 EE, revolutionary reminiscences, "In The People's Commune" pgm (Schwartz 5/7, Grebowsky 4/22, Bryan 4/28).
- 15070 CHINA RP; 0320-0325+ EE, cmtry U.S./Viet relations (Wiselblood 5/7).
- 15080 CHINA RP; 0004 SS, ID, nx, fair (Schwartz 4/26).
- 15084 IRAN NIRT; 1315-1953 Farsi, fair/good (5 reporters).

- 15090 UNID.; 1650-1729* Swahili?, ment. Dar-es-Salaam, Mobutu, Andrew Young, M&W talk; strong (Schwartz 5/7, Mackay 5/1). VOA-ish -ed.
- 15095 CHINA RP; 0320-0325 GG, good w/harp mx (Wiseblood 5/7).
- 15100 ISRAEL IBA; 1200-1230 EE, nx, ads, wx, //17815, 15485, 15405, 11655 (Zilmer 5/1); 1205-1230 EE, 1230 into FF (Grebowsky 4/12).
- 15105 ASCENSION IS. BBC W.S.; 1700, story, mx, M, ID, nx (Bryan 4/24).
- 15104.6 GRENADA RG; 2035-2145 EE, nx, greetings to listeners, ads, pop mx, M DJ, fair/poor (Brooker 4/28, C.Hoffman-PA 4/30).
- 15110 USA WYFR; 1640-1652 EE, "R. Reading Circle", and d//11805, 17845 (all to Eur., 17845 also to E.Af.), splattered by HCJB (Walc't 5/25).
- 15115 ECUADOR HCJB; 1220-1235 EE, mx, Radio Bible Institute (Grebowsky 4/12); 1315-1410 EE, "Morning in the Mountains" (Craig 4/18, 5/4; Fraser 4/11); 1530 EE, "Cathedral of the Andes" (Swanson 4/10); 1537 EE, rel mx (Bryan 4/24); 1655 Czech to N.Am. (Walcutt 5/25).
- 15115 PORTUGAL RFE; 1957-2010 Bulgarian, mx by Genesis (Hermann 4/17).
- 15120 NIGERIA NBC-Ikorodu; 1809 EE, lcl mx & tlk abt tribal customs, f (Miller-OH 5/8); 1925-1935 EE, jazz, drums, ID by M, W ann'r (Durbick 5/8); 2205-2229 EE/?-lang., ID, TC, rel pgm (Alintuck 4/18).
- 15120 VATICAN VR; 1715* EE to Afr. (Cohen 4/22). Is FF now at this time -ed. 2112-2125 FF/EE, cmnt on Rhodesia bishops' meet (Earhart 5/6).
- 15130 NEW ZEALAND RNZ; 0112-0430 EE, musical pgm, good (Schipelliti 4/25, Grebowsky 4/22, Brooker 4/19, Onken 4/21, Bryan 4/21, Cohen 4/22, Cady 5/16-sorry I missed you in Chicago! -ed).
- 15130 USA WYFR; 2340-2350 RR, 2350-0000 EE, 0000+ GG, rel tlk (Potisk 4/15); 0035-0050 GG, rel pgm (Grebowsky 4/21).
- 15135 AUSTRIA Os.RF; 1915 GG, ballads for S.Af., longpath (Padula 4/16).
- 15140 FRANCE RFI; 1540 FF, M, tlk, rock mx (Bryan 4/24).
- 15140 AUSTRALIA RA; 0445 EE, pops, poor (Walcutt 5/23).
- 15145 BRAZIL R. J. do Comercio; 1853 PP, M, Soccer game (Bryan 4/24).
- 15150 GERMANY DW; 1925 Hausa to 1930 EE to 2000 FF, German site, for Af., racial equality tlk (Padula 4/16, Hoffman 4/23, Schipelliti 4/25).
- 15150 USSR-Simferopol (Ukrainian SSR) RM; 1050 RR, Mayak pgm, non-stop mx to 1100 when an IS & TC followed by W in RR (Earhart 5/7); 1415-1440 RR, R. Rodina pgm, folk mx, 1430 ID, tlk by M&W over telephone, piano sonata (Craig 5/4); 1730-1800* RR, Mayak pgm, f, //15455 better, site suggested by UHN #5 & fade pattern rel. to 15455 (Walcutt 5/25).
- 15155 FRANCE RFI; 1440-1505 FF, variety 1950's-style (Craig 5/4).
- 15160 AUSTRALIA RA; 0200 Pac. Svc., ID, nx, poor (Cohen 4/19).
- 15165 DENMARK RD; 1558-1601 EE&DD w/ann't that station is exclusively DD (Sapoznikow 5/1); 1603 DD mx, ID (Schwartz 4/3); 1800 EE/DD, ann't in EE then music & news in Danish, fair (George 4/22).
- 15175.8 MEXICO XEWX, L. V. America Latina; 0220-0300+ SS, first time this stn noted on 19m ever! (Padula-AUST 4/7); 1630 SS, soap opera & baby food ads, QRM at 1638, apparently ex-15160 (Walcutt 4/29).
- 15175 NORWAY RN; 1400 EE, tlk on N. Sea oil spill (C.Hoffman-PA 4/24); 1515 NN, rel pgm (Bryan 5/1); 1600-1630 EE, "Nx & Views", "Listeners' Corner" (Fraser 4/17); 1800 EE, capping oil well (Jones-MISS 5/1).
- 15180 USSR RM; 2320 EE "R. Vilnius" pgm, mx, "R. Rodina" at 2330 (Noonan 5/7); 0030-0100 EE, "R. Kiev" pgm, Ukr. Panorama (Grebowsky 4/27).
- 15205NF AUSTRALIA RA; 0418 EE to Africa, poor (Hauser 5/1); 0445 EE, "Here & There", //15160, 15240, 15320, 17870 (Noonan 5/8).
- 15220 HUNGARY R. Budapest; 2300 SS, IS, nx (Noonan 5/7).
- 15220 PHILIPPINES VOA-Poro/Tinang; 0220 EE, nx abt. Husein (Bryan 4/28).
- 15230 CUBA RHC; 0000-0040 SS, nx, cmnt, interviews (Grebowsky 4/12).
- 15230 ISRAEL Israel R.; 1800 RR, tlk, fair, jammed (Zilmer 5/1).
- 15240 ISRAEL Israel R.; 1800 RR, tlk, jammed, poor (Zilmer 5/1); *2000-2030 EE, into FF, cmnt, dx pgm (Sherman 4/24, Hermann 4/17).
- 15245 BRAZIL RNB; 2100 GG into EE to 2200*, Brazil culture & mx pgms, strong het (Sapoznikow 4/24, Cohen 4/22, Hermann 4/19, Grebowsky 4/29).
- 15245v ZAIRE La Voix du Zaire; 2045-2105 FF, Afr. mx (Hermann 4/17).
- 15250 ROMANIA R. Bucharest; 1311-1315 EE to Eur., fair (Schipelliti 4/25).
- 15265 FINLAND RF; 1900 EE, lbx, mx, poor, //11755 (barely audible) (Cress 5/1); 1900 & 2030 EE, lbx to W.Eur., poor (Zilmer 5/1).
- 15273 URUGUAY SODRE; 0045-0055 SS, ID at 0045 then Beatles mx (Mayer 5/3).
- 15290 ARGENTINA R. El Mundo; 0115-0135, tlk, mx, weak (Grebowsky 4/21).
- 15290 AUSTRALIA RA; 0402-0415 EE, nx, cmnt, poor (Grebowsky 4/21).
- 15290 PHILIPPINES VOA-Tinang/Poro; 2350 EE, pop mx, talk, nx (Bolitho 4/3); 0030 EE w/chatty DJ, fluttery, 0100 s/off w/site (Cohen 4/24).
- 15295 USSR RM; 1155-1230 EE/CC, RSP&P, tlk, mx (Grebowsky 4/17).

- 15300 CUBA RHC; 1750 SS, mx, ID, address (Noonan 5/8). NF? -ed.
- 15300 ECUADOR HCJB; 0215-0225 FF, ID, mx, exc. (Grebowsky 4/7); 1933 EE, M&W reading letters, ID (Bryan 4/24).
- 15300 FRANCE RFI; 1600 FF, EE; band mx, time pips, EE ID (Bryan 4/24).
- 15300 JAPAN NHK; 0000 EE, N.Am. Svc., pgm on policewomen (Lambard 4/17).
- 15305 SWEDEN RS; 1236-1240 EE, ID, tlks abt pensions & social security, g (Schipelliti 4/25); 1400-1430 EE, tlk on Norway oil spill, mailbag (Hoffmann 5/1); 1428 EE, mailbag pgm (Schwartz 4/24).
- 15305 SWITZERLAND SBC; 1815 Italian, IS, ID, nx (Jones 5/1); 2300 Portuguese, IS, IDs, nx (Noonan 5/7).
- 15310 ECUADOR HCJB; 1607 FF, rel pgm (Bryan 4/24).
- 15315 FRANCE RFI; 1600-1655 EE, "Paris Calling Africa", interviews, nx, fair/poor on this & //s:17860, 17850, 17720, 15300, 15210, 15200, 11845 (Craig 5/4); 1612 EE, nx, ID (Bryan 4/24).
- 15320 AUSTRALIA RA; *0100-0220 EE, ID, mx, nx, lbx, to N.Am., //15410 to As. heard (Alexander 5/1); 0110-0115 EE, "Focus on Australia", nx, TCs, good (Schipelliti-MASS 4/25); 0409 EE, nx, ID (Bryan-CA 4/21).
- 15325 PAKISTAN RP; *0200-0215 Indo., IS, ID into nx & Pakistani music, severe fading (Mayer-IL 4/25).
- 15325 UGANDA UBC; *1800 EE, pop mx, M w/nx 1815, W ID (C.Sherman 4/9); 1810 EE, those Ugandans sure have a sense of humor; over RCI with folky songs "Leaving on a Jet Plane", "I Need Your Love" (Hauser 4/23); 1816-1830* EE, nx, mx, has been putting in a good signal over RCI recently (Bolitho 4/22).
- 15330 USA AFRTS via VOA-Bethany; 2130 EE, tlk on Esperanto with Australian ambassador Ralph Harrick (Lambard 4/26).
- 15335 AUSTRIA ORF; 1655 & 1845 EE, IS noted from 1655, Eur. sports nx in EE 1845, het w/R. Nac. (Cress-VA 4/18); 1712 GG (Schwartz 5/1).
- 15335v COLOMBIA R. Nacional; 0200 SS tlk, poor (Hersh 5/4); 0300-0330 SS, talk, classical music (Grebowsky 4/21).
- 15340 CUBA R. Habana Cuba; 0105-0125 SS, speech: Castro? (Grebowsky 4/12).
- 15345 ARGENTINA R. Nacional; 1620 SS, M&W nx, ID (Bryan 4/24).
- 15349.8 ZAIRE La Voix du Zaire; 1920-0250 FF/unid.lang. (8 reporters).
- 15355 AUSTRALIA; RA; 0358 EE, Kookabura, W annor., Matilda (Bryan 4/21).
- 15355 USA KGEI; 0120-0130 SS, religious programming (Grebowsky 4/23).
- 15365 CANADA BBC W.S.- Sackville; 1710-1730, soccer, poor (Greb'y 4/30).
- 15375NF EGYPT R. Cairo; 2000 unid. lang., ID, then into Koran Readings at 2003, //s 15210 & 15335 also heard, not sure which svc. (Padula 4/16).
- 15385 MEXICO R. Mexico; 0035-0210 SS, mx, tlk (Grebowsky 4/14).
- 15395 USSR R. Station Peace & Progress; 1145-1200 EE (Grebowsky 4/13).
- 15400 ASCENSION IS. BBC W.S.; 1708, nx about Cairo riots (Bryan 4/24).
- 15400 VENEZUELA R. Nacional; 2135-2245 EE, Venez. descrip. (Grebowsky 4/25).
- 15405 ISRAEL IBA (H.S.); 1200-1230 EE, nx, ads, wx, poor (Zilmer 5/1).
- 15405 USSR "R. Kiev"; 2210-2220 Ukrainian, tlk, ID; 0030-0100 EE (Noonan 5/7, Padula-AUST 4/23).
- 15410 ANTIGUA DW; *2200 after local ID, into GG, replaces Kigali on this channel which has moved to 9700 (Padula 4/9). Has anybody got hold of a schedule apportioning DW & BBC between Antigua & Montserrat?
- 15415 ISRAEL Israel R.; 1800 RR, tlk, jammed, poor (Zilmer 5/1).
- 15420 JAPAN NHK; 0135 EE, M, nx, ID (Bryan 4/25); 0205-0250 EE, M&W tell story, poor (Grebowsky 4/14).
- 15425 AUSTRALIA ABC-Perth; 0404 EE, Australian nx (Bryan 4/25).
- 15425 SRI LANKA SIBC; 0100-0130 EE, musical request show, TCs, good (Mayer 5/1); 0130 EE, "The Body" (semi-religious), poor (Zilmer 4/24); 0332-0405 EE, "V. of Prophecy" pgm, TC (Roberts 4/2).
- 15425 USSR R. Moscow; 0155-0210 EE, nx, cmntry, weak (Grebowsky 4/22). Heard 5/24 with gobs of QRM, at 0145, from SLBC, above -ed.
- 15430 SEYCHELLES FEBA; 0900-0930* FF, to Ind.Ocean isles (Padula 4/16).
- 15435 AUSTRIA ORF; *2100-2130 GG, nx, documentary, mx (Roberts 4/30).
- 15435 CHINA R. Peking; 0105-0230 EE, nx & Mao (Sherman & Grebowsky 4/27).
- 15435 TANZANIA RT; 1905-1915 EE, nx of Africa, fair (Mayer 4/17).
- 15440 FRANCE RFI; *1100 FF, previously s/on was 1200; earlier now due to summer time in France; for America (Padula 4/17).
- 15445 LIBERIA VOA-Monrovia; 1940 EE, children singing (Bryan 4/24).
- 15455 USSR-Simferopol (Ukrainian SSR); 1344-1405 RR, R.S.Atlantika to 1400, then R.S.Rodina, pops mixed w/semi-classical (Earhart 5/7).
- 15485 ISRAEL Israel R.; 2230-2300 EE to N.Am., nx, "Calling all Listeners", ann'd //s 11655, 9815, 9435 (Zilmer 5/1).

- 15510 ROMANIA R. España Independiente; 1230 SS, tlk & mx, very pretty chime (IS) at 1258 and ID, fair (Zilmer 4/30).
- 15512 ISRAEL Israel R.; 2000-2030 EE, poor, //11555 etc. (Zilmer 5/1).
- 15520 PAKISTAN RP; 1525-1630*, Urdu?, So.As. mx, WTE QRM (Mackay 4/23).
- 15547 ISRAEL Israel R.; 1800 RR, tlk, jammed, fair (Zilmer 5/1). IBA; 1932-2000 Hebrew H.S. (presumably), time pips on hour (Walcutt 5/20).
- 15970 CUBA RHC spur; 1320 SS, Fidel praising Raul Roa (Hauser 4/30).
- 17665 PAKISTAN RP; 1040 Urdu, local singing (C.Sherman 5/4).
- 17680 CHINA R. Peking; 0000-0153 EE to N.Am., fair (Wiselwood 4/28); 0105 EE, nx, political comment, fair (Cohen-NJ 4/28).
- 17700 HOLLAND RN-Lopik; *1830-1950* EE, nx, cmntry, mx (C.Sherman 4/30).
- 17705 UK BBC W.S.- Daventry; 1558-1605, soccer scores, nx, fair signal, rare during sunset minimum (Wiselwood 4/28); 1710-1720, on Zaire, Rwanda meet, re Afr. Airline, etc., weak (Hermann 4/18).
- 17720 FRANCE RFI; 1600-1605 FF/EE, M in EE giving meter bands, then FF African mx (Wiselwood 4/28); 1748-1805 FF, orch & vocal pop mx, this freq was scheduled to 1800 in April, later now (Earhart 5/8).
- 17720 USSR-Petropavlovsk-Kamchatskiy (Asian RSPSR); 0030 RR (Bryan 4/25).
- 17720 USA WINB; 1830 EE, ID, QRM underneath (Walcutt 5/22).
- 17725 EGYPT R. Cairo; 1650-1730+ AA (however, per BECMS this is "Voice of Africa" in Zulu at this time -ed), AA mx, bells denoting 1/2-hour at 1730, M&W (Wiselwood 5/7). "V. of Africa" is pgm of R.Cairo -ed.
- 17730 IRAN (tent.) NIRT; 1705-1715 Farsi, singing, tlk (Dubrick 5/8).
- 17745 EGYPT R.Cairo; 1437 AA, mx, cmntry (Schwartz 5/8); 1650-1730+ AA, not //17725, good (Wiselwood 5/7); 1803* AA (Walcutt 5/22).
- 17765 USSR RM; 1643-1702 EE, on African, Russian Rev. (Hermann 4/18).
- 17776 v SAUDI ARABIA BSKSA; 1935-2015 AA, IDs, Saudi pops, echo chamber during 2015 ann't by W; Saudi certainly loosening up! (Walcutt 5/22).
- 17785 EGYPT R. Cairo; 1700-1815* prob. African lang., theme music at 1700 reveals it's Cairo; BECMS had it to 1845 (Hauser 4/21).
- 17785 SWEDEN RS; 1205 Swedish to Far East, nx, ex-15405 (Padula 4/3).
- 17795 AUSTRALIA RA-Shepparton; *0100-0300 EE, nx, current affairs, MOR mx, 0130 nx in brief, good (Onken 4/12); 0140, computerized hearing aids (Bryan 4/22); 0130-0150 EE, tlk on antiques (Craig 4/12).
- 17795 SWEDEN RS; 1400-1420 EE, nx, ltx to S.As., //15305 (Zilmer 5/1).
- 17810 PHILIPPINES FEBG; 0005-0010+ EE, sermon, good (Wiselwood 5/5); 0030 EE, rel classical mx, freq sched, nx (Bryan 4/22).
- 17815 ISRAEL Israel R.; 1800 RR, tlk, jammed, fair (Zilmer 5/1).
- 17815 BRAZIL R. Cultura de São Paulo; 0459 PP, ID, poor, best on band (Hauser 5/2). Hey, that's super! I'm looking for it too! -ed.
- 17820 CANADA RCI; 1655 EE, talk on Quebec's "Frankization" (Lambard 4/5).
- 17825 JAPAN NHK; 0130 EE, s/on of EE pgm, freq sched (Bryan 4/22); 0155-0215 EE, Japan pops, "Tokyo Calling" dx show w/W (Dubrick 5/2).
- 17825 VATICAN VR; *1505 EE, IS, ID, rel pgm to India (Cohen-NJ 4/22).
- 17830 SWITZERLAND SBC; 1545-1600 EE, Afr. Svc., energy tlk (Dubrick 5/8).
- 17840 ASCENSION IS. BBC W.S.; 1505-1530 EE (Hoffmann 5/1, Bryan 4/24).
- 17840 CZECHOSLOVAKIA R. Prague; 1615-1625 EE to Afr., cmnt (Hermann 4/18).
- 17850 FRANCE RFI; 1250 Sat FF, mailbag pgm to Afr., //17865 (Hauser 4/30).
- 17865 USA WYFR; 1655 GG to 1700 AA, rel pgm (Lambard 4/5).
- 17870 AUSTRALIA RA; 0158-0535 EE, pop mx (Bryan 4/28, Wiselwood 4/23).
- 17880 JAPAN NHK; 0115-0127 JJ, nx by M (Wiselwood 4/23, Bryan 4/22).
- 17880 MALAYSIA BBC W.S.- Tebrau; *0000-0036 (Wiselwood 5/5, Bryan 4/22).
- 17885 USSR RM; 1520-1530 EE, Afr. Svc. w/features (Dubrick 5/8).
- 17920 EGYPT R. Cairo; 1055 AA, mx w/short ann'ts by W between selections (C.Hoffman 4/30); 1343 EE, W gives ID, describes mx (Miller 5/5).
- 18180 CUBA RHC; 2235 SS, 6060 x 3, v.poor, CW QRM (Hauser 4/25).
- 21485 VATICAN VR; *1058 FF to Afr., exc., sunspots up? (Padula 4/22).
- 21515 USSR RSP&P; 1045 EE to S.As., ex-21505?, summer sched. (Padula 4/22).
- 21535 SOUTH AFRICA R. RSA; 1445 EE, area cmntry, exc. sig. (Cress 5/5).
- 21580 FRANCE RFI; 1745-1755 FF, poor (Walcutt 5/21).
- 21600 USA VOA-unlisted freq/site; 1720 ?-lang, 1730-1830* PP (Walcutt 5/22).
- 21640 NETH. ANTILLES RN-Bonaire; 1819 DD, class. mx (Bryan 4/24).
- 21670 USA VOA-Greenville; 1735-1750 EE, opium interview (Dubrick 5/7).
- 23840 ASCENSION IS. BBC W.S.; 2208, 5960 x 4, on 5960 it QRMs Canada to 2245, clear of QRM here, comparable to 24020 (6005 x 4) (Hauser 5/4).
- 23960 BRAZIL A Voz do Brasil; 2215 PP, 5990 x 4?; good harm. opening (you mean g.h. opening, no? hi -ed.) (Hauser 4/29).
- 24329.7 PERU R. Nac.; 2245 SS, 6082.4 x 4, ment. Peru (Hauser 4/26).



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Thank you to the 58 reporters who did report. How about you who didn't send in material? I've noted that a number of the more well-known DXers in NASWA report seldomly at best, or never at all. Get with it, Guys! **CONTRIBUTE!!!!** Is your name included in this list?.....

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*** IF YOU** have any "Helping Hand" or "Wanted" items that you would like publish- ed, that pertain to our hobby, send them to me, and I'll publish as space **A REFRESHER COURSE ON REPORTING PROCEDURES:** I'm repeating this /permits. from last November's edition, and hope that you'll follow them, as it makes things alot easier and more understandable for the Editors.

① If possible, use NASWA report forms, which can be gotten from me for 28¢ in stamps, plus a large envelope. This will get you 20 report forms (which will give you room for 200 reports) via 3rd class mail.

② If you can't afford the forms, or just plain want to be stubborn about it, then double-space between each line, and triple space between each report.

③ Write or type up your reports from the lowest frequency to the highest.

④ Cut apart the reports from each other, & put in order from lowest to high.

⑤ If you don't use the report forms, then use a heavy paper, not onion skin!

⑥ Write or type on only one side of the paper or forms.

⑦ Send the reports to me, not the Editor of the individual Log Report column.

⑧ Lastly, be a little neat. I have thrown reports that were unreadable, written on both sides of the paper, singlespaced, name not given anywhere, etc.

⑨ The only other reason that your report may not make it to print, is because the editors had a valid reason, or my 1-year-old daughter ate, tore, or munched them up. This actually happened once, but hopefully not again!

ANARC '77: I will be going to the 1977 ANARC convention at Schaumburg, IL, and would urge as many members as possible to attend. I would think it well worth your while to enjoy July 15, 16, & 17 there. I hope to meet alot of you there. You'll find me working on Bishop's collection! HI/Hil 73's, *Greg Ravenhorst*

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