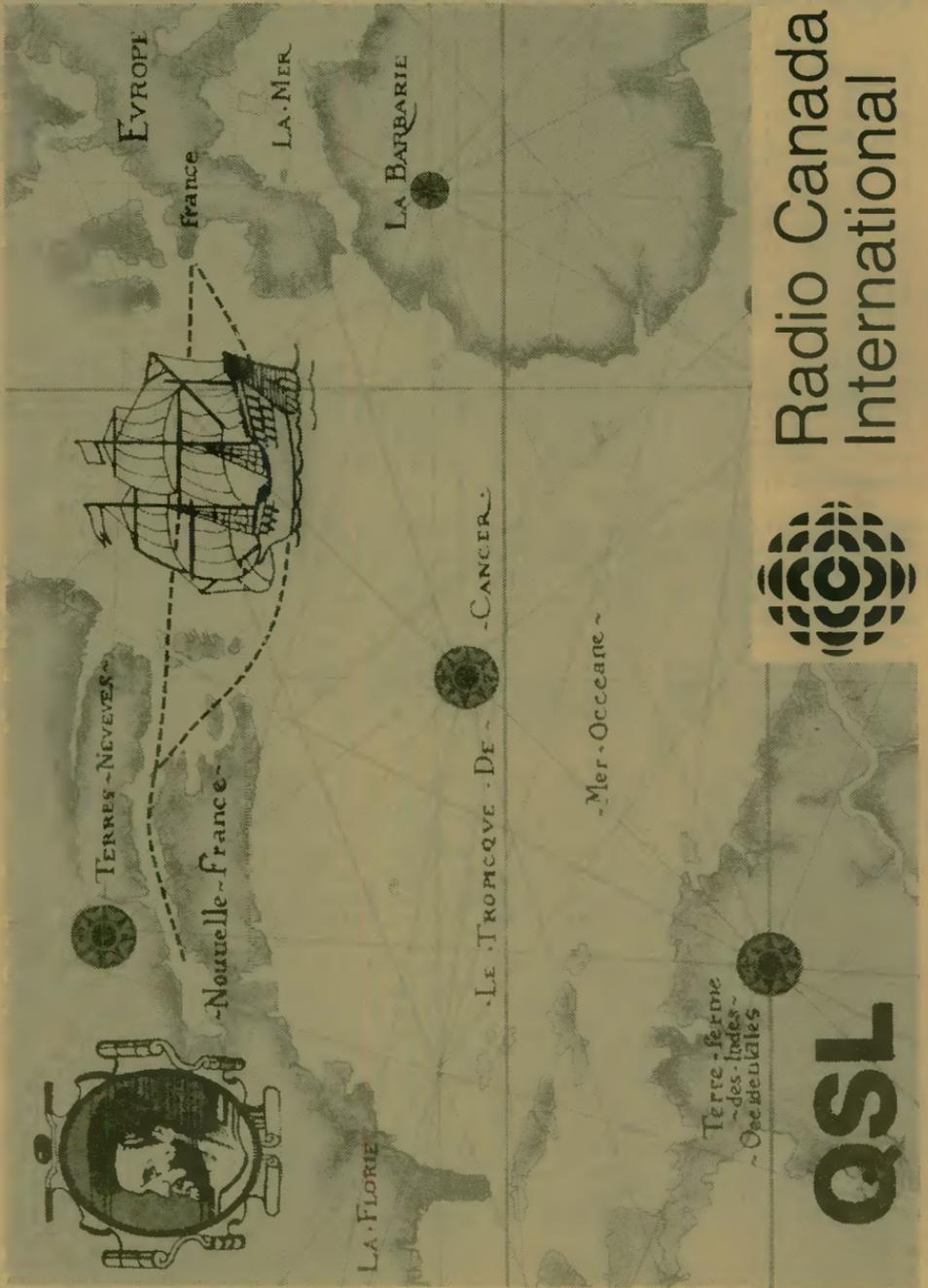


FRENDX



Radio Canada
International



QSL

NO COLLECT CALLS ON THESE ADS, PLEASE

WANTED: Hallicrafters SX-122 in excellent shape. Write to Peter Pompe, 38 Val du Prince, B-1950 Kraainem, Belgium.

FOR SALE: ICOM IC-R70 receiver with AM wide and narrow 2.3 SSB. Also has 8 pole crystal, ICOM external speaker, ICOM GC-4 world clock, HP-1 headphones, MFJ 102 clock, Grove minituner. Also past issues of FRENEX '78 to present, Speedx '78 to present. Also brand new Datong AD370 antenna, Radio West ferrite loop with three coils, WRTH '78 to present, and over 165 shortwave station pennants all different. Some really good pennants here. All of the above for \$950.00 postage and insurance included. Radio and equipment is six months old. Steve Leite, 190 Healy Street, Fall River, MA 02723. Phone (617) 675-2830 from 2100 to 0200 GMT.

FOR SALE: Panasonic RF-4900 (530 to 30000 kHz and FM) digital receiver with original manual. In excellent condition. Price \$225.00 including UPS shipping and insurance. Money order only. Terry L. Krueger, P.O. Box 587, Largo, FL 34294-0587. Phone (813) 581-2063 2230 to 0430 GMT.

FOR SALE: Galaxy R530, SC-530 speaker with manuals, \$190.00 shipped UPS. FRENEX, complete 1983, \$5.00. Confidential Frequency list (4th edition), How to Listen to the World 1959, 63-64, 65-66 71, 72, \$3.50 each. Shipping included. Cashiers check or money order, please. Al Drehmann, 11714 SW 129 Court, Miami, FL 33186. Phone (305) 385-3879.

NOTICE: There is a new telephone service for DXers in the Washington, DC area called The Shortwave Hotline. It is a resource for SWL's which allows instant access to tips left on the system by other users. As soon as a DX tip is left it is immediately available to users of the system. This sometimes allows you to tune in rare or unusual stations only minutes after they have been reported. Call (301) 231-3730 and leave your name and address at the tone for further information. This information comes through the courtesy of Kevin Strom, Annandale, VA. Thanks, Kevin.

FOR SALE: Tropical Band Guide 1984. Lists 2000-5900 kHz stations heard and reported in FRENEX Log Reports during 80's. Exact frequency, skeds with variations or fade in/fade out times, NA Rarity Guide, check boxes for country/city/station and heard/QSled/taped, miscellaneous notes, intro with abbreviations, etc. Price is \$3.00 in North America, \$4.00 elsewhere by Air Mail. George Sherman, Box 2284, Minneapolis, MN 55402.

NOTICE: A new organization called Gateway DX Club has been formed in the St. Louis area. The club is open to DXers nationwide. Dues are \$4.00 per year for the bulletin which comes out every other month. A sample bulletin is available for an SASE in the U.S. and Canada, 2 IRC's worldwide. Inquiries should be mailed to Gateway DX Club International, 836 Lamplight Lane, Hazelwood, MO 63042, U.S.A.

Ads and notices will be printed in FRENEX at no cost to members when space is available. Please send ads to NASWA, 45 Wildflower Road, Levittown, PA 19057. Be sure to specify who is to pay shipping on all items.

FRENDX is the monthly publication of the North American Shortwave Association. All items contained herein with the exception of BBC WMS information may be copied by other bulletins providing proper credit is given to NASWA/FRENDX, the column editor, and original contributor. Target mailing date for FRENDX is the Friday before the first Saturday of the month. Contributions to the Log Report may be sent to the Distributing Editor whose address appears on the back cover.

NEW NASWA AWARD PROGRAM CHAIRMAN

John M. Kapinos, NASWA's Distributing Editor, has agreed to take over the chairmanship of the NASWA Award Program upon the resignation of former chairman Dan Henderson. John will stay on as our Distributing Editor, thereby lending his many talents and great dedication to both positions. A rundown of the Award Program is featured on pages 54 to 56 of this issue, but it does not yet include two new awards set up by Dan. More on these later. The price of each award certificate will be \$1.00. This small price increase was made necessary by increased costs in printing the last certificates.

NASWA MEMBER ON RADIO RSA

Duke Alexander, a NASWA member from Houston, TX has a program on Radio RSA titled "Duke Alexander's DX Report" which is aired as part of Radio RSA's regular DX Corner program. Radio RSA's frequency and program schedules can be obtained by writing to Radio RSA, P.O. Box 4559, Johannesburg, South Africa.

SPAM? YES, SPAM!

No, it's not the canned delicacy. It's the Society for the Promotion of A.M. and the administrator is Jody Coles of Spring, TX. This new club is primarily for the SWL/DXer interested in DXing the radio hams using the A.M. voice mode. For more information write to Jody Coles, P.O. Box 2404, Spring, TX 77383.

...AND THE PNBCDXC

Phil Bytheway writes that there will be a PNBCDXC get-together at his home on Saturday, June 14, 1984 from 2 pm till midnight. The address is 9705 Mary NW, Seattle, WA. Mary is between 14th and 15th NW and 9705 is the 6th house South of NW 100th on the West side of the street. Look for a white flag pole in the front yard. Some overnight accommodations will be available at the house, but check first by calling Phil at (206) 784-5145. Bring your own junk food. All LW, MW, and SW DXers are invited. For those of you who haven't figured it out yet, PNBCDXC is the Pacific Northwest-British Columbia DX Club.

NASWA MEMBERSHIP CERTIFICATE SEALS

When the processing of renewals was transferred from Liberty, IN to Levittown the automatic forwarding of membership certificate seals to those eligible became a thing of the past...and it's too late to catch up now. If you have a membership certificate and haven't received an up-to-date seal, please write. They are available and I will send one to you. If you renew in the future and have a certificate, please write "send seal" or some such notice on the renewal card. Membership certificates suitable for framing are available to NASWA members for \$1.00...with a seal.



Shortwave Center

July 1984

Editor: John C. Herkimer, 3233 East Avenue, Caledonia, NY 14423

Our column this month is somewhat of a departure from previous months. As promised (or maybe warned), because of the long-awaited arrival of our new baby, we had to start SWC earlier than usual. Those of you who have sent material for SWC (and there is a lot of it here) will no doubt understand. We'll be back on track next month. Promise.

Neil Carleton is one of the many DXers who combines DXing with stamp collecting but Neil's interests have taken him into a specialized segment of collecting that actually draws him closer to his listening hobby... RADIO STAMPS.

Neil, who works for the National Museums of Canada, travels frequently as a consultant to museums and in his travels he often takes along his SONY ICF-2001. At home, it's his FRG-7700 that's in use along with an FRA-7700 active antenna. But, as I well know these days, putting the finishing touches on his new home has hampered his listening of late. Neil is married with two children.(JH)



radio stamps

by Neil Carleton, P.O. Box 1644, Almonte, Ontario KOA 1A0, CANADA

Soon after I discovered shortwave listening in 1980, I also discovered the fascinating world of radio on postage stamps. I've been a DXer and a collector of radio stamps ever since, and they've always seemed like a natural combination of hobby interests.

It was the thrill of a lifetime to sit in front of my new receiver (Yaseu FRG-7) for the first time and actually hear voices from around the world. I listened spellbound and marvelled at the miracle of being able to sit in the comfort of my home and tune in the world! In my early exploration of the shortwave bands, I chanced upon the program "Sweden Calling DXers", from Radio Sweden International, and heard a brief reference about postage stamps on the topic of radio. Shortly after, I tuned by accident one evening to ECJB from Ecuador and heard the mailing address for the NASWA. My letters to the NASWA and Radio Sweden International opened up a wonderful new world of hobby interests for me.

It was the NASWA and the World Radio TV Handbook that introduced me to the exciting hobby of international radio. They led me to DX programs and other shortwave listeners, and showed me where I could go to learn more about the hobby. Finding information about radio stamps was much more difficult, however. It's a specialized area of topical or thematic stamp collecting, and little information has been published or available on the subject. Over the past three years though I've been able to locate references and checklists, and make contacts with other collectors. It wasn't really a surprise to learn that most collectors of radio stamps are also DXers, SWLs or hams.

RADIO STAMPS (cont'd)

This article is based on an information sheet I prepared last spring in an attempt to publicize this aspect of the shortwave hobby, and to provide an exchange of information. I've been encouraged by the response from other radio hobbyists around the world, and it was suggested that an updated and illustrated introduction to collecting radio stamps would be of general interest to other members of the NASWA..

Topical Collecting

It's estimated that almost 200 million people in the world today are enjoying the adventures of stamp collecting. Almost anything you can imagine is shown on postage stamps, from art to zoology and, yes, even radios. Collecting stamps for the subject of the design on the stamp, rather than the country of origin, has become an increasingly popular hobby. This specialization has become known as thematic collecting in Europe and topical collecting in North America.

I began by collecting a few stamps that featured the major international radio stations that I first found on shortwave, like Radio Canada International, the Voice of America and HCJB. When I later discovered the fascinating world of amateur radio communications, I decided to add amateur radio stamps to my collection. Similarly, when I learned to recognize marine, aviation and military radio traffic, I was convinced that my collection of radio stamps would not be complete until I added utility radio to my topic too.

My topical stamp collecting interests have grown to include most aspects of radio. These include stamps that commemorate, or include in their design,

- listening to or transmitting radio signals
- long, medium and shortwave radio
- amateur, utility, domestic and international radio
- radio stations, broadcasting services and radio clubs
- radio anniversaries, meetings and radio conferences
- inventors and radio equipment
- symbolic or stylized designs for radio waves, radio towers, microphones, etc.

My collecting interests correspond really to my listening interests. If I can hear it on my radio, I'm interested in it!

The scope of my collection may not be of interest to another radio stamp collector, however. To others, for example, my collection may be far too broad in its scope, or even too narrow because it doesn't include radio astronomy, space communications or satellites. There are as many topical collections as there are topical collectors. The extent of topical collecting is entirely up to you and your interests. Selecting a topic is the most important decision to make first.

What to Collect?

As you'll notice from the illustrations and the brief checklist in this article, postage stamps have been issued by countries from around the world with designs that feature a multitude of radio topics. You can choose from among this broad range of radio topics, or you may decide to include them all in your collection. Start with a topic that has a special interest for you. If you discover that it's too large, you can always reduce the scope of your collection.

Your special interest may be radio history. You may decide to collect stamps that feature the experimenters, inventors and scientists who contributed to the development of radio as we know today. Many famous and not so familiar names associated with experiments and advances in electricity, electromagnetic waves, wireless signals, transmitters, receivers, antennas, etc., are featured on stamps. They include familiar names like A.M. Ampere, Benjamin Franklin, Alessandro Volta, Heinrich Hertz and Guglielmo Marconi. They also include lesser known contributors, although equally significant, such as Otto von Guericke, Prokop Divis, Josef Murgas, Nikola Tesla and Alexander Popov. There is evidence to suggest that Popov in Russia was the first person to transmit a radio signal, at least a year before Marconi.

If you're interested in radio equipment, you may be surprised to discover a variety of designs on stamps that feature receivers, transceivers, speakers,

headphones and microphones. There is a stamp too which shows a worker soldering a radio. There is another which includes a valve, or tube, in its design. It was the invention of the valve by Sir Ambrose Fleming which permitted the development of broadcasting as we know it.

There is a growing interest in collecting stamps that feature radio stations and broadcasting services around the world. This was the topic that first attracted my attention to radio stamps. The designs on stamps in this category include actual radio stations, transmission towers, radio emblems, radio equipment, and symbolic or stylized designs for radio communications. The stations and services that are featured range from the familiar internationals like the BBC, VOA, RCI, HCJB, Radio Moscow, to regional and domestic African stations like Radio Gambia, Radio Lesotho, Radio ELWA and Radio Transkei. There are stamps too that feature music, fitness and children's radio programs. There are even stamps that depict broadcasting studios and a mobile broadcasting unit.

There are some collectors too with an interest in amateur radio stamps from around the world. These are stamps, for example, which honour national amateur radio organizations, like the American Radio Relay League, the Radio Club of Bolivia and the Amateur Club of Djibouti. There are stamps that feature amateur radio conferences, including the Warsaw conference of the International Amateur Radio Union, the convention of the Federation of Amateur Radio Clubs in Costa Rica and the World Administrative Radio Conference. You'll also be able to find stamps that depict hams or stations in operation, and ham expeditions to remote lands. You'll even be able to find stamps that feature world leaders who are also radio amateurs, such as King Juan Carlos of Spain and King Hussein of Jordan.

You may also wish to consider collecting utility radio stamps. You'll find a fascinating variety of stamps with designs that feature marine, aviation, scientific and military radio communications. Some stamps even depict police radio communications and radio in the polar regions.

Many other stamps could be included in specialized topics or in a general category of radio communications. There are stamps, for example, that depict radio towers, antennas and radio waves, or symbolic and stylized designs for radio communications. They have been issued to commemorate a wide variety of events, including radio broadcasting anniversaries, communications conferences, electronic conferences and telecommunications networks. A specialized collection of radio and related stamps could also be developed with just stamps in honour of the International Telecommunications Union and its work. 1983 was a good year for stamps with radio topics as many countries issued stamps to commemorate World Communications Year.

What Next?

Once you have decided what to collect, you'll need to know what stamps are available. Looking at stamp catalogues (Scott, Minkus, etc.) in your public library will give you some idea of the number of stamps that could possibly be included in your collection. This can be done, of course, but it's very time consuming and not all of the stamps or related material that you're interested in may be illustrated or included in the catalogue. Whether you're new to topical collecting, or an experienced collector, joining a topical club or association is recommended. Through the publications and meetings of a topical organization, you'll benefit from the friendship and knowledge that is available in this specialized field of stamp collecting. The club will gain from your contributions too. You'll also be able to determine if any checklists of radio stamps or related topics have been published or updated.

I don't hesitate to recommend the AMERICAN TOPICAL ASSOCIATION with a membership of 10,000 in 90 countries. It offers the largest variety of topical checklists of any organization in the world through a series of handbooks, through their study units, and through their superb bimonthly magazine Topical Time. A number of articles and checklists on radio stamps have been published by the ATA. The Association's Handbook No. 96 (1981), Adventures in Topical Collecting, is also recommended (\$8.00 U.S.). It's an excellent guide with a wealth of information for both the beginner and the advanced topicalist. In addition to an extensive bibliography, over 150 topical/thematic periodicals from around the world are identified in the handbook with an index to assist readers in locating more specific information on their topics of interest. The annual membership fee in

the ATA is \$10.00 U.S. For more details, write: American Topical Association, P.O. Box 630, Johnstown, PA, 15907, U.S.A.

Although the ATA's Telecommunications Study Unit has not been active recently, the Unit's Newsletter, Communicator, has featured some radio stamps in past issues. For more details, write to Ferdinand Dombrowski, ATA Telecommunications Study Unit, Box 07057, Bayview Station, Milwaukee, WI, 53207, U.S.A. If you don't get a reply, write to Donald Brenke, ATA Director of Units, P.O. Box 179, Washington, D.C., 20044, U.S.A.

The INTERNATIONAL HAM-STAMPS CLUB, established in 1982, does not appear to be active any longer. The Club was open to all hams and shortwave listeners who also collect stamps, and it had members in 30 DXCC countries. The Club published a quarterly magazine/newsletter in English called Ham-Stamps. It featured articles on amateur radio and radio communications stamps, stamp checklists, members' names and areas of collecting interests, and news about new issues of radio stamps. The last issue of Ham-Stamps was No.2/1983 in June 1983. The membership for one year was \$7.00 U.S., 40 N.kr., or 21 IRCs. The editor was Mathias Bjerrang, Longyear Airport, 9710 Longyearbyen, Svalbard Island (Norway).

The following references and checklists in English, in chronological order, may be of assistance to you in determining what radio stamps are available for your collection. I'd be pleased to learn of others that you may be aware of.

"The Story of Radio", Rhodian, India's Stamp Journal, March 1960, p.53,55. Reprinted in Topical Digest No.4 (ATA Handbook No.32), second edition, 1975, p.46-8. Stamp descriptions but no checklist.

"The Wireless (Radio) and the Postage Stamp", Richard L. Traut, Topical Time, May-June 1971, p.42-4. Includes checklists.

Checklist of Telecommunications on Postage Stamps, Bill Glover, 1978, National Philatelic Society, London. Available for \$4.00 U.S. from the National Philatelic Society, Publications, 1 Whitehall Pl, London SW1A2HE, England.

DX Philately, Chister Brunstrom, 1980, Sweden. Review in English of stamps featuring radio and TV stations around the world. In country order, illustrated, with dates of issue and denominations, but no catalogue numbers. Available for \$4.00 U.S. from Chister Brunstrom, DX Philately, Kungsgatan 23, S-302 45 Halmstad, Sweden.

"Amateur Radio Stamps", Vic Clark, Ham-Stamps, May, No.1, 1982, p.5,6. Checklist too.

"Stamps Reflect Growth of Amateur Radio", James Montages, Ham-Stamps, May, No.1, 1982, p.13. Descriptions but no checklist.

"Amateur Radio Stamps", William S. Kelly, Topical Time, July-August 1982, p.76-8. Includes a checklist.

"Telegraphers Stamp Collections", Donald de Neuf, Ham-Stamps, No.2/3, 1982, p.2. Descriptions but no checklist.

DX-P, No.2, Chister Brunstrom, 1983, Sweden. Review in English of stamps featuring radio stations since the 1980 first edition. It also includes information on a few postmarks and verified reception stamps. In alphabetical country order, illustrated, with dates and denominations, but no catalogue numbers. Available for \$1.00 U.S. from Chister Brunstrom, Kungsgatan 23, S-302 45 Halmstad, Sweden.

Ham Stamp List, Taizo Arakawa, 1984. Computer checklist in English, as of February 14, of amateur radio stamps, first day covers, maximum cards, special postmarks and meter cancellations. In chronological order with country name, face value and catalogue numbers. Available for a SASE from Taizo Arakawa (N2ATT), 444 Westminster Place, Lodi, NJ, 07644, U.S.A.

Starting a Collection

Many books have been published, and may be available through your public library, on the subject of starting a stamp collection. The ATA handbook Adventures in Topical Collecting is a very good source of information with a practical approach to acquiring your first stamps and starting a topical collection. It also includes references for other useful books on topical/thematic collecting around the world.

It is important to determine what radio stamps you really want to collect. Whether you browse through stamp catalogues at your public library, or review and compare published checklists, remember to record the country names and catalogue numbers of the stamps you want. You should also determine if you're interested in mint vs. used stamps, for example, and sets vs. singles. Are you interested in collecting first day covers or used covers (envelopes) with cancelled radio stamps? Do radio and related postmarks fall within your interests? The ATA handbook and other topical/thematic publications can help you define your collecting interests.

Visit your local stamp dealer and discuss your collecting interests. See what is available from the dealer's stock. Look for topical dealers or dealers who arrange a portion of their stock by topics. Advertisements in stamp publications, including the ATA's bimonthly Topical Time, are good sources of information about topical dealers and their specialties. If you prepare a "want list" to take or to mail to dealers, remember to include the country names and catalogue numbers of stamps you want for your collection. Write to me if you're interested and I'll send you the names and addresses of the dealers that I have ordered from by mail.

Join a local stamp club. You'll have an opportunity to meet other collectors, see their collections and exchange information. Don't forget that there are other collectors both close to home and around the world, including those with interests in radio stamps, that you may be able to trade or swap with. Check the membership directory or the members' list of your clubs for the names, addresses and collecting interests of other collectors.

You'll soon discover that your topical collection needs to be carefully looked after. Stamp tongs are essential for handling your collection. Learn to use them to avoid damage to your stamps. Your collection should be mounted and protected in an album. There are many ways to mount stamps and other related material on album pages, such as hinges and a variety of plastic mounts. Ask other collectors about mounting stamps, see their collections, visit stamp dealers and see what mounting materials and albums are available. Don't forget to visit and see stamp exhibitions near you if you get a chance.

In the midst of all these suggestions and recommendations, it's important to point out that your collection can be started, stopped and picked up again at any time. Like shortwave listening and DXing, it's also important to point out that you don't have to spend a fortune to enjoy this aspect of the hobby.

Examples of Radio Stamps

Here is a very brief checklist of a few of the stamps that are available in each of the topics that I've mentioned. You'll discover that there are many, many more. Just like DXing, there will always be new targets to hunt for. I've indicated the country name, issue date, face value, Scott catalogue number, and the subject or design of the stamp. One of my projects for 1984 is to prepare a checklist of radio stamps for other collectors, up to 1982 or 1983, and to put it on a computer for easy updating and printing. I'd be pleased to share the results with any members who may be interested. When it's completed, possibly by the end of the year, I'll post a notice in FRENDX. I don't have a computer, unfortunately, and I'd be pleased to hear from anyone who does who would like to assist me with this as a joint project.

Radio History:

1. U.S.A., 17.10.56, 3c, 1073, Benjamin Franklin
2. Italy, 1927, 1.251, 191, Alessandro Volta
3. German Democratic Republic, 07.06.57, 20pf, 354, Heinrich Hertz
4. Canada, 15.11.74, 8c, 654, Guglielmo Marconi
5. Federal Republic of Germany, 04.05.36, 6pf, 472, Otto von Guericke
6. Czechoslovakia, 07.12.59, 25h, 949, Nikola Tesla
7. Bulgaria, 10.02.51, 41, 722, A.S. Popov

RADIO STAMPS (cont'd)

Radio Equipment:

8. Austria, 01.10.64, 1s, 739, radio front
9. Federal Republic of Germany, 12.07.79, 60pf, 1295, hand on radio dial
10. Iceland, 20.11.80, 400k, 537, radio speaker
11. Australia, 21.12.73, 7c, 588, radio and speaker
12. Federal Republic of Germany, 19.10.73, 30pf, 1127, 1923 radio and speaker
13. Czechoslovakia, 28.03.59, 60h, 910, boy with radio
14. Mexico, 08.11.44, 25c, C142, microphone
15. Belgium, 24.11.73, 4fr, 798, microphone
16. Hungary, 1955, 20pf, 1119, radio assembler
17. Japan, 18.12.56, 10y, 633, vacuum tube

Radio Stations:

18. Great Britain, 13.09.72, 3p, 676, BBC 50th anniversary
19. U.S.A., 01.08.67, 5c, 1329, VOA 25th anniversary
20. Russia, 28.11.79, 32k, 4791, Radio Moscow 50th anniversary
21. Canada, 01.06.71, 15c, 541, new RCI transmitters
22. Ecuador, 1981, 2s, 1014, HCJB 50th anniversary
23. Gambia, 01.07.72, 4b, 273, Radio Gambia 10th anniversary
24. Lesotho, 11.03.69, 10c, 68, Radio Lesotho
25. Liberia, 06.04.79, 35c, 830, Radio ELWA 25th anniversary
26. Italy, 29.12.58, 60l, 762, Prix Italia 10th anniversary
27. Japan, 01.08.78, 50y, 1344, radio gymnastics 50th anniversary
28. Sweden, 10.12.74, 75o, 1106, Sven Jerring's children program
29. Belgium, 30.06.60, 3fr, 515, Congo radio studio
30. Czechoslovakia, 18.05.63, 30h, 1176, radio studio
31. Hungary, 1963-4, 2fo, 1520, mobile radio transmitter

Amateur Radio:

32. U.S.A., 15.12.64, 5c, 1260, ARRL 50th anniversary
33. Bolivia, 26.02.79, 3b, 638, Radio Club of Bolivia
34. Djibouti, 25.06.81, 250fr, 528, Radio Amateurs Club
35. Poland, 15.04.75, 1.5z, 2088, International Amateur Radio Union Conference
36. Costa Rica, 16.04.75, 1col, C633, 16th Central American Radio Amateurs Convention
37. Argentina, 01.11.80, 700p, 1287 amateur radio operation

Utility Radio:

38. Falkland Islands, 24.10.77, 11p, 258, ship to shore radio
39. Portugal, 04.09.74, 10e, 1206, marine radio communications
40. Congo Republic, 12.12.69, 100fr, 197, airport and radio tower
41. Chile, 1946-8, 1.6p, C118, plane and radio tower
42. United Nations, 28.01.57, 3c, 49, weather balloon and radio signals
43. Bulgaria, 03.12.59, 1.25l, 1076, parachute and radio tower
44. Austria, 02.10.73, 4s, 955, police radio operator
45. Federal Republic of Germany, 19.02.73, 40pf, 1103, INTERPOL
46. Russia, 13.03.59, 40k, 2179, radio rescue from ice flow

Radio Communications:

47. Australia, 1982, 27c, 831, ABC 50th anniversary
48. Denmark, 01.04.50, 20o, 317, Danish broadcasting 25th anniversary
49. Argentina, 29.08.70, 20c, 922, Argentine broadcasting 50th anniversary
50. Brazil, 03.09.45, 1.2cr, 640, Inter-American Conference on Radio Communications
51. Czechoslovakia, 20.06.58, 45h, 869, Postal Ministers Conference
52. Egypt, 23.11.53, 10m, 365, Electronics Exposition
53. Chad, 02.11.64, 25fr, C19, Posts and Telecommunications Congress
54. Switzerland, 23.09.71, 40c, 534, Radio Suisse 50 years

Collecting used covers, or envelopes, and first day covers with radio stamps can be a very colourful addition to your collection too. First day covers are envelopes that have been cancelled on the first day the stamps are issued. They usually have a special design or inscription, known as a cachet, printed on the

Technical



Topics

Editor: James G. Herkimer, 3255 South Drive, Caledonia, NY 14423

This month's column is entirely the work of John R. Tow, of Pinson, Alabama:

A Critical Review of the ICOM R-71A

I recently had the good fortune of acquiring an ICOM R-71A. I purchased this receiver after reading the brief reviews currently available as well as rereading a reply from Fred Palmer of ICOM America's Texas staff. I knew what to expect in the way of improvements, as I have owned an R-70 for nearly a year. I must say that I was surprised. Unfortunately, I was not pleasantly surprised!

The R-71A has many honest improvements over the R-70. The new microprocessor is an 8 bit device versus the R-70's 4 bit chip. The new R-71A has 32 true memories, infrared remote control, speech, and a scan function that will conditionally perform as indicated in the owners manual. A wide/narrow bandwidth control is now present on the front panel. Enough "bells and whistles" to impress anyone. Now for the bad news.

The R-71A has a different frequency IF filter than the R-70 for AM. This allows interchanging the SSB and AM filters for the aforementioned wide/narrow bandwidth switch. This would have been an excellent improvement if they had changed the notch crystal frequency. Since they did not, the notch will only tune from minus 2.5 to minus 3.5 kHz with respect to the AM center frequency. This, of course, makes the R-71A's notch completely useless on AM. At least the R-70 covered the entire lower sideband (from center frequency to minus 3 kHz.)

The R-71A has no standard CW filter as did the R-70 (0.5 kHz). In fact, if an internal switch that is not discussed in the owners manual is in the wrong position, the R-71A will not function in the CW position. Another internal switch determines whether the R-71A resets when stopping on a signal in the scan mode or simply times out for ten seconds and then continues the scan as per the owner's manual instructions. In my receiver, both switches were in the wrong position, forcing me to take both top and bottom covers off of the receiver. Of course, both switches are not on the same side of the chassis.

The R-70's power transformer runs a bit warm. I never have had much faith in Japanese transformers, and ICOM's seem to confirm my opinion. Perhaps Japanese transformers have excessive core losses. On DC power (I maintain a 12 volt 14 A-Hr Ni-Cad battery pack for emergency use), the R-70 runs cool. I could not verify the R-71A's DC use temperature, as I did not purchase a DC kit for it (luckily). On AC, however, it ran quite hot! So hot, in fact, that I removed the cover initially to determine whether or not mine was wired for 117 v. (It was.)

Time for a comparison of the two receiver's schematics. I requested an R-71A schematic back around the first of the year. I further requested a list of updates from the R-71A that could be employed in the R-70. I was told in a letter dated February 22 from Mr. Palmer that there were no carry-over improvements from the R-71A that could be used on the R-70. He further stated that the comparison of the two receivers was like "comparing a World War II fighter with a modern day version," and that the only thing they had in common was the name. Another reviewer stated that the R-71A has as a vast improvement over the R-70 a "crisp, transparent, undistorted audio". I expected vast improvements.

The two radios are nearly identical. The audio stage is exactly the same as the R-70. The major differences are the 9 MHz AM filter change, the noise blanker threshold control being moved from the circuit board to the front panel, and a change in the high level mixer. This last change should be significant. The R-70 utilizes a passive packaged DBM in the first mixer where the first mixer in the R-71A is a balanced JFET type. This active mixer provides gain over the previous receiver's loss. The R-70 required a MOSFET 1st IF amplifier following that 1st mixer. The R-70 is more in line with current "state of the art" front end design for good high level signal handling although the R-71A does not require as many amplifier stages. The remainder of the receiver section schematics appear to be equivalent.

Operating the two receivers side by side fed by a hybrid coupler from my antenna tuner and 150' longwire aerial showed nearly equivalent behaviour of the two radios. The two radios drove separate MS-4 speakers and yielded the same tonal quality on local AM stations. S meter readings were equivalent or slightly higher on the R-70 over the 0.5-30.0 MHz range. Below the 0.5 MHz range, however, the R-71A had higher S meter readings. In fact, the S meter difference increased with decreasing frequency. Perhaps the new first mixer has wider bandwidth transformers. The adjustable noise blanker threshold allows the R-71A's noise blanker to be employed when strong signals are present. The preset level on the R-70 caused the noise blanker to "chop" a very strong signal. Realistically, how often do you need a noise blanker when receiving very strong signals? I still have to rate the R-70/R-71A noise blanker as the best I have ever used, and that includes my Drake R-4C's NB-4!

The operating anomalies of the R-70 have been cured in the R-71A. When tuning from 9.999 to 10.000 on the R-71A one notes the convenient and easily understandable increase in displayed frequency. On the R-70, however, the readout would have changed to 9.000 while 10.000 was being received! I guess I have gotten used to that strange behaviour! The R-71A has a better method of changing MHz, or at least it is different. In place of the Up/Down push buttons is a single push button which changes the main tuning knob to MHz change. Releasing the push button returns the kHz tuning. Automatic offset for USB/LSB is not present in either receivers.

Physically, the two radios share the same size cabinets. The front mounted speaker on the R-70 is much better suited for casual or portable operation. (portable? It draws about 1.2 amps @ 12 volts!) than the top-mounted R-71A speaker. The R-71A speaker is mounted where the trap door on the R-70 was. The trap door allowed changing the RTTY from 0.5 to 2.4 kHz bandwidth, calibrating the frequency readout, and changing the monitor gain (useless for the SWL) from the outside of the radio. The R-71A requires the removal of the top cover for similar changes as well as the installation of an optional 0.5 kHz filter. The R-70 has a neater tuning knob than the R-71A and also has a metal front panel when compared to the plastic (?) front panel of the newer radio.

Which radio would I choose? It seems to be axiomatic since the R-70 is seemingly no longer available. I was exceptionally fortunate in my purchase of the R-71A. I purchased mine at a hamfest from Doc's Communications in Rossville, GA (near Chattanooga, TN). I have done business with them for some time and find them to be delightful and fair. I have also purchased accessories from them via phone.

My greatest luck was in the actual radio itself. Although boxed as an R-71A, my radio has the front panel of an R-71D, a domestic Japanese version. Several irate phone calls to both of ICOM's service centers yielded no response. In fact, I am still waiting for a reply from their Bellevue, WA headquarters. I even had to explain why (and how) an SWL would employ a notch filter on AM, and this was to the same person that had written to me praising the R-71A's improvements!

I feel that the R-71A is not an improvement over the R-70 for critical DXing. Certainly, the memories are quite useful. I hope to construct an outboard computer interface for my R-70 once I receive the timing information. Once my R-70 was out of warranty, I added a DPDT miniature switch in place of the back panel Mute jack to reverse, when desired, the two passband filters. This allows the SSB filter to be used on AM. I also replaced the original filter with the excellent FL-44A for SSB/narrow AM use. I would buy the R-70 today in lieu of its' replacement.

I was extremely fortunate in my selection of dealers. Besides the good price, I received excellent service. I was so irate that I drove 150 miles to their store to exchange my radio. In spite of my poor humor, they were as friendly and courteous as humanly possible. It was not their fault that ICOM misled me (non-functioning notch filter, few meaningful improvements, etc.) They cheerfully refunded my money. I did check out another radio to verify that the notch filter was not functional in the AM mode.

I came away from this encounter with mixed feelings. The R-70 is a superb radio. Unfortunately, it and its' replacement were designed as amateur receivers and not for SWLs and DXers. The current crop of "ham" transceivers, including the ICOM 720A from which the R-70 was derived, have general coverage sections as standard equipment. Why would an amateur wish to spend nearly as much more money than he has invested in his transceiver in an outboard receiver? I claim that the largest user of either the R-70 or its' replacement is and shall continue to be the SWL/DXer. Why has ICOM ignored our wishes? A functional notch and decent decent AM bandwidths are certainly realizable goals, aren't they? I would buy another ICOM - perhaps the R-72A: I wonder when Doc's will have it?

Many thanks to John R. Tow for this month's presentation. See you in 30. *Jim*

CONTACT

Editor: Andy Robins, 223 North Shore Drive, Apt. 2115, South Haven, Michigan 49090

The letter in the last "Contact" about tape verifications drew this response from Nathan Murff in Albuquerque, New Mexico:

"Yes, I do have a tape verification file on cassette tapes, but I also collect QSL cards from time to time. My solution is to make a copy of the cassette and send it along to the station. Then, if I get a QSL from the station, I can sit back and listen to my copy of the tape and admire the verification. If I don't get the QSL, I still have the tape to listen to. This also allows me to write easy follow up reports as needed.

"A FRENCH awards program for tapes would be nice. Some stations just won't verify your reports, like Radio Botswana. So I think that we should have a taped report award program.

"My favorite program is the Radio Data Base International portion of RCI's SWL Digest. They are giving out information that took me ten years to figure out on my own, plus a few things I hadn't thought of yet."

From C. Vernon Hyson in Matthews, North Carolina, comes a plea for information about some of DXing's "Old Masters":

"While going through some old, old shortwave material I had accumulated over the years, I started compiling a list of some of the Old Timers, or Long Timers, whose names were seen frequently in various SWL circles. I got to wondering what ever happened to them. Did they drop out? Were they called by the Keeper of the Ionosphere?

"I'm sure other members would have names to add to this list, but I think it would be interesting to find out about some of those whose efforts inspired us and whose DXing records definitely challenged us.

"Here is my abbreviated roster. Those marked with an asterisk are still active. August Balbi (deceased), Grady Ferguson (deceased), Ken Boord, Anson Boice, George Cox, A.R. Niblack, Garry Dexter*, Marvin Robbins, Stewart West, Emmet Riggle, Albert Saylor, Roger Legge*, Floyd Backus, Ramon Stark, and Jerry Berg*.

"One thing I wish existed for our hobby is a repository or library for QSL collections and other memorabilia. Your article about tape verifications touched lightly on this. There is a need for both written and aural memories, and really, when you get down to it, it is history."

Thanks to both Nathan and Vernon for taking the time to write. I'd like to emphasize, however, that the previous item on taped verifications was not "mine". This column exists so that NASWA members may express thoughts and opinions on matters of interest in the shortwave hobby. My role as editor of "Contact" is that of a proofreader, really. I try to inject as little of myself and my own opinions as possible. Your letters make the column. Without them it will cease to exist.

No edition of "Contact" would be complete a suggested topic for next time. Since joining the organized faction of the hobby in 1972, I don't think any subject has generated more heat than the often-strained relationship between equipment manufacturers and listeners. Are receiver manufacturers, and the makers of accessories, responsive to the needs of the casual listener? Or the serious listener? If not, what can be done to remedy the situation? Is the new generation of receivers an indication that quality is "in"? Or will planned obsolescence be the name of the game as manufacturers attempt to keep sales high?

(A brief note from your SWC editor: Thanks, Andy. We've kept "Contact" afloat on the assumption that it would eventually develop into a much-needed forum for hobbyists. We've been somewhat disappointed at the poor turnout and at this stage it would appear that if "Contact" is to survive it will require your input. I admit the erratic appearance of the column hasn't helped, but I think it's worth keeping alive. Help? - JH)

Compiled by Roger Legge, Box 232, McLean, VA 22101

* - Not intended for NA, but reception good.

MORNING

<u>EDT</u>	<u>GMT</u>	<u>Station</u>	<u>Frequencies (KHz)</u>
6:00-6:30am	1000-1030	Jerusalem, Israel	11655, 15585, 17630
6:00-10:00am	1000-1400	Moscow, USSR	11840h, 15100, 15135, 15150, 15485
6:00-10:30am	1000-1430	Melbourne, Australia	9580
7:00-7:30am	1100-1130	Helsinki, Finland	15400, 17800
7:00-8:00am	1100-1200	Peking, China	15520
7:00-8:50am	1100-1250	Pyongyang, No. Korea	9745, 9977
7:00-10:00am	1100-1400	*Perth, Australia	9610 (Domestic Service)
7:00-9:30am	1100-1330	London, England	5965c, 11775w, 15070
8:00-8:25am M-F	1200-1225 M-F	Montreal, Canada	9650, 11955
8:00-8:30am	1200-1230	Helsinki, Finland	15400, 17800
8:00-8:55am	1200-1255	Peking, China	11650, 15520
8:15-11:30am	1215-1530	HCJB, Quito, Ecuador	15115, 17890, 11740 (to 1430)
8:30-9:00am	1230-1300	Vienna, Austria	15320
8:35-8:45am	1235-1245	Athens, Greece	11645, 15630
9:00-9:30am	1300-1330	Helsinki, Finland	15400, 17800 (Su.)
9:00-9:30am Su	1300-1330 Su	Oslo, Norway	15175
9:00am-12noon Su	1300-1600 Su	Montreal, Canada	11955
9:15-9:45am	1315-1345	Berne, Switzerland	17765
10:00-10:30am	1400-1430	Helsinki, Finland	15400, 17800
		Stockholm, Sweden	15190
10:00-10:45am M-F	1400-1445	Brussels, Belgium	17610
10:00am-12n	1400-1600	Moscow, USSR	11840h, 15100, 15150
<u>AFTERNOON</u>			
12:00-1:00pm	1600-1700	*Paris, France	15315, 17620, 21685 (Paris Calling Africa)
12:00n-1:45pm	1600-1745	London, England	11775c, 15070, 15260c
	(Sa/Su 15-1745)		
12:00n-6:00pm	1600-2200	Moscow, USSR	9765, 11840h, 12060, 15100 (to 21), 15150 (to 21)
1:00-1:30pm Su	1700-17:30 Su	Oslo, Norway	15205
3:00-3:30pm	1900-1930	Jerusalem, Israel	11655, 12025, 13745, 15585
3:00-3:30pm Su	1900-19:30 Su	Oslo, Norway	15175
<u>EVENING</u>			
5:30-6:00pm	2130-2200	Jerusalem, Israel	9815, 11655, 12025
		*Sofia, Bulgaria	9700, 11750, 11850
6:00-6:30pm	2200-2230	Montreal, Canada	5960, 9755
		Vilnius, Lith.SSR	11720, 11960, 15405
6:00-6:50pm	2200-2250	Tripoli, Libya	11815
6:00-7:00pm	2200-2300	Ankara, Turkey	11755
		London, England	6120c, 6175w, 7325, 9590c, 9915
6:00-9:30pm	2200-0130	Moscow, USSR	9600h (from 00), 9685, 9720 from 23), 9765, 11735, 11770, 11790 (to 00), 11850 (to 23), 12060
6:30-7:30pm	2230-2330	Sofia, Bulgaria	9700, 11870
7:00-7:30pm	2300-2330	Jerusalem, Israel	9440, 9815, 11655
		Montreal, Canada	9755
		Stockholm, Sweden	11710, 15270
7:00-8:30pm	2300-0030	London, England	5975, 6120c, 6175w, 7325, 9590c, 9915, 11910
7:15-8:00pm	2315-0000	Berlin, DDR	9730, 11975
7:30-8:00pm	2330-0000	Kiev, Ukr.SSR	9800, 11720, 11960, 15405
		Montreal, Canada	5960, 9755 (As It Happens)
8:00-8:30pm	0000-0030	Jerusalem, Israel	9440, 9815, 11655
		Montreal, Canada	5960, 9755
		Tirana, Albania	7065
8:00-8:30pm Su	0000-0030 Su	Oslo, Norway	11870
8:00-8:45pm	0000-0045	Berlin, DDR	9730, 11975

8:00-9:00pm	0000-0100	Peking, China Sofia, Bulgaria Tokyo, Japan	15385, 15480, 15520 9700, 11870 15300, 17825
8:00-10:00pm	0000-0200	Madrid, Spain	9630, 11880
8:30-9:15pm	0030-0115	Brussels, Belgium	9925
8:30-10:30pm	0030-0230	HCJB, Quito, Ecuador	9745, 15155
8:30-11:30pm	0030-0330	London, England	5975, 6120c, 6175w, 7325, 9915, 11835
8:50-9:05pm	0050-0105	Vatican City	6015, 9605, 11845
9:00-9:20pm	0100-0120	Rome, Italy	9575, 11800
9:00-9:30pm	0100-0130	Budapest, Hungary (not Su.) Jerusalem, Israel	6025, 6110, 9520, 9835 9440, 9815, 11655
9:00-9:50pm	0100-0150	Montreal, Canada (not Su.) Cologne, Germany	5960, 9755 6040w, 6085m, 6145, 9545, 9565, 9590m, 11785m
9:00-10:00pm	0100-0200	Managua, Nicaragua Prague, Czechoslovakia Taipei, Taiwan	6018 5930, 7345, 9540, 9740, 11990 5985 (via WYFR)
9:00-11:00pm	0100-0300	Peking, China	15385, 15480, 15520
9:00pm-12:50am	0100-0450	Havana, Cuba	11930, 15300
9:30-9:45pm	0130-0145	Athens, Greece	9420, 9865, 11645
9:30-10:00pm	0130-0200	Montreal, Canada (M-F) Tirana, Albania Vienna, Austria	5960, 9755 (As It Happens) 7120 5945, 9770
9:30-10:15pm	0130-0215	Berlin, DDR	9730, 11975
9:30-11:00pm	0130-0300	Moscow, USSR	9530, 9600h, 9700, 9720, 9765, 11735, 11750, 11780, 12060
9:45-10:15pm	0145-0215	Berne, Switzerland	6135, 9725, 9885, 12035
10:00-10:30pm	0200-0230	Budapest, Hungary Kiev, Ukr.SSR	6025, 6110, 9520, 9835 9800, 11720, 11770, 15180, 15405, 17860
10:00-10:55pm	0200-0255	Johannesburg, So. Africa	5980, 6020, 9615
10:00-11:00pm	0200-0300	Berlin, DDR Brasilia, Brazil Bucharest, Romania	9620 15290 5990, 6155, 9510, 9550, 9570, 11810, 11940
10-11:pm M-F	02-0300 Tu-Sa	Buenos Aires, Argentina	11710, 15345
10:00-11:00pm	0200-0300	Montreal, Canada Warsaw, Poland	5960, 9755 6095, 7145, 7270, 9525, 11815
10:00-11:30pm	0200-0330	Cairo, Egypt	9475, 15370
10:30-11:00pm	0230-0300	Stockholm, Sweden Tirana, Albania	9695, 11705 7120
10:30-11:25pm	0230-0325	Hilversum, Holland	6165b, 9590b
10:30pm-1:00am	0230-0500	HCJB, Quito, Ecuador	9745, 15155
11:00-11:30pm	0300-0330	Lisbon, Portugal Montreal, Canada	6060, 11925 5960, 9755
11:00-11:50pm	0300-0350	Ankara, Turkey	11755
11:00pm-12mdt	0300-0400	Prague, Czechoslovakia Warsaw, Poland	5930, 7345, 9540, 9740, 11990 6095, 7145, 7270, 9525, 11815
11:00pm-1:00am	0300-0500	Moscow, USSR	9530, 9600h, 9765, 11720, 11735, 11750 (to 04), 11780
11:30pm-12mdt	0330-0400	Dubai, UAE Tirana, Albania Vienna, Austria	11730, 15300, 17775 6200, 7300 5945, 9770
11:30pm-12:30am	0330-0430	London, England	5975, 6175w
11:30pm-2:00am	0330-0600	Havana, Cuba	11760
11:40-11:50pm	0340-0350	Athens, Greece	9620, 9865, 11645
12:00-12:15am	0400-0415	Jerusalem, Israel	9009, 11655, 12025, 15585
12:00-12:30am	0400-0430	Bucharest, Romania	5990, 6155, 9510, 9550, 9570, 11810, 11940
12:00-12:30am Su	04-0430 Mo	Oslo, Norway	9565
12:00-1:00am	0400-0500	Managua, Nicaragua Sofia, Bulgaria	6018 11750

MORNING

<u>PDT</u>	<u>GMT</u>	<u>Station</u>	<u>Frequencies (Khz)</u>
6:00-6:30am	1300-1330	Helsinki, Finland	15400, 17800 (Su)
6:00-7:00am	1300-1400	Tokyo, Japan	9505
6:00-7:30am	1300-1430	Melbourne, Australia	9580
6:00-11:00am	1300-1800	Moscow, USSR (via Khab.)	9580, 9655, 12030, 12050
7:00-7:30am	1400-1430	Helsinki, Finland	15400, 17800
7:00-8:00am	1400-1500	Seoul, So. Korea	9750, 15575
8:00-9:00am	1500-1600	Tokyo, Japan	9505
8:35-8:45am	1535-1545	Athens, Greece	11645, 15635
9:00-10:45am	1600-1745	London, England (Sa/Su 15-1745)	11775c, 15070, 15260c
10:00-10:30am	1700-1730	Tokyo, Japan	9505

AFTERNOON

12:00-3:00pm	1900-2200	Moscow, USSR (via Khab.)	11755, 12050, 15245, 15425
2:40-3:40pm	2140-2150	Taipei, Taiwan	11825, 15270, 15345
3:00-3:30pm	2200-2230	Vilnius, Lith. SSR (via Khab.)	15180, 15405, 17860
3:00-5:00pm	2200-0000	Moscow, USSR, (via Khab.)	12050, 15140, 15425, 17700
4:00-4:30pm	2300-2330	Tokyo, Japan	17755
4:00-5:50pm	2300-0050	Pyongyang, No. Korea	15230
4:30-5:00pm	2330-0000	Kiev, Ukr. SSR (via Khab.)	15180, 15405, 17860

EVENING

5:00-5:30pm	0000-0030	Jerusalem, Israel	9440, 9815, 11655
		Montreal, Canada	5960, 9755
5:00-6:00pm	0000-0100	Peking, China	15385, 15480, 15520
5:00-7:00pm	0000-0200	Madrid, Spain	9630, 11880
5:00-7:30pm	0000-0230	London, England	6120c, 6175w, 9915, 11750a
5:00-9:00pm	0000-0400	Moscow, USSR (via Khab.)	12050, 15140, 15425, 17700
5:50-6:05pm	0050-0105	Vatican City	6015, 9605, 11845
6:00-6:20pm	0100-0120	Rome, Italy	9575, 11800
6:00-6:30pm	0100-0130	Budapest, Hungary (not Su.)	6025, 6110, 9520, 9835
		Jerusalem, Israel	9440, 9815, 11655
		Montreal, Canada (not Su.)	5960, 9755
		Tokyo, Japan	17755
6:00-7:00pm	0100-0200	Taipei, Taiwan	11825
6:00-8:00pm	0100-0300	Peking, China	15385, 15480, 15520 (to 02)
6:00-10:00pm	0100-0500	HCJB, Quito, Ecuador	9745, 15155
6:30-6:45pm	0130-0145	Athens, Greece	9420, 9865, 11645
6:45-7:45pm	0145-0245	Seoul, So. Korea	11810, 15575
		Tokyo, Japan	15195, 17825, 21610, 21640
7:00-7:30pm	0200-0230	Budapest, Hungary	6025, 6110, 9520, 9835
		Kiev, Ukr. SSR (via Khab.)	15180, 15405, 17860
7:00-7:55pm	0200-0255	Johannesburg, So. Africa	5980, 6020, 9615
7:00-8:00pm	0200-0300	Brasilia, Brazil	15290
		Buenos Aires, Argentina (M-F)	11710, 15345
		Montreal, Canada	5960, 9755
7:00-8:30pm	0200-0330	Cairo, Egypt	9475, 15370
7:00-9:00pm	0200-0400	Melbourne, Australia	15320, 15395, 17795
7:30-8:00pm	0230-0300	Stockholm, Sweden	9695, 11705
		Tirana, Albania	7120
7:30-8:15pm	0230-0315	Berlin, DDR	9560, 11840, 11975
7:30-8:30pm	0230-0330	London, England	6120c, 6175w, 7325
7:55-8:00pm	0255-0300	Yerevan, Arm. SSR (via Khab.)	15180, 15405, 17860

EVENING (cont'd)

8:00-8:30pm	0300-0330	Lisbon, Portugal	6060, 11925
		Montreal, Canada	5960, 9755
		Tokyo, Japan	17755
8:00-8:50pm	0300-0350	Taipei, Taiwan	11825, 15345
8:00-9:00pm	0300-0400	Ankara, Turkey	11755
		Prague, Czechoslovakia	5930, 7345, 9540, 9740, 11990
8:00-10:00pm	0300-0500	Peking, China	15385, 15520 (to 0400)
8:30-9:00pm	0330-0400	Dubai, UAE	11730, 15435, 17775
		Tirana, Albania	6200, 7300
8:30-9:30pm	0330-0430	London, England	6120c, 6175w
		Seoul, So. Korea	11810, 15575
8:40-8:50pm	0340-0350	Athens, Greece	9420, 9855, 11645
9:00-9:15pm	0400-0415	Jerusalem, Israel	9009, 11655, 12025, 15585
9:00-9:30pm	0400-0430	Bucharest, Romania	5990, 6155, 9510, 9550, 9570, 11810, 11940
9:00-9:30pm Su	0400-0430 Mo	Oslo, Norway	9645
9:00-10:00pm	0400-0500	Managua, Nicaragua	6018
		Sofia, Bulgaria	11750
		TWR, Bonaire, NWI	9535
9:00pm-12mdt	0400-0700	Moscow, USSR (via Khab.)	*9580, *11755, *11870, 12050, 15180, 15405
			(* - From 0430)
9:30-10:00pm	0430-0500	Berne, Switzerland	9725, 12035
		Vienna, Austria	5945, 11665
9:30pm-12:30am	0430-0730	London, England	6175w, 9510w
10:00-10:30pm Su	0500-0530 Mo	Oslo, Norway	11860
10:00-10:50pm	0500-0550	Cologne, Germany	5960, 6120, 9545w, 9690, 11705w
10:00-11:00pm	0500-0600	Tokyo, Japan	15300
10:00pm-12mdt	0500-0700	HCB, Quito, Ecuador	6095, 9745, 11910
10:00pm-1230am	0500-0730	Melbourne, Australia	15320, 15395, 17795
10:10-11:10pm	0510-0610	Taipei, Taiwan	5985 (via WFJR)
10:30-11:00pm	0530-0600	Lisbon, Portugal	6075, 9575
10:30-11:15pm	0530-0615	Berlin, DDR	9560, 11975
10:30-11:30pm	0530-0630	Hilversum, Holland	6165b, 9715b
		Madrid, Spain	9630, 11880
11:30pm-1:00am	0630-0800	Havana, Cuba	11725
12:00-1:00am	0700-0800	Tokyo, Japan	15300
12:15-12:55am M-F	0715-0755 Tu-Sa	Brussels, Belgium	9880

Some announced frequencies have been omitted due to poor reception.

Relay stations: a - Ascension, b - Bonaire, NWI, c - Canada (Sachville), h - Havana, m - Malta, s - Singapore, w - West Indies (Antigua)



Listeners Notebook

GLENN HAUSER, Box 6287, Knoxville, TN 37914

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BBC MS WORLD BROADCASTING INFORMATION TO CEASE PUBLICATION! For many years the BBC Monitoring Service has made its weekly publication the World Broadcasting Information (WBI) available to the general public on a subscription basis. The current basic price of \$37.00 means that each copy is priced at less than 75 pence and from this must be deducted the cost of inland postage, paper and other printing costs and labour. For some time we have been considering our dilemma: to raise the price several-fold to make it a viable publication, or to cease to make it available to the public. We have decided, with great reluctance, on the last option and will discontinue the sale of the WBI to the general public after the end of June 1985. We wish to thank our many subscribers for their support in the past. We hope that by giving a year's notice we may have mitigated any inconvenience caused (Rupert Fenn, Asst Ed., News & Publications, BBCMS, June 1984)

AFGHANISTAN R Afghanistan EG pgm relayed via USSR, now on 17900 ex-21460, at 0900, weak, and still announcing old 21460 (Philip Harrison, WA, RA Japanese DX Time 19/5)

ALASKA KNLS, Anchor Point, on new 11850 in EG 0700-0930, ex-11940 to avoid Singapore (Robert Chester, SA, RA JP DX Time 10/6; Dale Park, HI)

ALBANIA This sked shows some fq 5 kHz away from the usual/previous--result of variation or deliberate change & anmt? (gh) Note: some R Tirana fqs may vary \pm 5 KHz to avoid QRM. EG: 0000-0030 NAM 9760 7060. 0130-0200 NAM 9760 7120. 0230-0300 NAM 9760 7120. 0330-0400 NAM 7300 6200. 0430-0500 Af 9480 7300. 0630-0700 Eu 9500. 0700-0730 Au/As 11985 9500. 0930-1000 Au/As 11985. 1230-1300 NAM 11960. 1400-1430 SEAs/Au 11985 9500. 1630-1700 Eu 9480 7065. 1730-1800 Af 15435 11985. 1830-1900 Eu 9480 7065. 1930-2000 Af 9500 7075. 2030-2100 Eu 7065 1394* 2200-2230 Eu 9480 7065 1395. Albanian to Ams: 0000-0100 9790 7300 6200; 0200-0300 7300 6200 (WBI 14/6) *[sic]+LMI

AUSTRALIA Per Soundabout, the 300 kW xmtr directed to SAs was off during May due to cyclone damage; may be back on by the time this hits print. [That would be Carnarvon]. RA is co-channel other stns on [at least] 4 fqs: 17820 2300-0100 Thai/FR w/VOA, both to overlapping target areas; 17795 mornings UTC w/SP stn, probably Beijing [Beijing is there too but supposedly EG to NAM; SP would be Havana--but RA was on 17795 long before either of them]; 15395 2200+ w/VOA Chinese; 9580 0800-0900 w/Moscow, afterwards Japan (Dale Park, HI)

23/5, RA quoted Chairman of the ABC that Australia's diplomatic relations w/Asia were more important than the independence of the Corporation. Was commenting on ban imposed by ABC management in wake of recent TV interview w/an Irian Jaya rebel leader near the PNG-Indonesia border. The ban, which would be discussed by the ABC Board on 24/5, followed a complaint lodged by the PNG govt. ABC Chairman said ABC must be sensitive to Australia's dip rels w/As nations. If it wanted access to As countries, it must abide by rules imposed by those countries. Earlier, a member of the ABC Board had said that he had been shocked by a report that the Corp had bowed to pressure over the Irian Jaya interview. He said that political interference was probably the most important issue facing the Board (WBI 31/5)

Usage of 12290 USB [feeder] by R Australia: 0000-0100 FR, 0100-0200 EG, 0500-0900 EG, 0900-1130 IN, 1130-1230 Std Chinese, 1230-1400 IN, 1400-1430 Cantonese, 1400[sic]-2000 EG, 2200-2300 VT, 2300-2400 TI (WBI 14/6) Subject-to ad-hoc changes

BANGLADESH Dhaka, BG to Eu back on 21640 after a few weeks on 21450, to 0930*, no// hrd (Craig Seager, RA JP DX Time 3/6)

BOLIVIA On 4458, new stn R Capitán Víctor Ustáriz, "La Voz del Trópico", Villa Tunari, Cochabamba; director gerente Óskar Ustáriz Arandia. Power 500 watts, s/off around 0200. New stn in Luribay, La Paz is R Guanay, 4730. R Totoral, Totoral, Oruro, noted testing in March on 5710 (Rogildo Fontanelle Aragao, Cochabamba, Bolivia DX Club via Play DX 14/5) R, Guanay, Guanay, Larecaya [sic], Depto. La Paz new on 4730, irregular sked, ID as "LV del Minero Aurífero." R Totoral now hrd on 6218-30. New R Carlos V, Betanzos, Potosí, on 7345v, 1000-1300, 2230-0230; Sun 1100-1530 (Aragao, WRTH LA Jun) /more BOLIVIA, LMI

BOTSWANA R Botswana, 4948, has verified by personal letter in 2 months for a reception report from Björn Fransson, Sweden, advising they were off usual fq of 4848; enclosed C60 cassette and a dollar. Reply from D W Harris, Deputy Director of Broadcasting, Information & Broadcasting, Private Bag 0060, Gaborone (Eter Aktuellt, Sweden, via Play DX 14/5) An exception to the strict non-verification policy, no doubt, rather than a change in it, so don't start bombarding him w/reports, unless, perhaps you can do them a real service such as alerting them to off-frequency operation (gh)

BRAZIL R Marumby on 9665 ex-9675 (Andy Sennitt, WRTH, quoting Claudio Moraes, on RN MN 14/6) Delete R Tamóio, 9610 6155 15370. (Moraes, WRTH LA Newsletter, June) Stn on 4115, R Difusora, Sena Madureira, ex-Cruzeiro do Sul (Rogildo Fontanelle Aragao, Boli via, ibid.) Change in location, name of stn, name of town? (gh) On 4935, R Difusora Jatai, Jatai, Goiânia, hrd 2346-0030 17/5 & 20/5, announcing 2500 watts power; often gives address which is incorrectly listed in WRTH 84--it is station 927, not 922 (Lawendel, Cotroneo, Monferini, Zella, Cacciamatta, Play-DX, Italy, 21/5) Comparing the two listings, one can see how the confusion arose (gh) Another stn on 4935 is R Jornal A Crítica, to 0200*, addr: Rua Saldanha Marinho 606, Edifício Alfredo Lunha, Salas 22-24, Manaus 69000, Amazonas. Pgm Dir Carlos Souza Caldas Cervinha (Distance-r, Sweden, via Play-DX) That addr differs from WRTH 84 listing (gh) And WRTH has two more stns on 4935--like most Braz tropical fqs, there's no policy of one stn per fq (gh)

BULGARIA R Sofia, J84 for Af svc in EG: 0400-0500 11720 15215, 1830-1930 & 2030-2130 15310 15370 11840 11960 (Craig Seager, June ADXN) 0730-0800 Eu/NAM on 15310 ex-15160 //11720 (Seager, RA JP DX Time 3/6)

CAMEROON The Africa DX Assn, Nigeria, reports a new stn on 7290 around 1520, sounding like "R Pastu[sp?]" ; may be in a newly created province (Andy Sennitt, RNMN 14/6) CANADA, LMI

CHINA CPBS, Beijing, now carrying BBC English by Radio pgms as part of its lang lesson course. One hrd at 0020-0030 on 15385 15520; repeated same day 0830 15030 15500, all on Sun. Further monitoring necessary to determine days of week, other fqs (Robert Chester, RA JP DX Time 10/6) Wait a minute--15385 and 15520 supposed to be on the ES of R Beijing to NAM in EG at that time-- (gh)

BBCMS skeds of R Beijing include fqs never ancd or published by stn and presumably feeders; some contradixions, e.g. 17795 w/other obs, cf Australia; so here is the complete BBCMS version for the Americas: 2200-2300 PT 15425 11675 11600 4200. 2230-2300 Esperanto 15600 11685 11515. 2300-2400 SP 17770 17700 15600 15480 15200 15180 12450 8425. 0000-0100 EG 15520 15480 15385 11650 10865; PT 17740 15425 11600 8300; SP 17770 17700 17680 15600 15200 15180 15100 12450 8240. 0100-0200 Cantonese 17740 17725 17533 17450 15600 8300; EG 15520 15480 15385 11650 10865; SP 17795 17770 17680 17650 15200 15180 15100 12450 8425. 0200-0300 Std CH 17740 17725 17533 17450 15600 15520 15480 8300; EG 15385 11650 10865; SP 17795 17770 17680 17650 15200 15180 15100 12450 8425. 0300-0400 Cantonese 17740 15600 8300; EG 17795 15520 15480 15385 10865. 0400-0500 Std Chinese 17740 15600 15520 15480 8300; EG 17795 15385 10865. 1100-1130 SP 11685 9860; 1100-1200 EG 15520; Std Chinese 11650. 1130-1200 SP 11685 9860. 1200-1300 Cantonese 11685 9860; EG 15520 11650.

Other EG: 0830-0930 ANZ 15195 11600 9860 8425. 0930-1030 ANZ 15195 11600 9860 9345 1200-1300 SEAs 15280 15195 11660 11600 6825 1341. 1300-1400 SEAs same. 1400-1500 SAs 17700 11600 6825, 1500-1600 same. 1600-1700 E&SAF 15165 11600 6550, 1700-1800 same. 1900-2000 Eu 11500 9860. 1930-2030 N&WA 11910 11515 9440, 2030-2130 same. 2100-2200 Eu 11500 9860 (WBI 31/5)

Minority-lang svc from CPBS Beijing obs: (all 55 min bcs) 0030 Uighur 15670 11375 5800 4735 3990. 0130-0225 Kazakh 15670 11375 5440 4970. 0400-0455 Korean 9920 8566. 0500 Mongolian 8566 6974 6430. 1000 Korean 9920 8566 1206. 1100 Tibetan 15670 11675 7110 5995 4035. 1200 Mongolian 8566 6430. 1300 Uighur 15670 11375 5800 4735 3990. 1400 Kazakh 15670 11375 5440 4970. 1500 Mongolian 15670 11375 +Urumqi 5060 4220. 2130 Korean 8566 6430. 2230 Mongolian 8566 6430 6080. 2330 Tibetan 15670 11375 (WBI 7/6 & 14/6)

COSTA RICA, see Last Minute Info, at end of LN

CUBA 15230, a longtime RHC fq from Cuba, is now listed as from USSR as follows--
1800-2000 SP Medit/Af //17710; 2000-2100 PT Medit/Af //17710. Other USSR relays--
1500-1600 AR, 1600-1700 FR, 1700-1800 EG all on 17710; 2200-2300 EG 11705. EG direct
from Cuba: 0100-0450 15300 11930. 0330-0600 11760. 0450-0600 15300. 0630-0800
11725. 2010-2140 17885. 2050-2140 17750 17705 (WBI 24/5)

CYPRUS Cyprus Mail reported 18/5 that strike of Greek-Cypriot staff at British East
Mediterranean Relay Stn (BEMRS) had been raised in the House of Reps 17/5. It was de
cided to refer the matter to the Labour Affairs Parliamentary Committee. The strike,
which was nearly a sequimonth old, concerned pay-scale revisions. A Cyprus Broad-
casting Corp report said an agreement 'd been reached 18/5 after the 44-day strike by
personnel of the Zyyi radio stn (BEMRS). The employees would return to work 18/5. Con
fed of Cypriot workers said agreement based on Labour Ministry mediation (WBI 24/5)

R Bayrak, the Turkish-Cypriot community's bcng stn, and that a 7-kW SW xmtr on
6150, which was built by enrgs from Bayrak Radio-TV (BRT) 'd be operating from 1/6,
used for for-lang bcs, //MW 1494 & FM 105.0 98.1 87.9. 6150 confirmed by monitoring
--had not been hrd on 49m since Sept 83 (WBI 7/6)

CZECHOSLOVAKIA Many of the Nam svcs from Eu stns in our evenings are quite audible
in SAs off the back in the mornings--now, R Prague's 0100-0200 (but not the 0300-0400
repeat) on 11990 9740 9540 7345 5930 is listed by BBCMS as also for South Asia (WBI

ECUADOR R Baha 'í, Otavalo on 4990 ex-4996, often hrd 0455-0500* new s/off time, 14/6
good (Gordon Bennett, UKOGBANI, Play-DX, Italy, 21/5) R Federación Shuar, 4960, direc
tor Mario Katan says that for economic reasons locally they are closing at 0000 in
stead of 0100 UTC, and that the stn cannot confirm reception reports unless an SASE
w/Ecuadorian stamps is enclosed (G Zella, Play-DX 21/5)

HCJB on 15390 in SP at 1130 canned ID mentioned that among the stns retransmitting
its pgm Revista Informativa Vozandes are: R Centinela del Sur de Loja, La Voz del Va
lle en Machachi, LV del Tomebamba en Cuenca, Radio Libertador en Saquisilí, y La Voz
de la Maná en Gran Maná, Cotopaxi, on 15/5, i.a. More stns mentioned other days:
22/5 Ecos del Montúfar en San Gabriel de Carchi, Ondas Ecuatorianas en Sucúa, Morona
Santiago; 28/5: Ondas Azuayas de Cuenca, LV de Riobamba y Radio Continental de la ciu
dad de Ambato (Radio Nuevo Mundo, Japan) In DK Partyline, Bob Grove of Grove Enter
prises has 'rx reviews' over HCJB. SPEEDX report is back after a few months' absence
with David Sharp. EDX report is first Mondays (George Tolson, ADXN) Clayton Howard
is retiring as host of DXPL and moving to Florida at the end of July (June DXO)

EQUATORIAL GUINEA On 8000, 14/5 2030-2134* "Transmite el servicio internacional de
Radio Bata," announcing 15110, requesting reports to Apartado 441, Bata, or Apartado
851, Malabo; not //4926, G-VG ("SS", Play-DX) Further obs of "Intl R Svc, Rep of Eq
Guinea" show it continues on 7998 1800-2130, tho still ancing 15110; SP anmts say
listeners will be provided w/nx and w/Guinean, American, Eu mx during XMNS, but no mx
yet obs--mainly mx and incl some religious pgms in EG (WBI 7/6) R Ecuatorial, Bata,
has mailbag pgm Sun 2000-2045 on 5005 (John Campbell, UKOGBANI, RNMN 7/6)

FRANCE [Cf Apr LR p 46] RFI on 9605 unseems Fr Guiana--hrd *2258 w/IS & FR pgm to
2430* since 11/4; sounds like Eu sig, rather poor & often fades before 2400. However
9790 is vy strong, must be either Gabon or Guiana relay (Ernie Behr, Ont, May) ^{GABON}
^{DMI}

GERMANY WEST Selected DW xmsns showing relay sites: 0000-0200 GM A15410 K15270 11795
K11765 9735 9700=SSB 9625 6100 6075 3995. 0030-0050 PT M15260 A15105 A11865 11810
M11785 9545 6145. 0100-0150 EG M11785 M9590 9565 A9545 6145 M6085 A6040. 0200-0250
EG M11945 9690 7285 6035. 0200-0330 SP 11865 A11810 A11785 9640 6065. 0200-0400 GM
K15270=to 0300 15105 M11795 K11765=to 0300 SSB=9700 9735 9605=from 0330 9570 M9545
6145 6100 A6085 6075 3995. 0400-0547 GM M15275 M11795 9735 9605 6145 A6085 6075 3995
0500-0550 EG A11705 9690 A9545 6120 5960, 0930-1020 EG A15290 K21500 K17800 17780
15275 A9650. 1000-1040 PT A17860 A15205 A11810 A11705 [i.e. all four Antigua xmtrs,
when no BBC usage of site]. 1100-1130 SP A15205 A11705 A9735. 2130-2300 PT M15260
A15105 A11865 11810 M11785 9545 6145. 2200-2400 GM K17860 A15410 11795 11765 K11705
9735 9690 7235 6100 6075 3995. 2300-2430 SP M15260 A15105 A11865 11810 M11785 9545
6145 (WBI 17/5) C=Sackville, Canada; K=Kigali, Rwanda; M=Cyclops, Malta; A=Antigua/
Montserrat [no distinction here between the two]; no prefix: W German site

GREECE VOG on 21465 at 0900 in GK & EG; ex-21445; but QRMoscow which also moved here
recently; //17565 weaker (Philip Harrison, WA, RA JP DX Time 19/5)

GRENADA TWR Bonaire reported 25/5 quoting Grenadian govt sources that an ideological
purge 'd taken place in Minfo, resulting in dismissal of 10 employees at state-run R
Grenada; interim govt gave no offl version of dismissals. Last Dec, Interim Govt
Chairman 'd said that the Minfo was packed w/people who were not genuine workers but
committed to alien ideological cause. Stn now operated out of makeshift hq (WBI 7/6)

GUATEMALA TGNA, R Cultural, 9505 confirmed w/letter and sked in 5 months; had sent a C60 and 2 IRCs. Was a test xmsn 29/10/83 at 0415 (S Nuzzi, Ragusa, Italy, Play-DX) Very seldom reported fq the listed there for many years

GUYANA FRENCH [see also FRANCE] A TDF sked for RFI J84 shows two xmtrs in use at Montsinery relay base on 15435 15180 2200-0400 (WBI 17/5) RFI via Guyana F on 15180 at 0159 5/11 w/FR ID, SP ID, then world/LAM nx in SP, over Kiev. So the 0200-0300 hole in 24h sked has been filled, cf June LN-5. Later noted w/FR nx 0330, EG nx 0346, in the clear 0330-0400* 6/6 (Dale Park, HI)

HUNGARY R Budapest in EG [one hour later when Hungary is on Winter time]. 0100-0130=not Mon NAM, 0200-0230 NAM, 0300-0330=Mon NAM, 0300-0315 DX Wed/Sat NAM all on 12000 11910 9835 9520 6110 6025. 0930-1000 ANZ/Japan 21665 17710 15220 15160 11910 9835. 1050-1120=M-F Eu 17710 15160 11910 9835 9585 6025. 1415-1430 Tue/Fri DX Eu 17710 15160 11910 9835 9585 6025. 1430-1500=Mon-Sat As 21665 17710 15220 15160 11910 9835. 1600-1630 Eu (incl 1617-1630 DX Tue/Fri) 15160 12000 11910 9835 7220 6025. 1800-1830 =Tue/Fri Eu 12000 11910 9835 9585 7220 6025. 2000-2030 Eu 12000 11910 9835 9585 7220 6025. (WBI 31/5) So the 0030-0100 Wed & Sat EG special pgm (like GMT Mon 0300-0330) has been dropped? (gh)

INDIA AIR GOS J84 EG sked: NEAs 2245-0115 9912A 11875B. 0000-0115 15415D. 1000-1100 15230D 15320D 17387D. SEAs 2245-0115 7215D 9595A 11765D, 0000-0115 15110D, 1330-1500 11810D 15335A. ANZ 2045-2230 9550D 9912D 11895B 1000-1100 15130D 17705D 17875A. EAF 1800-2000 11830D 15265B. WAs 1745-1830 9550D 11620A. W/NWaf 1945-2045 9755D 11865D; UK/Eu 1845-2230 7255D 9665D 11620A, 2000-2230 9912D. D=Delhi, A=Aligarh B=Bombay (Alok Das Gupta, India, June ADXN) Nice to have the sites designated, tnx!

A new 100 kW SW xmtr at Malad, a northern seaside suburb of Bombay is currently under installation. This unit, a new BBC 100 kW, is intended to replace the old Marconi 100 kW currently used for Vividh Bharati (commercial svc) and ES. New xmtr expected to be inaugurated soon after mid-year (Radio Monitors Intl via Asian DX Review)

Two SW xmtrs each 500 kW are being set up at Doddaballapur, near Bangalore, as part of the plan of AIR to strengthen its ES. With these, Indians in Western countries could hear AIR clearly. (Indian Express 27/3 via B Padaki, ADXR) A new integrated bc svc for the NE region from Shillong w/50 kW SW xmtr expected to be commissioned in 1984-85; Gauhati will also be provided w/50 kW SW xmtr to strengthen the existing svc during the current fiscal year (Economic Times 11/4 via B Padaki, ADXR)

AIR GOS to NEAs ex-fq 15227.5 ex-15230 1030 28/5 w/Best of Faithfully Yours, as I call this repeat, then now-fortnightly DXers Corner (Dale Park, HI) /more INDONESIA LMI

INDONESIA RRI reported Pres Suharto'd commissioned new RRI xmtr in Cimanggis 20/5; new 250 kW xmtr covers E Indonesia, part of W/Pac; three more w/100 kW ea would be beaming to Sumatra, Kalimantan, Sulawesi and part of East Indonesia (WBI 24/5) Maybe it's on the recent new fq 11700: (gh) RRI Programa Nasional hrd since 29/5 also on 11700: 2155-0100 11700 6045, 0455-0800 11770 11700, 0955-1610 11770 11700 9680 7270 6045 (WBI 7/6) RRI Bandung hrd on alt 4946, 1800 Islamic chants [sic]; 4946 had different pgm from other Bandung fq 3205 (Craig Seager, RA JP DX Time 3/6) RRI Sorong uses 4865 for morn xmsn *2000, but eves on 4870 (Ray Crawford, via Cushen, RNMN 7/6)

IRAN VOIRI increased its ES in FR 22/5 w/new daily xmsn 0630-0730 on 15084 9022. Ancd for W/CEU, Naf; FR now totals 10 $\frac{1}{2}$ hr per week (WBI 24/5) Persian lang DS hrd since 3/6 on 6105 //15084 daytimes. ES xmtr on 4990 occlly switches to 4895 ea to avoid QRMing VOIRI's AR svc (WBI 14/6) NAM is one of the targets for the following: 1730-1800 GM 11930 9022. 1800-1830 FR 11930 9022. 1930-2030 11930 9022 EG. 2030-2230 Persian 15084 11930 11735 9022. 2230-2230 AR 15084 9022. 2330-0230 Persian 15084 11930 9022 (WBI 14/6)

ISRAEL, LMI /more IRAQ, LMI

IRAQ Sawt ul Jamaheer hrd on new 11750 ex-11745 in AR to 2200*v, //11785 9680 9635 10/5. Cf May LN-21: The flutter-jammers on Irans SW fqs are not necessarily from Iraq, as most observers seem to believe. In Apr a flutter-jammer was noted daily on 11745 1600-2300+, probably intended for Iran, but also QRMing R Baghdad on 11745 at 1800-2200 in AR. A similar flutter-jmr on 15084, QRMing both AR & Farsi pgms from Iran. However, during Libyan siege in London this jammer apparently switched to 15180, QRMing BBC's AR svc 1500-1930+ 23/4, while 15084 was unjammed. This does not explain the origin of the mysterious flutter-jammers, but why would Iraq jam its own bc on 11745, as well as the BBC on 15180? (Ernie Behr, Ont) One answer may be incompetence (gh) Iraqi-type jammer on 15315 at 1130 3/6, probably on top Irani xmsn (Park, HI) Occl R reception of R Baghdad EG to Nam 0200-0300; usually so weak as to be unusable (Philip Harrison, WA, RA JP DX Time 19/5) Fq? Presumably 21585 as previously sked an hour later. Speaking of incompetence, anyone with the least knowledge of propagation would know that 13m is completely unsuitable for a svc from Iraq to Nam at this hour --or are they trying to make it by long path? Anyone ever hear this on west coast? (gh)

JAPAN NSB-II noted here on 9760, usually co-channel Canada and Oz (Australia); also 6115 in place of LAmS some nights; carries EG LL around 0930 as noted 6/6 while English for Millions is still on [NSB-I] 9595 6055 3925 daily 0900-0930 (Dale Park, HI)

KIRIBATI RK has not been noted since mid-Apr on 16432 14802 9825, tho there was a moderately strong carrier on 14802 around 0700 6/6. I do intend to write them soon with a reception report and inquire about their current situation. RK is one of the stns carrying Rudi Hill's Pacific Link mentd in May FRENDX (Dale Park, HI)

KOREA SOUTH Since 25/4, KBS broadcasting Korean mx on 13670 0200-0400 (NDXC via ADXN & ADXR) Was a mystery to NAM listeners for quite some time since there were no anmts; (gh) R Korea testing 13670 until 24/6 non-direxionally 0200-0400; after 25/6 to 5AM; 2/7 to 8/7 changes to 0630-0830 to ME; after 9/7 to Af; in all cases, 1st hour in EG, 2nd hour in KR (Roger Tidy, UKOGBANI, SCDX 19/6)

LEBANON [Cf May LN-22] King of Hope does not plan to move to 6665, and their xmtr on 6215 is only 10 kW, not 100 kW. Sig always much weaker than V of Lebanon on 6550, which used to be 15 kW (Ernie Behr, Kenora Ont)

Per 22/5 Kuwaiti nxpaper As-Siyasah, new radio stn to begin xmsns in Beirut at beginning of month of Ramadan (31/5 or 1/6) under auspices of al-Maqasid Charity Assn. Its fq range will cover Leb, Syria, Jordan, Saudi Arabia, "occupied Palestine", Cyprus. Thus, the leader of the Sunni Lebs'll be entering the 'war' of the radio stns which have proliferated in Leb recently. As-Siyasah also said V of Lebanon was under supervision of Leb Phalangists. V of Arab Lebanon was organ of Indep Nasirite Mvmt, al-Murabitun. V of the Mountain mouthpiece of Prog Socialist Party. R of Free Lebanon run by mly wing of Phalangists. The 'voice of the north' from Ihdin (ed note: a ref to stn which announces self as "R of Free & Unified Lebanon") was being operated by the Central Command in Zgharta and was linked to former Pres Sulayman Franjiyah. Shi'ite Amal mvmt was also working towards establishing a political-affairs radio stn and another one to carry religious pgms. The following have been hrd operating in Leb over past few months: R Lebanon (state controlled) 989, 837 kHz. V of the Mountain, 1080. V of Lebanon 6550, 973. V of Arab Lebanon 930. R Free Lebanon 1476. R of Free & Unified Lebanon 585. V of Palestine 1504. R F& U L quoted Leb Info Min as telling former Pres Franjiyah that info was linked to security. As long as there were two sectors of Beirut, the media'd remain as was. When Beirut united, media'd be unified

(WBI 31/5)
LIBYA 13/5, R of the Democratic Republic of Sudan bc a communique issued by the Natl Front for the Salvation of Libya. Said i.a. that its "fighters" had "blasted" one of the main aeriels of the Qadhafi radio stn in Tripoli during the evening of 9/5. This led, said c'qué, to cessation of V of the Greater Arab Homeland xmsns for several hours. 9/5, fq carrying V of the Sudanese Popular Revolution svc (17940) obs to go off the air at 1353. Xmsns resumed on 17940 at 1732, w/relay of VOTGAH svc until at least 2200. Normally, 17940 goes off immediately after end of VOSPR svc at 1730 apx and does not carry VOTGAH. During afternoon 9/5, only one channel, 9890, was traced carrying Libyan R's DS. When it started at about 1650, VOTGAH hrd on 9890 only. This was joined, unusually, by 17940 at 1732. The 9890 channel later replaced, exact time unk, by 11815. There appeared to be a 10-min break in xmtn on 9890 from 1753. No trace found of 17930 channel, which is normally the best received during early eve period. One can normally expect to hear DS until 1650 and VOTGAH on 3 or 4 SW fqs simultaneously. However, Libyan radio's SW fq usage is often somewhat erratic (WBI)

MALAYSIA/SA'UDI ARABIA 17/5 RNMN quoted nxpaper New Straits Times that Saudi Arabia & Malaysia'd soon begin joint bcng of a radio pgm called V of Islam to SEAs as part of an effort to propagate Islam in that region. Saudi govt'd agreed to provide Malaysia w/8 megariyals to establish pgm, to be known in AR as "Haydu al-Islam" (English: The Guidance of Islam). However, it'd not yet been decided whether SA'd produce the pgm and relay it from Malaysia or whether the Malaysian Info Ministry'd produce it

(WBI 24/5)
MALI 3/5 was the last day R Mali used 5599.5, to 2400* (Sporen 83, Norway via Play DX)

MARIANAS NORTHERN NASWA Country List says "No. Marianas", US Postal Service says "CM (Commonwealth of the No. Marianas)," yet every club bulletin editor uses "Saipan". C'mon, Saipan is as much a division of the Commonwealth as Kaua'i and Maui are of the State of Hawai'i. If Saipan is classified as a country, then Kaua'i and Maui should also, being the sites of WWVH (and you can include O'ahu, site of VOA/KRHO [historically]). While I await the reply, KFBS was noted in mid-May testing until 0200* on 17875 w/non-stop instrumentals, including country tunes, ending w/anmt to retune later on a 25mb fq for RS. Regular sked has not been hrd yet (Dale Park, HI)

KFBS J84 sked: 2100-2200 15435 Mandarin 305°, 2200-2300 15125 Indo 242, 2300-2400 Viet 15125 278. 0900-1100 11775 RS 341, 1100-1300 Mandarin 11845 305, 1300-1500 11820 Russian 323, 1500-1530 11705 Malayalan[sic; it's -m] & 1530-1600 Urdu 11705 278. QSL Secretary is Mrs Rose Bower; addr PO Box 209, Saipan CM 96950 (Charles Foxx, VA) +LMI

KFBS Saipan fair on 17875 0100-0200 w/test pgms of mx, IDs in EG; at close, ancr says pgms resume at 0900 on 11775, 11920, 11705, 11745 (Robert Chester, RA JP DX Time 10/6) KFBS hrd on 17875 at 0140, religious mx, 0145* in EG (Chuck Oliver, TX, late May)

13/4 letter from KFBS says "We are still going thru the process of "de-bugging" our xmtr but our engineers feel we are over the hump, as it were, e.g. the problem with harmonics has been eliminated. As soon as we receive authority from FCC in Washington, we shall start pgming" (V M Parikh, Asian DX Review) Harmonics? Haven't seen any DX reports of them, but would be on 23 or 30 Mhz bands at least (gh) MAURITIUS, LMI

MEXICO XERMX R México on 11770 hrd often from *1300-1630 f/out w/Mex mx & talks; G sig (Ernie Behr, 5/3) And noted to 0500* one night after lengthy NA--it's now permitted to play it on days other than Independence--on 15430 saying would return at 1300 on 5985 and 11770. Full current sked needed (gh) XEWW off-fq 15177 at 2207 2/5, nearly drowned by stns on each side (Chuck Oliver, Spring TX, Mexico) more, LMI

MONGOLIA Since mid-May, Ulan Bator EG svc monitored in Japan: 1200-1235 12015 9615, 1255-1330 15305 9575, 1445-1520 15305 9575, all Mon-Fri (NDRG via ADXN) So the 1400 xmsn has moved to 1255. BBCMS almost agrees: (gh) All Mon-Sat, same fqs but first xmsn also on 12045 11985; others also on 15335 15275 (WBI 14/6) Guess what, the extra fqs are all \pm 30 kHz from center fq--previously reported as spurs. Rest of RUB's ES: (gh) 0950-1025 Mongolian 12045 12015 11985 9615. 1030-1100 Std CH 12045 12015 11985 9615; Tue & Fri Russian 11857 7263 4995 4865 4850 227 209 [i.e. fqs taken from DS]. 1100-1130 Mong 12045 12015 11985 9615. 1130-1200 Std CH same. 1330-1400 Std CH & 1400-1430 Mong 15335 15305 15275 9575. 2025-2100 Mong-not Sun and 2100-2130 Std CH-not Sun both 12015 9615 (WBI 14/6) BBCMS always omits French, but a now outdated printed sked from RUB still showed it (gh)

This may be contravening one purpose of the contest, i.e. listening to the stn, but since they have sent out the following in print, why not? (gh) Dear listeners, Mongolian people will celebrate the 60th anniversary of the proclamation of the Mongolian People's Republic in Nov 1984. In this connexion RUB announces a quiz "How well do you know the MPR?" Those willing to take part have to answer the following questions:

1) Name the countries with which Mongolia has common borders! [sic] What is the area and population of the MPR? 2) What do you know about the socialist way of development of Mongolia? When and under which circumstances was the socialist way of development chosen by the Mongolian people? What is the peculiarity of its transition to socialism? 3) Who was Damdiny Sukhbaatar and why do the Mongolian people highly revere this man? Which other heroes of the Mongolian people's revolution do you know? 4) What is the name of the capital city of Mongolia? When was it proclaimed the capital of the MPR? What do you know about it? 5) Who is Mongolia's space pioneer and when did Mongolia enter the space club? 6) What do you know about the battle of Khalkhyn Gol? 7) The prestige of the MPR started growing in the international arena after it became a member of the United Nations. When did Mongolia become a UN member? With how many countries does Mongolia maintain diplomatic, economic and cultural ties? 8) What foreign political course has the MPR been pursuing since its foundation? What do you know about the foreign political initiatives of Mongolia? Apart from the questions of the quiz, RUB asks you to answer the following: When did you first tune into RUB? Are you a regular listener of RUB? What is your opinion about RUB's programme? The length of each answer should not exceed three typewritten pages [sic]. Winners will be determined on the basis of correct and full answers to the greatest number of questions and will be awarded special [unspecified] prizes of RUB. Your answers should be postmarked not later than 1 September 1984. Winners will be announced in one of our programmes before yearend. So, rush in your answers to: R Ulan Bator, P O Box 365, Ulan Bator, Mongolia. Wish you every success! oOo (via Charles Foxx, VA)

MOZAMBIQUE R Mozambique ancd that, w/effect from 14/5, it'd start being nx at 0400 & 0500, replacing one at 0430. The "Date in History" pgm'd now be bc after 0500 nx. Also from 14/5, 2200 nx review "The Last 24 hours in the News" 'd be replaced by a nx bulletin. R Moz said this was part of the scheme to give listeners nx at hourly intervals (WBI 17/5) 3212 and 4863 are the only xmtrs currently on the air from Maputo for the Natl svc, 0255-0530 & 1500-2205, whilst between 0530 & 1500 only 15295v is hrd. The Maputo e Gaza svc is on 3368 and 7111 morn & eve, 7111 & 9525 days (Richard Glnbey, Bophuthatswana, RNNM 21/6)

NAMIBIA Finally IDed the stn almost booming in on 6185 after 0530 as R South West Africa. Hrd 7/6 w/SIO 343 at 0554 in AK, woman w/iv pgm, guitar IS inserted at 0555, then ad for beer, time pips, and R Suid-Afrika nx (incl Zola Budd item!) (Dale Park, HI) So there's more than Vatican to hear after WRNO s/off; Vat axually weakened by excessive sunlight at the moment (gh)

NETHERLANDS/ANTILLES RNW 21485 via MADAGASCAR noted 0710 30/4 w/pop & soul mx instead of Newsline; then ID for "Rah-di-o Ned-er-lund" from, of all people, Dick Speek-

man! Relay probably lost satellite feed but // fqs inaudible so could not check; Speakman also seemed lost, hi. Monitoring of 9650 test 7/6 shows QRM from unID 9640, unID 9655 (Thailand?), ABC Brisbane 9660 and Pyongyang mix 9665, with rapid fading. On second thought, perhaps they should move from 9650. [First thought: items mistakenly reversed by ed.] RNMN and 0750 24/5 edition that beginning 28/5 there'd be a test xmsn to "Western Australasia" via Bonaire on 9650 1040-1120, in anticipation of a move later in 1984 of 0830-0925 bc to 1030-1125 since 0830 timing conflicts w/evening nx (but 1030 timing would conflict with late-night nx) in Australia. Reports to Fq Office, RN. BCs monitored since 28/5 are OK, some adjacent channel QRM but tolerable, tho there seems to be more fading. 0830 bc is co-channel FEBC on 9715; 0730 now has 9717+ KITTY QRM. Now RNMN can be hrd at 0630 EDT. No word on how 0830 DT will be handled. Club bulletins still show 0700-0720 EG at 21480; it's on 21485. RNW noted off the air at t/in 0240 1/6 on 9590; back on at 0310, but some xmsn breaks between 0600 & 0630; see also NORWAY (Dale Park, HI) Later anmt said new bc'd officially begin 1/7, 1030-1125; should be fair in NAM for early risers; and 2 hours of tape'll get you DW + RN in EG on same fq, 0930/1125 both relayed from Caribbean. Radio Enlace, RN's SP DX pgm, and 7/6 amidst my DX nx that from 1/7 Bonaire bcs 0830/1125 'd be thus: 0830-0855 EG Mon-Sat ANZ 9715, 0830-0855 Sun DT. 0830-0925 DT ANZ 9770 daily. 0900-1025 Carib/Surinam 6020 DT/PM/ST; 1030-1125 EG Au 9650 daily. Weeks before this I checked at 1000 for EG mx capsule in Carib lang pgm on 6020 [& then 9510] and did not hear it, so gone? Also, technicians at Bonaire went on strike 14/6, but RN could still be hrd on Lopik fq only 9895 15/6 GMT. Things were normal the night before & the night after--why so brief a strike? What was it about? Not a word on MN re (gh)

NEW ZEALAND RNZ on 17710 ex-17705 mixing w/probable VOA PT via Brasil [I think VOA bcs only in SP via Brasil, wonder why? -gh] plus others currently unID, leaving quite clear 17705, the reverse of the situation during M84. 11960 more or less jammed after HCJB s/off [when?]; 9520 inaudible due to jammer co-channel [it's back on 9620, per Erich Schulman, TN, RIB -gh] SW usually relays 2YA-567 Wellington; yet 567 and 11960 were noted w/differing pgms 17/4 at 1007 (Dale Park, HI)

Kiwi Radio, latest sked is: 1st & 4th Fris 0730-0930; 1st Sats 1000-1200, all on 5875 w/30 watts. Addr: P O Box 1437, Hastings, NZ (Matthew Francis, June ADXN) Hobby pirate K.I.W.I. from the Hawkes Bay area, provided fair signals on 5825 despite only 30 watts, 0605-1000 20/4 & 21/4 w/own pgms plus relays of US, Swedish, Norwegian, UK hobby stns; own DX pgm 0905 21/4 featuring Hawkes Bay radio scene (NZRDXL Convention 84 monitoring, NZDXT)

NICARAGUA Since 14/4, Nic has been using 3 SW xmtrs simultaneously, w/separate pgms: LV de Nicaragua hrd on 6017.4 at 1100-1200+ w/SP ES; LV de Nic on 6098.6 same time w/ SP DS; and R Sandino on 6200 w/own SP pgm. All 3 seem hi-power, perhaps 20-50 kW, but opn irregular. 6017.4 was formerly on 6100, but 6098.6 is apparently a new xmtr, hrd only mornings (Ernie Behr, Ont) unID on 6200 at 0500 13/5, hrd several nites but can't make out. Sounds like SAM, E sig, times in GST (Chuck Oliver, Spring TX)

NIGERIA In a despatch from Benin 3/6, Nig nx agcy NAN quoted Minfo/Youth/Sports/Culture that all of R Nigeria's stns whose struxures and studios were not fully established 'd be scrapped. He had told NAN 1/6 that a committee 'd been set up to look into struxures and studios of all the stns, and to make recommendations on their findings to the govt (WBI 7/6)

NORWAY RNI noted twice on 9590 at 0250 18/5 under RNW/Bonaire, poor but IDs readable and at 0254 1/6 w/RNW off, but much weaker thru the QRM (Dale Park, HI) Here in ENAm this time of year, RNI strong enough to bother co-channel Bonaire, bad scene (gh)

PAKISTAN RP on 11667 //9425 w/poor audio quality at 1701 28/4; noted earlier in Apr on 15517 w/huge het on Beijing around 0230-0300 (Dale Park, HI) R Pak WS in Urdu 1330-1600 now hrd on new 15595 ex-15565; //11672 9865, to ME/Gulf (Craig Seager, RA JP DX Time 3/6) & I think that means same fqs continue 1600-1615 for slow nx in EG (gh) HS back on 5095 ex-3385, 1345-1559 from Islamabad, and in Dari to Afghanistan 1600-1800, jammed, Azad Kashmir Radio via Rawalpindi on 4980 ex-3395, 1410-1800 (Sarath Weerakoon, Sri Lanka, SCDX 12/6)

PERU unID SP on 6323 at 0235, G, IAm mx, often w/concertina, seems to be on every night. W/good sig, surprised I haven't hrd him before; maybe he's new (Chuck Oliver, Spring TX) Probably Estaci6n "C", Moyobamba, 6323.5 as reported by Juan Carlos Codina, June RIB (gh) more, LMI

PHILIPPINES FEBC noted regularly since 4/6 on 15450, sked 2300-0500, the first few hours in clear, but later jammed from 15445 (Dale Park, HI)

POLAND R Polonia in EG: 0200-0300 & 0300-0355 Nam 15120 11815 9525 7270 7145 6135 6095. 0630-0700 Eu 9675 7270 6135. 1200-1225 Eu 7285 6095. 1230-1300 Af 15120 11840 9675 9525. 1400-1430 Eu 7285 6095. 1500-1530 Mon-Fri Scandinavia 7285 6095 5995 1503

1600-1630 Eu 9540 6135. 1630-1700 Af 11840 9675 9525 7125. 1730-1800 Eu 9540 6135. 1730-1800 Mon-Fri Scandinavia 9675 5995 1503 [these Scand xmsns apparently are just filling a gap for Swedish currently weekends only, after having been dropped completely a few months ago]. 1830-1855 Af 11840 9675 9525 7125; Eu 7285 6135 5995 1503. 2000-2025 M-F Scand 7285 6095 5995 1503 [in this case Finnish on weekends]. 2030-2055 Eu 7285 6095. 2230-2300 Eu 7270 7125 6135 5995 1503 (WBI 17/5)

PORTUGAL RDP PT svc obs show some rationalisation--separate but often simultaneous svcs to Eu & Af have been combined since 15/5, viz: 0500-0700 M-F Eu 9740 6130. 0800-1100 Sat/Sun Eu 15125 11800 9740. 1100-1300 daily Eu/Af 21700 17880 15125 11800 9740. 1300-1400 Sat/Sun Eu 15125 11800 9740=to 1300 9605=from 1330. 1400-1800 Sat/Sun Eu/Af/Ams 21700 15285 15125 11800 9605. 1800-1900 daily Eu & Sun Af 17880=Sun 15250=Sun 11775 9605 6025. 1900-2000 daily Eu/Af 17880 15250 11840 11775 9605 6025. 2000-2100 daily Af 21700 15250. On 21/5, RDP told its overseas listeners its pgms were now being bc live from Lisbon (WBI 24/5 & 31/5)

RDP still noted under VOA 9575, e.g. 0559-0603* 2/6, in the clear only for the clock chimes and NA. How about some SW coordination among allies? (Dale Park, HI)

SA'UDI ARABIA Holy Koran recitals VG level on 21740 0730-1000 ex-21730; some QRMoscov; //21495 also good level (RA JP DX Time 19/5 from Philip Harrison, WA)

SOUTH AFRICA Musical tests from the South African clandestine site on 3950 have finally ended (Richard Ginbey, Bophuthatswana, RSA, RNMN 21/6) In 10-15 years, Radio Bophuthatswana will probably have SW facilities beamed towards Africa & Eu (RNMN 12/4 via NZ DX Times)

SRI LANKA Mr Hank Zeck of TWR Colombo says they hope to go on the air soon w/EG pgms at 0000-0200 IST; as yet our present agreement w/govt of SL does not allow for bc'ing in Tamil (M K Shaikh Jawahar, May Asian DX Review) VOA still doesn't have the land for its new site (Victor Goonetilleke, SCDX 12/6)

SUDAN Sudan Natl Bc'ing Corp, Omdurman, General Pgm - R of the Dem Rep of Sudan, all in AR 0400-2200, irregularly on 11855 5039 +MW, w/rx 0430, 0800, 1300, 1500, 1930, 2145; and Sat-Thu at 0530 1000. Regional stn Radio Juba, 693 kHz MW has nx in EG at 0500 & 1615 (WBI 24/5) SUNA nx agcy reported the start on 15/5 of the Nile Valley youth camp dedicated to removing the debris of the Omdurman radio-bc'ing stn caused by a Libyan air raid in March. Offl inaug of camp'd take place as soon as the Egyptian youth delegation arrived (WBI 31/5) Sudanese radio reported 3/6 that Pres Numayri had met offls of the Minfo and'd directed there should be radio stns in all the regions and that natl radio xmsns should be strengthened (WBI 7/6) Per SUNA 6/6, the team of Egyptian youths who'd taken part in the camp to rebuild parts of the Omdurman radio stn destroyed in a Libyan air raid last March had left for home after accomplishing their work (WBI 14/6) see also LIBYA; CRANNY; LMI

SWAZILAND TWR confirmed on 7295 at 0520 7/6 in EG. Claimed power for this xmsn is 25 kW; yet Sri Lanka at 35 kW during 1030-1130 span was absent all winter, straggling in since March over a shorter distance. Is TWR telling the truth? (Dale Park, HI) Don't fall for the 'miles-per-watt' fallacy--there are too many other variables, such as antenna direxionality and propagation path which might account for it (gh) So not using 7305, and Botswana reportedly moved to 7255 (gh) TWR in EG to South Africa on 3240 between 2000 and 0015 (M K Shaikh Jawahar, ADXR) Awful late; not UTC?

SWEDEN Because of poor reception in Nam, Sweden Calling DXers will be rebroadcast by Radio Earth, probably one week later, on Tue nights (GMT Wed 0300+ 6185) (J White)

SWITZERLAND Because of poor reception in Nam, Swiss SW Merry-go-Round will be rebroadcast by Radio Earth, one week later, on Sat nights, i.e. GMT Sun 0300+ on 6185 after the 3rd Sat, and 1st Sat unless there is a 5th Sat (Jeff White, SRI 23/6) I don't think this is necessary; I've never had any problem hearing SRI wherever I've been in Nam (gh) SRI QRMing itself on 12030 & 12035 at 0500-0630; must be nerve-racking for listeners in CEU (Dale Park, HI)

Obituary: The head of SRI's Cultural & Documentary pgms, Mr Lance Tschannen, has died unexpectedly aged 62. Mr Tschannen worked at the SBC for almost 40 years and was also president of the Swiss Music Council. He was one of Switzerland's leading jazz experts (SRI news 7/4 via John Mainland, NZ DX Times)

TAIWAN On 1/6 the Taiwanese nx agcy CNA quoted the Cabinet as stating that the Republic of China had ample experience in countering electronic signals beamed from either the Soviet Union or "Red" China, and'd not allow itself to be invaded culturally by any foreign TV pgms. It'd take up a comprehensive set of measures for the purposes of preventing and countering any foreign country's TV pgms bc via satellite. The Cabinet stated that Japan's CB-2 TV satl which started ops in mid-May was capable of sending signals to the Taiwan area. However, the Cab noted that its sigs could only be recei-

ved by TV sets with the 0.75m dish used in Japan. The 3-metre dishes used in Taiwan could not pick them up. Even the 3.7-4.2 GHz antenna dishes, which Taiwanese manufacturers produced for export to the US, could not receive sigs from the Jap satl because it used the 12.0-12.6 GHz band. In the meantime, the Cabinet said, appropriate govt agencies were drafting regulations for electronix manufacturers not to produce decoding devices or other ants capable of rxing "illegal signals" (WBI 7/6) Imagine! Bragging about jamming capability; what wonderful friends we have. South Korea is taking similar measures against reception of Japanese TV. & Why can't they let by-gones be by-gones? WW II is over; we Americans fought the Japanese too, but today harbor no such fears about them. Indeed, from what small exposure I've had to Japanese TV, I'd welcome the opportunity to see it all the time (gh) And if a little dish'll get a satl signal, a big one'll get it even better--it's not the size of the dish but associated receiving equipment that determines whether certain satl svcs can be picked up (gh) Further, techniques for jamming HF, of little use in jamming satellites (gh)

TURKEY VOT and EG sked valid until Sept: SWAs 1290-1300 17885. WEu 2000-2100 7215; 2200-2300 11965. Nam 2200-2300 & 0300-0400 11775. SEAs 2200-2300 17815; 0300-0400 17815. DX pgm in EG is aired on Sundays, not Sats (Philip Harrison, RA JP DXT 19/5)

UGANDA R Uganda ES now appears to be back in operation; EG nx hrd 12/6 1500 on 6030. Renewed use of 9730 also noted (WBI 14/6) & if you check 15325 every night at 0300, you may hear it once every week or two on the air (gh)

UNITED ARAB EMIRATES UAE Radio, Dubai hrd w/AR just before 0940 on 21605, apparently ex-21655, for Eu/NAE; weak here and on //21700 (Philip Harrison, RA JP DX Time 19/5)

U K O G B A N I Spectrum world test 21/4 w/mx 0730 on 7710, poor in city but good quality at Tiwa; many IDs (Cushen & Greenyer, NZ DX Times) R Freedom, 15040, non-verfied their test, since equipment problems prevented them from being on as sked (Mark Warner, Australia) BBC on 15670 USB at 2140 19/4, interviews in EG (Chuck Oliver, TX)

U S A A brief note from...Assemblies of Yahweh. Dear Friend: Thank you for your recent inquiry [sic] concerning our Radio Station WMLK. We will be advising our listeners to frequency and time in our publications, The Sacred Name Broadcaster, The Narrow Way Newsletter and over the Sacred Name Broadcast our regular AM-FM broadcasts [sic]. Please keep watch for these important notices in these publications. Thank you for your interest in this dynamic ministry. Pray for the success [sic] of this method of outreach as we seek to take the word of Yahweh to the lost sheep of the house of Israel. May Yahweh bless you, and again thank you. Sincerely[sic], Gary A McArvin, Project Foreman (via Charles Foxx, VA)

WRNO has had severe problems with its transmission on 7355 kHz--apparently the Harris xmtr was not designed to function on this band. Many times in the period 0100-0300 WRNO has been very weak, only 2 kW or less, and not able to override interference such as LV del CID 7352.5; but modulation has also been low and/or distorted. Unpredictably, some nights 7355 works fine and seems up to full power. On GMT 24/5 WRNO could not even get up enough power to go on the air, and did not come up on 6185 either at 0300. When the GMT Sun 0130 broadcast of World of Radio is thus affected (or any of the other airings), we ask WRNO to repeat it the following GMT Sat at 0400 on 6185, just before the first bc of the new edition of W.O.R. (gh)

U S S R [Cf June LN-26] R Tashkent -84 Quiz: You are invited to write an essay on the subject: Soviet Uzbekistan - 60 years along the road of progress and peace - when the Uzbek Republic was formed, how it became a part of the USSR, what social, economic and cultural successes Soviet Uzbekistan has scored during the past 60 years, about the role of civil aviation and activities of the Uzbek society for Friendship and cultural relations with foreign countries. Illustrations and reference to Radio Tashkent programmes are desirable. Programmes are being broadcast to help listeners with the quiz. Last date of submission of answers 1st July 1984. Result on 20/7. Prizes: 5 first prizes, each a trip to the USSR and second and third prizes include gifts and souvenirs (Mr Subhashish Dasgupta, Asian DX Review) Rather transparent attempt to encourage frequent & attentive listening. However, if you already have a potentially prize-winning entry on the way, you may want to hurriedly sent a letter of cancellation of participation, after you read this: (gh) A footnote to the item on the Tashkent essay contest--the top prize being a 10-day all expenses paid trip to Soviet Uzbekistan for the first five places. A bit of research has revealed that the average temperature in Tashkent in July is 109°F with surface temps sometimes rising as high as 166. Wintertime temps of minus 13F are not unusual. Something listeners might keep in mind before spending a lot of time trying to win this one. Yeah, right, the prize for the second five placewinners is 20 days in Tashkent, etc., etc. (Steve Summers, Mechanicsburg PA) Well, it must be just right there in spring & fall.... (gh)

R Minsk, latest ES sked effective 6/5, in Byelorussian daily 1700-1729 on 11795. 11820, 11860; 2030-2059 6175 7205 11735. IS played on organ, ID "Havorits Minsk" (Bill Matthews, OH)

Kazakh R in Alma Ata ancd that the many thousands of Korean citizens living in Kazakhstan and other Sov GAS reps were able to listen to news of Kaz in their own lang for the first time 16/5. KR-lang nx session set up at Kaz SSR State Committee for TV & Radio bcng. Kaz r'd bc KR pgm in its 2nd Pgm on 9505 5960 5260 5035 1098 twice a week--Weds 0830-0900, Suns 0700-0730 (one hour later during winter time). This meant that Kaz R now bcng in five of the langs spoken in Kaz SSR (WBI 24/5)

All-Union Radio, Moscow, apx monitored sked for summer: First Pgm for GMT +4, +5 time zones 0100-2100: AM: 12045 04-16, 11940 06-13, 11815 07-14, 11795 04-13, 9800 05-21, 9775 04-15, 9645 02-15, 9595 01-05, 9540 06-15, 7315 01-06, 6105 01-03, 5930 01-03, 5910 02-21; SSB: 14410 LSB 06-16.

First Pgm - R Orbita 4, for GMT +6, +7, 2300-1900: AM 15245 06-13, 15185 0530-14, 11915 23-03, 11750 06-13, 11630 05-17, 9490 23-19, 7420 23-03, 7165 23-03; SSB: 13820 USB 23-19, 12175 LSB 1115-19, 12135 USB 12-19.

First Pgm - R Orbita 3, for GMT +8, +9, 2100-1700: AM 15480 05-14, 9790 21-01 & 06-13, 9605 21-17, 7355 21-02; no SSB observed.

First Pgm - R Orbita 2, for GMT +10, +11, 1900-1500: AM: 15545 00-13, 15460 19-15, 12040 19-15, 11825 23-10. SSB: 16250 LSB 04-15, 14850 LSB 04-15, 12165 USB 19-22, 11575 LSB 19-04, 5040 USB 19-23.

First Pgm - R Orbita 1, for GMT +12, +13, +14, 1700-1300. AM: 12070 06-13, 6115 17-21. SSB: 18830 USB 01-08, 15490 USB 02-09, 9905 USB 17-13, 7390 LSB 17-13.

Second Pgm - Mayak, 24h, numerous AM channels; SSB: 17580 LSB 04-17, 16330 LSB 05-19, 13380 LSB 00-08 & 09-17, 12205 LSB 06-13, 12175 LSB 19-21, 12135 USB 1930-04, 10740 SB [sic] 21-02, 9905 USB 13-15.

Third Pgm, 0300-2000: AM 11945 03-20, 11690 04-15, 7440 0630-1130, 5900 03-20, 4860 03-06, 12-20, 4055 03-20 (WBI 24/5)

External Services from Regional Radio Centres, Summer 1984, EG portions only here: Kiev 0200-0230 NAm 17860 15405 15180 11770 11720 0900, 1800-1830 Eu 9710 9560 7320 7175. 2330-2400 NAm 17860 15405 15230 15180 11960 11720 9800. Tashkent 1200-1230 SAs 15460 11785 9715 9650 7340; 1400-1430 same. Vilnius 2130-2200 Eu 6100 1557 1107 666; 2200-2230 Ams 17860 15405 15230 15180 11960 11720. Vladivostok, Pacific Ocean Radio Stn, Sat 0747-0752 [during Russian 0715-0800 daily]: 21660 21530 17870 17860 17720 15545 15515 15470 15265 15190 12070 12050 11950 11910 11815 11720 11710 9905=SSB 9810 9635 9620 9600 7493=SSB 7320 7210 5940 4485 4050 3995 245 236 200 182. Yerevan 0255-0300 [sic, actually around 0253-0256] 17860 15405 15180 (WBI 7/6) Vlad: see also LMI

R Moscow ES sked compiled by BBCMS has been received, a 46-page document which could easily take up most of an entire FRENEX to reprint. If you have a need to know details of any particular non-EG lang svc, inquire of gh w/SASE. In contrast to the 20-fqs-at-once in use for many services, I herewith honor and single out the only R Moscow svc BBCMS encountered on only one fq: actually R Stn Peace & Progress, in Creole Wed & Sat to Haiti at 0000-0030 on 15325.

Speaking of P&P, might as well pull out their EG sked: 1330-1400 As 21715 15510 15500 11845. 1530-1600 ME/As 15520 15365 15320 12015 9750 6065. 1630-1700 Af 17850 15540 15520 15210 12000 11950 11745 (WBI 7/6)

ZIMBABWE Pan African Nx Agcy reported 7/6 that 34 Af countries have rxd pledges for 59 megabucks from donors at a meeting held in Harare to upgrade bcng systems in Africa. The money pledged amounts to 16% of the total the Af countries say they need to launch the 88 bcng projects they had drawn up. Pledges were made at a 3-day UN "Transport & Comms Decade in Af" consultative meeting in Harare. The 88 projects were classified into 5 groupings: rehabilitation, maintenance, training, regional technical assistance and natl tech assistance. The last two didn't attract attn of potential donors, but France, W Germany and Belgium said they were prepared to discuss a number of projects further on a bilateral basis w/the countries concerned.

ZBC Reported 4/6 that the Minister of Info/Posts/Telecomms had warned that foreign correspondents would be imprisoned if they continued to distort facts about events in Zimbabwe. Addressing a meeting of the Zimbabwe Institute of Public Relations in Harare, he pointed out that 'racist' South Africa was spending huge sums of money thru its so-called "Radio Truth" to incite the people of Matabeleland to rebel against the govt (WBI 14/6)

CLANDESTINE CRANNY

V of the Broad Masses of Eritrea, 9985, weak w/ nx 2004 20/5, couldn't locate any //s (Craig Seager, ADXN)

V of the Libyan People Libyan nx agcy JANA reported 30/5 that members of the Muslim Brotherhood who were under arrest hd made detailed statements about the bcng stns,

which were hostile to the Libyan people. According to the agcy, statements included details of their locations, their financing, the states which funded them, to whom they were handed [sic] and the role of the Khartoum govt [Sudan, q.v.] in installing and protecting these hostile stns on its territory (WBI 7/6)

V of the Free Sons of the Yemeni South (Arabic: Sawt Abna' Janub al-Yaman al-Ahrar), hostile to govt of PDR Yemen in Aden, sked 1300-1500, repeated 1500-1800 on 11180; timing of repeat xmsn depends on duration of 1300 bc, which can be as short as a ses- quihour; and has news at 1330; in Arabic. First obs 13/4/82 (WBI 17/5)

V of the Islamic Revolution in Iraq In an article on moves towards a possible Iran/ Iraq rapprochement, the Kuwaiti newspaper 'al-Watan' quoted sources 30/5 that on the initiative of Ayatollah Montazeri, the Iranian President 'Ali Khamene'i had issued a decision to close down the radio stn called this, which for 16 hours (sic) bc propa ganda campaigns from Iran 'maligned the leaders of the countries of the area'. This had been done because the Iranian leaders wanted to avoid the intensification of the conflict in the Gulf area and to create a psychological climate conducive to bringing about an understanding among the countries of the area. VOIRI, usually hrd 0600-0800 & 1700-1900 on 1555 kHz, not obs since 3/5 (SBI 7/6)

A survey 9/6 shows these stns hostile to Iraq govt are still operating:

V of Iraqi Kurdistan, 1200-1330 Kurdish/Arabic 6355 kHz.

V of the Iraqi People, 1330-1430 Arabic/Kurdish 6953 kHz.

V of the Iraqi Revolution, 1300-1415 Kurdish/Arabic 7005 kHz (WBI 14/6)

R Voice of the Liberation of Iran [cf June LN-29] is on 15555 & 9024 1630-1830 in Farsi; EG ID at beginning. Probably the erstwhile R Vatan which occupied the same channels and is now off the air; an addr in Denmark is given (Supratik Sanatani, ADXR)

R Iran (via Egypt) hrd on 9400 in Farsi *0200-0255v //11640, both fair 30/4. Some days on 9027 instead; at 0130-0200 19/4, too weak to ID (Ernie Behr, Ont)

(Free) Voice of Iran (via Iraq) hrd on 9595 in Feb & Mar from *0301 IS & Farsi to 0400, ID sounded like "Seday-e Iran". From 0403 another Farsi pgm, 0430 possibly Azeri & mx to 0500, no ID hrd; any info? (Ernie Behr, Kenora Ont)

V of Tamil Eelam What a hell on 40 meters. Nowadays, those who try to listen to the 40m ham band on the weekends here, would have surely noticed the severe interference which has become very terrible lately. This is due to the clandestine broadcasts by VOTE and the jamming by the Sri Lankan authorities to drown it. VOTE first came on the air the morning of 4 Nov 83 on exactly 7000 kHz. This stn is operated by a milit ant youth org called "People's Liberation Organisation of Tamil Eelam" who are demand ing an independent Tamil state in the northern part of Sri Lanka. From fqs and power it is evident they are using modified ham eqp and sources say they are using equipment bought from W Germany. The exact location of xmtr yet to be disclosed, they say they are not operating from Indian territory and Indian govt has also given a denial to that effect. One report says they are operating from an island 20 miles away from both India and Sri Lanka [I suppose that would be Pamban Island, which is Indian terri- tory; there are certainly no such islands which are neither India nor Sri Lanka -gh] and some even say they are operating from the high seas. Anyhow, they are being pgms hostile to the SL govt and hence the jamming. In their early days, this stn was not jammed at all but after some initial xmsns, the annoyed SL authorities began to jam it by using a xmtr of the SLBC. At first they put only the carrier or test tones; when this was not fully silencing the cland stn, they began to put some mx and other terri- ble noises. Playing jazz mx is one of their favourites. The only thing is that some times they play it very fast and often even upside down [??--backwards, maybe?, or do they have a live band which turns the sheet music upside down??, hi-gh]. Regular pgms of SLBC are also fed occasionally. Once even the RMI DX pgm was being used to jam it as it was originally bc to SEAs at that time on other channels. These jammers also began to produce a lot of splatter in and around the 40m ham band as they are over- modulating their xmtrs. When the jamming started, the cland stn began to shift fqs in between xmsns. At the beginning of their pgms, they ask listeners to retune slightly when the jamming commences. Jammers also regularly follow them but it takes a little time to detect new channel and shift own xmtr accordingly. Thus began their notorious 'hide & seek' game. Tho at first these opns were confined to 40m ham band, they are now wandering between approx 6800-7300. When jamming intensified, cland began to use addl xmtr and jamming too intensified accordingly. Jammers probably 10 kW tho cland is much lower power, say well below 1 kW. Sometimes, when hide & seek is in progress, the popular SLBC channel on 7190 disappears too and that xmtr is also used for jamming purposes on 40m. The current sked of VOTE is: Sats & Suns in Tamil at 0130-0230 & 1030-1130; in EG 0230-0300 & 1130-1200; in Sinhala 0300-0330 & 1200-1230. This sked varies slightly and they are also noted testing on other days and at other times play-

ing mx. Sometimes, even then the jammer appears. No doubt, the jammers too test their xmters from time to time. Pgm of the Tamil Eelam stn starts with their anthem "Vazhga Eella Tamizakam" (Long Live Tamil Eelam). Besides songs, interviews and reports, they also have a news bulletin which begins and ends with the sounds of a machine gun. Ham stns working on 40m usually get drowned if this clandestine stn or the jammer appears on their fq. Even if they move to a clear channel, these stns are very likely to appear there too at any moment. Their splatters also cause a lot of trouble to the hams. 40m hamband (7000-7100 kHz) has been occupied since ages by some bc stns like Albania, China, Pakistan, which begin to appear in the evenings only to fade out the following mornings. During nighttime, there is very little space left for hams on 40m due to bc stns and their accompanying jammers. There is also often a tendency for SLBC on 7190 and VOA SL relay on 7105 7115 7125 to produce splatters on the 40m hamband. One can also hear some other commercial svcs on SSB, CW on this ham band. These coupled with other occl pirate and unofficial opns, not forgetting that nasty woodpecker, make ham radio on 40m more and more difficult, if not more and more challenging. It is high time the concerned authorities take the necessary steps to clear 40m hamband from all the interference (Jose Jacob, Poona, India, May Asian DX Review) VOTE is one topic, I'll bet, that RMI doesn't deal with... (gh) VOTE is again on the air daily 0130-0330 & 1030-1230 on fq SW 90 mb, 3500, 7120, 7500. If an interruption is caused on any one fq, listeners to try alternate channels, quite clearly [sic]. Between 1030 and 1230, news is bc (J Krishnamurthy, May ADRX)

V of the Burmese People, 7572, 1200-1400 in Burmese; jammer uses interrupted CW tone and stn drifts some to avoid it (Supratik Sanatani, ADRX May)

La Voz de Cuba Independiente y Democrática In a report from Miami 21/5, the Spanish nx agcy EFE said an anti-Castro stn belonging to CID group 'd begin daily pgms for Cuban troops in Ethiopia & Angola next month. Per CID General Secretariat, the recently inaugurated "Radio Camilo Cienfuegos" was intended for members of the Cuban armed forces and the people of Cuba and would report extensively on the "wars of liberation" in Angola and Nicaragua, as well as on the situation in Nicaragua. This new radio stn, inaugurated 20/5, was the 8th stn in the Voice of CID radio net, which began xmsns 3 years ago and which was hrd in Cuba, Venezuela, Central America and the US (WBI 31/5) Some DX pgms have assumed that Camilo Cienfuegos is the stn for Africa referred to above; I do not. See June LN; also tried moving up to 11600 for the 1400-1900 period instead of 10040; later in June missing from both for several days, but 10040v resumed with limited sked (gh) R Camilo Cienfuegos obs 5/6 & 6/6 on 10039; already in progress in SP at 0350, f/out apx 1020. ID, material anti-communist, hostile to Fidel Castro and Cuban govt (WBI 7/6) Finally hrd LV del CID at 0325 18/5 on 10040 w/LAM mx, 0330 ads(?) and lots of tent IDs; retune 0355 to hear long patriotic ID w/anthem. Noted in June past 1000. The first LAM clandestine noted since Argentine Annie in 1982 (yes, Liberty was hrd in Hawaii but nobody bothered to report it (Dale Park, ibid.) Stn on 10040 at 0050 9/6, think it's anti-Castro, but don't understand amts. Chimes similar to R Havana, but different; several nites, maybe Florida? 40 over 9. Also unID SP on 6340 at 0445 13/5, mention CAM countries, Cuba, Czechoslovakia, Angola. Don't know which side he's on (Chuck Oliver, TX) Another CID fq (gh) CID on 10040 not hrd for several days now; had been well hrd (Chuck Boehnke, Los Gatos CA, 20/6) But back since tho.unseems 24h again. More, LMI

R Martí A Radio Havana report 22/5 said a spokesman for USIA 'd anncd appointment of two US citizens of Cuban background to executive positions in R Martí, which'd reportedly be going on the air next spring to bc material hostile to the Cuban govt. R Martí 'd have offices in Miami, Washington and New York, and'd bc under auspices of VOA and USIA (WBI 31/5) Did BECMS clean up this item? Amazingly objective-sounding. Note another put-off in the target date; I imagine the delays may be caused by length y security checks for proposed staffers, to be sure Fidel doesn't infiltrate (gh)

R 15 de Septiembre hrd on new 6000 at *1130-1200 f/out w/SP tlks & ID 4/4, USB xmt; //5565 & 7050, both DSB. Also hrd them on 5940 25/3 at *0233-0345* & *0503-0621*, //5565 & 7050 (Ernie Behr, Ont)

V of Sandino / V of Free Nicaragua 26/4 edn of Costa Rican nxpaper La República reported that a detachment of the Intelligence & Security Directorate (DIS) had carried out an operation on 25/4 in San Carlos cantón (CR) and'd seized two radio xmitting stns and four comms facilities belonging to ARDE (Democratic Revolutionary Alliance - a mmvt hostile to Nic govt). A La República correspondent said the DIS detachment had seized 2-metre band xmitting eqp and'd dismantled xmsn towers in Alto de Lajas, about 8 km from Ciudad Quesada. Monitoring obs of VOS and WOPN, both hostile to Nic govt, failed to find any trace of them 24/4 and subsequent days. However, V of Sandino obs again 9/5 & 10/5 at 2300 on 6205 (WBI 17/5)

NORTH AMERICAN PIRATES KQRP the only pirate hrd here in the past few weeks, 10/5 around 0330 on 7413 playing Beatles mx, poor sig; also 28/5 0238-0300 t/out on 6210, ancd/7413 not audible, w/mixture of oldies, rock & country; only fair; gone at 0307 re-check. It's been a slow month.... KQRP on 8/6 around 0247 on 7415 "Special DX Xmsn", ancd power of 5 watts; poor (John Norfolk, Oklahoma City OK)

Crystal Ship on 7425 0440-0532* w/Nixon comedy skit/record, Bob Dylan mx, IDs, fq, said 100 watts. Rock - "I don't want you anymore," "Badlands," "Thunder Road". Box 13255 MN addr; SIO 252, 2/6 (Richard A D'Angelo, Wyomissing PA)

Radio Sinewave, 7430 at 0331-0337* 10/6, caught end of premier bc. Played McCartney/Wings "Band on the Run". 0334 w/tropical island mx, "This has been a pgm in English" and "...this concludes our English language service"; 0336 "funding for this program was from a grant from the FCC". Gave addr as Box 192, Joliet, IL 60434. SINPO 34333 to 34222; sent report (Richard A D'Angelo, PA)

KIWI Radio [cf NEW ZEALAND] US relay on 7430 at *0338 after Sinewave s/off. Opening: "10 seconds and counting--10, 9, 8, 7, 6, 5, 4, 3, 2, 1, lift-off." Time pips, mx, in to relay xmsn anmt and Hastings NZ addr, requested reports. Played dramatization(?) of Wizard of Oz and Star Wars. Reception steadily deteriorated, SINPO 24222 to 13211 on 10/6. I recall reading quite a bit about this stn in LN including possibility of ceasing operations (Sept 83). Apparently, alive, well and expanding (D'Angelo, PA)

KLS Radio planned to test on 1/7 GMT at 0400 on either 6915, 7441, or 7450; most likely 6915 depending on QRM (gh)

LAST MINUTE ITEMS ALBANIA WOOB [Way out of band] xmsns of R Tirana 0500-0600 Std CH 16230 14320 10510. 1100-1200 on same. 1300-1400 Std CH 14320 10510. 1830-1900 RS 14290 [//15405 9500 7145 1395](WBI)

BOLIVIA Re Bolivian stn on 4730, reported on WORLD OF RADIO 16/6, there is a town of Huanay about 75 mi N of La Paz, but no Larecaya on my map (Ernie Behr, Ont)

BRAZIL Re Brazilian on 4115, reported on WOR 16/6 Sena Madureira is a town in north-eastern Acre, about 300 mi from Cruzeiro do Sul, formerly on this fq (Behr, 17/6)

CANADA CKZU, Vancouver, 6160, is a powerhouse mornings from 1230 w/NA & mx, 1257 mar-line wx, 1300 CBC mx, but opens w/mx anytime between 1200 & 1220 11/6; power increase? (Behr, Kenora Ont)

COSTA RICA R Casino, Puerto Limón, hrd well on 5954.4, 0500-0600 20/6, their regular EG pgm, featuring old standards such as the Ink Spots; interesting (Chuck Boehnke, CA)

GABON "Light for Islam" religious pgm on 9715, via Moyabi, agrees w/my logging of this bc in Mar & Apr 83, but not hrd since then; recent sked must be out of date, or using new fq; 2230-2245 in AR Sat only. Never gave ID, but ancd addr: B P 17, Nice 06013, France [Cf May 83 LN-26] (Ernie Behr, Ont)

INDONESIA RRI Jakarta hrd on new 11700 since 30/5, 1200-1400+ w/LN nx & mx; perhaps new xmtr, but low mod; //11770 & 7270 w/QRM; RA IN pgm on 11705 same time (Behr, Ont) RRI Gorontalo, Sulawesi, in LN on 3794 w/full ID, fq info around 1415 (Philip Harrison, Western Australia, RA JP DX Time 17/6)

IRAQ [or LIBYA] Flutter jammers hrd on BBC AR fqs 15180 & 17715, from 1500 past 2000 10/6, also on 11680 & 9825 some days, but slightly diff from jmr on 15084; Iraq has no real reason to jam BBC; more likely Libyan jammers (Ernie Behr, Ont)

ISRAEL A TV nx report produced by CBS in America was recently noted reporting that the US Govt plans to set up a bcng facility in Israel. The sole purpose of this stn would be to bc to listeners in Soviet-occupied Afghanistan; no details re xmtr power, exact location or bands to be used (Philip Harrison, Armadale WA, RA JP DX Time 17/6)

MALTA IBRA R/N America on new 9590 in EG 2030-2115*, strong 12/6 (Ernie Behr, Ont)

MAURITIUS Despite reports of Mauritius from 1100, there is nothing but an open carrier on 9709; has been there for months, and MBC used to be about 500 Hz higher, never varied; 15/6 (Ernie Behr, Ont)

MEXICO "La Hora del Observatorio Astronómico Nacional" on 9555 w/TCs & ads; s/on varies daily between 1205 & 1210, often strong; SW call used to be XETT (Behr, 12/6)

PERU Estación C, Moyobamba, 6323.5, is strongest of all Peruvians; must be at least 5 kW; 28/5 w/pop mx & NA to 0453* but 2/6 past 0630; also IDs as "La Radio". Estación 2000, Rioja, 9988.4, was weak w/mx & NA to 0234* 7/6, best on USB. [Cf June LN-23] Founding year 1967 for LV del Altiplano must be wrong; I first hrd them on 5816 in Sept 1952. On SWL Digest 16/6, should report of R Concordia on 6055 not be R Continental, as hrd by others? R Nac Tumbes 9550 is also questionable, w/Chile & Cuba on same fq (Ernie Behr, Kenora Ont)

SAIPAN Recent published sked of KFBS Saipan is incorrect; since 28/5 am axually hearing them on 11705 in RS w/EG IDs 1300-1500*, but w/QRM until 1400; not traced on any fq after 1500 (Ernie Behr, Ont) KYOI current sked: 0300-1000 15190, 1000-1600 on 11900, 1600-1900 9665, 1900-2200 9670 (W Germany reporter to SCDX 26/6)

SUDAN R. Juba, part of R. Sudan hrd on 17940 from 161000 to 172000 UTC, fair w/lots of Sudanese mx; not listed under Sudan in WRTH 84 (Bryan Shaft, Berea OH, HCJB DX Party Line 26/6) A report which leaves a lot to be desired; language? They are apparently unaware that V of Sudanese Popular Revolution from Libya uses this fq; a mis-ID, or Sudan responding w/own xmsn, perhaps to jam? (gh)

U S S R R Stn Pacific Ocean, pgm on Russian svc fqs from Vladivostok, has Russian at 1830-1915 on 5015 6115 7245 7335 9480 9520 9685 9770 11690 11705 11860 12010 15150 --Russian also at 0715-0800 and best outlets at present are 11950 12050 12070 15190 15265 15470 15515 21530. On Sats at 0735 & again at 1850, stn presents a brief news bulletin in EG (Orbita, USSR DXing Circle, Box 14, Gifu-kita, Japan, via Radio Australia Japanese DX Time 17/6)

C L A N D E S T I N E La Voz del CID, 11679.6, hrd w/SP talks & mx at 1200-1500 f/out 12/6, but much weaker sig than 10040v; latter must be at least 50 kW, is strong almost 24h a day, but US site rather unlikely (Ernie Behr, Kenora Ont) FOLLOWING NOT PART OF LN-

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FOR SALE: Drake SPR-4 with AL-4 loop antenna, crystal calibrator, and 23 crystals for all bands plus 4 extra crystals, manual, and literature. Very good condition. Price \$260.00 plus half of the shipping costs. ALSO Zenith Transoceanic Model 3000-1, LW through 18.5 MHz. Recently peaked. Service manual included. Price \$60.00 plus half of the shipping costs. Zenith claims 300 hours on sic "D" cells for this receiver. ALSO Wollensak Mono 7" reel to reel recorder. Very clean. Price \$50.00 plus half shipping. Fritz Mellberg, 1505 Central, Hawarden, IA 51023. Phone (712) 552-2458 evenings.

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C. I. N.

Attention DXers!! Here's an opportunity to purchase transcripts from the broadcasts of Nicaraguan clandestine station, Voice of Sandino/Voice of Free Nicaragua in English.

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AFGHANISTAN: Radio Afghanistan 4450 f/d "Logo" cd. in 92 ds. for 2 IRCs. (Cones-VA).
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ARGENTINA: Radio Nacional Mendoza 6180 two f/d cds. in SP/EG in 19 ds. for 2 IRCs. v/s Gabriel Ivan Barrera. (Warner-AUST). RAE 11710 f/d "Logo/Globe" cd. w/ pennant in 48 ds. for 2 IRCs. (Kacir-MI).



ASIATIC RUSSIA: Radio Moscow 9640 via Kenga f/d "Kalinin Avenue" cd. in 35 ds. (Purdum-MI). 12010 via Petropavlovsk-Kamchatsky f/d "Rowing in Krylatskoye illette-MO) Canal" cd. in 30 ds. (Gavaras-MN). 15455 f/d cd. in 55 ds. (Brou-A close source in the IOC told me that the Russians weren't comm- to the Olympics because their favorite event was cancelled..... The International Airline Trap Shooting Contest!

AUSTRALIA: VLW9 9610 via Perth f/d "Map" cd. in 33 ds. for ms. (Eckert-PA). VLH9 9680 via Lyndhurst f/d "Map" cd. in 1 yr. for 2 IRCs. (Plum NJ). VLH11 11800 f/d "Black Swans" cd. in 37 ds. for 1 IRC. (Talbot).
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BLAFRA (Nigeria): FRCN Enugu 6025 ltr. in 70 ds. for 1 IRC. v/s P.A.O. Orogbu, Assistant Chief Engineer. (Schmitz-FRG).
BOLIVIA: Radio Fides 4845 personal ltr. in 114 ds. for a SP rpt. and 1 IRC. v/s Jose M. Lop, Tecnico. (Schmitz-FRG). Radio Panamerica 6105 f/d "Map" cd. in 10 mo. for a SP rpt. and ms. (Fisher-ALB).
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RADIO N.Y.A.B.		P.O. BOX NO. 1 THIMPHU, BHUTAN
QSL CARD 047		via James Young!
RECEPTION CONFIRMED BY RADIO NYAB FOR— <i>13th July 1977</i> <i>1226-1310 GMT</i> <i>4690 KHZ</i> <i>RUNNING, REFINED</i> <i>POWER OF 100 WATTS.</i>	TX: 300 W INVERTED V DIPOLE SUNDAYS SW 41 M/7.040 MHz 1700-1500 BST WEDNESDAYS & FRIDAYS SW 61 M/4.890 MHz 1700 2000 BST BST=GMT + 6	(Louise Dorr) Director, Radio Broadcasting Ministry of Communication Thimphu. FOR RADIO NYAB

Radio Clube Paranaense
 11935 cd. in 126 ds. for a PT rpt and 1 IRC. v/s Ubiratan Lustosa, Cerente (Schmitz-FRG). Radio Rio Mar 9695 cd. in 64 ds. for 1 IRC. (Schmitz-FRG). Radio Maua 5055 f/d cd. in 3 wks. for a PT rpt. on a 1978 reception. (Field-MI) Radio Nacional Amazonia 11780 f/d prepared cd. in @ 1 mo. for a PT rpt. (Field MI). Radio Nacional Manaus 4845 f/d prepared cd. in 1 mo. for a PT rpt. (Field MI).



BRASIL: Radio Nacional Boa Vista 4875 f/d prepared cd for a PT rpt. (Field-MI). Radio Nacional Porto Velho 4945 f/d prepared cd. for a PT rpt. (Field-MI). Radio Timbira do Maranhao 15215 ltr. in GM in 62 ds. for a PT rpt. and 1 IRC. v/s Joao Ferreira, International Correspondent. (Schmitz-FRG). Radio Brasil Central 4985 n/d form ltr. in 28 ds. for a PT rpt. and m/s. v/s Jose Pedro Rego. (VanHorn) Radio Inconfidencia 15190 "Belo Horizonte" cd. in 70 ds. for a PT rpt. and 1 IRC. v/s Maria Geiken. (Schmitz-FRG). Radio Cultura do Para 5045 cd. in 66 ds. for a PT rpt. and 1 IRC. (Schmitz-FRG). Radio Aparecida 9635 cd. in EG in 69 ds. for a PT rpt. and 1 IRC. (Schmitz-FRG).

Radio Bandeirantes 11925 ltr. in EG in 72 ds. for a PT rpt. and 1 IRC. v/s Salomao Esper, Superintendente. Sticker rcvd. (Schmitz-FRG). Radio Cultura Sao Paulo 17815 ltr. w/ postcard in 156 ds. for a PT rpt. and 1 IRC. v/s Olimpio Jose Franco, Engineering Coordinator. Sticker rcvd. (Schmitz-FRG).

BULGARIA: Radio Sofia 9700 f/d cd. in 65 ds. (Levison-PA).

BURUNDI: La Voix de la Revolution 3300 white folder cd. in only 15 ds. Also rcvd. circular pennant w/ logo and flag. (Valko)

BYELORUSSIAN SSR: Radio Moscow 15320 via Orsha f/d cd. in 90 ds. (Rigas-IL). 9545 via Minsk f/d "Monument to Y. Kolas" cd. in 44 ds. for 1 IRC. (Cassidy-IN).

CAMEROON: Radio Douala 4795 f/d "Map" cd. in 56 ds. for 2 IRCs. (Wilkins-CO). same in 47 ds. for a FR rpt. and 1 IRC. v/s A. Nsima.

CANADA: CKZU 6160 f/d "CBC Centre" cd. in 17 ds. (Schmitz-FRG).

for 1 IRC. (Cones-VA). CFRX 6070 f/d cd. in 18 ds. (MacHarg-IN). f/d "Skyline" cd. in 16 ds. for ms. (Hazel-NY). Radio Canada International 5960 n/d cd. in 37 ds. for 1 IRC. (Green-TN). f/d "Map" cd. in 17 ds. (Dye-AR). f/d cd. w/ pennant and sticker in 133 ds. (McLemore FL). 11705 f/d "Jacques Cartier" cd. in 19 ds. (McLemore-FL). 9625 f/d cd. in 79 ds. (Levison-PA). 9755 cd. in 28 ds. (Wilkins-CO). f/d "DIYS" cd. w/ pennant in 18 ds. (VanHorn-TX). cd. in 22 ds. (Kacir-MI).

CAPE VERDE ISLANDS: Radio Voz de Sao Vicente 3931 "Logo" cd. in 285 ds. for 1 IRC after a f/up rpt. (Schmitz-FRG).

CELEBES: RRI Manado 3215 f/d cd. in 133 ds. for an IN rpt, tape and ms. v/s Daniel Narande, Station Manager. (Sgrulletta-NY). RRI Regional I Ambon 4845 f/d ltr. in 51 ds. for an IN rpt. and ms. v/s J. Nendissa, Kepala. (Davis-CO). RRI Kendari 4000 p/d ltr. in 36 ds. for an IN rpt. and ms. v/s Drs. Eddy Sihombing, Kepala. (Davis-CO).

CHAD: Radiodiffusion Nationale Tchadienne 4904 p/d form ltr. in 43 ds. for a FR rpt. v/s

* Danrhet Oualbadet. (Reinstein-FL). f/d ltr. in 59 ds. for a FR rpt. and 2 IRCs. (Rigas)

CHINA, PEOPLES REPUBLIC OF: Radio Beijing 15600

f/d cd. w/ stickers in @ 1 mo. (Levison-PA). 15520 f/d cd. w/ pennant and key chain in 20 ds. (Dillon-PA). f/d "Summer Palace" cd.

in 29 ds. w/ pennant and bookmarkers. (Eckert-PA). 9860 f/d "Great Wall" cd. in 30

* ds. (Talbot-ALB). Xinjiang PBS 5800 personal ltr. in CH w/ cd. in 8 mo. direct from Urumqi. Also rcvd. skeds in Uighur, Kazakh, Mandarin and Mongolian. (Fisher-ALB).

CLANDESTINE: Radio

Camilo Cienfuegos

* LVDC 6340 f/d cd. in 20 ds. for a SP

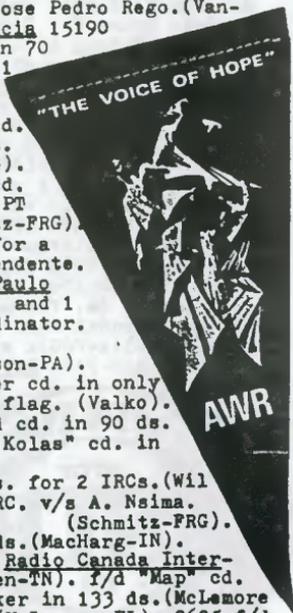
rpt. to Ap.8130, San Jose, C.R.

(Gavaras-MN).

ONDA MEDIA OBZ - 4 - N 880 Kcs.

ONDA CORTA OBZ - 4 - O 6.115 Kcs.

(Banda de 49 m.)



CONGO: Radio Congolaise 15190 ltr. in 315 ds. for a FR rpt. and 1 IRC. (Schmitz-FRG).

COSTA RICA: Radio Reloi 6006 cd. in 54 ds. for a SP rpt. and 1 IRC. v/s Francisco Barabona G. (Schmitz-FRG). Radio Columbia 4825 f/d cd. in 3 wks. for ms. v/s Rossy Cordero Salazar. (Moore-HOND). cd. in 116 ds. for a SP rpt. and 1 IRC. (Schmitz-FRG). TIPC 5055 cd. w/ ltr. in 62 ds. for a SP rpt. and 1 IRC. v/s Juan Jacinto Ochoa F., Director. (Schmitz-FRG).

CUBA: Radio Moscow 9600 via Habana f/d cd. in 30 ds. (Gavaras-MN).

CZECHOSLOVAKIA: Radio Praha 7345 and 5930 f/d cd. in 26 ds. (Fortney-PA). 5930, 6055 and 7345 2 cds. in 28 ds. (Levison-PA).

ECUADOR: HCBJ 9745 and 17790 f/d cds. in 39 ds. (Paszkiwicz-WI). 15155 and 17890 f/d "Indian Natives" cds. in 1 mo. (Levison-PA). 26020 f/d cd. in 6 wks. 100 watts! (Plum-NJ). f/d cd. in 90 ds. (Cones-VA). 17890 f/d cd. in 3 wks. (MacHarg IN). 15295 "Colorado" cd. w/ pennant in 24 ds. (Eckert-PA). 9745 f/d "ARDXC" cd. in 43 ds. v/s Peter Bunn. (Talbot-ALB). 9745 and 15155 4 different cds. in 112 ds. for ms. (Wilkins-CO). Radio Quito 4920 cd. w/ personal ltr. in 63 ds. for 1 IRC. v/s Alfonso Laso. (Schmitz-FRG). same in 23 ds. w/ pennant for a SP rpt. (Levison-PA). Emisora Gran Colombia 4910 n/d ltr. in 60 ds. for a SP rpt. Also

revd. pennant and sticker. v/s Nancy Cevallos Castro de Espinosa. (Schmitz-FRG). CRE 4656 personal ltr. and pennant in 71 ds. for a SP rpt. and 1 IRC. v/s Rafael Guerrero Valenzuela, Gerente. (Schmitz-FRG). La Voz del Napo 3280 n/d form ltr. w/ personal note in 1 mo. for a SP rpt. on my 6th try. v/s Ramiro Cabrera, Director. (Moore-HOND). same in 4 1/2 mo. for a SP rpt. and ms. (Plum-NJ). in 168 ds. for a SP rpt. tape and ms. (Sgrulletta-NY).

ENGLAND: BBC n/d "Tower of London" cd. in 37 ds. (Levison-PA).

EUROPEAN RUSSIA: Radio Moscow 9640 via Kenga f/d cd. in 30 ds. (Gavaras-MN) 4860 via Moscow (Kalinin?) f/d cd. in 61 ds. (Rigas-IL). 15350 via Yoloda f/d "Rowing Canal" cd. in 90 ds. (Rigas-IL). Ryazan 11790 f/d cd. in 42 ds. (Paszkiwicz-WI). 11850 f/d cd. in 46 ds. (Purdum-MI).

GABON: Radio Japan via AF. #1 21575 special "Moyabi Relay" cd. in 18 ds. (name?) 21550 same cd. in 38 ds. (Cones-VA). 9505 cd. in 37 ds. (Levison-PA). 21550 and 15315 p/d cds. in 33 ds. (Hardester-NC). (Fortney-PA).

GERMAN DEMOCRATIC REPUBLIC: Radio Berlin International 7 f/d cds. in 24 ds.

GERMANY, FEDERAL REPUBLIC OF: Deutsche Welle 5960 via Wertachtal f/d cd. in

36 ds. for 1 IRC. (Wilkins-CO) Sudwestfunk 7265 f/d cd. in 71 ds v/s Dr. Krank. (Rigas-IL). Radio Bremen 6190 f/d cd. in 106 ds. for 2 IRCs. (Wertheimer-MN). Sender Freies Berlin 6190 f/d "Logc" cd. in 29 ds. for 1 IRC. (Cones-VA).



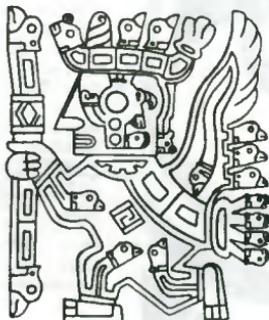
TARJETA DE VERIFICACION

Confirmamos su recepción de fecha 31 de MARZO de 19 75 de nuestra emisora. Onda Media OBZ-4-N. 880 Kcs., con potencia de 50 Kwts. Onda Corta OBZ-4-O. 6.115 Kcs., con potencia de 10 Kwts. La que encontramos correcta y conforme a nuestra programación. Siempre a sus órdenes

De sus Altos y Ss. Ss.

F. González

RADIO UNION Y TELEVISION S. A.



SISTEMA DE RADIO Y TELEVISION
ONDAS AZUAYAS



ONDAS AZUAYAS
HC5JC

4.800 KHZ
BANDA INTERNACIONAL
de los 60 mts.

1.100 KHZ
BANDA LOCAL

Decena de la
Radiodifusión
en el sur
ecuatoriano

CUENCA
ECUADOR

GHANA: GBC 4915 f/d "Logo" cd. in 149 ds. for 1 IRC. v/s Nick Fenet. (Cones-VA). cd. in 161 ds. for 1 IRC. v/s Nick Touele. (Schmitz-FRG).
GREECE: Voice of Greece 9865 f/d "Myconos" cd. in 68 ds. for 2 IRCs. (Brouillette-MO).
GUAM: KTWR 11735 f/d "Plumeria" cd. in 26 ds. for ms. (Dillon-PA). 9510 same in 14 ds. (Wilkins).
GUATEMALA: La Voz de Nahuala 3360 f/d cd. in 27 ds. for ms. (VanHorn-TX). Radio Chortis 3380 form ltr. in 51 ds. for a SP rpt. and 1 IRC. v/s Juan Maria Boxus, Director Ejecutivo. (Schmitz-FRG). p/d form ltr. in 69 ds. for a SP rpt. and 2 IRCs. (Sgrulletta-NY).
GUYANA: Action Radio 5950 f/d ltr. in 34 ds. for 2 IRCs. (VanHorn-TX).



HOLLAND: Radio Nederland 9895 via Lopik f/d cd. in 21 ds. on a test transmission. (Cassidy-IN). same in 30 ds. (Wertheimer-MN). cd. in 17 ds. (Hardester-NC). f/d cd. in 19 ds. (Muzyka-NY). same in 15 ds. (Dillon-PA).
HONDURAS: Just a quick note old buddy Don. Thanks for the kind letter. Don't know any Biron. Keep in touch Don...Sam.
HONG KONG: Radio TV Hong Kong 3940 via Cape D'Aguliar p/d "Harbour" cd. in 19 ds. for 2 IRCs. (Warner-AUST).
HUNGARY: Radio Budapest 9835 f/d cd. in 34 ds. (Gurley-TX).
INDIA: AIR 11620 cd. w/ schedule in 80 ds. (Levison-PA).
IRAQ: Radio Baghdad International 9610 f/d cd. w/ pennant and sticker in 77 ds. (Dye-AR).
ISRAEL: IBA 21760 f/d cd. in 76 ds. (Levison-PA).
ITALY: RAI 9575 f/d "Estate sul Fiume" cd. in 135 ds. (Green).



IVORY COAST: Radio Abidjan 4940 cd. in 99 ds. for a FR rpt. and 2 IRCs. (Schmitz-FRG).
JAPAN: Radio Japan 17825 f/d cd. in 36 ds. (Kacir-MI).
 * NHK 6005 via Nagoya (USB) p/d cd. in 18 ds. via Tokyo. 300 watts: (name?)
JORDAN: Radio Amman 11923 f/d prepared cd. w/ photo of King Hussein in 35 ds. for a rpt. direct to Tom Chadwick, JY1 Awards Manager. (Reinstein-FL).
KAMPUCHEA: Voice of the People of Kampuchea 11938 ltr. w/ schedule in 142 ds. for 1 IRC. (Schmitz-FRG). 11937 f/d ltr. in 209 ds. via Hanoi. (Fortney-PA)
KENYA: Voice of Kenya 4915 p/d personal ltr. in 27 ds. v/s E.K. Tiampati. (Valko-PA).
KIRIBATI: Radio Kiribati 9825 f/d "Canoe Racing" cd. in 69 ds. for a taped rpt. and 3 IRCs. v/s B. Re-

ther, Engineer in Charge. (Talbot-ALB).
KOREA, REPUBLIC OF: Radio Korea 15575 f/d cd. in 18 ds. w/ pennant. Sent my rpt. during the Pope's visit and received 2 different stamps of PJP on cover. (Eckert-PA).
KUWAIT: Radio Kuwait 11675 f/d "Map" cd. in 1 mo. w/ sticker (McLemore-PA).



CB 106 / CE 9750

RADIO MINERIA

SANTIAGO

CHILE

Q S L

LEBANON: Voice of Hope 6215 f/d "Dove and Antenna" cd. in 8 ds. (McLemore-FL). same w/ sticker in 9 ds. (Hardester-NC). f/d cd. in 43 ds. (Schmitz).
LIBERIA: VOA 17870 f/d cd. in 21 ds. (Levison-PA). 6035 f/d cd. in 65 ds. (Talbot-ALB). ELBC 3255 f/d "Sound of Progress" cd. in 98 ds. (Schmitz).

QSL COLUMN REPORT FORMS ARE AVAILABLE FROM YOUR EDITOR FOR A SASE...Sam



LIBYA: Radio Jamahiriyah 11815 f/d cd. in 70 ds. for 2 IRCs via Malta. (Dye-AR). same in 21 ds. for 2 IRCs. (Muzyka-NY). 11816 f/d "Rainbow" cd. in 49 ds. (Fisher-ALB). 15450 ltr. in 103 ds. (Levison-PA).

Natürlich
SWF
Südwestfunk

LITHUANIAN SSR: Radio Vilnius 9685 f/d folder cd. in 99 ds. for 1 IRC. v/s J. Lukosevicius, Editor in Charge. (Green-TN). 15100 f/d folder cd. in 84 ds. (Brouillette).

LUXEMBOURG: Radio Luxembourg 15350 f/d cd. in 37 ds. w/ sticker for 1 IRC. (Green).

MALAGASY REPUBLIC: Radio Nederland 11740 f/d cd. w/ pennant in 60 ds. (VanHorn).

MALTA: IBRA Radio 9510 via Radio Mediterrean f/d "CN Tower" cd. w/ pennant and sticker in 27 ds. for 1 IRC (Mayer-PA).

MEXICO: XEQM 6105 p/d ltr. w/ postcard in 20 ds. for a SP (Mayer-PA). rpt. v/s Roberto Dominguez A., Cordinador General. (Wilkins-CO).

MONGOLIA: Radio Ulan Bator 4830 via Altai f/d cd. w/ personal ltr. in 36 ds. (Warner-AUST). 4895 via Murun f/d cd. w/ personal ltr. in 36 ds. (Warner-AUST).

MONTERRAT: Deutsche Welle 9545 f/d cd. in 22 ds. (Purdum-MI). 11705 n/d cd. in 23 ds. for 1 IRC. (Smith-OH). same in 1 mo. w/ no site indicated. (Hardester-NC). Seems that DW has reverted to their old policy.

MOZAMBIQUE: Radio Mozambique 9620 via Maputo f/d "Map" cd. in 35 ds. after a f/up rpt. in PT w/ ms. Report mailed to C.P. 594 instead of C.P. 2000. (Gavaras-MN).

NAMIBIA: Radio SWA 3270 f/d ltr. in 14 wks. for 1 IRC. v/s S.J. Losh, Superintendent of Damara>Nama Service. (Howard-CA). 3295 f/d cd. in 75 ds. for 2 IRCs. (VanHorn-TX).

NEW CALEDONIA: RFO Noumea 7170 n/d "Map" cd. in 47 ds. for a FR rpt. (Reinstain-FL).

NEWFOUNDLAND: CKZN 6160 f/d "Map" folder cd. in 19 ds. for 3 IRCs. v/s Dave Uttaro, Manager. (Davis-CO).

NEW ZEALAND: Radio New Zealand 17705 f/d cd. in 18 ds. for 4 IRCs. (Gurley-TX). f/d cd. in 18 ds. for 1 IRC. v/s Rudi Hill (Green-TN). 17710 f/d cd. w/ pennant in 20 ds. (Eckert-PA).

NICARAGUA: La Voz de Sandino 5950 f/d ltr. in 289 ds. w/ pennant * and sticker v/s Rodolfo Garcia g. (Fortney-PA). La Voz de Nicaragua 5950 f/d ltr. w/ pennant in 107 ds. (Fortney-PA). same in 136 ds. w/ pennant for 2 IRCs. (Schmitz-FRG).

NIGERIA: Plateau Broadcasting 5965 f/d ltr. in 69 ds. for 1 IRC. (Schmitz-FRG). Borno Radio Corporation 6100 form ltr. in 193 ds. for 1 IRC. v/s Jacob Ekaobong. (Schmitz-FRG). FRCN Ibadan 6050 f/d ltr. in 110 ds. for 1 IRC. v/s E.A. Kupoluyi. (Schmitz) Educational Service

4932 n/d ltr. in 75 ds. for 1 IRC. v/s

O.T. Egweni, Manager (Schmitz). FRCN Lagos f/d cd. in 21 mo. For 2 IRCs. (Plum-NJ) same in 1 yr. (Schmitz-FRG).

OMAN: Radio Oman 9735 f/d cd. in 114 ds. for ms. v/s Rashid Haroon, Head of Maintenance and Operations. (Swaringen-NC).

Con esta tarjeta verificamos su reporte de recepción sobre nuestra frecuencia de 4.820

Kilohertz, en la fecha 11-06-81 (de la recepción)

Hora 4 P.M.

Ambato, 18 de Diciembre/81



TARJETA OSI

RADIODIFUSORA «PAZ Y BIEN»

AMBATO - ECUADOR

via Chris Lobdell
La Antena se encuentra en Huachi Chico

Tipo de Antena Dipolo

Potencia efectiva 1 1/2 Kw.

TANZANIA: Radio Tanzania 5050 f/d "Map" cd. in 346 ds. for 2 IRCs. (Schmitz).

THAILAND: Radio Thailand 9650 p/d "Thai Mask" cd. in 59 ds. (Warner-AUST). Mark thanks for sending the newsletter. It is very interesting and useful... Sam.

TOGO: Radio Togo 5047 f/d cd. in 23 wks.

for an EG/FR rpt. and 2 IRCs. (Swaringen-NC). p/d cd. in 8½ mo. for a FR rpt. and ms. (Plum-NJ). same in 88 ds. for a FR rpt. and 2 IRCs. (Wilkins-GO). Radio Kara 3222 f/d cd. in 58 ds. for a FR rpt. and 2 IRCs. (Schmitz)

UKRAINIAN SSR: Radio Moscow 9750 via Lvov f/d "Economic Exhibition" cd. in 30 ds. (Gavaras-MN). Radio Kiev 9710 f/d "Eternal Glory" cd. in 40 ds. (Dillon-PA). 17870 f/d "Taras Shevchenko" cd. in 39 ds. (Dillon-PA). 9710 f/d cd. in 39 ds. w/ schedule. (Dillon-PA).

USA: Radio Earth 6185 via WRNO f/d cd. in 126 ds. (Gurley-TX). f/d cd. in 131 ds. for ms. v/s Jeff White. (Cones-VA). WRNO 6185 f/d "DX Club" cd. in 30 seconds (!) at Worlds Fair booth! (Wertheimer-MN). Voice of Free China 5985 via WYFR f/d "Four Gentlemen" cd. in 66 ds. for 1 IRC. (Wilkins-CO). same in 36 ds. w/ pennant. (Levison-PA). VOA 9505 via Dixon f/d cd. in 10 ds. (VanHorn-TX). 11740 via Delano f/d cd. in 20 ds. (VanHorn-TX). WWV 2500 f/d folder cd. in 16 ds. (Talbot-ALB).

USA (Pirate): Radio Glandestine 4895 f/d form ltr. in 4 mo. for ms. v/s R.P. Burns. (Plum-NJ). 7355 f/d ltr.

in 35 ds. for ms. (Gavaras-MN). Munchkin

Radio 7425 f/d cd. in 50 ds. for ms.

(Gavaras-MN). KQRP 7415 f/d cd. in

21 ds. for ms. (Rigas-IL). Voice of

Laryngitis 7415 f/d cd. in 3 wks. for

ms. v/s Cowboy Stan. (Rigas-IL). Radio

Free Insanity 7415 2 f/d cds. in 5 wks.

for ms. (Plum-NJ).

VANUATU: Radio Vanuatu 7270 f/d cd. in 280 ds

for 1 IRC. v/s Peter Salemallo. (Fortney-PA)

VATICAN: Radio Vatican 6015 f/d cd. in 32 ds.

for 1 IRC. (Mayer-PA). 11845 f/d cd. w/ stick-

er in 141 ds. (Eckert-PA).

VENEZUELA: Ecos del Torbes 4980 cd. in 29 ds.

for a SP rpt. (Levison-PA). Radio Lara 4800 f/d

cd. in 42 ds. for a SP rpt. and ms. (Wilkins-CO).

Radio Rumbos 4970 f/d "Guaica Indian" cd. in 50 ds.

for a SP rpt. and ms. v/s Andres Serrano. (Wilkins).

9660 f/d "Chiguire" cd. in 37 ds. for a SP rpt. and

1 IRC. (Schmitz-FRG). Radio Barquisimeto 4990 f/d cd.

in 40 ds. for a SP rpt. (Schmitz-FRG). Radio Maturin

5040 f/d cd. in 56 ds. for a SP rpt. v/s Carmelo Res-

plandor. (Schmitz-FRG).

VIETNAM: Voice of Vietnam 15010 f/d folder cd. in 64 ds.

UZBEK: Radio Tashkent 9600 f/d cd. in 54 ds. (Levison-PA)

v/s Nadira Babadjanova. (Fortney-PA). same in 90 ds. for

1 IRC. (Green-TN). 11785 f/d "Map" cd.

in 44 ds. (Fortney-PA).

YEMEN ARAB REPUBLIC: Radio Sana'a

4854 f/d ltr. w/ postcard in 70 ds.

for an EG rpt. and 2 IRCs. (Cones).

ZANZIBAR: Radio TV Zanzibar 3339

* prepared cd. in 21 ds. after 4

f/up rpts. (McDaniel-IN).



BSF

中華民國標準頻時廣播電臺

Frequency: 5MHz-15MHz

Date: May 2, 1984

No: 699

Dear Mr. Mark Warner :

This is to verify that your reception report on 15 MHz from 09:58 to 10:02 GMT on April 7, 1984 corresponded with our station log of the same day. Thank you for your interest. Further reports are welcome.



RADIO

RS
A

We'll keep this column short and sweet. See you in Toronto... Sam.



update

July 1984***Number 166

Tom Alleman
636 E. 74th Terr.
Kansas City, MO 64131 USA
(816) 523-7292 7-10 pm Central only!

UPCOMING DEADLINES: 10 July (Mid-July) 20 July (August) 10 August (Mid-Aug)

Reproduction permitted. Credit original reporter and NASWA UPDATE. Dates, times and days are GMT. Freqs kHz.

BOLIVIA Radio Santa Ana, 4803, in SP Q254-0308; several vocals and ID 0300. (Sam Barto, CT) +++Radioemisora 2 de Febrero, 5505, in SP Q150-0200. ID, slow romantic type instr mx, IDs 0154 and 0200. (Barto, CT)+++Radio San Jose, 5581, in SP 0400-0418; ID and all anncmts, no mx and 2 mentions of Chiquitos. (Barto, CT)

ECUADOR HCJB, 15060, noted 5 June 0114-30+ w/ "Back to the Bible" in EG // 15250 (annced, observed) and 9745 (annced). At 0130 switched to SP on 15250 and 15060. EG tape poor w/ several anncmts cut short in mid-sentence. (Mike Hardester, NC)

INDONESIA RRI Dili has returned to 3306. Noted first on 6-5 at 1050 w/ IN songs and ID by W. Poor signal but improved by 1130. Jakarta relay 1200. Noted on 3306 several times since. The RRI reported as tentative Dili on 3986 is not Dili. It is RRI Manokwari // 6188. +++ RRI Pontianak 3447 was heard here on 6-5 at 1130 for the first time in many months. M&W w/ local nx. It was // to the much stronger 3995. The 3447 freq is low power and not heard very often. +++ RRI Ujung Pandang has returned to 4719. Noted 6-9 1145 w/ W reading listeners' requests and Indonesian lagu. Usual powerful signal. 4753 was silent. +++RRI Bukittinggi heard again on 4911 at 1150 on 6-9, //to the stronger 3232 w/ IN songs and W anncer. The signal on 4911 was very weak and poor copy. (All of these from Bill Sparks, CA)

PERU R. Libertad de Trujillo, 4910, in SP 0354-0407; ID, short nx items on US, Latin America, instrumental mx. (Barto, CT)+++R. Acobamba, 5325, in SP 0220-35; ID, nice upbeat instrumental mx, 2 IDs and mentions of "Attention Huancavelica." (Barto, CT) +++ LV del Nor-oriente, 5340, in SP w/ interview type prgm 0157-0213, few male vocals, several IDs and mentions of Santa Cruz. (Barto, CT)

First in the feature spot is our periodic report from Hitoshi Miyashita in Japan, with more nx concerning clandestine b'casters:

--Monitored sked of VoMasses domestic service. All Freqs are //. 3130, +1800-2000+; 9635, 1600-2100+, sign-on not checked due to QRM; 9570, 1500-2100+ s/on not checked due to QRM; 11700, *1400-1700*, *1900-2200*; 11785, *1400-2100+; 11814.6 +1430-1700+; 15200, *1400-2200*; 15400, *1200-1700*, 0230-0500. Also noted on 7240.4 around 1645. This a difficult report since 1500-2100 GMT is midnight-6am Japanese time. In my monitoring, jamming can be heard all night on 11710, 9690, 9555, 9520, 9505, and 7240. This might also be Moscow. Am not able to hear listed 21585 or 17720 but this may be due to MUF problems. Since 5-13, have also noted this on NF 13700 with monitored sked of *1400-1900+.

--V of the Free Sons of Yemeni South is heard on 11179.9 *1300-1700* w/ poor to good signals in AR. Interestingly, it uses the same theme mx as the nx theme of "VoMasses" of BSRI for openings, closing and bridges. Am still trying to get complete ID text worked out.

--VoMujahedin Khalgh, 6650v, 3500v, 4200v. *1725-1900*. When I noted this on 3500v, I reported that to be a change from 4190, but this seems to be incorrect. Now using the three freqs here one of which is entirely new. Cannot tell which, though. 4200v had not fled from the inevitable jammer. It stays close to the center freq but moves from daya to day(for example 4220 on 5-5 but 4200 on 5-12). Its signal is much weaker than the other two channels.

--Vo Iranian Communist Party, 4501 *1730-1810*, IS begins around 1725. Seeming quite regular now with IS and style as reported previously. Poor to fair signals in Japan after Xinjiang PBS s/off. Am not presently able to hear listed 1315-1355 xmsn but this may be due to QRM. Frequency slightly variable. After 5-13, RBeijing moved RS here from *1800 making this even more difficult. (Possibly some indirect jamming? tba)

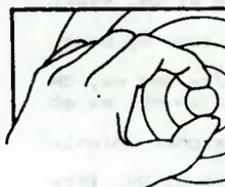
--LV CID, 6339.8, 1130-1200*, is usually noted in Japan on 5107. Other rare reports of the 11700 outlet via Clarin by T. Inoue and a tentative report on 7353. But these freqs have not been used when audible here so this is a delight. Do not have the sked yet but has been regular from 5-10.

More from Hitoshi in upcoming issues. Now on to our regular report from Juan Carlos Codina in Peru:

- 3906.3 PERU Radio Nueva Cajamarca, San Martin. The travelling signal of this stn now here as noted 2330, and is moving upwards. At the same time R. Huamachuco is on 3944.
- 4020.3 PERU Radio Ayacucho, Ayacucho. Very strong third harmonic here nearly as a short-wave operation, noted 2330. At the same time, at slightly lower levels, the third harmonic of R. Tropical, 4020.4, can be heard. Both should be audible in the US.
- 4765 About the Soviet relay here, I have a theory: I strongly suspect that this could be a high powered xmtr located in the Far East: Magadan, Kamchatka, Palana or Anadyr. The reasons are several: first, is mostly Orbita 1, as heard here in Lima, and, more important, this one only appears here in Lima at about 0700 when conditions for Far East propagation begin to improve, but has no propagation at all at other times, an impossible pattern if this one located in Cuba as speculated by NAM DXers. My monitoring shows this to be on 4764.7 or 4764.8 but never on an even freq. Have found a prgm for veterans of the Great Patriotic War Saturdays at 0715. Really very nice w/ mx from those fays, songs recalling the patriotism of the years, and stories from those days. This is an Orbita 1 prgm // 9905 USB and 18830 USB. Also 15490 USB. Don't know if this is weekly or monthly yet.
- 5014.9 ECUADOR Esc. Radiofonica Populares, seems to have a new xmtr because it now is heard here in Lima with s9+20 db signals, very well modulated, too. Noted in one period 0150-0205 w/ prgm dedicated to the Chilean Resistance to the "pro-imperialist Pinochet dictatorship." At 0205 went to commentary on Central American situation, and stated that culprit was you know who, as in Chile. Good style and content in prgm, very professional. Name is: "America Latina hacia su liberacion." Runs till 0210 but don't know the starting time.
- 5339.9 PERU La Voz del Nororiente of perhaps Radio Santa Cruz, reactivated, and what is incredible heard 0530 GMT!!! Who would be listening at this time in Cajamarca? As usual Cajamarca Huaynos. I suppose they are testing the transmitter. Noted till 0543* this night and till about 0400* following days.
- 5359.7 PERU R. Vision, Juanjui, reactivated after nearly two months off air. Noted 2345.
- 5450.5 BOLIVIA R. Machupo, San Ramon de la Ribera, heard regularly here in late afternoons and evenings occasionally getting to amazingly good levels as on 4-1 2345 when at s9. Evangelical mx.
- 5572.9 PERU R. Nanduti, Bambamarca, Cajamarca, heard around 2200, good level, though totally distorted as usual. Tropical mx. Later huaynos. Lots of commercials 2230 for Bambamarca stores. Close with a brief annmct after 10 minutes of ads. But what was surprising was annmct of ID as "La nueva radio San Francisco," so they have changed its name or previous ID is a mistake. Will keep checking.
- 5802.4 PERU Radio Acunta, Chota, Cajamarca, first heard 4-8 at 2350 first check. End of ID said they b'cast 1400-0100. Very good signal. Good modulation and bassy professional sounding annrc. Seeming this is true throughout the operation compared with several months ago. Cajamarca huaynos all around. Many different canned IDs, seems made in Lima, as is usual with some provincial stns who order their IDs from the same Lima annrcs. So, many times you can hear the same style or annrc giving annmcts for many different stns. Some heard here: "Acunta, la radio con corazon grande." Another: "Acunta, la radio total, la que te quiere mucho, con mas informacion y carino para sus oyentes." Another, "Acunta, Acunta, siempre mas que las mas." Another: "Acunta, es tuya, es quiere." Conflictinif with announced schedule, heard today, Sunday, till 0200. Another ID: "Acunta, la radio que sabe estar en la cumbre." "Acunta, la mejor, porque sabe llegar." Announcing: "La doble frecuencia, teamsmitiendo en los 1530 Khz, onda media, y los 5800 Khz, onda corta." One NOT canned ID: "Radio Acunta, del Peru, transmitiendo desde la zona andina, y con mucho carino para ti." Telling listeners to hear them in "La banda Numero 2 de su receptor," which assumes that all listeners have the same radios they have, possibly causing confusion among those who do not. Stable signal. For the annmcts, first day on air in this new stage of the stn. Seems to be 1400-0000 only weekdays and extended schedule weekends. Having some distortion trouble as time goes on and suffering from woodpecker QRM. Later noted back to 0440, perhaps testing? Moving slightly to 5802.5 and no IDs at all so surely testing. Later back to 0000. More follows. Hope this stays as it is now.

Thanks to all of you this time. More excitement to come as we approach the beginnings of the fall DX season. Enjoy!

Best 73, *TA*



LOG REPORT

section A

2000 to 4899 kHz

Editor: Mike Nikolich, 2137 West Farwell Ave., Chicago, IL 60645

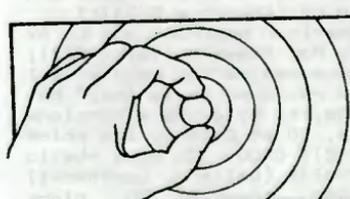
SLOW MONTH FOR LOGGINGS

You can always tell when it's summer. Just look at the number of loggings this month. I can't blame any of you. I haven't even turned on my trusty HQ-180 in the last month. Right now, I have two weeks off from work, so I hope to get some DXing done. You can judge how well I did next month. Hope to see some of you in Columbus at the end of July.

- *****
- 1610 ANGUILLA, Caribbean Beacon; 0215, EG, relg px, IDs at 0215, I know it's now SWBC, but I always see 1616 and 1620 kHz pirates listed...(Brandt 6/2)**A point well taken.
- 3200 LIBYA, Libyan Jamahiriyah Broadcasting; 0329, AR, chanting, tx and other songs 'til 0415 t/o (Daly 5/19)
- 3220 ECUADOR, HCJB; 0410, SP, regional svc w/tx, mx (Daly 5/19); 0320, OM into rapid SP tx before LA mx at 0325, ID at 0330, lively theme mx, then ponderous orch mx (Jordan 5/6); 0940, Quecha, inst. mx (Bobb 5/11)
- 3225 INDONESIA, RRI/Tanjung Pinang; 1350-1400, IN, very strong and clear (Kondo, Japan 5/21)
- 3230 SOUTH AFRICA, RSA; 0337, EG, African Svc., rock mx until 0417 t/o (Daly 5/19)
- 3250 HONDURAS, R. Luz y Vida; 0325, OM into rapid chatter w/def. ID at 0329, into merimbe-type mx w/inst. combo (Jordan 5/12)
- 3250 SOUTH AFRICA, R. Five; 0440, EG/AF, pop mx show but no positive ID, label log "tent" (Daly 5/19)
- 3255 VENEZUELA, R. 980; 025, SP, ID, fast Latin pops, ade, ID by OM (Trotto 5/25); 0050, lively LA mx (Dickson 5/12); 0140, OM DJ, annts and TCs (Dillon 5/25)
- 3255 LIBERIA, LBS; 0545, mx, ID by OM, commercials, more mx (Trotto 5/22); 2345, EG relg tx, ID at 0000, "This is LBS, Liberian Broadcasting System," (Dickson 5/9)
- 3260 ECUADOR, La Voz del Rio Carrizal; 0030, SP, ID and lite mx, some tx (Trotto 5/24)
- 3270 NAMIBIA, R. Southwest Africa; 0325, AF, lots of the usual EZL mx, //3295 (weaker) (D'Angelo 5/13)
- 3280 ECUADOR, LV del Napo; 1010, lang, OM tx, responsive reading, mx, QRN (Bobb 5/15)
- 3285 BELIZE, R. Belize; 0358, promo w/YL in SP, then inst. version of "Do You Know the Way to San Jose," 0400, tx by YL (Cunningham 5/29); 0150, rock mx, clear ID at 0200 (Dillon)
- 3295 NAMIBIA, R. Southwest Africa; 0330, EG, pop mx until 0359, ID, "You are listening to RSWA" (Daly 5/27); 2354, AF, OM DJ w/mx of EG and AF pop/folk mx, 0000 ID for all nite svc (Enkenhus 5/24); 0055, EG, GG, AF, mx w/IDs every half hour, ID as EG Svc at 0300 (Brandt 5/29); 0130, EG, non-stop mx, including waltzes (Dickson 5/31); 0250, cont EZL mx, quick EG ID by YL at 0300 (Alexander 5/20)
- 3300 BURUNDI, La Voix de la Revolution; 0325, FR and belived Kirundi, drum IS at 0259, returned at 0325 w/afro mx and singing, very brief tx by OM, long discussion by men in Kirundi til 0346, quick f/out at this point, but back at 0410, also noted some strange Afro inst. mx on 3330.8 or thereabouts (Valko 5/2)
- 3309.9 PERU, R. Bague; 1001, SP, clear ID using reverb mike, highly enthusiastic announcer (Bolland 5/18)
- 3316 ECUADOR, R. Pestaza; 0351, lcl mx, s/off w/NA at 0402 (Rigas 6/2)

- 3320 SOUTH AFRICA, SABC; 0430, AF, classical mx, tx by OM, weak, but 7/4880 much strong (Alexander 5/20)
- 3325 GUATEMALA, R. Maya; *1027, OM w/ID, march tune by band, other mx and relig tx (Bobb 5/19)
- 3335 PAPUA/NEW GUINEA, R. East Sepik; 1013, YL w/tx and mx, OM w/tx about PNG in Pidgin (Bobb 5/31); 1002, nx in PD, mx at 1014 (Bolland 5/17)
- 3345 INDONESIA, RRI/Ternate; 1017, YL w/tx, signal highly unreadable most of the time (Bolland 5/17)
- 3380 GUATEMALA, R. Chortis; 0115, SP, latin pope, ID by OM, into tx, QRM de R. Iris (Trotto 5/24)
- 3380 MALAWI, MBC; 0357, Chichewa; hi-life mx, tx by OM, into nx at 0401, then EG anmt by YL for some establishment in Blantyre, correct TC in EG by OM, pop and disco mx, QRM and het from Iri til 0404*, severe sloooooow CW QRM, first time noted this well in a long time... (Valko 5/31)
- 3381 ECUADOR, R. Iris; 0310, SP, lively LA pop mx, plus some U.S. soft rock (Jordan 5/12)
- 3385 NEW BRITAIN, R. East New Britain; 1000, PD, OM w/ID and TC (for 8 o'clock), Rebaul nx and tx about: Red Cross (Bobb 5/29); 1157, PD/EG, Island mx at t/in, into lcl nx at 1200, several other PNGs in this AM, but too weak to ID (Cunningham 5/2)
- 3395 ECUADOR, R. Zaracay; 0215, romantic mx, nice QSA contest, very loud and clear (Dickson 5/11); 0330, fast-paced pop/rock px, including Michael Jackson's "Beat It," and the "Flashdance" title song (Jordan 5/6)
- 3810 ECUADOR, HD210A; SP, broadcasting from "Instituto Oceanografico de la Armada," Guayaquil, weak at 0510 (Westphal 4/28)
- 3930 TRANSKEI, Capital Radio; 0453, EG, pop mx, nx, also hrd very faintly under Moscow on 7150 (Brandt 6/4); 0455, EG, pop mx, ads, ID at 0459 (Alexander 5/28)
- 3955 UNITED KINGDOM, BBC, 0345, GR, s/on w/GR svc til 0430 (Daly 5/27)
- 3965 AFGHANISTAN, R. Afghanistan; 1426, Pashto or Dari lang px (Kondo, Japan 6/1)
- 4300 PERU, R. Moderna; 0348, SP, nice LA mx (no DA style to it), bank ad, TCs, jingles, mention of Peru, 0449* (Valko 5/12)
- 4410 CLANDESTINE, V. of Broed Maeses of Eritrea; 1550, Tigrey interview, unjammed, no // noted (Wood 5/8)
- 4697 BOLIVIA, R. Riberalta; 0242, mx px (Field 5/12); 0135, SP mx w/occasional QRM de SSB voice circuit (Bolland 5/17)
- 4718 BOLIVIA, R. Abaroa; 0125, SP, non-stop ballads until 0145, then ID and TC (Moore 5/29)
- 4753 CELEBES, RRI/Ujung Pandang; 1010, IN, YL w/ varied mx px, vocal chants, tent. (Bobb 5/25); 1255, IN, pop vocale, Island px, info by OM, financial and economic news (Sherpe)
- 4755 BRAZIL, R. Dif. de Maranhao; 0405, PT, wide variety of mx selections w/Brazilian pop, also folk mx, signal noticeably improved by 0430 (Jordan 6/1)
- 4765 CUBA, R. Moscow; 0005, RS, tx by OM/YL, mention of the Washington Post (Dillon 5/25)
- 4770 NIGERIA, R. Nigeria/Kaduna; 2234, EG, anmts, mx and ID, 2255, nx folowed by NA at 2300, 2301* (Bolland 5/16); 0433, EG, s/on w/Islamic and Christian prayers, nx (Brandt 5/20)
- 4770 VENEZUELA, R. Mundial Bolivar; 0015, SP, LA mx, ballads, several IDs (Dickson 5/25); 2350, LA mx, ID (Dillon 5/7); mx and a "Happy Birthday" greeting at 0022 (Daly 5/15)
- 4780t DJIBOUTI, R. Djibouti; 0300, Somali, brief NA into partial ID, noise covered most of signal, px consisted mainly of AR-style mx (Daly 5/27)
- 4783 MALI, R. Mali; *0600, FR, ID by OM, some tx, ID, good signal tonight (Trotto 6/5)
- 4792t ECUADOR, Sistema de Emisora Atalaya; 0030, SP, several mentions of Quito and Ecuador, tx by OM, TCs, LA mx (Dillon 5/25); soccer match (Laskowski 5/21); 0410, SP, really nice vocal w/lively flute passages (Jordan 5/6)
- 4795 CAMEROON, R. Douala; 2220, FR, lcl mx, tent. ID at 2257, s/off at 2302 (Daly 5/16); 2255, hi-life mx and tx, possible nx at 2258-2302, then poss. NA (Bolland 5/30); 2240, FR/EG,

- nx in EG, 2300, nx in FR (Brandt 5/29); 2152, DJ w/jazz and
 inst. mx, 2258, ID into lcl S world nx (Enkenhues 5/24)+1
- 4803.6 BOLIVIA, R. Santa Ana; 0157, SP, American pop/rock and LA mx
 px from 0201 to 0241 w/one song by Rod Stewart (Valko 5/1);
 0028, good signal w/many "atencion mensajes" to people all
 over Santa Cruz, mention of "por la radio en Santa Ana," but
 no formal ID (Reinstein 5/12); 0038, tx by 2 OM s w/mentions
 of couple of radios etna in Bolivia, ID at 0129 by low voice
 OM as "Santa Ana Radio," (Valko 5/12); 0000, ID, some rustic
 sounding mx (Alexander 5/11); 0012-0215 (Bolland, Leskowski)
- 4810 ARMENIAN S.S.R., R. Yerevan; 1900, Armenian ID, clock
 chimes, choral Armenian SSR NA, 1904* (Wood 5/8)
- 4810 GABON, African No. 1; 2259, FR, native drums, flute mx, YL
 w/ID and s/off smt at 2301 (Daly 5/18); .1757, FR, ID,
 "...Africa numero un." (Kondo, Japan 5/26)
- 4810 GALAPAGOS, LA Voz de Galapagos; 0120, SP, OM w/lengthy
 discourse, 0215, Full ID as "LV de Galapagos," and
 Ecuadorian NA, 0220* (Bolland 5/12)
- 4815 BRAZIL, R. Nac. Tebatinga; 0212, PT, Brazilian pope and
 ballads, OM ID as "R. Nacional" (D'Angelo 5/18)
- 4815 COLOMBIA, R. Guatepuri; 1005, SP, OM, ads, TC and full IDs,
 missing w/Brazilian on same freq. (Bolland 5/30); 0305, SP,
 fair signal w/LA mx, promos, ID (Alexander 5/20)
- 4820 ECUADOR, R. Paz y Bien; 1004, SP, s/on w/inet. NA, px by OM
 "Musica de Romantica" (Valko 5/15)
- 4820 HONDURAS, HRVC; 0200, SP, relig mx, classical mx, tx by OM
 (Dillon 5/19)
- 4825 COSTA RICA, R. Columbia; 0211, nx report via telephone, ID at
 0215 (Dillon 5/19); 0125, SP, pop mx (Daly 5/14); 0545, noted
 on 4824 tonite, poss. comedy skit (Westphal 4/28)
- 4829 UNID, hrd during eclipse at 1611 w/strong carrier, gone at
 1630 recheck (Hardester 5/30)
- 4830 VENEZUELA, R. Techira; 0020, SP, LA guitar and vocal mx,
 quite nice to listen to (Dickson 5/10); 0816, OM w/IDs at
 0816 and 0845 (Bobb 5/21)
- 4832 COSTA RICA, R. Relej; 0217, tx by OM, poss. nx, panel
 discussion about Central America (Dillon 5/19); 0043, SP, ID
 (Daly, Bobb)
- 4835 GUATEMALA, R. Tezulutlan; 1035, xint signal w/campesino mx,
 a few marimba tunes, canned ID amid marimba mx "Desde la
 verde Verapaz en la Republica de Guatemala, entrada del
 corazon de America, transmite Radio Tezulutlan, TGTZ, 4835
 MHz, banda internacional de 60 metros (Reinstein 5/26)
- 4840 VENEZUELA, R. Valera; 0210, mx px, very similiar sound to
 Ecuadorian mx (Field 5/31)
- 4845 BRAZIL, R. Nac. de Manaus; 0955, PT, lively mx, OM w/ID at
 tx, fair but fading (Bobb 5/9); 0100, soccer match, singing
 ID (Dillon 5/25) 0149, mx px and ID (Field 6/5); 0100, PT,
 mx, several IDs at 0115 (Dickson 5/19)+3
- 4845 COLOMBIA, R. Bucaramanga; 0300, TC and ID (Field 5/31)
- 4845 MAURITANIA, RM; 2350, OM w/slow AR chants, s/off at 0000, no
 positive ID, so log ie tent (Daly 5/16)**Undoubtedly them.
- 4860 PERU, R. Chinchaycocha; 0951, good clear sig at t/in w/and
 of Peruvian NA, canned OM ID as "Amigos oyentes...R.
 Chinchaycocha, una voz Peruana y una de America." Terrific
 flute solos and huaynos (Reinstein 5/24)
- 4865 COLOMBIA, LV del Cincarcu; 0110, SP, LA mx w/OM DJ,
 CARACOL ID, TC (Dillon 5/25)
- 4870 BENIN, ORTB; 2245, FR, Afro mx, time pipe at 2300 and ID,
 "Ici la Voix de la Revolution Beninoise," s/off after NA at
 2302, good signal (Daly 5/17)
- 4870 ECUADOR, R. Rio Amazonas; 0200, musical px, ID at 0212
 (Field 5/31)
- 4885 COLOMBIA, Ondas del Meta; 0955, xint signal w/cumbias and
 "la mejor musica Super en Ondas del Meta" ID (Reinstein 5/12)
- 4890 PAPUA/NEW GUINEA, NBC/Pt. Moresby; 1040, EG, OM w/rock mx,
 TCs and ID (Bobb 5/12); 1115, EG, ID at 1129, several
 popular mx selections (J.S. Gray 5/11)
- 4890 SENEGAL, RS; 2338, FR, ID followed by Afro tribal mx (Daly
 5/16); 2320, lcl string mx w/male vocal, clear ID by OM at
 2328 (Dillon 5/16); 2231 (Bolland 5/17)**CUN30. min.



LOG REPORT

section B

4900 to 6199 kHz

Editor: Jerry Berg, 38 Eastern Avenue, Lexington, MA 02173

Some good catches in May/June; and a new Peruvian, R. Central, on 4916 . . .

- 4904.5 CHAD N'djamena hrd with test signal 0454 on 5-17, then native drum IS at 0456, NA 0458, children singing, FR ID 0500, fqy, time listings, then native songs; fading by 0517 (Daly); *0455 on 5-20, good signal with tone at s/on, Balafon IS 0456-0458, NA, chorus, opening armts 0501, then African pop mx (Alexander-PA); good 5-29 from 0458 with kids chorus, opening 0500, talking, excellent local mx, brief extended talk 0515-0522; fading increasing by 0530 (Hardester-NC).
- 4905 BRAZIL R. Araguaia, PT pops, ads 0135 on 5-30, complete ID at 0138, fair signal (Moore-HOND); PT talking 0235 5-20, ID 0240, Brazilian ballads (Alexander-PA).
- 4905 USA Pirate KQRP, tuned in 0317 5-29, just in time for closing armts by man, claiming to be //7413; "Doctor X," "See you later" 0319, off; good-excellent level, but wish these guys would stay out of the broadcast bands (Cunningham).
- 4910 ZAMBIA Lusaka, IS *0349 5-13, ID, choral NA, EG s/on armts 0354, then vernacular; into African vocals, one EG pop tune; poor signal (D'Angelo-PA).
- 4911 PERU R. Libertad de Trujillo, good 1007-1035 5-11, huaynos, ID, "Buenos Dias Peru" prgm; "bienvenidos . . . desde R. Libertad de Trujillo . . . depto. de LA Libertad" (Reinstein-FL).
- 4915 GHANA Accra, EG nx 0603 5-30, vernac. 0615, fair (Muzyka).
- 4915 KENYA Nairobi, *0259 5-2, popped on with IS while listening to another unid. with bird IS. ID by man, NA, believe nx by gal, into hiliife mx; fantastic signal, but weak audio on mx; not hrd this strong for quite some time (Valko).
- 4916 PERU R. Central, 0028-0118 5-16, muddy sig, mix of ballads, merengues, hard rock; muffled ID 0100, more rock, no other armts hrd; tnx to tip from Don Jensen (Reinstein); 0315-0446* 5-18, varied LA mx, little talking, ID 0442, mention of fqy, bad slop from 0400-4920 (Valko).
- 4920 AUSTRALIA ABC-Brisbane, 0820-0850 5-19, sports, ID, TC, light rock, man DJ (Dillon-PA).
- 4920 ECUADOR R. Quito, clear ID with harp, 2355 5-16, fair (Dillon-PA); talk 0115 5-7, reverb mike, LA mx, ID 0122, noisy (Daly); lively mx 0215 5-12, ads, nx 0230, really booming in (Dickson); LA mx 0225 5-13, ID, fqy armt, ads, more mx (D'Angelo-PA).
- 4930 HAITI 4VEH, FR mx, talk, 2348 5-5 (Levison); FR sermon 0010 5-6, gospel singer, good (Enkenhus-MD); mx 0935, pips, ID 1000 5-15 (Bobb-MN); unid., 1546 5-30(eclipse)(Hardester-NC).
- 4932 NIGERIA Educ.Svc, EG 2221-2230 5-17, poor, hvy Haiti QRM (Bolland-FL).
- 4935 BRAZIL Presumed R. Capixaba, 0945-1000 5-29, talk, mx, not much stronger than noise (Bolland-FL).
- 4935 PERU R. Tropical, nondescript LA vocals 0321 5-12, brief talk, clear ID (Bolland-FL). 0328, more mx; terrible level (Cunningham); flutes, little talk, 0955 5-12 (Bolland-FL).
- 4945 COLOMBIA Caracol Neiva, IDs 0405 5-19, man DJ, rock mx, TCs (Dillon-PA).
- 4950 CLANDESTINE Voz de Verdade, 0330-0355* 5-31, ID, many mentions of Angola, non-stop pop and disco to 0355, carrier on well past 0400 with no audio; very clear and strong sig (Valko); 0317-0335 6-1, PT and EG, varied mx, pol.talk, drum rolls, nx (Jordan).
- 4950 PERU R. Madre de Dios, strongest ever 0016-0101 5-24, ID, 0031, natl nx briefs 0101 (Reinstein); ID 0130 5-24, mx, fair (Laskowski-IN); to 0202* 5-18, weak (Cunningham).
- 4950 SARAWAK Kuching, 1330-1345 6-5, EG nx, cntry, ID, into organ mx (Sharpe).
- 4965 BRAZIL R. Alvorada, 0133-0203* 5-16, clas.mx, mixing with R. Poti, ID 0200, abruptly off, tough catch; full ID and talk from R. Poti, about equal to Alvorada until 0203, then in the clear with instrumental mx, "Godfather" theme (Valko).
- 4970 VENEZUELA R. Rumbos, fair with SP nx 10000-1005 on 5-30 (McKellar).
- 4972 CAMEROUN Yaounde, basically solid copy 2233 5-15, man talking, mx (Bolland-FL).
- 4980 VENEZUELA Ecos del Torbes, pops, TC, nx 0350 5-19, NA, 0402* (Dillon-PA); olympics commentary 0115 6-1 (Green); loud IDs, 0158 5-7 (Daly); mx 0036 5-6, IDs (Enkenhus-MD).
- 4990 ECUADOR R. Baha'i, lucky to catch ID 0400 5-8 under RSA, no chance for Ancaah with all the QRM here (Valko); good, couple IDs 0453 5-13, NA 0456, 0459*, best ever (Cunningham).
- 4990 IRAN Tehran, RS 1545 5-8, AR 1615, Turkish 1830; songs 0330; dominates fvy (Wood-S.AR).
- 4990 VENEZUELA R. Barquisimeto, LA pop mx 0330 5-19, man DJ, ID by gal 0338 (Dillon-PA).
- 5010 CAMEROUN R. Garoua, 2220-2237 5-15, just fading in, mx, nx 2230, poor (Bolland).
- 5015 BRAZIL R. Cultura, armts 0648 5-25, mx, tentative ID, fading 0900 (Bolland-FL).
- 5020 ALBANIA Gjirokaster, *0300 5-12, 5057 unhrd (Cunningham); folk mx 0335 5-5 (Daly).
- 5020 SOLOMON IS. Honiara, nx, ads, 0730 5-31 (McKellar); full ID 0959 5-19, nx 1000 (Dillon-PA); pops, full ID 0950 5-17, poor (Bolland-FL); late show 1115 5-10, rock (Bobb-MN).
- 5025 BRAZIL R. Borborema, several IDs, promos, talk, jingles, 2345-0010 5-9 (Alexander-PA).
- 5025 BRAZIL R. Quillabamba, strong 0055-0117 5-13, hotel ad, flute, yipping (Reinstein-FL).

- 5026 UGANDA Kampala, nx 0335 5-26, auto sounds, EG nx 0402, ID 0420 (Dillon-NC); nx 0400, ID 0410 6-3 (D'Angelo-PA); nx 0406, ID 0408, mx 0415, fading then on 5-20 (Enkenhus-MD).
- 5030 VENEZUELA R. Contingente hrd 0256, 0400 (Daly), 0420 (Enkenhus-MD), 0455-0500*(Trotto-FL), 0750 (Alexander-PA), 0903 (Bolland-FL).
- 5035 CENT.AFR.REP. Bangui, fading in 2212 5-22, talk, mx later but stayed poor (Bolland-FL).
- 5040 COLOMBIA R. Cinco, maybe IS, *1009 5-15 with ID, mx, fair (Bolland-FL); exc 1012 on 5-12, ID "su emisora llanera de Colombia", NA 1013, TCs (Reinstein-FL).
- 5040 VENEZUELA R. Maturin, mx, frequent IDs to 0400* 5-5 (Daly); nx, chimes, 1002 5-15, good to 1009 when R. Cinco took over (Bolland-FL).
- 5045 BRAZIL R.Cult.do Para, talks 0758 5-28, two IDs, mushy on AM, better LSB(Hardester-NC).
- 5047 TOGO Lome, chimes IS 0525 5-18, NA, ID 0530, talk, local mx to 0550 tune-out (Daly).
- 5050 TANZANIA Dar es Salaam, looking for OA but found this one, fair in utes, 0313 5-19, nx, ID in EG, brief drums, into hilife; nightly at *0300, surprisingly (Valko).
- 5055 FRENCH GUIANA Cayenne, relig.talk 0102 5-7, hvy RTTY, mixes with C.R.; poor(Bolland-FL).
- 5055 SWAZILAND TWR, *0356 5-6, IS, EG IDs, GM 0400, exc for a change, TFPC QRM till 0358 (Cunningham); vy poor 5-29, EG 0430 (Mosman); GM 0423, EG 0430 6-3, sig deteriorating (Jordan); poor in EG relig.prgm 0440 5-20, ID 0445 (Alexander-PA).
- 5057 ALBANIA Gjirokaster, carrier 0259 5-18, NA, ID, nx, good-exc, //5020 (Cunningham).
- 5060 PAKISTAN Rawalpindi, good with EG nx by gal, 1700 5-8 (Wood-S.AR).
- 5066 ZAIRE R. Candip, *0328 5-31, drum IS, clear FR ID 0331, into hilife, TCs, mentions of Africa, Zaire; unbelievably beautiful sig this night (Valko).
- 5321 ANGOLA Tent. R. Nacional, Luanda, 2355 5-17, EG pops, TCs, nx, back to pops, all PT; Euro DXers say Luanda drifting all over this area (Reinstein-FL); "R. Madrugada" prgm 0038 5-18, Afro pops, mentions of Angola, fair; listened to 0243 (Valko).
- 5325 PERU R. Acobamba, beautiful huaynos 0330 5-12, ID 0330, weak, I thnk 0400* (Valko).
- 5360 PERU R. Vision, mx 0215 5-20 (Green); talk, pops, 0302 5-12 (Bobb-MN).
- 5451 W. IRIAN RRI-Biak, talk by man, kids chorus, C&W mx, poor-fair 1035 5-25 (Bobb-MN).
- 5505 BOLIVIA R. 2 de Feb, poor 0044-0110 5-29, ballade, ID 0050, TCs, lost sig (Moore-HOND); unid., maybe this, 0120 5-19, talk, LA mx, couldn't get details, seeming 0230* (Valko).
- 5580 CLANDESTINE R. 15 de Sept, man talking 0300 5-29, ID, march mx, good sig (Trotto-FL).
- 5581 BOLIVIA R. San Jose de Chiquitos, positive ID 5-11; 0006-0040, talk, trop mx, quick "R. San Jose" ID 0033, very pleased but still not enough for a report (Reinstein-FL).
- 5900 CHINA PLA-1, CH talk by man at 1115 5-12, local CH mx (Prath-FL).
- 5930 CZECHOSLAVAKIA Prague, ID 0110 5-22, "Nxrrel" (Gray-MI); 0120-0157 5-22, EG, "The World Federation of Trade Unions calling," talk on the olympics (Dillon-PA).
- 5945 AUSTRIA Vienna, various EG prgms, 0130 (Blanchette-FL), 0149-0200 (Bobb-MN), 0330 (Green), 0330-0355* (Bonnet-IN).
- 5950 GUYANA GBC, "Early Bird Show" 0808 5-28, nx, mx, rel.talk, fair (Enkenhus-MD); TC at 0848 5-29, greetings to lstnrs, Hindi mx, Centauros splatter at 0855 (D'Angelo-PA).
- 5954 COSTA RICA R. Casino, EG, pops, IDs, TCs to 0602* 5-28 (Alexander-PA); 0601* 5-29, EG (Mosman); SP unid. 5-30 (eclipse) 1552, man talking, good sig (Hardester-NC).
- 5955 COLOMBIA LV de los Centauros, good with LA vocal mx 0810 5-27, Caracol IDs (Alexander-PA); IS *0855 5-29, ID, NA, nx, banco ad, mx (D'Angelo-PA); 0907, IDs, TCs(Enkenhus-MD).
- 5960 CANADA RCI, FR talking 0040 5-11, ID, into EG 0100, good sig (Dillon-PA); EG also at 0210 5-16, good-exc (Gray-MI).
- 5965 MALAYSIA Kuala Lumpur, Malay talk ending 1404 6-5, university info, filler mx, old traditional Malay songs, soft drink ad 1430 (Sharpe-CA).
- 5975 COLOMBIA R. Macarena, man with IDs 0930 5-9, TCs, instrumentals, vocals, fair(Bobb-MN).
- 5975 ENGLAND BBC, good in EG 0049 5-8, talk about 3d world development (Gray-MI).
- 5980 SIERRA LEONE Freetown, EG nx at 2213 5-28, "This is Freetown" ID, native mx, then speeches by political figures; pops at 2252, faded badly to 0000* with military mx; QRM from BBC-5975 and WYFR-5985 (Daly); hilife mx at 0630 on 5-29, clas.mx (no nx) at 0700; no ID hrd so make it tentative (Mosman).
- 5980 SOUTH AFRICA R. RSA, IS 0154 5-20, EG ID, NA, TC, fqy, African nx and mail call, strong signal but QRMed (Bobb-MN); African nx 0200 on 5-28, ID, sked, "Under the Southern Cross," TC, fair sig, //9615 good (Dillon-NC); on to NA 0200 5-16 after IS (Daly).
- 5985 USA WYFR-Okeechobee with VoFC program, "Tops in CH Pops" 0125 5-31, ID, CH language lessons, CH ID 0159 (Dillon-NC); talk on paper cutting in ancient China 0125 5-29, good sig (Blanchette-FL); EG 0142 on 5-9, CH mx, commentary (Levison); 0512 on 5-31, EG nx summary, talk on Reagan's China trip, good sig (Gray-MI).
- 5995 AUSTRALIA RA, 5-26 at 1200, interview with author of kids books, fair sig (Gray-MI).
- 6005 CANADA CFCX-Montreal, EG at 1230 on 5-10, pop mx (Weinhold).
- 6005 SOUTH YEMEN Aden, 0235 5-7, AR chanting hrd after BBC s/off at 0230 (Daly).
- 6006 UNID. SP stn 5-30 (eclipse) at 1533, talking, 6005 het, good sig (Hardester-NC).
- 6009 LIBYA Clandestine R. Bardai, FR speech in Chad-accented FR at 1830 on 5-3, attacking imperialists; FR ID 1900, into Sara, fair sig (Wood-S.AR).
- 6010 PERU R. America, good sig 0704 5-20 with LA pops, quick IDs 0707, 0713, not usually hrd this early (Alexander-PA).
- 6015 VATICAN Vatican Radio, 0051 5-8, fair with details of Pope's Korean visit, EG (Gray-MI); Pope's Sunday blessing, 0054 5-28, fair with VOA QRM, //9605 also fair (Dillon-NC); EL religious prgm 5-24, 0107-0112 (Hawk); SP at 1245, 5-10 (Weinhold), 1245?--JB.
- 6017, actually rptd variously as 6015-6018 NICARAGUA La Voz de Nicaragua, 2250 on 5-26, IS, EG and SP ID about every minute until 2300 s/on, "Aqui Nicaragua, buenos noches"(Prath-FL);

EG nx 0110 on 6-5, poor, squeezed between R. Vatican and BBC (Field-MI); EG at 0145, nx, air space violations, good with narrow filtering, into SP at 0200, 5-11 (Dickson); SP nx, commentary, mx, 0215-0247 5-20 (Hawk); EG 0402 6-1, nx, ID 0407, talk on CIA, counterevolutionaries, fair sig (Gray-MI); local and world nx in EG at 0405, SP mx, ID, talk on cattle breeding, "Philatelic Bulletin," 5-20 (Alexander-PA); SP ID 1134 on 5-18, man talking, mx, more IDs, fair sig, all SP at this hour (Bobb-MN).

6020 BRAZIL Tent. R. Univerao, 0115 6-5 with PT talking under BBC (Field-MI).

6020 SOUTH AFRICA R. RSA, 0159 on 5-24, s/on, "Africa Today," BBC on same freq (Hawk); 0200-0250 5-13, poor with co-channel QRM, ex-11730; //9615, 5980 (Alexander-PA).

6025 BOLIVIA R. Illimani, flutes and LA mx 0916 5-21, talks, fair, //4945 (Bobb-MN).

6025 HUNGARY Budapest, 0100 5-24, IS, ID, world nx, EG (Dillon-PA); 0216 5-24, EG (Hawk).

6030 USA AFRTS, carrying baseball at 0230 on 5-24 (Hawk).

6035 BRAZIL R. Globo, 2320-2400, M&W talking, .singing ID, nx 2330, pops, 5-18 (Dillon-PA).

6040 GFR DW, "Microphone on Europe" 0110 5-17, press rw; good, //9545 fair (Dillon-PA).

6050 NIGERIA Ibadan, nx headlines 2300 5-18, RN ID, 2308*, all EG (Dillon-PA).

6060 AUSTRALIA RA, "Australia Tonight" at 1245 on 5-10 (Weinhold).

6060 PORTUGAL Lisbon, PT mc, EG nx at 0258 5-20 (Levison); 0300 5-27, NA, ID, PT nx, sked, good sig (Dillon-NC); to 0331* 5-29 (Bonnet-IN); ditto 5-23, strong sig but poor audio (Bobb-MN); 0325 5-12, talk on stamps, nx, all EG, fair overall (Gray-MI).

6065 COLOMBIA R. Super de Bogota, poor with LA mx at 0625 on 5-17 (McKellar); LA mx, live and taped IDs, more local mx, 0759 on 5-11, 6070 QRM, fair (Park-HI); ID 0850, LA mx, fair in QRM on 5-26 (Bobb-MN).

6070 CANADA CFRX-Toronto, nx and sports at 1245 5-10 (Weinhold); unusually strong on 5-30 at 1555 with talks on Toronto, good sig (Hardester-NC).

6075 UZBEK SSR R. Tashkent, *1600 Farsi ID, nx, into Uzbek 1700; good, //7140 (Wood-S.AR).

6080 AUSTRALIA RA, hrd 1250 on 5-10 (Weinhold).

6085 GFR DW, EG at 0100 on 5-19 (Weinhold).

6090 LUXEMBOURG R. Luxembourg, 2316 on 5-18, ads, listener contest, rock mx, fair (D'Angelo-PA); EG rock show at 0015 on 5-14 (Daly).

6095 POLAND Warsaw, EG 0200 5-27, IS, ID, sked, nx by gal, poor sig (Dillon-NC).

6095 SOMALIA Mogadishu, Swahili ID *1600 5-8, nx, AR 1700, variable modulation (Wood-S.AR).

6100 IRAQ Baghdad, IS *1555 6-8, Kurdish ID 1600, nx, fair signal (Wood-S.AR).

6105 UNID. SP stn hrd 5-30 at 1615 with man anncr, WS pop mx, fair sig (Hardester-NC).

6110 ENGLAND BBC, 2259 5-8, IS, ID, PT nx for Brazil, fair but noisy; to 2314* (Bobb-MN).

6110 MALTA R. Mediterranean, EG ID 2255 6-3, mx, talk, Maltese mx, poor with BBC QRM (Trotto-FL); trumpet IS 2228 5-16, full ID 2230, much QRM on freq; trumpet IS, NA to 2330* (Daly); 2317-2328*, rock mx, nx (D'Angelo-PA).

6110 PHILIPPINES VOA, EG nx 1235 5-30, cmtry, ID, very rough signal (Gray-MI).

6115 PERU R. Union, 0910-0932, talk by M&W, OA mx, ID 0931, 5-27 (Alexander-PA).

6118 COLOMBIA La Voz del Llano, 0629-0645, man with IDs, TCS, mx, fair-good 5-26 (Bobb-MN); 7056-1109, banco ad, IDs, TCS, "Buenos Dias, Colombia," coke ad, LA mx, fair on 5-26 (D'Angelo-PA); on 5-20, ex signal at peaks on all daylight path at 2007-2049, futbol, NA at 2045. Same game on 6160, but not // because different networks (Reinstein-FL).

6120 CANADA RCI, 0204 on 5-24, good with olympic boycott details (Gray-MI).

6120 UNID. PT stn 5-30 (eclipse) at 1559 (poor), 1606 (fair), 1620 (poor), talk, mx (Hardester-NC).

6130 USA VOA-Greenville, EG world nx at 0100 5-21, ID, "New Horizons" (Dillon-PA). ter-NC).

6135 SWITZERLAND SRI, EG nx by man, 0145 on 5-29 (Dickson).

6140 FRANCE RFI, rock mx, SP nx 0127 on 5-21, ID; into FR at 0130, nx, all to LA (Dillon-PA).

6145 GFR DW, 0100 5-11, world nx, "Microphone on Europe," press review, fair sig (Dillon-PA); 0100-0130 on 5-19, cmtry (Weinhold).

6150 COLOMBIA LV del Huila, good signal at 0640 on 5-28 with armts, LA mx, ID (Alexander-PA); 0939 5-16, blasting in with a huge signal; canned IDs as "LV del Huila, en todos los radios, en todos los barrios," no sign of Impacto (Reinstein-FL).

6150 COSTA RICA R. Impacto, 0052 on 5-14, US pop and rock mx, good sig (Mosman); many vocals at 1200 on 5-28 (Weinhold); hrd with ID during 5-30 eclipse at 1600 during talk by a man, good strength, fair overall, some RTTY QRM (Hardester-NC).

6160 CANADA CKZN-St. Johns, hrd 1215 5-28 (Weinhold); 1650-1706 5-30, regional prgm, CBC nx, RSVP, fair sig, unusual eclipse rcpr, not hrd at 1900 (Brandt-NJ).

6160 CANADA CKZU-Vancouver, sports, varied mx prgm, ID, NA, 0708-0806* 5-23 (Bobb-MN); hopefully then 5-30 1655-1734, nx, pips, poor overall (Hardester-NC).

6160 COLOMBIA Em. Nueva Granada, good 2014-2045 5-20 with many promos for "RCN 84;" intl futbol, HJ NA at 2045 (Reinstein-FL).

6165 MEXICO LV de la America Latina, NA *1056 5-30, ID, nx, animal sounds, fair (Bobb-MN).

6165 NEPH. ANTILLES RN-Bonaire, "Happy Stn" prgm 0134 5-21, good (Dillon-PA); 0227-0305 5-11, EG ID, nx, current affairs, "Media Network," good (Bobb-MN); 5-9, MN, nx, cmtry 0230, good (Gray-MI); 0246-0324 5-24, "Newline," MN, prgm info (Hawk).

6175 ANTIGUA BBC WS, 2300 5-11, ID, nx, cmtry, good (Dillon-PA); 0000 5-16, R.Nxreel (Bobb-MN).

6175 COSTA RICA Tent. TIFC 1603 5-30 (eclipse), SP talk, ment.5055 (Hardester-NC).

6180 VENEZUELA R. Turismo, 0915-0945 5-7, LA mx, man DJ, canned IDs as "numero uno" (Dillon-PA).

6190 LESOTHO BBC relay, *0400 EG, WS nx; Lesotho pr sked, propag. (Wood-S.AR).

6195 ANTIGUA BBC, 1135 6-3 with "World Phone-in," 6190 QRM (Park-HI).

6195 ENGLAND BBC in Bulgarian *0330 6-6, IS, ID, good, some CBC QRM (Trotto-FL).

6200 NICARAGUA R. Sandino, 0650 6-2, pops, //750 under WSB-Atlanta (Alexander-PA). 73-



LOG REPORT

section C

6200 to 11699 kHz

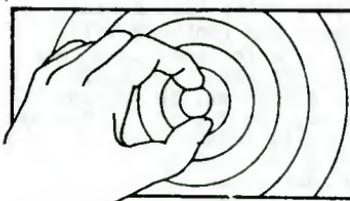
Editor: David L. Walcutt, 211 West 56th, Apt. 36-F, New York, NY 10019

- 6200 NICARAGUA R. Sandino; 0535 SP, LA mx; f (McKellar 5/15); 0950-1015 SP, relaxed talks & vocals; big echo ID 1002 (Jordan 5/10).
- 6205 CLAND LV de Sandino; 0409-0417 SP, loud aggressive talks by M&W, ment. FMLN, ID's w/sound effects; jammed (Valko 5/11); 0010 SP, two & occasionally three M in extensive discussions (Jordan 5/10).
- 6209.8 PIR. "KQRP"; 0245-0302* pop mx, C&W mx; //7413.1 (Alexander 5/28).
- 6210 MONACO TWR-Monte Carlo; *0340-0405 GM, rel pgm following mx box IS, ID & fgy anmts (Jordan 5/12, McLemore 5/28, D'Angelo 5/19).
- 6215 CLAND R. 15 de Septiembre; 0500-0520 SP, machine gun sound effects, sirens; //7050, buzzsaw jamming (Trotto 5/22, Alexander, Brandt 5/19)
- 6252v VATICAN VR; 0515-0545 EG/Latin/etc. (D'Angelo 6/2, Jordan 6/3).
- 6272 PERU R. Huayabamba; 0211-0401* SP, TC's & ment. 49 metros, pop mx 0330-0357 w/ID's as "Huayabamba Radio", s/off anmts, NA to 0401; very pleased w/this! Now for the QSL (Valko 5/10).
- 6280 PIR. "KQRP"; 0308-0428, bluegrass, Dr. X calling for creation of a new "hobby band", request for mail (5/27; Paszkiewicz, Rigas, Jones).
- 6351 CLAND LV del CID; 0938-1021 SP, "Mundo Cultural" (Reinstein 5/18).
- 6724.2 PERU R. Satellite; 0338-0436 SP, Latin vocal mx, frequent TC's (GMT -5), ID's by high-pitched W ancr, mensajes ("Atencion...") to local listeners; level improved steadily, g past 0400 (Cunningham 5/12).
- 6909.8 IRELAND R. Dublin; 0105-0506 EG, pop mx, call-in (7 reporters).
- 7025 CHINA PLA II; 1120 CH, M&W tlks, local mx (Prath-FL 5/20).
- *7103.1 CONGO RTC Brazzaville; 2233-2300* FR, Afro hi-life, some jazz, ID "Ici la Voix de la Révolution Congolaise...émettant de Brazzaville". List of freqs, some sort of rousing nat'l pledge, and anthem to 2258; better here than on 15190; tnx David Potter (Reinstein 5/30).
- 7120 SOMALIA R. Hargeisa; 1715 Somali political talk. One U.S. club claims this is back on 11640, but still noted only on 7120 (Wood 5/7)
- 7145 POLAND R. Polonia; 0200-0300 EG, ID, frequencies, nx, look at Polish papers, lbx, mx, Polish underground in WWII (Dillon 5/12).
- 7150 EGYPT V. of the Arabs; 0305 AR, "Sawt al Arabiyah" (Brandt 5/29).
- *7155.2 JORDAN HKBS Amman; 2239-2329* AR, M&W segued by AR string mx, 6 pipe at 2300, "Idha'at Amman" into nx headlines; Qur'an at 2304, very brief anthem to s/off; good signal with RFE/RL & jammers off this frequency for the summer, at this hour (Reinstein 5/16).
- 7170 NEW CALEDONIA R. Noumea; 0810-1058* FR (Bobb, Enkenhus, D'Angelo).
- 7215 IVORY COAST RTVI; 2302 FR, ID, pop mx, NA 0003 to s/off (Daly 5/14)
- 7245NF LIBYA V. of the Arab Homeland; 0111-0145+ dominating the freq w/ non-stop AR tlk/nx; //3200, 9890, 17930 (Reinstein-FL 5/28).
- 7255 NIGERIA VON; 0541-0600 EG, cmtry on oil market, Nigerian nx, ID, local mx, ID at 0558 & into FR; powerhouse signal (Enkenhus 5/13).
- 7270 S. AFRICA R. RSA; 0445 FR, Press Review; exo. (McKellar 5/20).
- 7275 KOREA REP. RK; 1135 EG, "BW Feedback"; fair (Park-HI 5/27).
- 7295 SWAZILAND TWR; 0555-0620 EG, rel pgm, ID at 0557 (Alexander 5/19).
- 7352.4 CLAND LV del CID; 0020 SP, usual talk, ID's, brief mx (Alexander).
- *7408v BOLIVIA R. Carlos Quinto; 0026-0054 SP, Andean mx & ballads, TC's, ID's at 0034 & 0052, fair to poor (Moore-Honduras 5/30).
- 7410 PIR. R. Soundwave; *0310-0330, siren IS, Beatles mx (McLemore 6/4).
- 7413 PIR. "KQRP"; *0256-0429*, s/on w/IS (beginning of "I Can See It In Your Eyes" by Men At Work (Valko 5/27); 0300, Dr. "X" signing off w/BC address (Paszkiewicz 5/28); 0307-0323 older 50's & 60's rock non-stop til 0316 then Beatles songs (Cunningham 5/27).
- 7425 PIR. The Ital Ship; 0440-0532 comedy skit, Bob Dylan mx, ment. 100 watts, P.O. Box 13255 in Minneapolis (D'Angelo 6/2).
- 7430 UNID. 0054-0124 non-stop variety of LA mx, no anmts at all, poor-fair, suspect R. San Pedro, reported by Codina (Moore-Hond. 5/30).
- 7436 PIR. "WIMP"; 0223-0233, rather heavy rock mx plus talks by M giving his name as Mike Sky and Cap Actor; have reason to believe

- these are same folks that brought us KIS (Cunningham 6/1); 0241-0259*, DJ called himself "The Capacitor" (Rigas-IL 6/1).
- 7440.8 PIR. "KIS"; 0221-0230* typical rock pirate, BC add. (Cunningham).
- 9360 KOREA PDR RP; 2130 EG, M&W w/political talk, patriotic mx, freq & time listings, ID's, s/off 2150; p (Daly 5/28).
- 9360 SPAIN REE; 0120 SP, Spanish rock mx, economic nx (Dickson 5/22).
- 9385 ISRAEL KI; 2145 Hebrew H.S. //11590, 13720 (Daly 5/14).
- 9420 GREECE VOG; 0130+ EG (Dickson 5/10); 0310 GK (Daly 5/12).
- 9440 ISRAEL KI; 0000-0023* EG, "Forum", ID, sked (Dillon 5/17).
- 9475 EGYPT R. Cairo; 2040 AR, Arabic mx, ID 2058, relay of General Arabic Pgm (Dillon 5/24); 0205-0327 EG to N. Am. (3 reporters).
- 9495 MONACO TWR; 0710 EG, rel pgm (Bobb-MN 5/7); 1708 EG/HG, IS, ID at 1710, into Hungarian pgm; eclipse reception, fair (Brandt 5/30).
- 9505 JAPAN R. Japan; 1058 EG, IS, M&W ID's, nx (Bobb 5/14); 1714-1721 EG, commentary, ID 1715; eclipse day reception (Brandt 5/30).
- 9520 NEW ZEALAND RNZ; 0555-0615+ EG, mx fill, 6 electronic time pipe, ID into nx (Jordan 5/12); 0845-0924 EG, mx from NZ Symphony Orchestra, ID "You are tuned to the National Program and the time is a quarter past 9" (D'Angelo 5/29).
- 9535 ANGOLA R. Nacional de Angola; 2350-0012 PT, English pop mx, news at 0000; reception fair (Brandt 5/30).
- 9535 SWITZERLAND SRI; 2203-2210 EG, "Dateline", soccer (McLemore 6/7).
- 9545 SOLOMON IS. SIBC; 0725-0730 EG, ID by W, ad, ID; g (Trotto 5/22); 1152-1235 EG, ID at 1200, into rock; ment. listeners' names at 1210, "Let the music play on Radio Happy Isles" (D'Angelo 5/20).
- 9580 JAPAN RJ; 1100-1115 EG, IS, ID, nx; Australia QRM (Trotto 5/23).
- 9590 CANADA BBC W.S.-Sackville; 0012-0030* "R. Newareel" (Dillon 5/30).
- 9590 NET. ANTILLES RN-Bonaire; 0230-0240 EG (3 reporters).
- 9595 JAPAN NSB; 0830 JP, R. Canada Int'l transcription (Park 5/19).
- 9605 CZECHOSLOVAKIA RP; 1735 EG, cmtry; g, fast flutter (Brandt 5/30).
- 9605 VATICAN VR; 0058-0110 EG, Pope's travels, ID, IS (Dillon-NC 5/30).
- 9610 AUSTRALIA ABC-Perth; 1040-1200 EG, domestic svo. (5 reporters).
- 9610 NORWAY RNI; 0110-0230 NO to N.Am. (Dillon 5/30, Zilmer 5/27).
- 9615 PORTUGAL R. Canada I. via Sines; 0314 RS, IS, under FEBA (Park 5/27)
- 9615 GERMANY FR DW; 1755-1758* GM, fair to poor (Brandt 5/30).
- 9615 VATICAN VR; 2200 EG (Weinhold 5/12).
- 9625 GERMANY FR DW; 0130-0150 GM, ID by W, rock mx (Dillon 5/30).
- 9635 COLOMBIA R. Nacional; 1140-1215 SP, EG lessons, chime (Dillon 5/21); 1300 SP, bell chimes on the hr., ID "Desde Bogota.." (Prath 5/19).
- 9645 BRAZIL R. Bandeirantes; 0915-0927 PT, ment. many Brazilian cities, mewing of oat, address in Sao Paulo (Bobb-MN 5/26).
- 9655 SAUDI ARABIA BSKSA; 2024-2100* AR, long Qur'an, AR talk, ID at 2059 then off; been chasing this for months; BBC QRM (Valco 5/10).
- 9660 YENEZUELA R. Rumbos; 1809-1813 SP, comerciales, ID, into radio-novela; poor; heard again at 2100 (Brandt-NJ 5/30). Eclipse rec. -ed.
- 9670 PORTUGAL AWR; 0700 EG, ID & address, into Bulgarian (Trotto 6/3).
- 9680 BRAZIL R. Nacional; 0830 PT, bank ad, ID's, to Amazônia (Dillon).
- 9680 PORTUGAL R. Renascença; 1823 mx, nx, QRM de Iraç (Brandt-NJ 5/30).
- 9684t EGYPT Sawt el Arab; 2035+, poor copy in a mess of QRM; almost sure was //11665 w/AR mx & talk but no ID (Reinstein-FL 5/27).
- 9690 ROMANIA R. Bucharest; 2010 EG to Europe, folk songs (Daly 5/17).
- 9695 SWEDEN RSI; 0058 IS, into L.Am. Svc. (Daly 5/14); 0230-0258 EG to N.Am., Nordic news & features (Gray 6/5, Dillon 5/19, Bobb 5/9).
- 9700 BULGARIA R. Sofia; 2150-2200+ EG, discussion of tourism & nat'l parks; //11850 (Jordan 5/17); EG nx, answer mail (Leivison 5/17) Time?
- 9725 SWITZERLAND SRI; 0145 EG, answer to question about antennas; good (Blanchette-FL 5/27); 0150-0212 EG, world nx, features (Dillon); 0245 ID, into GM (Gray 5/12); 0430 EG, "Dateline"; good (McKellar).
- 9740 SINGAPORE BBC W.S.; 1130 "Meridian"; QRM Pyongyang 9745 (Park 6/2).
- 9745 CAMEROON R. Yaounde; 2105-2123 EG, nx w/emphasis on events in Africa; ID, hillife mx, into FR 2115 (D'Angelo 5/14); 2110-2115 EG, nx by M, ID, into FR (Gray 6/3); 2114-2128 EG, nx, ID at 2118, nx continues, ID, mx, into FR pgm at 2127; QRM Baghdad (Enkenhus-MD 5/24).
- 9745 ECUADOR HCJB; 0250 EG, rel talk & mx, ID "From Quito, Ecuador, this is HCJB, the Voice of the Andes; g (Dillon 5/21); 0300-0330 EG, quotes from the Book of Proverbs, hymns (Bonnet-IN 5/25); 0430-0445 EG, "Happiness Is"; fair (McKellar 5/27).
- 9745 KOREA PDR; R. Pyongyang; 1025-1050 Korean, choral mx, talk by M, marching mx, ID by W then presumed NA, end; //9977 (Dillon-PA 5/18).
- 9749t TANZANIA RT; 1805-1815 unid lang., possible ID in EG at 1818 w/amrt that target area was S. Afr, then back to unid lang (Jordan 6/2).

- 9750 KOREA REP RK; 1415 EG, //15575 (Gray 5/26); *1155-1215 Korean, IS, W w/ID, M&W w/tlk poss. nx ment. Indonesia; f-g (Bobb-MN 5/17).
- 9750 ROMANIA R. Bucharest; 2117-2126* EG, ID by W followed by a long statistical/production talk; folk tune, s/off amnts (D'Angelo 5/14).
- 9760 ALBANIA R. Tirana; 0235 EG, tourism pgm w/folk mx, ID (Dillon 5/21).
- 9760 AUSTRALIA RA; 0825-0845 EG, sing-along mx, "On Top of Old Smokey", TC, ID as being to Papua/New Guinea (D'Angelo 5/29); 1035-1045 Neo-Melanesian, M&W w/So. Pac. & world news; f (Bobb-MN 5/9).
- 9760 PHILIPPINES VOA-Tinang; 1300 EG, "Newsline" (Gray 5/30).
- 9765 USSR RM N.Am. Svc.; 2239-2350 EG, M w/ment of Terry Palmersheim of Minn. & talk of northern tribes, eskimos (Bobb-MN 5/26); RM W.S.; 0300+ EG, world nx, "Marxism Today" (Dillon 5/12, Park 5/26).
- 9770 AUSTRIA ORF; 0330-0353 EG, world nx, ID, UN report (Dillon 5/30).
- 9770 AUSTRALIA RA; 1215 EG, rock mx, ID (Dillon-NC 5/27).
- 9780 IRAQ R. Baghdad; *0300-0305 AR, bird-like IS, IS (Trotto 5/22).
- 9780 NORTH YEMEN R. San'a; 2100-2115* AR, ID "Itha'at ul-Jumhuriyyat il-Arabiyyat il-Yemaniyyah", nx, Qur'an, NA, s/off (Dillon-NC 5/24).
- 9785 ALBANIA RT; 0220 Albanian; Marxism-Leninism tlk, mx, ID (Dillon).
- 9790 FRANCE RFI; 2115 FR, mx w/M; nx by W; ID; g (Dillon-NC 5/24).
- 9795 USSR RM W.S.; 1205 world nx, ID, "The Soviet Way of Life" (Dillon).
- 9800 USSR RM; 0200 EG, "Radio Kiev" show w/nx (Green 6/4); 0030 RS, "Mayak" program, IS, ID, news, pol. talk (Prath-FL 5/17).
- 9805 EGYPT R. Cairo; 2120 EG, ID & cmntry; f (Gray 6/5); 2125 EG, class. mx, talk on natural gas development; ID at 2130; f (Dillon-NC 5/24).
- 9815 ISRAEL KI; 0000-0030 EG, nx (Weinhold 5/17); 0030 EG, IS, ID, cmnt by W; //9440 (Gray 5/21); 2300-2327 EG, "Faith To Faith" (Dillon 5/17).
- 9825+ KIRIBATI R. Kiribati; 0505-0530 EG/unid. lang., heard two U.S. soul rock selections on either side of 3 minute talk by W anor, poss. reference to Kiribertese; very, very poor w/QRM (Jordan 5/6).
- 9835 HUNGARY R. Budapest; 0200 EG, world nx by M (Dickson 5/29); 0210-0228 EG, cmnt on S.Afr.; Hungarian tourism; IS (Dillon 5/27).
- 9840 KUWAIT RK; 2235-2255 AR, nearly uninterrupted Arabic mx w/local instruments (winds & percussion) w/M&W vocals (Jordan 5/10).
- 9852.5 USA WYFR; 0700+ EG, "Open Forum", loud & clear (Hardester-NC 5/14).
- 9855 GREECE VOG; 0415 Greek letterbox; g (Wood 5/6).
- 9858 EGYPT RC; 2205-2240 AR, radio drama w/mood mx spots, ID, nx; tnx SWL Digest 5/20 (Jordan 5/21). The "General Arabic" pgm -ed.
- 9865 GREECE VOG; 0030-0350 GK/EG/GK to N.Am. (Dillon, Weinhold, Jordan).
- 9870 SAUDI ARABIA BSKSA; 1900-2000 AR, ID by W at 1918 (Dillon-NC 5/30).
- 9880 CHINA R. Beijing; 1120 Esperanto, W/w/cmtry (Park-HI 6/2).
- 9885 SWITZERLAND SRI; 0145 EG, nx, "Dateline"; g (Zilmer-NM 6/1); 0200 EG/SP "Sunday Supplement", mx, ID, into SP at 0215 (Dillon-PA 5/21).
- 9890 LIBYA V. of the Great Homeland, V. of the Peoples' Revolution; 0150 AR, tlk of Egypt & Lebanon, ID: "Saut il-watani il-Kebir, saut ithawrat ish-sha'abiyah", Arabic mx; g (Dillon-PA 5/21).
- 9895 HOLLAND RN; 0227-0300 EG (3 reporters); *2358 SP (Hardester 5/11).
- 9988 PERU Estación 2000; 0208-0229* SP, non-stop Andean mx until 0226 then s/off ID, instrumental NA, and off; fair-good (Moore-Hond. 5/29)
- 10040v CLAND LV del CID; 1028-1236 & 1945-0710 SP, anti-Cuban (11 reports)
- 10083.8 CUBA RHC; 0032+ SP, another of Fidel's many spurs/mixing products or what-have-yiu; //9550 (Reinstein 5/28).
- 11515 CHINA RB; *1700-1755* AR, ID, nx; g (Wood 5/24).
- 11590 ISRAEL KI; 2145-2332 Hebrew mx, nx (D'Angelo 5/28, Levison 5/28).
- 11600NF CLAND LV del CID; 1313 SP, ID & anti-Castro talk (Rigas-IL 5/12); 1740+ "Enfoque Literario", ID "esta es Radio Camilo Cienfuegos"; excellent signal (Reinstein 5/27).
- 11620 BELGIUM BRT; 0055-0112+ EG, "DX Panorama, cmnt (Dickson, Levison).
- 11620 INDIA AIR; 2008 EG, world nx, local nx, mx (Vadino 5/13); 2108 EG, local mx then nx by M, then sitar mx; poor (Gray 5/31).
- 11655 ISRAEL KI; 2345-0356 EG/HE/FR etc. (5 reporters).
- 11660 AUSTRIA ORF (Austrian R.); 1853-1856 EG, end of "Report From Austria", fqy ann; g (Brandi-NJ 5/30). Perhaps eclipse propagation -ed.
- 11665 AUSTRIA ORF; 0358-0500* GM/EG, multi-lingual ID's, ann't, nx, features (Park-HI 5/28, Trotto-FL 5/22).
- 11670 PAKISTAN RP; 1702 EG, nx, ID's, chanting (Vadino 5/6).
- 11675 KUWAIT RK; 1840-2101* EG to Europe, rock mx (4 reporters).
- 11690 SPAIN SFR; 1905-1920 FR, nx, theme mx; f, RTTY QRM (Brandi 5/30).
- 11695 MONACO TWR; 1515 unid lang., IS followed by brief English ID then into lang. with talk and singing (Daly 5/14).

That's it for another month. Some interesting examples of eclipse-related propagation around 1700-1800 on the 30th due to lower absorption. 73, *Bob*



LOG REPORT

section D

11700 and above

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- This month there was another large batch of reports from the membership. So in order to stay within space limitations, we will not repeat listings reported last month. For a total update, please refer also to Log D
- *****
- 11710 CANADA RCI Caribbean Svc 0025 //9755, off at 0029 w/anthem (Hankins)
 - 11710 ARGENTINA RAE in SP 0100-0115 (Bobb 4/8), EG at 0240 w/DX pgm ending at 0245 (Hankins 4/5)
 - 11710 USSR R. Moscow (Petropavlovsk) 0600-0643 in EG w/nx, mailbag, and cmntry (Sharpe 5/6)
 - 11715 EGYPT R. Cairo in AR at 0040, Koranic recitations, s/off w/ID in AR at 0043 (Johnson 5/7)
 - 11740 MADAGASCAR R. Nederland relay in FR at 2015 (Summers 4/11), in EG fr 2100-2120* and varied mx pgm, ann new skeds (Dillon 4/23)
 - 11740 ECUADOR HCJB 1400-1430 in EG w/"Nature Trail" pgm (Dillon 4/21)
 - 11745 TUNISIA Sfax in AR at 1945, time pips & ID at 2000 (Summers 4/11) also in AR 2005-2135 w/Westminster chimes on hr (Bobb 4/13)
 - 11745 IRAN V. of Iran 1835 in TK?, Iraqi jam, p (Park 4/15) Good catch!
 - 11745 IRAQ Saut Ul-Jamaheer in AR 1901-1944, ID, //9635, 17720, & 21585 all sigs p(Dillon 4/16) Are Iraq & Iran also scrapping over the same frequency as well as on the battlefield?
 - 11745 TAIWAN VOFC in JP 1445-1459 (Brandt 3/20) in CH 1234-1302 & CH pop vocals, ID"Chung Kuo Taipei Taiwan", into KR, f (Enkenhus 4/22)
 - 11750 TURKEY VOT 1945-2000 in TK, ID, BBC bells at 1956 (Dillon 4/16)
 - 11750 JAPAN AFRTS FEN 1805 in EG w/playoff basketball game (Park 5/5)
 - 11750 CYPRUS BBC relay: IS 0555, ID in EG 0559: "This is BBC East Mediterranean Relay St. opening transmission to Europe on 11.75 mhz", 0600 into W. Sve., nx, QRM fr Sofia, f (Wood 3/22)
 - 11750 ANTIGUA BBCWS relay 0000-0030 in EG, nx (Dillon 4/17)
 - 11755nf SEYCHELLES FEBA 0402-0431* in AR, ID, relig tks (Jordan 5/3, Wood)
 - 11755nf TURKEY V. of Turkey 0257-0315 in EG, nx, ID, TC, freq anmts, moved here from 11870 (Johnson 5/7, McLemore 5/8)
 - 11755 AUSTRIA ORF 0136 in GM, polkas, yodels, exc (Hankins 4/17)
 - 11760t COOK IS. CIBNC 0620-0655 in EG, mx but faint sig, definitely some activity here but not much to evaluate, sig very p (Jordan 4/26)
 - 11760 CUBA R. Havana 0700-0705 in EG (McKellar 4/5) 1731-1800 in SP, piano mx, ID, long tk, LAM mx (Dillon 4/16)
 - 11770 MEXICO R. Mexico 1325-1459 in SP, ID 1430, (Jordan 4/16, Dillon 4/21)
 - 11770 YEMEN PDR DYBS *1100 in AR, anthem, ID, nx, //6005, g (Wood 3/27)
 - 11775 SPAIN REE 0155 in SP, ID 0159, TC, 89+30 sig (Hankins 4/19)
 - 11775 PORTUGAL RDP 2120-2200 in FR/IT, ID in both, nx, p (Dillon 4/19)
 - 11780 BRAZIL R. Nat de Amazonia 0045 in PT (Weinhold 4/26)
 - 11780 BELGIUM RTBF IS at 0420, into FR at 0430, nx, g (Wood 3/20)
 - 11785 USSR R. Tashkent *1200-1228 in EG, nx (Bolland 4/10, O'Brien 4/24)
 - 11785 WEST GERMANY DW 0100-0145 in EG, "Germany Today" (Weinhold 4/25)
 - 11790 AUSTRALIA RA 1758 ID in EG, "This is a test transmission from Carnarvon transmitter directed to the Indian sub-continent", mx. At 1800 sig was cut, QRM fr VOA, g (Wood 3/21)
 - 11790 USSR R. Kiev 2330-0000 in EG, DX pgm (Weinhold 4/19) 0240-0300* in UK, nx, cmntry, ID's, anthem, ARM fr AFRTS (Jordan 5/3)
 - 11800 AUSTRALIA RA 1020 in JP, "DX time" (Park 5/2) 1155-1300 in EG w/nx and mx, IS bird calls (Bonnet 5/1, Wood 3/27, Dillon 4/8)
 - 11805 BRAZIL R. Globo 0050 in PT (Weinhold 4/26) Pgm details?
 - 11805 KOREA KBS *1300 IS, into CH, nx, f (Wood 4/13)
 - 11810 VATICAN CITY RV 1545-1600* in EG, nx, beam to India, g (Wood 4/6)
 - 11815 LIBYA R. Jimahiriyah 2232-2245 in EG, AR 2237 (Dickson 4/22, Muzyka, Jordan 4/15) also 1831-1901 irr AR, Qaddafi speech (Dillon 4/16)
 - 11815 NETHERLAND ANTILLES TWR 1112 in EG w/ID & cont IS, g (Gray 4/26) also hrd w/ exc sig at 1115 (Blanchette 4/25)
 - 11820 QATAR QBS 0400 in AR, ID, nx to N & E Africa, g (Wood 3/27)

11820 TURKEY VOT IS at 0955, ID into BG, nx 1000, jammed, f (Wood 4/12)

11825 TAHITI R. Tahiti 0552-0720 in FR/TT, island mx, FR @ 0600, nx, co-channel int @ 0600 (Dillon 4/18) Call-in pgm, exc sig (Summers 5/5)

11830 NORTH KOREA K. Pyongyang 0930 in EG, QRM fr VOFC & KWTR (Park 4/28)

11830 ROMANIA R. Bucharest *1600 in AR, nx, ID, //9625 which has not been blocked by BBC Cyprus since 4/12, g (Wood 4/12)

11835 AUSTRIA ORF 1900 in GM, ID, list freqs, bmd to Afr, g (Wood 4/13)

11840 JAPAN NHK *1255 IS, ID in JP & EG, 1300 into EG, nx, QRM (Wood 3/27)

11840 ROMANIA R. Bucharest *0530 EG to Afr, ID, nx, //11940, g (Wood 4/13)

11840 CUBA R. Moscow relay at 1720 in EG, cmntry on mining of Nicaragua ports, nx, ID, jazz show, vg (Dillon 4/10)

11840 ASCENSION IS. BBC relay 1855 in EG, "Play of the Week", f (Park 4/14)

11845 USSR R. Moscow 0330 in EG w/usual propoganda & "news" (Hankins 4/16)

11845nf INDIA AIR 1800 in AR, ID, "Huna Delhi" //9912, ex-11810 (Wood 3/21)

11845 VATICAN CITY 0100 in EG, interview w/missonary priest, IS chimes, and into SP at 0115 (Hankins 4/11)

11855 SAUDI ARABIA BSKSA 2032-2100* in EG, Big Band mx, ID, nx @ 2047, prayers, some Koran recitations & s/off anmnts (D'Angelo 4/7)

11865 BRAZIL R. Clube de Pernambuco 0050 in PT, excited tk (Weinhold 4/26)

11865 NORWAY R. Norway *0455 IS, ID in NO & EG, 0500 into NO nx, g (Wood)

11865 MONTSERRAT DW relay 2300 in SP (Daly 4/21) 0030-0050* in PT, ID, nx mx, cmntry on German technology, IS @ 0050 & s/off (Dillon 4/24)

11880 SPAIN SFR 0000-0100 in EG w/lessons in SP, mx, nx, (Hankins 4/11, Dickson 4/14, Levison 4/23)

11900 SAIPAN KYOI 1115-1415 in EG & JP, rock mx "...this is "Super Rock 24 hours a day"... g sig (Jordan, Dillon, Enkenhus, Bonnet, Trotto)

11900 SAUDI ARABIA BSKSA *1255 IS, 1300 anthem, ID in Urdu, g (Wood 4/3)

11910 AUSTRALIA RA 0825-0841* in EG, nx to Pac & Asia, exc (Schulze 3/25)

11915 TAIWAN VOFC *1300 in VT, anthem, ID, nx, f (Wood 3/27)

11919.5 JORDAN HKUBS 0415 in AR, ID, talk, g (Wood 3/31) freq varies

11920 BULGARIA R. Sofia 2148-2200 in EG "Sofia Mailbag", ID, QRM (Bobb 4/26)

11920 AUSTRALIA RA 1100* in EG, ID, IS, s/off Papua-New Guinea svc (Trotto)

11925 BRAZIL R. Bandeirantes 0000-0030 in PT, tlk by excited M (Weinhold)

11925 USA WYFR 0247 in SP, relig pgms, sig 30 DB over (Hankins 4/20)

11925 PORTUGAL RP 0047 in FR, relig mx (Levison 4/17) 0245 in PT w/ID & IS @ 0300, EG @ 0300, nx, exc (Dickson 4/12, Mayer 4/15)

11940 GABON Africa No. 1 2045-2120 in FR, interview (Dillon 4/15)

11940 USA WRNO New Orleans 1755-1800* in EG, ads, Beatles mx (McKellar)

11940 CANADA RCI 0238 in SP to Cent Amer, 40 DB over sig (Hankins 4/20)

11949 SAUDI ARABIA BSKSA 1755 in AR, mx, ID, nx, QRM Alma Ata, f (Wood)

11955 OMAN BBC relay 0400 in EG to Mid-East and So. Asia (Daly 4/14)

11955 BELGIUM BRT 0415 in DT, nx, ID, QRM fr BBC, f (Wood 3/30)

11955 PHILIPPINES R. Veritas 1455-1500 in EG, nx, g (McKellar 4/26)

11975 EAST GERMANY RBI 0030-0045* in EG (Weinhold 4/20)

11990 CZECHOSLOVAKIA R. Prague 0235 in SP, nx, cmntry (Hankins 4/20), 1435-1440 in EG, nx (McKellar 4/16) *1630-1640 in GM, p (Mayer 4/22)

12005 USSR RM 1540-1600* in RS, orch mx interludes, LS 1559 (Bobb 4/14)

12015 PAKISTAN RP 0415* in Farsi, ID "Inja Islamabad", off w/anthem (Wood)

12025 ISRAEL Kol Israel 2320 in FR, //9815, 11655, 17630, EG @ 2330 (Daly)

12025 VIETNAM Hanoi 1112-1131 in EG, cmntry hostile to Thailand, mx with explanations by YL, weak sig (Dillon 4/21)

12095 UNITED KINGDOM BBC 2000-2030 in EG, nx, ID TC, f-g (Mayer 4/15)

15010 VIETNAM Hanoi 1910-1930 in EG until 1927 closedown, back on air in FR at 1930, nx, oriental mx, ID, (Cobb 4/15, Mayer 4/15)

15020 USA Pirate "V. of the U.S." 2050-2100 in EG, ID, reggae mx, p, deep fading, QRM fr SSB UTE (McLemore 4/7)

15060 SAUDI ARABIA BSKSA *0358-0430 in TK, chants, march mx (Jordan 4/17) 1451-1518 in AR, ID "Arabiya Saudiya", brief prayer, Koran (Enkenhus)

15070 UNITED KINGDOM BBC 2220-2230 in EG, "World Today", mx, ID, f (Bobb)

15084 IRAN VOIRI Hrd in AR 1800-1902 (Dillon, Summers) 1515 in Farsi (Daly) in unkn lang at 0215 (Hankins) relig tlks & chants, cheering etc.

15100 USSR RMWS 1420-1535 in EG, //Havana 11840, nx (Prath, Dillon)

15115 ECUADOR HCUBJ 1229-1255 in EG, relig pgm, ID, f-g (Bobb 4/14)

15110 SAIPAN KFBS 1650 in EG, non-stop EZL mx until 1700 ID, f/g (Park)

15115 SAIPAN KFBS 0930-1033 in EG/JP/KR, oriental mx, high-voiced YL between selections, req for repts (Park 4/13, Jordan 4/11) reports also recd of unid sta at same time slot from Schulze 3/25 and Jordan 4/24, they rpt lang like Cambodian or VT, Asian mx. Likely Saipan too.

15120 NIGERIA V. of Nigeria widely rptd fr 0510-2130 in EG, var pgms
Incl Afr mx (Hardester, Vadino, Cunningham, Wood, Bobb, Jones, Summers

15120 USA VOA(UN) 1930-2000 in EG, UN nx, g, feature pgm (Phipps 4/27)

15120 POLAND R. Polonia 0415 in PL for sailors, region nx, g (Wood 3/27)

15130 TURKEY VOT 0530 ID in TK, mx, tlks //15220, 15345, g (Wood 3/22)

15135 BULGARIA RMWS via Plovdiv 1420-1445 in EG, cmntry (Dillon 4/24)

15150 USSR RMWS 1645 in EG, feature, ID, freq lists (Dillon 4/24)

15150 SAIPAN KFBS 1218-1230 testing, instr mx incl "We wish You a Merry
Christmas", ID in EG, into tlks in JP or KR, occ 2-second tones during
mx/tlks, unid EG stn below (Hardester 5/4)

15160 BULGARIA R. Sofia *0500 IS, into FR to Afr, nx, g (Wood 4/13)

15160 ECUADOR HCJB 2105-2115 in SP, Andes mx, f-g (Bobb 4/16)

15165 DENMARK RD 1506 in DN, nx, mx, cmntry, exc (Vadino 4/7 & Levison)

15165 INDIA AIR 0313 in HD, IS, ID, local pop mx, QRM Papeete (Park 4/14)

15165 NORWAY R. Norway 0415 in NO, interview, g (Wood 3/30)

15165 CHINA R. Beijing *1000 in CH(Cantonese), ID, nx, g (Wood 4/10 & 12)

15170 TAHITI Papeete 0250-0530 in FR & TT, apparently a favorite listening
sta for members...½ hr of non-stop island mx, most refreshing on a
cold, rainy Maine night! (Cobb 4/17).. "Good for the nerves" (Sharpe)
Also rpts fr (Wood 3/27, Blanchette 4/21)

15170 NORWAY RN 1905-1930 in EG, nx, pgm on Easter in Norway, (McLemore)

15180 USSR RM 0610-0633 in EG, Moscow Mailbag, nx (Sharpe 4/22)

15180 USSR R. Sta Peace & Progress (FE) 1100 in CH, IS, ID (Park 4/15)

15180 NORWAY RN 1500-1545 in NO, nx,tlk, ID in EG, pop mx (Dillon 4/22)

15185 USA WINB 2000-2100 in EG, relig pgm, ID (Bobb 4/6, Wood 4/12)

15190 VATICAN STATE *0445 in FR to Afr, 0500 in EG, //11725 - WRTH errone-
ously lists both FR & EG @ 0445, g (Wood 4/12); *0630-0645 in PT
w/IS, ID, nx, f (Trotto 5/3); *1230 in VT, w/IS, ID, p (Trotto 4/1)

15190nf SWEDEN RSI 1400 in EG, IS, ID, nx, features, vg (McLemore 5/7)

15195 CHINA R. Beijing 0830 in EG, nx abt Reagan's arrival (Park 4/26)

15200 SEYCHELLES FEBA *0500 IS, ID in SH, //11800, g (Wood 4/12)

15200 SAUDI ARABIA BSKSA *1600 in SH, anthem, ID, nx 1630, g (Wood 4/10)

15205 GABON Africa No. 1 0700-0715 in FR, ID, tlk, nx, g (Trotto 5/3)

15210nf WEST GERMANY DW 1730-1810 in GM, class mx, IS, ID, nx, f (Dillon 4/20)

15220 GABON Africa No. 1 0620 in FR, Afr mx, ID, f (McKellar 4/24)

15220 NETHERLANDS RN 2100-2120* in EG, ID, nx, interview, vg (Dillon 4/10)

15220 TURKEY VOT 0450-0510+ in TK, local mx, chants, TC on hr, g (Jordan)

15225 SINGAPORE BBC relay *1700 in EG, local ID, into WS, nx, f (Wood 4/3)

15225 NORWAY RNI *1655 IS, NO, ID in EG, 1700 nx in NO, QRM, f (Wood 4/3)

15245t ZAIRE LV du Zaire 0032-0305 in FR, no ID rptd by either rpt, altho
ment of Kinshasa hrd, QRM fr HCJB (Field 4/20, Dillon 4/15)

15250 ECUADOR HCJB 0030-0100 in EG, relig pgm, g (Muzyka 4/10)

15250 PHILIPPINES VOA(UN) 1032 in EG w/"UN Calling Asia", QRM (Park 4/28)

15250 USA VOA Xmtr site unkn 0135 in SP with LA mx (Hankins 4/19) VOA'S
latest Freq Sked lists VOA-Colombo for this slot. They evidently
have made some kind of change.

15265 INDIA AIR 1900 w/GOS, nx, Bombay listed in WRTH (Schulze 4/7)

15270 WEST GERMANY DW 0115-0145 in GM, drama, ID, at 0145 (Hankins 4/19)

15270 INDIA AIR *0430 in AR "Huna Delhi", nx //17785, g (Wood 3/29)

15270 TAIWAN VOFC 1200 in Cantonese, ID, CH class mx, QRM BBC, f (Wood 4/5)

15270nf CUBA RHC 1720 in EG, contest w/prize: a trip to Cuba! (Schulze 3/24)

15270nf SWEDEN RSI 2300-2327* in EG, ID alternating in diff langs until 2330
when SW xmsn began, exc (Davisson 5/7, McLemore 5/6)

15270 FINLAND RF *1700 in FN, ID "Suomen Yleisradio", nx, QRM, f (Wood 4/8)

15280 SINGAPORE BBC relay 1030 in EG, ID, bells, quiz show, jamg (Park)

15280 USA KGEI *2130-2200 in EG, ID, relig pgm & serm, f-g (Bobb 4/18)

15285 AUSTRALIA RA 0245-0330* in EG, IS, TC, ID, nx, mx, tlks (Jordan 4/20)

15290 BRAZIL R. Nacional do Brazil widely rptd w/powr sig fr 0104-0300 in
EG, nx, features (Levison, Bonnet, Hankins, Dickson, Dillon, Cassidy,
McKellar)

15295v MOZAMBIQUE RM 1200 in PT, ID, African choir, nx, g (Wood 4/5)

15295 MALAYSIA Kajang VOM *1030-1100 in Mandarin, s/on w/ID, nice mx, YL
DJ, time pips @ 1100, nx(?) by OM, f (Dillon 4/21)

15305 GREECE VOA Rhodes1730 in AR, Arabic Svc Relay (Daly 4/7)

15307v MOZAMBIQUE RM 1600 in PT, ID, nx, Lisbon accent, g (Wood 4/2)

15310 BULGARIA R. Sofia *1700 in AR, ID, "Huna Sofia", nx, g (Wood 4/15)

15310v GUINEA LV de la Revol 0425 in FR, chanting crowds at funeral of Pres.
Toure, FR press review of obituaries, exc coverage of his illness,
death, and burial, and - a week later - the revolution, g (Wood 3/29)

- 15315 JAPAN RJ via Gabon *0400-0500 in JP/EG/RS, IS, ID's ment "Gabon No. 1" also tlks in Euro langs by YL, exc (Jordan 4/24)
- 15320 AUSTRALIA RA 0300-0520 in EG, TC, ID, IS, nx (Jordan & D'Angelo)
- 15320nf AUSTRIA ORF 1230 in EG, IS, ID, "Letter from Austria" (McLemore 5/6)
- 15320 UNITED ARAB EMIRATES R. Dubai 1600 in EG w/"Arab Heritage", 1615 into "Press Review", f (Wood 4/12) 1830-2018 in AR, AR mx (Dillon 4/24)
- 15325 CANADA RCI 1800-1830 in HG, nx, ID, tlk, choir mx (Dillon 4/21)
- 15325 AUSTRALIA RA 0315 in EG, sports, //17715, 17795, 21680, QRM (Wood)
- 15330v MOROCCO RTM 1900 AR fanfare, ID, nx, g (Wood 4/4)
- 15335 MOROCCO RTM 1730-1805 in AR, mx, ID @1800 "Huna Ribat", nx (Dillon 4/15)
- 15345 ARGENTINA RAE 0200-0300 in EG, mx, nx, (Dillon, Blanchette, Dickson)
- 15345 SAUDI ARABIA (?) 0240 in AR(?), tried to tune RAE but overpowered by this, "sounded like dying cow in a snowstorm".. (Dickson 4/18) Might have been R. Kuwait which WRTH lists during 0200 time slot.
- 15350 LUXEMBOURG RTL 1500-2330 in FR by several rpters, nx, rock mx, seldom ID, ads, vocals, DJ w/disco (Dillon, Daly, Wood, Bonnet)
- 15360 PAKISTAN RP *0340 IS, 0345 into Gujarati, nx, 0400*, g (Wood 4/11)
- 15390 UNITED KINGDOM BBC 1733-1800* in TK, soccer scores, mx (Dillon 4/21)
- 15390 ASCENSION IS. BBC relay 2155-2215 in PT to Brazil, f (Bobb 4/12)
- 15390nf ECUADOR HCJB 1355-1430* in SP, rel mx & plays, ID, f-g (Dillon 4/20)
- 15395 SPAIN REE 1750 in SP, nx, sports interview, //15535, g (Wood 3/21)
- 15395 AUSTRALIA RA 0420-0625 in EG, mx, features, nx (Wood, Jordan, Sharpe)
- 15400 FINLAND RF 1302-1325 in EG (Daly & Dillon) 1500-1515 in FN (Dillon)
- 15405 SEYCHELLES FEBA *1100 IS, AR ID, relig, //17875, g (Wood 3/27)
- 15410 USA VOA Greenville 1605-1630 in EG to N. Afr, features (Bonnet 4/24)
- 15415 AUSTRIA ORF 1000 in GM, list freqs, nx, g (Wood 4/15)
- 15420 CUBA RHC 0048-0058 & 1430-1500 in SP, nx, mx, ID (Brandt, Dillon)
- 15435 UNITED ARAB EMIRATES R. Dubai 0345 in EG, press review, f (Wood 4/3)
- 15450 LIBYA R. Jamahiriya 1818-1908 in EG, Afr Svce, cmntry, nx, pgm review, lite mx, ID (Wood 4/1, Jordan 4/15, Cunningham 4/21, Brown 4/25)
- 15455 USSR R. Atlantika 1605-1631 in RS, tlk about opera, ID "R. Atlantika" mxm R. Moscow IS @ 1630, vg (Dillon 4/16) ED: This is new one on me.
- 15460 USSR R. Tashkent *1200-1230* in EG, mx IS, OM ancr w/"Radio Tashkent calling", fqys, nx, local mx, interviews, f (Jordan 4/24)
- 15474 ANTARCTICA LRA36 R. Nacional 2340-0016 in EG & SP, mx, announcements, ID in EG at 0014 (finally!), poor sig (Brandt 3/20)
- 15475 USSR RMWS 1701-1733 in EG, nx, features, "Request Concert" (Dillon)
- 15485 NEW ZEALAND RNZ 0335-0519* in EG, mx, TC, wx temps (Dillon & Jordan)
- 15490 USSR RMWS 1632-1659* in EG w/nx & features (Dillon 4/21), 1725 with Afr Svce in EG (Daly 4/7), 0228 in SP, ID, IS chimes (Hankins 4/23)
- 15500 USSR R. Peace & Progress *1630-1645 in EG, IS, ID, tlks (Mayer 4/15)
- 15510 USSR RMWS 1550-1632 in EG, Soviet rock, ID, cmntry, nx (Dillon 4/21)
- 15515 USSR RMWS 0223 in EG, propaganda about Olympic Games (Hankins 4/23)
- 15517 PAKISTAN RP 0410 in Urdu, cmntry on Pak-Malaysia rel, g (Wood 3/27)
- 15530 USSR R. Afghanistan relay *1700 AR ID, nx, 15077 not noted (Wood)
- 15550 USSR R. Moscow 0400 in FR, bells, fqy anns, nx (Park 4/29)
- 15570 SWITZERLAND SRI 2145-2215* in EG, polkas, tlks, ID (Bonnet & Trotto)
- 15575 SOUTH KOREA Seoul 0200-0226 in EG, nx, mx, DX pgm, features (Jones, Hankins, Dickson) 1400-1500 in EG to Mid-East & Afr (Cassidy, Bonnet) 1140-1201 in EG w/similar pgms (Enkenhus, Dillon)
- 15600 LIBERIA VOA relay 0500-0515 in EG, ID, fqy ck, nx, g (Trotto 3/22)
- 15850 UNITED KINGDOM BBC(SSB) 2050 in EG, mx, vocals (Levison 4/29)
- 17565 GREECE VOG *1300 anthem, ID in GK, nx, g (Wood 4/3)
- 17595 MOROCCO(t) RTVM 1517-1700* in AR, AR mx, nx @ 1600, Qur'an @ 1606, sounded like sports event, suddenly off 1700, no ID, p (Dillon 4/14)
- 17595 BELGIUM BRT 1430-1445 in EG, ID, mailbag, g, some QRM (Trotto 3/19)
- 17610 BELGIUM BRT 1400-1442 in EG, IS, ID, nx, mx, features (Dillon 4/13) ED: It looks like they moved up 1.5 mhz early in April.
- 17620 FRANCE RFI 1535-1655 in FR/EG, class mx, pgm recap, ID (Dillon 4/17)
- 17650 SPAIN REE 1535-1600 in SP, tlks, ID, features (Dillon 4/16)
- 17670 EGYPT R. Cairo 1710-1750 in AR, AR mx, ID, prayers, f (Dillon 4/14)
- 17675 BELGIUM BRT 2105* FR to Afr, DJ show, anthem, drums IS, g (Wood 3/21)
- 17675 EGYPT R. Cairo 1245-1329* in EG, mx pgm to Asia, requests from India for AR mx, (Schulze 3/25, Wood 4/3)
- 17680 PAKISTAN RP 1600 in EG, dictation speed nx, 1616*, g (Wood 4/7)
- 17690 EGYPT R. Cairo 1600 usual pre-nx fanfare, into Urdu nx, g (Wood 4/10)
- 17700 MOROCCO R. Mediterranee 0730 in FR/AR, pop mx, commercials for Coca Cola, Marlboros (Brown 4/24) ED: WRTH lists only MW outlets for this sta. Must have activated SW xmsn also. Casablanca address listed.
- 17705 NEW ZEALAND RNZ 0335-0518* in EG, //15485, mx, features (Cobb, Jordan)

17705 UNITED KINGDOM BBC 1415 in EG, requests, ID, sci feature (Dillon 4/19)
 17710 SWEDEN RSI 1600 in SW, pgm 1 to N. Amer, nx, g (Wood 3/30)
 17710 SINGAPORE BBC relay 0015-0045 in EG, nx, features, ex 17715 (Brandi)
 17720 ROMANIA R. Bucharest *1800 in PT to Afr, ID, f (jamming) (Wood 4/11)
 17720 SPAIN REE 1745 in SP, futbol, //17845, g (Wood 4/1)
 17720 FRANCE RFI 1440-1505 in FR, interview, mx, ID, nx, TC (Dillon 4/19)
 17725 CHINA R. Beijing *0400-0455* in Cantonese, ID, nx, g (Wood 3/30)
 17725 TURKEY VOT *0300-0350* EG to NA, nx, skeds, g, QRM fr Beijing (Wood)
 17730 VATICAN CITY 1505-1520 in lang(?), relig mx, IS 1515, f (Dillon 4/19)
 17730 USA VOA Bethany 0025-0100 in EG, tlk on med treatments (Bonnet 4/30)
 17745 ALGERIA R. Algiers 2000-2030 in EG, nx, ID, amnts, mx, talk on Upper Volta, g (Brandi 3/29, Laskowski 4/1, Vadino, McLenore, Muzyka)
 17752 PAKISTAN RP *0400 IS, Urdu, Qur'an, //15515, g (Wood 4/5)
 17755 JAPAN R. Japan 0305 in EG, nx, press cmt, TC, tlk (Paszkievicz 4/24)
 17770 WEST GERMANY R. Liberty 1800-1820 in RS, IS, ID "Govorit Radio Svoboda", nx, g (Mayer 4/14)
 17770 IRAQ Sawt ul Jamaheer 1900 in AR, ID, chimes, to Eur & Amer (Wood 3/20)
 17790 ROMANIA R. Bucharest 0530 in EG, nx to ANZ, //17745, g (Wood 3/22)
 17790 UNITED KINGDOM BBC 1520-1600 in RM, EG by Radio, ID, nx (Dillon 4/19)
 17790 NORWAY RNI 1615 interview in NO w/development worker, g (Wood 3/30)
 17790 ECUADOR HCJB 2145-2200* in EG, DX Party-Line, into SP (Trotto 3/36)
 17795 AUSTRALIA RA 0049 in lang(?) probably IN, IS, mx (Hankins 4/19)
 17795 FRANCE RFI 1605 in EG, nx on Africa (Levison 4/25)
 17800 FINLAND RF 1400-1415 in EG, nx followed by tlk show (Daly 4/14)
 17800 CUBA RHC 2040 in AR, ID, march mx, nx (Dillon, Wood) 0049-0059 in SP, ID in SP and freq listings (Hankins 4/19)
 17805 USA WYFR Family Radio 0054, relig hymns, 20 db + (Hankins 4/19)
 17815 MOROCCO RTVM 1825-1900 in AR, AR mx, "Superman" theme, f (Dillon 4/15)
 17815 BRAZIL R. Cultura 2201-2230 in PT (Bobb 4/13) 0323-0418 also in PT w/mix of EG & PT romantic mx, ID at 0411, jazz (Enkenhus 4/22)
 17820 CANADA RCI 1800-1830 in EG (Bonnet) 2115-2125 in FR (McKellar 4/10)
 17822v BANGLADESH RB *1615-1645* AR IS, ID, nx, comtry, f (Wood 3/22)
 17822.5 CZECHOSLOVAKIA R. Prague *1730-1825* in EG, nx, attack on US withdrawal from UNESCO. Do not confuse w/Bangladesh, g (Wood 4/11)
 17825 JAPAN RJ hrd variously fr 0015-0245 in EG w/nx & features, mailbag, (Jordan 4/12, Bonnet 4/15, Hankins 4/19, Dillon 4/24, Dickson 5/2)
 17830 SWITZERLAND SRI 1600-1700 in FR/AR, nx, features, f-g (Dillon 4/19)
 17830 UNITED ARAB EMIRATES R. Dubai *0415 anthem, into AR, nx, f (Wood 3/27)
 17840 SPAIN REE *1655 IS, ID in SP, 1700 into AR, nx, g (Wood 4/5)
 17840 CZECHOSLOVAKIA R. Prague *1730-1740 in EG, ID, nx, tlk, g (Trotto 3/17)
 17850 SRI LANKA SLBC 1059 in EG, "R. Monitors Intl", jammed at 1107 (Park)
 17850 KUWAIT RK 0415 AR ID, mx, //6055, g (Wood 4/1)
 17855 NORWAY RN *1400 in EG, nx, ann //17840 but could not be hrd (Prath)
 17855 FINLAND RF 1404-1425* in EG, nx, wx, editorials, ID, IS, f (Enkenhus)
 17860 SWEDEN RSI 1515-1530 in FR, folk mx, ID, IS @ 1528, g (Dillon 4/16)
 17890 ECUADOR HCJB 1415-1430 in EG, relig mx & bible verses (McKellar 4/23)
 17930 LIBYA SPLAJBC 1850-1945 in EG, chants, speech, p, (Dillon 4/20)(Wood)
 19070 ANGOLA R. Mac de Angola 2005-0005+ in SP, EG fr 2240-2325, tough copy but hrd "This nx is....Angola" (caught every 7-8 wds) (Jordan 4/17-20)
 21460 BELGIUM BRT *1800 IS, into FR, nx, TC, //15210, g (Wood 4/11)
 21478 ECUADOR HCJB 2150-2208 in EG & SP, DX Party line (Hawk & Hardester)
 21485 FINLAND RF 1530 in FI, interview, 1555*, g (Wood 4/7)
 21520 ENGLAND VOA Woorferton 1206-1230 in RS, nx, choir, RSI QRM (Enkenhus)
 21530 USSR R. Moscow 0040 in EG, usual propaganda (Hankins 4/19)
 21535 AUSTRIA ORF 1030 in EG, ID, nx, QRM fr RSA @ 1050, 1055*, g (Wood 3/22)
 21545 KUWAIT RK 0600 in AR, freq list, "Kiddies' Corner", g (Wood 4/13)
 21570 USA AFRTS (Delano) 2254-2315 in EG, sports pgm (Hawk 4/15)
 21585 IRAQ R. Baghdad 1700-1825 in AR, ID (Jordan, Prath, Dillon)
 21600 RWANDA DW relay 2020-2100 in GM, opera, IS, ID @ 2100 (Dillon 4/23)
 21670 PHILIPPINES AFRTS relay 1800 in EG, nx fr UPI & AP, f (Wood 4/5)
 21685 PORTUGAL RDP 1615 in EG to India, tlk on E. Timor, f (Wood 3/30)
 21700 NORWAY RNI *0655 IS, ID in NO & EG, 0700 into NO nx, QRM Dubai (Wood)
 21740 AUSTRALIA RA 0445 in EG, DJ show, TC, //21680, 17715, g (Wood 3/29)
 21800 PAKISTAN RP 0730 in Urdu, ID, nx, g (Wood 4/12)
 26020 ECUADOR HCJB 2015-2345 in lang(?), relig pgm, hymns (Hankins 4/20, Hawk 4/15) ED: Great catch considering mere 100 w. power at this freq
 26040 USA VOA Greenville 2219-2234 in EG to W. Afr "VOA Jazz Hour" (Hawk)

Whew! Just made it. Many fine reports received again. Good work !

LOG

REPORTERS

FRENDX

John M. Kapinos, 86 S. Quinsigamond Ave., Shrewsbury, MA 01545

Brian ALEXANDER, Mechanicsburg, PA; Marion BLANCHETTE, Thonotosassa, FL (R600, DX100); Charles BOLLARD, Lake Worth, FL (R70, FRG 7000); Ralph BRANDI, Middletown, NJ (ICF2001); Larry CUNNINGHAM, Columbus, OH; Richard D'ANGELO, Wyomissing, PA (R70); Thomas DALY, Pmona, NY (FRG7700); Richard DICKSON, Goshen, OH (DX302); Peter DILLON, Washington DC (Zenith 300, DX400); Kurt ENKENHUS, Silver Spring, MD (NRD 515); Marlin FIELD, Hillsdale, MI (SX100, SPR4); Jerry GREEN, Maryville, TN (FRG7700); Art HANKINS, Greensburg, PA (R1000); Mike HARDESTER, Cherry Point, NC (R1000, FRG 7000); Michael HAWK, Hampton, VA (XCR 30); Brian JONES, Houston, TX (R70); Rufus JORDAN, Pittsburgh, PA (DX302); Tom LASKOWSKI, South Bend, IN (ICF 2001); John MCKELLAR, Mountain View, CA (DX 160); Travis MCLEMORE, Clearwater, FL (FRG 7); Don Moore, Honduras (FRG7 ICF 7600A); John MOSNAN, Champaign, IL (R2000, FRG7); Bill MUZYKA, Woodside, NY; Arthur ONNET, West Lafayette, IN (DX400); Dale PARK, Honolulu, HI (ICF 6700W); Sheryl PASKEWICZ, Manitowoc, WI (DX302, DX400); John PRATH, Fort Lauderdale, FL (FRG7000, FRG7); Steve REINSTEIN, Mirimar, FL (R70); Christos RIGAS, Chicago, IL (R2000); Bryan SHARPE, Castro Valley, CA (DX302); Ron TROTTO, St. Cloud, FL (CR 2021); George VADIO, Bellevue, WA (RF4800); Dave Valko, Dunlo, PA (R388, FRG7, DX160); Terry WEINHOLD, East Earl, PA (R1000, HQ180A); Michale Westphal, Alden, NY (FRG7700, RF2900); Dr. Richard WOOD, Saudi Arabia (R1000, R7); Robert ZILMER, Rio RANCHO, NM (R1000, ICF 5900W).

Thanks to all who contributed, either through CDE or direct to the individual editors. It's you, the readers, who make NASWA the great club it is through your contributions. We must adhere to the 12th of the month deadline to make things work, as the individual editor's packagers go out the morning of the 13th. Anything coming in after the magic date will be held until the following month. As a rule, allow a minimum of 5 days for your material to reach Shrewsbury. On a personal note, thanks to Bill Oliver for allowing me the privilege of doing this service to NASWA. Also, looking forward to meeting a lot of you face to face North of the Border come the weekend of the 20th at the ANARC Convention in Toronto.

THE NASWA AWARDS PROGRAM

AWARD	REQUIREMENT
European Continental DXer	Verification of one station in at least 25 different European broadcast countries.
✓ European Continental DXPert	Verification of one station in at least 35 different European broadcast countries.
African Continental DXer	Verification of one station in at least 40 different African broadcast countries.
✓ African Continental DXPert	Verification of one station in at least 50 different African broadcast countries.
Asian Continental DXer	Verification of one station in at least 30 different Asian broadcast countries.
✓ Asian Continental DXPert	Verification of one station in at least 50 different Asian broadcast countries.
North American Continental DXer	Verification of one station in at least 15 different North American broadcast countries.
✓ North American Continental DXPert	Verification of one station in at least 18 different North American broadcast countries.
South American Continental DXer	Verification of one station in at least 10 different South American broadcast countries.
✓ South American Continental DXPert	Verification of one station in at least 13 different South American broadcast countries.
✓ DXer de Pacifica	Verification of one station in at least 10 Oceania broadcast countries.
✓ All Continent "QRP" Dxe (for 50, 25, 10, 5, and 2 kw— revision stickers 10 cents each)	For verification of one station from each radio continent, with the power from the lowest powered station verified in each continent totaled together for the lowest possible wattage combination, not exceeding the values indicated above, including not more than one time and frequency standard station.
✓ All Voice of America DXer	For verification of 12 different VOA short wave transmitter sites.
✓ Maple Leaf DXer	For verification of 8 Canadian shortwave broadcasters of which RCI can be only one. The stations include CHU, CFRX, CKFX, CHNX, CKZU, CKZN, CFCX, and RCI, for a minimum.
Soviet Sphere DXer	For verification of one station in at least 10 Soviet Sphere broadcast countries in the Soviet Union. (Does not include stations in Poland, E. Germany, etc.)
✓ Master Soviet Sphere DXer	For verification of one station in 15 Soviet Sphere broadcast countries.

Ecclesiastic DXer	For verification of 15 religious oriented broadcast stations—any station that is owned or operated by a religious organization. (SW only)
Senior Ecclesiastic DXer	For verification of 25 religious oriented shortwave broadcast stations.
ORTF DXer	For verification of at least 7 of the stations that have been controlled by the ORTF, one in each of seven broadcast countries. (Includes Fr. Guyana, Martinique, France, Djibouti, Re-Union, Comoros, Tahiti, New Caledonia.)
Emissora Nacional DXer	For verification of at least one station in each of 6 broadcast countries that were Portuguese territories on 1 January 1974. Includes Port. Guinea, Azores, Sao Tome, Angola, Mozambique, Timor, Cape Verde, and Portugal.
Senior Indonesian DXer	For verification of at least one Indonesian station in each of the 7 Indonesian broadcast countries.
Master Indonesian DXer	For verification of at least one Indonesian station in 13 or more provinces or special districts, including one from each broadcast country.
Senior Subcontinental DXer	For verification of at least one Indian station in 5 of the Indian states or districts.
Master Subcontinental DXer	For verification of at least one Indian station in 10 of the Indian states or districts.
Senior Nigerian DXer	For verification of at least one station in each of the 4 Nigerian Regions and the Federal District at Lagos.
Master Nigerian DXer	For verification of 9 or more Nigerian transmitter sites.
Senior Ecuadorian DXer	For verification of at least one station in 12 or more of the Ecuadorian provinces.
Senior Brazilian DXer	For verification of at least one station in each of 20 of the Brazilian states and Federal Territories.
Senior Venezuelan DXer	For verification of at least one station in each of 15 Venezuelan states.
Senior British Commonwealth DXer	For verification of at least one station in each of 30 countries that are or have belonged to the British Commonwealth.
Master British Commonwealth DXer	For verification of at least one station in each of 40 countries that are or have belonged to the British Commonwealth.
Papua New Guinea DXer	For verification of at least 10 stations in areas controlled by Papua New Guinea.

Master Papua New Guinea DXer	For verification of at least 15 stations in areas controlled by Papua New Guinea.
Tropical Band DXer	For verification of at least one station in 50 countries located between the Tropics of Cancer and Capricorn, operating on Shortwave below 6000 KHz.
Senior Tropical Band DXer	Same as Tropical Band DXer, except the number of countries is increased to 75.
Arab World DXer	For verification of at least one station in each of 15 countries that use Arabic as the major (first or second most common) language.
Arab World DXPert	Same as Arab World DXer, except for 24 countries as the requirement.

DX CENTURY AWARDS

World Wide DXer	For verification of at least one station in each of 50 different broadcast countries.
DX Centurian	For verification of at least one station in each of 100 different broadcast countries.
Senior DX Centurian	For verification of at least one station in each of 150 different broadcast countries.
Master DX Centurian	For verification of at least one station in each of 200 different broadcast countries.

The certificates are suitable for framing and will make a nice addition to the listeners collection.

Applications for any of the awards are to be filed, with payment, direct with the awards chairman at the address listed below, and all applications must be complete for each award and clearly indicate the following:

1. Country name (see country list)
2. Station name
3. Date QSLed
4. Frequency confirmed
5. Type of QSL received (letter, card, etc.)
6. Verie signer (if available)
7. For QRP awards, the power must be given

The awards chairman reserves the right to request additional information or copies of individual QSLs at any time for "proof of verification". Also, if an award application is rejected, the applicant will receive his application back with the reason given and the money refunded (minus postage costs for returning the application).

All inquiries and questions on individual awards should be directed to the awards chairman:

JOHN M. KAPINOS
86 S. QUINSIGAMOND AVE.
SHREWSBURY, MA 01545

AP BID ITEMS: ITEM #700:WDBO T-Shirt(L)m/c-sharp!#701:MTV T-Shirt(L)m/c-beauty!#702:DC-101 T-Shirt(M)red,B&W.#703:MTV Sweat Shirt(M)m/c w/ gray,yellow-really nice!#704:CKUA "Jazz"metal badge(3.5"cir)purple,pink.#705:CKUA"Access"metal badge(2"cir)red,B&W.#706:CKUA"Kid"metal badge(2"cir)red,B&W.#707:CKUA"Access"key chain,red,silver.#708:Radio Hall-am(UK)metal badge(2"cir)m/c-nice!#709:Radio Orwell(UK)metal badge,blue,white.#710:Radio Orwell pen,B&W.#711:Radio Solent(UK)plastic badge(2"cir)blue,white.#712:Radio Leeds"Owl" plastic badge,red,white,blue.#713:CKUA large pencil,B&W.#714:CKUA pen,B&W-nice!#715:Radio Forth(Scotland)coaster(4x4")orange,B&W.#716:Radio Surplus(Italy)erotic sticker(2x8")m/c.#717:WUVA sticker(3x11")red,B&W.#718:KMET "Hat"m/c-beautiful!#719:RBI(DDR)large litter bag(11x17")m/c.#s 720-754 are bulletin collections...#720:SCDXC(Australia)19 different#82-83.#721:NZRDXL 1983 complete!#722:ODXA 1983 complete!#723:ASWLC 1980 complete!#724:IRCA 1983 complete!#725:IRCA 18 different 82.#726:LWCA 1983 complete!#727:IDXCSD 22 different 82-83.#728:NRC 1983 complete!#729:NRC 27 different 82.#730:ADXR 15 different 82-83.#731:VHF-UHF Digest 1972 8 different.#732:VHF-UHF 1982 9 different.#733:VHF-UHF 1977 9 different.#734:VHF-UHF 1973 complete!#735:VHF-UHF 1983 complete!#736:MVDXC 1983 13 different.#737:EDXC Newsletter 12 different issues.#738:WDXC 1983 complete!#739:LWCA 1982 10 different.#740:NNRC 1975 complete!#741:NNRC 1976 complete!#742:NNRC 1977 complete!#743:ASWLC 1983 complete!#744:ASWLC 19 different 78-82.#745:RCMA 1981 11 different.#746:ODXA 1982 8 different.#747:CIDXC 1982 10 different.#748:SPEEDX 1982 11 different.#749:SPEEDX 1978 11 different.#750:NASWA 1978 11 different.#751:NASWA 1977 complete!#752:NNRC 1979 7 different.#753:NNRC 1978 11 different.#754:NNRC 1971 7 different.#755:COCQ 8 different 82-83.#756:WEAN paper telephone pad(4x5.5")blue,white.#757:La Voz de Nicaragua cloth pennant (3.5x6.5")m/c-nice!#758:WPJB sticker(3.5x12")blue,B&W.#759:WCCM sticker(4x14.5")blue, white.#760:Deutsche Welle(FRG)pen,B&W.#761:WVWL(Virgin Islands)sticker(3.5x5")blue,white.#762:CARF sticker(2.5x6")blue,white.#763:CKXL "Rainbow"sticker(5x5")m/c-nice!#764:KWWR decal(3x7")white,pink.#765:Mercia Sound(UK)decal(3x15")red,white.#766:Mercia Sound key chain,red,white.#767:Radio Forth key chain,orange,B&W.#768:Radio Forth metal badge(1.5" cir),orange,B&W.#769:BERT(Belgium)plastic paper holder(3x6")blue,white.#770:Deutsche Welle cloth pennant w/o address(6x13")blue,white.#771:KAIM(Hawaii)sticker(4x7.5")blue,white.#772:Radio Liberaire(France)sticker(3.5x5")B&W.#773:South Coast Radio(Ireland)sticker (4x4")red,B&W.#774:WMS decal(5x5")m/c-beautiful!#775:Radio Korea sticker(3.5x5")m/c.#776:Radio Northland(New Zealand)sticker(4.5x6")yellow,B&W.#777:ORF(Austria)sticker in FR (3.5x5")red,B&W.#778:ADDX sticker(4"cir)blue,gold.#779:Swansea Sound(Wales)decal(4"cir) m/c.#780:RSI(Sweden)paper pennant(4x9")blue,yellow.#781:Radio Sweden cloth pennant(4x9") blue,yellow.#782:FEBC(Philippines)paper pennant(4x9.5")blue,red,B&W.#783:Radio Veritas (Philippines)paper pennant(3x5.5")red,blue,black.#784:Radio Casino(Costa Rica)cloth pennant(4x8")green,white.#785:Radio Peking"Mt. Village"paper pennant(5.5x11")m/c-nice!#786: Radio Peking"Great Wall w/ Bldg."cloth pennant(6x11")m/c-nice!#787:RBI(DDR)double sided cloth pennant(6x9.5")m/c.#788:RBI double sided cloth pennant(4.5x7.5")red,white,blue.#789 Deutsche Welle cloth pennant w/ address(new style)(6x13")blue,white.#790:WKOQ "98 Rock" hat,white-nice!#791:KBAM T-Shirt(M)m/c-very nice!#792:Viking Radio(UK)paper hat,red,white, blue-very colorful!#793:Viking Radio newspaper w/ very interesting photo inside!A must! #794:Viking Radio decal(2.5x20")red,white,blue.#795:Radio Medway(UK)pen,nice!#796:CKUA large litter bag,m/c-sharp looking!#797:CJAY plastic ID card,red,gray,black.#798:Radio Peking 3 different "Clay Sculpture" bookmarkers,m/c.#799:Radio Peking 3 different "Peking Opera" bookmarkers,m/c.#800:MTV "Rock" metal badge(1"cir)m/c.#801:WLLZ "Genesis"metal badge(1"cir)yellow,white.#802:WLLZ"Romantics"metal badge(1"cir)red,white.#803:WLLZ"Robert Plant"metal badge(1"cir)blue,white.#804:WLLZ"AC/DC"metal badge(1"cir)B&W.#805:MTV cloth sticker(4x4")m/c-nice!#806:Beacon Radio(UK)"West Midlands"sticker(4x8")m/c.#807:BBC Radio Bristol sticker(5"cir)red,white.#808:Radio Vatican QSL card(4x6")m/c.#809:BBC Radio Two decal(2x11")m/c.#810:BBC Radio One match book,m/c-nice!#811:RBI(DDR)cloth cap,blue,white.#812:BBC Radio Highlands(Scotland)sticker(2x10")m/c.#813:CFCN QSL card(4x6")m/c.#814:CFCN sticker(4x4")m/c-very nice!Hope this is a good selection for everyone!...Sam.

ADDRESS: Send your bids and orders for direct sale items to: Sam Barto, 47 Prospect Place, Bristol, CT, USA 06010.

DIRECT SALE ITEMS: The following stickers/decals are available for \$.25 each or any 5 for \$1.00... CKCK, Radio BBSI, RFI (red) (blue) (cir.), WAZU, CKRD, CFRA, KWK, Radio 210, Disco-99, RCI, ANARC, RNE, Amateur Radio, WDR (rock) (small), Radio Vatican (square) (semi-cir.), Radio 270, Rete Quattro, ORF, Metro Radio, KDKD, KPNW and WCFL.

ADDITIONAL DIRECT SALE ITEMS: The following items are available at the quoted prices: metal badges from WMMR, WLPX and WMET at \$.25 each; Radio Peking and RBI bookmarkers at \$.25 each; WMMR bookcovers at \$.25 each.

NASWA "UNITY AND FRIENDSHIP"

PUBLISHES FRENEX MONTHLY

NASWA MEMBERSHIP FEES:

First Class North America.....	\$16
Overseas, Surface Mail.....	\$16
Airmail to Central America, Caribbean, South America, Europe.....	\$25
Airmail to Asia, Africa, Pacific.....	\$28

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