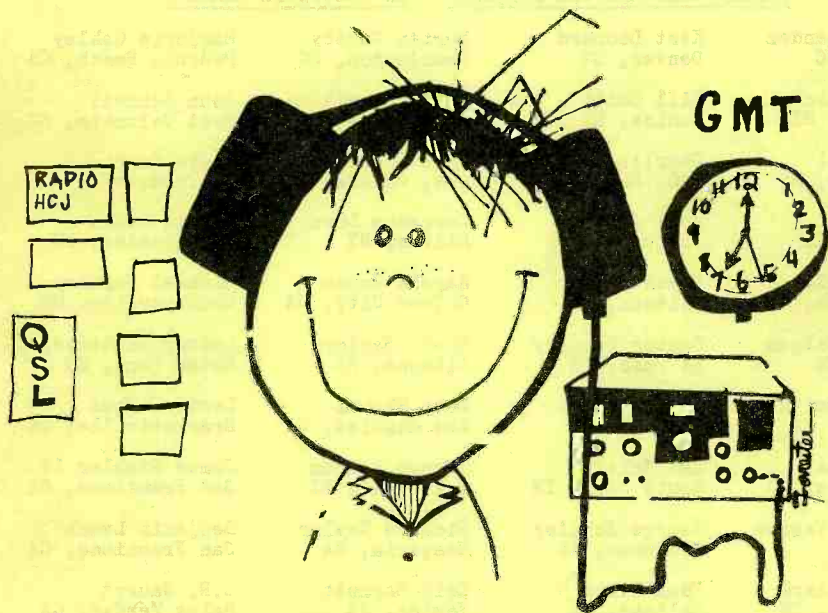


SPEEDX

"THE DX RADIO MAGAZINE FOR ACTIVE SHORTWAVE LISTENERS"



HAPPINESS IS DXING WITH
SPEEDX

SEPTEMBER 1978

Vol. VIII No. IX



KEYNOTES



Editor: OLIVER ELLSWORTH
2043 West 75th Street, Los Angeles, California 90047

CONGRATULATIONS TO 9 NEW FULL MEMBERS

J. C. DEVENDORF LAGUNA NIGUEL, CA	DONALD HRIVNAK PEORIA, IL	STEVE MILLER VISTA, CA	PHILLIP MOODY ITALY
JOE POTACZAK CHICAGO, IL	WALTER PYNE HAGERSTOWN, MD	GARY RAKOW E. BRUNSWICK, NJ	HOWARD SCHWARTZ PHILADELPHIA, PA
JOHN SULAK TROY, NY			

Certificates of Full Membership and a copy of the SPEEDX Constitution are being mailed concurrently herewith to each of the above new members.

SPEEDX WELCOMES THE FOLLOWING NEW ASSOCIATE MEMBERS

Herb Hernandez Taylor, SC	Kent Leonard Denver, CO	Martin Causby Charleston, SC	Marjorie Oakley Redondo Beach, CA
Kenneth Zichi Bay City, MI	Bill Smith Eunice, LA	Kevin Mikell Park Ridge, IL	John Schnell West Columbia, SC
John Kegel Baltimore, MD	Charles Boyd APO, New York	John Roestad Ont, Canada	Denis Gagon Bedford, NH
Iam Grant Ont, Canada	Phil Jose Ferguson, MO	Lawrence Lorz Hilton, NY	Thomas Quinn Chillicothe, OH
Richard Allison Portsmouth, OH	Brent Bowles Deltona, FL	Harold Rouss Culver City, CA	Michael Hartley Cockeysville, MD
Richard Colgan Austin, TX	Baxter Hensley El Paso, TX	Brett Saylor Altoona, PA	Lester Whittaker Estes Park, CO
William Smith Uxbridge, MA	Chris Knight Pueblo, CO	Pete Mhunzi Los Angeles, CA	Lewis Forbes Brackettville, TX
John Russel Santa Ynes, CA	Leo Zelasko South Bend, IN	Joseph Leeman Wakefield, RI	James Stabler II San Francisco, CA
Yasuhara Tanabe Japan	George Schuler Montrose, AL	Richard Taylor Hesperia, CA	Benjamin Lynch San Francisco, CA
Kenneth Clark Knoxville, TN	Paul Blair Salinas, CA	Eric Barrett Yakima, WA	C.R. Nauert Palos Verdes, CA
Charles Boehnke Los Gatos, CA	Guy Gilley Manchester, TN	Ayaafumi Taniji Japan	Olga Lowenkron Los Angeles, CA
James Waxon San Diego, CA	Robert Anderson Durham, CT	Michael Wiley Northridge, CA	Alfred Rosinski Bedford, MA
Richard Scheid Martinez, CA	James Olson Sacramento, CA	Fernando Henriquez Rep of Panama	

We are glad that you have joined SPEEDX, the club for active shortwave listeners. We urge you to support the various sections by sharing your DX catches. Send your technical questions and tech items to the technical editor, feature articles to Tips & Topics editor and program information to Woody Seymour for the Program Panorama column.

Our Central Distribution Editor is Bob Zilmer, P.O. Box 597, Milwaukee, WI 53201. His deadline is the 10th of the month. The CDE is our postage saving editor. When late however mail directly to the respective editors.

BOSTON AREA DXERS TO MEET IN BURLINGTON

The BAD GUYS will meet at the home of Peter Schipelliti, 31 Beaverbrook Road, Burlington, Mass. 01803. The date of September 24th, 1978, at 1 PM. Due to the increasing costs of food and drink, the BAD GUYS are asking for a \$2.50 contribution. If you wish to bring an equivalent \$ amount in food, please contact Peter at 272-3142, he will advise as to what to bring. For directions, contact Peter at 272-3142 or Chris Lobdell at 321-6698. Peter and Chris, will try and arrange transportation for those that wish to attend but have no wheels. Drop Pete a card letting him know of your plans to attend. Take your rare QSLs and other DX related items.

SPEEDX encourages these get-togethers. They are fun, educational and enhances the hobby, let me know (Oliver Ellsworth) of your Fun-Fest plans, I will publish them for you.

WASHINGTON DC AREA GET-TOGETHER

SPEEDXER Arlene Luskin etal would like to form a group of DXers in the Washington DC area similar to the BAD GUYS group. Those interested should contact Arlene Luskin, 606 Forest Glen Road, Silver Springs, MD 20901. Arlene may be reached at 593-4411 after 7:00 PM EDT. Here is your chance to meet SPEEDXer George Jacobs and others from VOA.

HONOLULU AREA DX FUN FESTS

David A. Norcross, 775 Kinalau # 1906, Honolulu, HI 96813. would like to see a group of Islanders get together and exchange ideas. Dave, we have a number of members in Honolulu, I am sure a group will soon be formed on the Island.

LOST STRAYED OR STOLEN

Josephine and James Bryan, 6841 Herndon Place, Stockton, CA 95209, reports the following as being stolen: Drake SPR-4, loaded, serial # 4248; FRG-7, serial # 6J060562; Kenwood model R-300, serial # 520097; Realistic cassette w/auto stop & cue review, CTR-33, serial # 20722311. Anyone purchasing used electronic equipment in and around the Stockton area may check out these serial numbers.

The following rigs are also reported missing by their owners in August: Ashabraner, a Philco; DeKoyer, A Hallicrafter S-20R; Trueblood, A FRG-7 and Watanabe, a RF-2200.

PENNANT COLLECTORS' GUIDE

The 7th PCG has recently been published by the Ontario DX Association, 1910-1202 York Mills Road, Don Mills, Ontario, Canada M3A 1Y2. Cost is 50¢ U.S. or Canadian dollars or 2 IRCs. You would be surprised at how many countries issue pennants. Harold Sellers makes a good suggestion: Do not demand a pennant as it is a gift from the station, a sign of friendship.

DX PROGRAM GUIDE

SPEEDX is looking for someone to volunteer in the preparation of a DX program guide, to be published twice a year in Tips and Topics. I think our last DX guide appeared in the June 1976 issue, prepared by Joseph Smith. It's been much too long since such a page has appeared in SPEEDX. Contact Art Getzel, editor of Tips & Topics for particulars.

DSWCI TROPICAL BANDS SURVEY

The 6th edition of the well known DSWCI Tropical Bands Survey is now available. The 28 page offset printed booklet lists all active broadcasting stations in the 2000-5900 kHz range by frequency and transmission times. It is compiled by Anker Peterson depending upon monitoring information from DXers all over the world.

The TBS is available for 5 IRCs via surface mail, or 8 IRCs for airmail. Order from The Danish Shortwave Clubs International, DK-2670 Greve Strand Denmark.

USSR HIGH FREQUENCY BROADCAST LETTER \$3.00 for 12 issues, Roger Legge, Box 232, McLean, VA 22101.

❧ ASSOCIATION OF ❧

NORTH AMERICAN RADIO CLUBS

OFFICE OF THE EXECUTIVE SECRETARY
557 North Madison Avenue
Pasadena, California 91101 - U.S.A.
(213) 793-0769

A N A R C NEWSLETTER VOLUME XIV SUBSCRIPTIONS: IN NORTH
JULY - AUGUST, 1978 NUMBERS VI & VII AMERICA: \$3.50 PER YEAR

ANARC 1978 IS RATED AN OUTSTANDING SUCCESS

ANARC 1978 broke all records in the 44-year history of the Association of North American Radio Clubs; in attendance, in programming, in the donations to the Handicapped Aid Program (HAP), in participation by DXers outside of North America, by women DXers, and by many DXers in Canada and U.S. representing SW, MW, LW, PS, UT and FM/TV. They all met in friendship and good fellowship, proving that in Unity there is indeed strength!

Special commendations are due to Ian McFarland, Convention Chairman; to Alan Brown, Director, Radio Canada International; and to the DX Digest, for their sincere support, energetic dedication and administrative leadership - in making ANARC 1978, held at Maison du Radio Canada, Montreal, Quebec, Canada, from July 14 to 16, 1978, a success!

THE FACTS: 125 DXers attended, including 10 wives and children. DXers from New Brunswick to California, in Canada and the U.S.A. were present, plus five DXers from Sweden (2), Spain, France and Trinidad.

In a fantastic HAP Auction which brought soaring prices, the Handicapped Aid Program grossed (and netted) \$1200.

ANARC 1978 was an "all-wave convention. Separate programs targeted the special interests of mediumwave, shortwave, utility, FM-TV, and French-speaking DXers. The tours and field trips were technically Tops! Everyone got more than their money's worth at ANARC 1978. It was Great!

ADVANCE ACTIVITIES. Jeff White, Assistant Convention Chairman, Kevin Mikell, both of ANARC 1977 fame, and Dave Browne, ANARC Executive Secretary, arrived Wednesday, July 12, to assist Ian McFarland, Convention Chairman, in setting up the many convention displays and room arrangements. The 22-story Maison du Radio Canada, radio and television facilities are among the most spacious and modern in all of North America. Upon their airport arrivals, we had the pleasure of meeting "early-birds" Arne Skoog, Radio Sweden; and Ambrosio Wang An-Po, Spanish National Radio.

FRIDAY, JULY 14. Convention registration for the three day meeting was under the able administrative leadership of John Garner, President, Canadian SWL International, Thunder Bay, Ontario.

Those attending were free, during the day, to tour the facilities of Maison du Radio Canada, examine equipment displays, purchase HAP tapes, get data on ANARC Member and Associate Clubs, and cram their pockets and purses with "freebies" from radio stations and clubs. We counted 15 large display tables filled with "DX Goodies." A real "Field Day."

EVENING RECEPTION. Radio Canada International sponsored a delightful reception at which wine, cheese and hors D'oeuvres were abundant. Members of the English and French RCI programs, and especially Alan Brown, Director, RCI, were introduced. It was a pleasure to meet, in person, all those whom many knew only through letters, DX club bulletins, or radio programs, on such a festive occasion.

ALL ANARC CLUBS were represented at the Convention except the University of Manitoba DX Club and the Universal World Radio DX Club. Delegates of ANARC Clubs met for sessions in both afternoon and late evening to vote for, and elect ANARC DXer of the Year awards.

SATELLITE DEMONSTRATION. A live demonstration of direct, Satellite-to-home television broadcasting (for the first time in Canada) via the Canadian experimental satellite "Hermes" was featured in group sessions both in the afternoon and after the evening's Reception. Excellent!

SATURDAY, JULY 15. DX Workshop sessions opened the morning's activities (too early for some after those DX sessions on the roof of Hotel Sherbourg). Those attending divided into three groups, shortwave, medium-wave, and French language which were well-attended open forums.

Following the workshops, Frankie Gittens, Port of Spain, Trinidad, outlined DXing in the Caribbean. Trinidad has one TV and two MW stations, government owned, and one commercial MW station. Trinidad has no SW station.

New Brunswick's Alfred Thornton, well-known to all who have attended past ANARC gatherings, gave the background on his Cable 7 TV shortwave program, "The World at Your Finger Tips." This is the only SW program on Canadian television. Each weekly program is 28½ minutes in length.

Kim Andrew Elliott, University of Minnesota, discussed data from his extensive NASWA survey on shortwave listening which has gained wide acclaim. He said shortwave listening is a very personal, individualized hobby. DXers are widely scattered, hence there are more area or national meetings than purely local meetings.

Arne Skoog, soon to retire from Radio Sweden, after championing DXing on his weekly programs, presented slides with views of Radio Sweden.

Just before noon, Denis Casey, supervisor of Radio Canada's Monitoring Station, near Ottawa, conducted a very informative discussion and live-wire question and answer period on all phases of radio monitoring.

Sony and Panasonic officials displayed their latest equipment. Then, Dan Robinson, Washington, D.C., Kim Andrew Elliott, Minneapolis, MN, and Guy Marcotte, Quebec, representing French-speaking DXers, ably summarized the morning's activities, to close the afternoon sessions.

Saturday evening, is traditionally reserved for the ANARC awards banquet, at which Dave Browne, Executive Secretary, presided. The Handicapped Aid Program award for outstanding service to HAP was presented to Ian McFarland, Convention host. The RCI "DX Digest" impresario was also chosen as the "North American DXer of the Year." The "International DXer of the Year" award was gained by Arne Skoog, for his weekly "Sweden Calling DXers" program on Radio Sweden. Special recognition was given by all DXers to Mrs. Mildred "Grandma" Greene, of Bell, CA, for the help she has given to other DXers and our hobby for the past 25 years. "Grandma" was cited with the "Humanitarian Service Award."

KEYNOTE SPEAKER at the Awards Banquet was George Davies, Director, Space Communications Program Office, Department of Communications, Ottawa, Canada. His timely topic was Canada's participation in the satellite research and development and outer space programs which produced many questions from the audience and answers from the speaker. At the post banquet drawing for door prizes, Greg Ravenhorst, Minnesota DX Club, gained a new portable shortwave receiver.

SUNDAY, JULY 16. A large early morning attendance greeted Dr. David Meisel, Greenbelt, MD, at 9 AM, as he spoke authoritatively on "Sunspots - How Strong a Comeback?" A lively question and answer period followed his technical talk which captured his audience's attention.

OPEN FORUM REPORTS followed with speakers: 1) Constance Wasserman, Brooklyn, N. Y. "NNRC's 50 Years of Achievements". (Mrs. Wasserman is Secretary of the Newark News Radio Club); 2) Roger Legge, McLean, VA., "WARC 1979." (Roger is an accredited member of the Federal Communications Commission's WARC 1979 International Broadcast Service Group); 3) Kim Andrew Elliott, Minneapolis, MN, gave additional information on WARC 1979 and program content on shortwave listening; 4) Glen Hauser, WUOT, Knoxville, TN, "R.I.B and the DX Digest."; 5) Denis Beaugerard, DX Quebecois (DX Club of Quebec), and 6) Guy Marcotte, Club Ondes Courtes du Quebec (Shortwave Club of Quebec), both reported on the increasing interest in French-speaking DX Clubs and programs worldwide; 7) Alfred Thornton, Cable 7 TV, New Brunswick, presented a videotape of one of his weekly DX Programs; 8) Dan Robinson, Washington, D.C. gave thoughtful comments for consideration by DXers.

ANNUAL ANARC BUSINESS MEETING. After lunch, Dave Browne gave his Executive Secretary's Report, followed by ANARC Committee Reports. Robert Zilmer, on behalf of the Frequency Recommendation Committee; then reports of the QSL Committee and the Public Relations Committee were read, and Jeff White summarized the activities of the special International Broadcasters Year Committee. The ANARC 1979 Convention was discussed and considerable interest was shown in potential bids. ANARC Committee Chairmen for 1978-79 were confirmed and a goodly number of attendees volunteered to serve on ANARC Committees which is a healthy sign.

HAP AUCTION (Kindly back-track a bit). An amazing, action-packed HAP benefit was held before lunch. Excellent prizes were realized. Auctioneer Ian McFarland, assisted by his son, Jeff White and Kevin Mikell, kept the interest high in bidding for a wide array of equipment, pennants, patches, tapes and publications. A total of \$1200 in cash was amassed. Wayne Davis, Director of the Handicapped Aid Program, expressed his gratitude for outpouring of sincerity on behalf of handicapped DXers.

INTERNATIONAL BROADCASTERS FORUM. The final "Piece d' Resistance" on the star-studded convention program, was the appearance of Arne Skoog, Radio Sweden, Ambrosio Wang An-Po, Chief of the DX Section, Spanish National Radio, RTVE; Paul Modic, Program Manager, Voice of America; and Ian McFarland, Radio Canada International; as panelists discussing their shortwave station's programs and policies, comments on DXing and the future of shortwave broadcasting. Their comments were affirmative.

A standing ovation was given to: 1) Ian McFarland and Radio Canada International for the outstanding convention; 2) Arne Skoog, Ambrosio Wang An-Po, Paul Modic, and Ian McFarland, for their generous participation in convention programs. ANARC 1978 was adjourned at 2200 GMT (5 p.m. EDT) as many old-time, and newly found, friends, greeted each other with "See you next year at ANARC 1979." And so it will be!

MONDAY, JULY 17. A full bus-load (about 45 persons) stayed over to enjoy the special post convention, day-long, bus trip to Ottawa where memorable visits were made to: 1) The Satellite Receiving Station operated by the Canadian Communications Research Centre, Department of Communications; 2) Radio Canada's Monitoring Station; 3) Have lunch at McDonald's, (so our overseas guests could see a "fast food operation.")

A few registrants stayed over to do a bit of sightseeing. The last of the "out of town" DXers left Montreal, Wednesday, July 19, after a full week of activities - day and night. Montreal is a delightful City and Ian McFarland is a Great Host! Thank you, Ian and R.C.I.!

AMONG THE REGISTRANTS. A complete list is now being compiled by Ian McFarland and will be available soon to those attending ANARC 1978. We can't mention everybody. In addition to those already mentioned, attending were: Goran Eriksson, Lindinge, Sweden (Representing the Swedish DX Alliance), Don Johnson, President, SPEEDX; Oliver Ellsworth, Editor, SPEEDX; Harold T. Sellers, President, Ontario DX Association; David Snyder, President, Brooklyn DX Club; John Trautschold, SPEEDX Report; Ken Stryker, ANARC Representative, Longwave Club of America; Larry Nebron, International Radio Club of America; Kenneth Chatterton, National Radio Club; Guy Marcotte, President, Club Ondes Courtes du Quebec; Denis Beauregard and Andre Pineault, Club DX Quebecois; Arlene Luskin, Greater Washington, D.C. area; Constance Wasserman, Secretary and ANARC Representative, Newark News Radio Club; and Diane Levesque, FRENEX -NASWA columnist. Two DXers present, Don Erickson, Riverside, CA. and Rich Eddie, St. Louis, MO, will be attending all major DX conventions this summer. (Lucky Fellows!)

ANARC BUSINESS MEETING: Committee and other reports will be published in the next issue of the ANARC Newsletter, later this month.

ANARC COMMITTEES NAMED FOR 1978-79

ANARC FREQUENCY RECOMMENDATION COMMITTEE: Richard Varron, N.J., was re-elected Chairman. He is assisted by Group Leaders Mike Agner, N.J., Ken Earhart, PA, Robert Zillmer, WI, and Pete Grenier, CA., plus members of their group committees. For information, contact: Richard Varron, 55 Eleron Place, Wayne, N. J., 07470.

ANARC PUBLIC RELATIONS COMMITTEE: Jeff White, IL, has been elected as the new PR Chairman. Committee Members are: Ken Eaton, Milwaukee, WI, Don Johnson, Elsinore, CA, David B. Weiner, Philadelphia, PA, John Kegel, Baltimore, MD, and Norman Hill, Fairfax, VA. Volunteers in MW, PSB and LW are need to serve on this committee. Write Jeff White, 409 Laconia Lane, Schaumburg, IL 60193.

ANARC QSL COMMITTEE: Edward J. Pyatt, PA., has been re-elected Chairman. If you are interested in serving on this Committee, write to: Edward J. Pyatt, Apt. 202, West, 1200 Columbia Ave., Philadelphia, PA 19122.

ANARC -79, INTERNATIONAL BROADCAST SERVICE GROUP, FEDERAL COMMUNICATIONS COMMISSION: Lawrence W. Magne, 15 North Central Ave., Rockledge, PA 19111, ANARC Representative. Roger Legge, P.O. Box 232, McLean, VA, 22101, Alternate ANARC Representative.

ANARC BROADCASTERS LIAISON COMMITTEE. Ian McFarland was elected as Chairman of this new Committee authorized at ANARC 1978. Purpose is to be the ANARC "Contact" with international and domestic radio broadcasters. For information, contact Ian McFarland, 6 Coolbreeze Avenue, Pointe Claire, Quebec, Canada H6S 5G4.

ANARC DX EQUIPMENT LIAISON COMMITTEE. Larry McKinney, PA, has volunteered to be Chairman of this Committee, whose name was changed at ANARC 1977 from "Manufacturers Liaison Committee". Its scope covers correlation of data on DX receivers and equipment of interest to DX Clubs, including SW, MW, TV-FM, PS and LW. This is a BIG job! Larry is going to need Lots of Help! Volunteers are needed! Data on DX receivers, old and new, will be welcomed. Write: Larry McKinney, 424 Grant Road, Adamstown, PA 19502.

ANARC CONVENTION BIDS FOR 1979 ARE NOW OPEN. We are delighted with the "Indications of Interest" shown by potential bidders during discussions looking forward to ANARC 1979, in the summer months. Local groups, regional federations, or ANARC Clubs, interested in bidding, should send a written "Intent Letter", indicating proposed location (City), and any other pertinent details, to: Dave Browne, ANARC Executive Secretary, 557 North Madison Ave., Pasadena, CA 91101, by October 1, 1978. He will then send a Convention Form to be filled out and returned. We anticipate an attendance of at least 100 DXers (or more) at ANARC 1979. We would like to mail ballots to ANARC Representatives for their vote by late December, 1978, in accord with the ANARC Constitution & Bylaws.

NEW ANARC REPRESENTATIVES: CANADIAN INTERNATIONAL DX RADIO CLUB:

Rob Harrington, 3181 South York St., Englewood, CO 80110, replacing Brian Pimblett. LONGWAVE CLUB OF AMERICA: W. R. McIntosh, Box 33188, Granada Hills, CA 91344, Ken Stryker, 4452 North Kimball Ave., Chicago, IL 60625, Albert H. Ellis, 19 McClure Ave., Brantford, Ontario, N3R 4L7 Canada. (initial appointment). A revised list of ANARC Club Representatives will be published in a "special" ANARC Newsletter in late August, which also will contain some of the reports and talks given at ANARC 1978.

ANARC EXECUTIVE SECRETARY. The present Executive Secretary's term, expires October 20, 1978. In addition to directing the management and administration, and answering all the correspondence, Dave Browne also is editor and publisher of the Newsletter and personally does all the addressing of labels, and affixing labels and stamps on 225 envelopes per month. The Executive Secretary needs help and assistance.

Therefore, it is recommended that a Newsletter Publisher be named. Wayne A. Davis, Chairman of HAP, has volunteered to become Publisher. Editorial help is also needed, especially typing of the Newsletter and address labels. Dave Browne would be willing to continue as Executive Secretary, IF his services are desired, to handle management and administrative duties.

Nominations are now open for ANARC Executive Secretary from ANARC Club Representatives (Article IV, ANARC Constitution) for the two-year term commencing October 20, 1978. All nominations of qualified candidates should be sent to ANARC, 557 North Madison Ave., Pasadena, CA 91101, as soon as possible, so that a ballot may be sent to ANARC Club Representatives for their vote.

ANARC ANNUAL AWARDS It is proposed that four ANARC awards be presented annually at our convention, 1) ANARC North American DXer of the Year; 2) ANARC International DXer of the Year; 3) ANARC Broadcaster of the Year; and 4) HAP Achievement Award. Your comments and opinions are welcome.

WASHINGTON, D.C., MARYLAND, VIRGINIA AREA DXERS TO ORGANIZE

If you live in the above area, including Delaware, contact Arlene Luskin, 606 Forest Glen Road, Silver Springs, MD 20901, or telephone her at (301) 593-4411, after 0000 GMT (7 PM EDST). Arlene, and Dan Robinson, Washington, D.C., are headlining the organization of a regional DXers federation. Contact Arlene Luskin "soonest possible" so that arrangement can be made for the initial "DX Get-Together," to which all DXers are invited. Mention ANARC.

SAN DIEGO DXERS CLUB FORMING. Larry Brookwell, 1826 Cypress, San Diego, CA 92153, is recruiting area DXers to form an All-Wave San Diego DXers Club. No membership fee and a monthly bulletin will be available for a large, business size, SASE. All DXers should contact Larry. Mention ANARC.

PROGRAM

SEPTEMBER 1978

WOODY SEYMOUR, JR.
P. O. BOX 848
SANFORD, NC 27330

PANORAMA

GREAT BRITAIN...BBC World Service has planned some excellent programming for September...A new series of radio adaptations of the popular Sherlock Holmes stories by Sir Arthur Conan Doyle begins this month. Barry Foster is in the title role, while David Buck is Dr. Watson. The first story scheduled is "The Red-Headed League" on September 18 at 1130 GMT, repeated on the 19th at 1615 and on the 22nd at 2330. The following week, "The Musgrave Ritual" can be heard at the same times. The series will extend for 13 weeks...Magical Mystery Tour is the name of a new series hosted by Tommy Vance (the former host of Pop Club) focusing on the decade of the 1960's. Much of the music of the period will be presented. According to the BBC, the series "wallows unashamedly in the atmosphere of the decade, a bit of musical nostalgia that you don't have to be very old to share." Listen Sundays 2115 GMT, Wednesdays @ 1030 and Fridays @ 1430...Many Reasons Why explores the war in Vietnam in detail. The nine week series begins on September 11 and can be heard Mondays @ 0100 and 0945 GMT and Thursdays at 1345...The Day The Oil Dried Up is an intriguing title for a program to be heard September 26 @ 1430 GMT, the 28th @ 0330 and the 29th @ 2030. It is a fairly light-hearted look at how people might face this crisis...Look Ahead previews programs for the day daily @ 0940, Monday-Friday @ 1945 and for the week Sunday @ 1640, Monday @ 1125...Don't Miss is a personal choice of programs for October over the World Service by BBC announcer. Tune in September 29 @ 1415, 30th @ 2315 and October 1 @ 0515, 2100...The Promenade Concerts conclude this month with concerts in most of the time slots listed in last month's "Program Panorama". Try Saturdays @ 0030 GMT, Sundays @ 1515 and Tuesdays @ 1215 GMT...All dates and times mentioned are GMT. (All of the above info is from the September 1978 issue of London Calling)...Follow the dollar's decline or rise on the Financial News, Mondays-Fridays @ 2225 GMT and Tuesdays-Saturdays @ 0445 and 0930 (Dan Brame, Northbrook, IL).



HOLLAND...Radio Nederland has the following English programs scheduled: Newsline (daily except Sunday) followed by: Monday--The Monday Programme; Tuesday--His and Hers; Wednesday--Studio Six (rotating 4-week series of one type of music) and Letterbox; OR The World of Science and Commitment (not the aftermath of listening to His and Hers, but a program on Holland in world affairs); Thursday--DX Jukebox, with Dutch by Radio taking a portion of the time every two weeks; Friday--The Work and People Programme (Dutch industry and business) and Focus (a documentary series); Saturday--On Cloud No. 9 (a "higher" version of Parson's Penthouse with interviews), Stamp Corner; OR Triple "S" (popular music) and a repeat of Dutch by Radio. Sunday--what else but Happy Station with host Tom Meyer. (Michele Wampler, VA, Dan Brame, IL and direct)

ISRAEL...Israel Broadcasting Authority has the following schedule of programs: Each broadcast opens with ten minutes of news, reports and commentary on Israel, the Jewish world and the Middle East. This is followed by the regular features: Monday--Voices From Israel (magazine program); Tuesday--Israel Hit Parade (songs old and new with Avi Etgar); Wednesday--Voices From Israel; Thursday--Round and About (feature program); Friday--Thank Goodness It's Friday and News from the Jewish World; Saturday--This Week (a review of the week's main events); Sunday--Calling All Listeners with the DX Corner. Write to: IBA, P.O. Box 1082, Jerusalem, Israel. (Scott Snyder, NY)

JOTTINGS...All dates and times are in GMT in "Program Panorama"...Frequencies will not be given often--readers can find this information in other SPEEDX columns or in the WRIVH. You are encouraged to get on mailing lists for the program schedules of your favorite stations. (see article in the July 1978 SPEEDX, page 7). This is the best way to receive fast information on program changes.

NORWAY...(Matthew Brown, Mequon, WI):"Every time we pick up a DX bulletin, we read of only the major shortwave stations. I feel that sometimes the lesser known stations are more worthwhile listening than the larger broadcasting stations. One station that falls into the lesser known category is Radio Norway. Heard in English only one day a week(Sunday), the station still provides interesting and worthwhile programming. Norway This Week is the name of Radio Norway's thirty minute weekly English program. At the start of the program, there is an excellent review of the top news stories of the past week. There is some world news, but the main focus is on the major news happenings of Norway in the past week. The newscast is complete with tapes from correspondents giving specialized reports on major world or Norwegian news events. Following the newscast is a feature program that should be the envy of other stations. It gives the listener a picture of what Norway is like. One week you may be going through the regular workday of a Norwegian factory worker; the next week the feature may focus on the Lapps of the Far North. There are features that deal with Norwegian music, agriculture, life-style, or even sports. I feel that this program ranks right up there with the major shortwave stations' programming. Norway This Week is one of my favorite programs, so why don't you give it a chance to be one of your favorite programs!"



(Woody Seymour, Jr., NC) Thanks to Matthew for that informative and interesting feature. It is my hope that more SPEEDXers will contribute similar features to "Program Panorama". What's your favorite program and why? Let us know! Moving on, I'd like to express my agreement with Matthew's comments. Radio Norway makes the most of its thirty minutes for English each week. It is one station that has an occasional surprise ending to a feature. A memorable case in point occurred on the July 9, 1978 program. A feature on divorce in Norway was being presented. Plenty of facts were being thrown out, including the news that divorces had doubled in the country in the past 5 years! Also, the divorce rate in Norway is only half that of neighboring Sweden. Then the announcer ended her story by concluding that the divorce rate would probably not increase much in the future. The reason-- fewer couples in Norway are deciding to get married! For times and frequencies of Norway This Week, consult the Europe or Station Skeds columns of this month's SPEEDX. Tune in and enjoy!

PHILIPPINES...Radio Veritas Asia has the following English programs scheduled: Viewpoint(covering the major news story of the week) on Saturdays; Heritage(indicating main roots of Asian culture) on Tuesdays; The Asian Achievers(in science) on Fridays. Try Radio Veritas at 1400 GMT on reported 9590, 11955 and 15150. The frequencies may have changed this month. Programs are also subject to change.(B. Miller-CA)

SRI LANKA...SLBC has a Buddhist religious program on Tuesday and/or Wednesday at 1115-1130 GMT. At the same time Thursdays, a Christian evangelical program is heard. Reported frequency--11835. (MacCollum-IN)

USA...The VOA has a new program on Saturday, Weekend. It's a fast-paced survey of what's happening around the world and the USA. Try Saturday @ 1300 GMT, 1700 and 2100 or Sunday @ 0100 GMT(to Americas) for an excellent new show. (direct)...AFRTS now has a new program schedule available, free for the asking. (Phill Moody-ITALY)

USSR...Radio Moscow's North American Service has the following programs scheduled: Moscow Review @ 0030 and 0230 GMT daily; Monday--Spotlight on Sports @ 0015 and 0215, and Greetings From Moscow @ 0020 and 0220; What is Communism can be heard Tuesday and Friday @ 0015 & 0215; Wednesday--Soviet Way of Life @ 2315, 0115 & 0315; also, Music at Your Request @ 0015 & 0215 and Round the Soviet Union @ 2345, 0145 & 0345; Thursday--Science and Engineering @ 0015 & 0215; Saturday--DX Program @ 2340, 0140 & 0340; Sat. & Sun.--Moscow Mailbag @ 0015 & 0215; Thinking Out Loud Sundays @ 2310, 0110 & 0310. Days are USA time, Hours are in GMT. For Pacific Coast Service, add 4½ hours to program time. (R. Fraser-MA and S. Snyder-NY) 73!





TECHNICAL TOPICS

Editor

SANDY BLAIZE

AVC	?	SSB
AGC		LSB
GAIN		FADE
TUNER		NOISE
IMAGE		S-meter

Send Technical Questions & Technical Material To: ➡

E. V. "SANDY" BLAIZE
417 RIDGEWOOD DRIVE
METAIRIE LA 70001

NEW EQUIPMENT-- GRUNDIG KVV-1000 Auto Converter.....

Every now and then a piece of gear comes along that excites me. Mostly it turns out to be something simple. This time it's the KVV-1000! What is a "converter" you ask? Well, you might say the front end or beginning of a receiver. This is an attachment to your regular car radio, which "converts" it into a shortwave receiver. The auto set being used as a "tunable I.F. amplifier. How do you find out what frequency you are listening to? Mostly by "fishing around"! It sounds crude by present day standards, but once you establish a "check point" on each band like BBC-6175, BBC-9510, WWV-15000 etc., it is quite easy to construct a calibration chart that is fairly accurate. Each 0.1 Mhz. of the MW band being .1 Mhz. of the shortwave band. Viz: Say on 16 meters 17.8 Mhz. falls on 1.0 Mhz. of the radio dial. Then 1.1 Mhz=17.7, 1.2 Mhz.=17.6 etc....With this converter as the car radio frequency is DECREASED the shortwave frequency received INCREASES. Coverage of this unit is 90, 75, 60, 49, 41, 31, 25, 19, 16 and 13 meter bands.

Connection is VERY SIMPLE! Unplug car antenna from car set, plug converter cable into car radio, plug car antenna into converter. Connect up 12 volt line to converter (Not from your dimmer control dummy!) Push appropriate band pushbutton on converter and PRESTO! Instant shortwave! Slight adjustment of the car radio is needed but only ONE control. This is easily done yourself.

Performance of the unit depends an awful lot on the car radio itself, since it will determine selectivity, and to a large degree, sensitivity. Measurement is somewhat difficult, but my guess is in the 3-5 microvolt region. This isn't SUPER sensitivity, but adequate, I find for the usual SWing one might do while driving along. If it was greater, ignition noise would be a problem as well as poorer image rejection. It works fine on my Delco set in my Chevy NOVA. Image rejection, sometimes very poor in a "converter" was found to be excellent! Also no objectionable "break-thru" of local MW BC stations was experienced unless I was VERY close to the local transmitter. We have a couple of 50 Kw. stations locally and they don't bother me.

Frequency stability is excellent although no crystals are used. I recommend the installation of a "whip" auto antenna if you have the variety built into the windshield. These are lousy antennas for SW reception.

I have found that I can sometimes fish out Radio RSA's "sandwich station" on 9585 in the afternoon at times. BBC on 9580 and 9590 being the two pieces of "bread"! This is pretty good performance for this combination.

Anyway, this beats listening to the local rock-n-roll or whatever! My tape player has been idle since I got my converter. Also I might add; it has slowed me down on the highway, as when I'm listening to shortwave, OFF goes the CB set (My "Smokey" advisor!)

This converter is available from: Radios International, P. O. Box 6053, Richardson, Texas., 75080. Price:\$119.95 postpaid.

Comment: Many thanks to all of you who have written with YOUR comments. I appreciate the mail and suggestions. If YOU have any specific wants that have not appeared in SPEEDX relative to something "technical" please write and let this Editor know. I hope to keep you all as informed as possible to new items and developments etc.

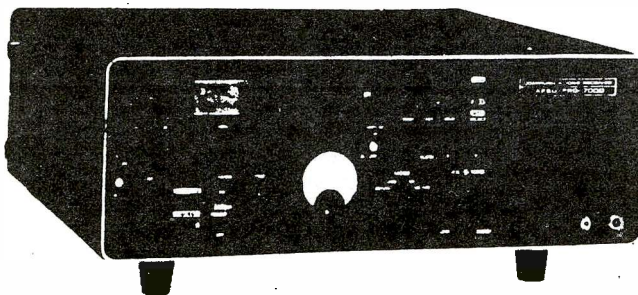
Until next month.....Best of listening to you all!!

73....

"Sandy"

FRG - 7000

YAESU ELECTRONIC CORPORATION
P.O. BOX 498,
PARAMOUNT, CALIFORNIA 90723



The FRG-7000 is the same, performance-wise, as the popular FRG-7. It has the added digital readout and a fancy clock. Discount price is under \$550. Like the FRG-7, this set needs a bit of help in selectivity. If one does not mind the 'barnyard brown' color and the Christmas tree effect of the multi-colored controls, this might be just the set you are looking for.

Contact your local Yaesu dealer for a flyer or drop a line to: RADIO WEST, 3417 Purer Road, Escondido, CA 92025

- **Frequency range:**
0.25 - 29.9 MHz
- **Modes of operation:**
AM, SSB, CW
- **Sensitivity:**
SSB/CW-Better than 0.7 μ V for S/N
10 dB AM-Better than 2 μ V for S/N
10 dB (400 Hz 30% modulation).
- **Selectivity:**
SSB/CW \pm 1.5 kHz (-6 dB), \pm 4 kHz
(-50 dB)
AM \pm 3 kHz (-6 dB), \pm 7 kHz
(-50 dB)
- **Stability:**
Less than \pm 500 Hz drift for any 30
minute period after warm-up.
- **Antenna requirements:**
Random wire for 0.25-1.6 MHz
50 ohm unbalanced feed for 1.6-
29.9 MHz
- **Speaker impedance:**
4 ohms
- **Audio output:**
2 watts
- **Power requirements:**
100/110/117/200/220/234 VAC, 50/
60 Hz
- **Power consumption:**
25 VA
- **Size:**
360(W) x 125(H) x 295(D) mm
- **Weight:**
Approx. 7 kg

As to the selection of a new receiver, I would like to offer the following suggestions:

1. Don't be in a hurry, many SWL's get anxious and buy a receiver that they later regret.
2. When you have decided how much you can afford to spend, and have narrowed down your field of selection, write or visit a few people who have the receivers you have in mind. Get their candid opinion. Don't go always by the manufacturers ratings, or by "reports" in magazines.
3. Buy the best receiver that you can afford. If you are sure that you will be interested in the hobby for a year or more, don't let anyone tell you to buy a "beginners" receiver.
4. Price is not always an indication of quality. Some SWL's have spent over \$500.00 for a new receiver, and are unhappy.
5. There are many good used receivers available for a very reasonable price. Also, the "surplus" receivers are often a good buy. But be careful.
6. If you are unfamiliar with electronics, always ask a friend to evaluate a receiver you are interested in.
7. Beware of manufacturers who label their receivers "communications type", when actually many are not.
8. Once you are sure of what you are going to buy, buy it! This hobby is so great you can't afford to miss any of the good DX that's available today.

SPEEDXTRAS

THE PROJECTS DIVISION OF SPEEDX

PROJECTS COORDINATOR

MEL HICKMAN
7409 S. E. 82ND AVE.,
PORTLAND, OR 97266 USA

Those of you who have been with SPEEDX for a few years will remember that SPEEDXTRAS was a regular highlight of the bulletin with a monthly appearance edited by Jack White of Gresham, Oregon. Its purpose then, and the purpose of this page, is to bring you up-to-date with the SPEEDX Projects Division and to encourage you to participate in the many projects now under way.

For those of you new to SPEEDX the Projects Division is responsible for all non-bulletin publications (such as BIPs, Reference Leaflets, DX guides, etc.) as well as scheduling club activities and maintaining the SPEEDX Awards Program. The success of the Projects Division, like any part of SPEEDX is dependent on the participation of the membership.

However, before I talk you into volunteering your services, a brief run-down of where we stand (something akin to a State-of-the-Division address):

"WHERE WE ARE!"

- the New Member Packet and Reference Leaflet - 2 (List of Foreign Embassies in Washington, D.C.) are in the process of being revised and should be completed within the next two months. The NMP is being rewritten and the enclosed abbreviation is being updated. RL-2 has been changed from listing only the embassies in Washington, D.C. to include both Washington, D.C., and New York City.

- a new Guide to Soviet Broadcasting is in the works under the expert guidance of Bob Butterfield. We hope to be finishing it by the end of the year, complete with a current site list and new center-fold map.

SPEEDX UTILITY GUIDE

The SUG, having just seen a revised edition come off the press in May, is already in the process of a complete overhaul. We hope to make the SUG, already one of the top utility DX guides in the world, an even better source of information in the next edition.

If you have any additions, corrections, deletions, comments, criticisms, or other things to say about the SUG, please send them to us no later than December 31, 1978. Here is one area where you can really be of help to us. We are especially interested in help from our European, African, and Asian members.

"WHERE WE NEED HELP IN!"

If you are sitting around the shack with nothing to do and there are so many jammers on the bands you can't hear one from another, here are some things we could use a little assistance with:

a) Could someone out there compile an index to all the articles that have been published in SPEEDX this year? This used to be an annual feature and we would like to see it returned to the bulletin. If you are willing to do this, check with us before starting so we don't have three or four people doing the same thing.

b) How about delving into back issues of the bulletin, say about five years or so, and pick out the best articles, both technical and non-technical? This is for a possible "Best of SPEEDX" publication

c) IDEAS!!! We need your ideas for projects. After all, we are here to meet your needs in the hobby. If there is something that would be helpful, let us know and we will see if it is something SPEEDX could do.

d) There are many sources of information of value to the SWL and DX, including atlases, dictionaries, technical books, etc. Why not compile a list of all the references you have in your shack or have used or know about and send it in to us? We could work out a master list from the separate lists and produce it as reference list. You never know if the publication you are using could be of benefit to another hobbyist.

CONTESTS

Interest has been expressed in having another contest. To be quite frank about it, the participation in past contests has been less than encouraging. Still, we're in the business of making your hobby more enjoyable, so let's strike a happy medium and say this: If at least ten of you express an interest in a short term DX contest or a fun-type contest (like a biggest and littlest QSL, or something like that), we will give it a whirl.

"WHERE WE MIGHT BE!"

Here are some things the SPEEDX "think tanks" are mulling over and the timing is ripe for your input of ideas: Adding new BIPs on such subjects as the art of receiver selection, an introduction to utility DXing, etc. A high frequency survey comparable to DSWCI's Tropical Band Survey. An out of band stations list. A series of guides similar to the Soviet Guide for different parts of the world, i.e. a Guide to Indonesian DX, Guide to African DX, one for Europe, one for Latin America, one for East Asia, one for the Subcontinent. Tapes of Latin American identifications.

HELPING THE OTHER GUY

One thing we would like to set up in the near future is a one-to-one help service for new hobbyists. A new DXer would be contacted by a more experienced DX who would be willing to answer questions and give tips and suggestions for getting more enjoyment out of the hobby. This could be a project for the various local groups like the BAD Guys, GOOD Guys, SCADS, etc.

If you have been in the hobby long enough to acquire the expertise needed to be a big brother to a new radio enthusiast and would like to become involved in this sort of project, please let us know. By the way, if there are any new hobbyists out there who could use a helping hand, just drop us a line and we'll line up some help.

"WHERE YOU FIT IN!"

You may have noticed that the word participate has cropped up a couple of times in this page. Its simple. We need YOUR participation, YOUR suggestions, YOUR cooperation in what ever way you can offer it to make SPEEDXTRAS and SPEEDX work. Perhaps, some of you don't know it, but SPEEDX has one of the highest percentages of members active in club activities in all the clubs in North America. With the help of its members, SPEEDX is setting the pace for DX clubs in many facets of the hobby. It's like a number of things, the more you put in, the more you get out. Enough sermonizing.

With a little luck and the availability of space, you might see the SPEEDXTRAS page on a regular basis, perhaps quarterly. We'll try to keep you abreast of what's happening in the Projects Division and how you can join in the fun.

Until next time, then, let us close by saying that all correspondence, questions, brick bats, ideas, etc. should be directed to Mel Hickman, 7409 S.E. 82nd, Portland, Oregon 97266. So long, 73's, God Bless, *Mel*

Mint stamps for most countries of the world are available from George Robertson. Send A SASE to:DX STAMP SERVICE, 7661 Roder Pkwy, Ontario, NY 14519. Tell George SPEEDX sent you.

SPEEDX report forms are available from HQS. SWBC, QSL, & UTE forms to send to section editors may be obtained for 30¢ or 60¢. Please state in what ratio you want them(i.e. 3 SWBC/2 UTE/1 QSL or ?). Mint stamps or cash may be sent. Order forms early as most are mailed via 3rd class mail, which may take several weeks to arrive. Do not send a SASE, just return postage as stated above.

WDX call signs are available from:Hank Bennett, P. O. Box 3333, Cherry Hill, NJ 08034. For information send a SASE to Hank. Tell him your a SPEEDXer.

SWBC DX - Western Hemisphere

◁ EDITOR ▷

CHRIS HANSEN
ST JOSEPH'S SEMINARY
DUNWOODIE YONKERS
NEW YORK 10704



SEPTEMBER, 1978 -- LAS NOTICIAS

Before I begin this month, I would like to thank all those who have commented on the quality of my efforts in W/H so far. All such comments, and all constructive criticism, is greatly appreciated.

4VEH RETURNS - According to local DXers, and also W.L. Oliver, Bradford, MA, 4VEH is back on the air. Tentative sked as observed by Mr. Oliver: 9770 + 11835 kHz until 1400*, noting that next English px would be at 6:30 EST. Thanks to him for his timely logging.

GUATEMALA - According to a note sent to me by Edwin Stickle, NY, the Adventist World Radio station in Guatemala will be opened soon, though I am not sure whether the shortwave station will be opened right away. Their address is:

Robert Folkenberg
Adventist World Radio
Apartado 35-C
Guatemala City, GUATEMALA

THE FOLLOWING TWO ITEMS ARE FROM THE BBC MS and are copyright; they may not be further reproduced without their permission:

ARGENTINA - The Argentinian English language newspaper "Herald" reported on 29th July that most of Argentina's radio and television stations will be returned to private ownership if the Executive approves a draft law submitted by the Public Information Department. The head of the department stated that "a minimum" of stations would remain in government hands and would be used for the "traditional" government radio and television service. The remainder would be denationalized.

BOLIVIA - Radio Cruz del Sur, La Paz (4875 kHz) reported on 14th July that union leaders of the Siglo Veinte Mines had said that the radio station La Voz del Minero will probably resume broadcasting in August, after having been closed by the military for almost two years.

WE RECEIVED THIS MONTH, THROUGH DON JOHNSON, HONORABLE PUBLISHER, a copy of a new bulletin of the LA SALLE DX CLUB, in Bogotá, COLOMBIA. This bulletin, entirely in Spanish, is 8 pages of information on BCB/SW/TV DX, plus QSL reports and station news. If you would like a sample copy, send a couple of IRC's to: La Salle DX Club, Apartado Aereo 8528, Bogotá, D.E., COLOMBIA. The bulletin looks very interesting -- if you know Spanish, it would be a good investment to help them along a new club from a little-represented area of the DX world.

THE FOLLOWING ITEMS ARE REPRINTED FROM SWEDEN CALLING DXERS #1491:

MÉXICO - According to QSL cards received, XERMX, Radio México, now broadcasts 2330-0330 instead of 2155-0335. 11770 kHz replaces 5985, while 15385 and 9705 kHz remain in parallel. Programming is in Spanish. (Grupo de Escucha del Centro de España)

WARC '79 - Christian Debroux in (Namur) Belgium has launched "Operation SOS" to protect the Tropical bands during next year's frequency allocation conference in Geneva. He says under the plans currently being discussed, stations in South and Central America would no longer be able to use the tropical bands, a move that would greatly hurt local economies. Christian is offering special report forms which come in two copies, one copy can be sent to stations as usual, the other back to Christian, who will send them to Geneva to try to influence the proceedings. All participants will receive certificates and the most active participant will receive a prize. Fifteen forms are available for 7 IRC's from QRK Free Service, Box 26, B-5000 Namur, BELGIUM. In Listeners' Notebook for July in FRENCH, David Word offers to coordinate an effort to contact tropical broadcasters to support them at WARC. Interested persons would be assigned to a number of specific stations to write to. For more information: David Word, Box 217, 300 Torshavn, Faroes Islands, DENMARK (continued on next page.)

Broadcasting experts from nonaligned countries met in Algiers in May to organize to protect the "legitimate expectations" of the nonaligned countries! broadcasting organizations. Reports say the experts decided to aim to curb the activities of foreign broadcasting stations which influence the developing countries and to prevent countries from using frequencies allocated to the tropical countries.

I will now begin the column proper - please be reminded that times and dates are in GMT, dates are in month/day format, frequencies are in kHz (kilohertz) and the SIO code denotes reception conditions noted by the reporter.

#####

SOUTH AMERICA

ARGENTINA

- 5880 0049 R. Rividavia, SS, ID @0054 within soccer match between Ecuador and Argentina (444; 7/19. Getzel, NY)(0105 f/out; good, 7/5. Webster, CANADA)
- 5985 1002 R. Splendid, SS, OM ID, armts, (252; 8/5. Moore, PA)
- 6060 0949 R. Nacional, SS, Arg. mx, ID, armts; (354; 8/5. Moore, PA)
- 6120 0954 R. El Mundo, SS, mx, sx by OM, ID; (253; 8/5. Moore, PA)(342; 7/25. Jones, MS)(333; 7/23. Zilmer, WI)
- 9690 0431 RNacional, LAm. guitar mx; (333; 7/6. Rounds, CA)
- 15345 1443 RNacional, SS, OM, SS/EE pop mx; (333; 7/21. Thompson, CA)

BOLIVIA

- 3485 0040 R. Padilla, SS, tlk, ads, SS mx heard, very weak, in and out of static (very poor, 7/19. Webster, CANADA)(Very good catch, OM! cph)
- 4875 0101 La Cruz del Sur, SS, ID by YL @0108, classical mx, 0227 f/out (444; 7/11. Pineault, QUE)

BRAZIL

- 3205 0110 R. Ribeirão Preto, PP, LAm mx, ads, IDs by OM (131; 6/12. Ledlow, TX)
- 4765 0909 R. Emisora Rural, PP. local mx, OM armts, (252; 8/9. Moore, PA)
- 4855 0333 R. Clube do Para, PP, ID, wild ads, armts; (252; 7/18. Moore, PA) (0820; 333; 7/21. Tannenwald, NY)
- 4865 0036 Radio Sociedade Feira Santana, PP, nx, pop mx, full ID @0046; (453; 7/13. Pineault, QUE)
- 4915 0233 R. Dif. Macapá, PP, excited OM armts, TC, vocal mx (242; 7/29. Moore-PA) (0815; 323; 7/20. Tannenwald, NY)
- 4985 0000 R. Brasil Central, PP, weak w/ OM anc under UTE QRM, ID 0000 and into mx, band just opening up (232; 7/23. Trautschold, WI)
- 5015 0207 R. Pioneira, Teresina, PP, OM anc, romantic mx; (252; 7/29. Moore, PA)
- 5045 0212 R. Cultura do Pará, PP, lite flowing mx, ID @0218 (354; 7/29. Moore, PA)
- 5965 1025 R. Guaiaba, PP, ID, TC, OM anc; (433; 7/13. Kato, JAPAN)
- 6045 0948 R. Clube Paranaense, PP, tuned in just in time for ID (253; 8/5. Moore, PA)
- 6085 2320 R. Jornal do Comercio, PP, Latin mx, intros, ID @2333; (343; 6/8. Donly, SC)
- 6095 0932 R. Dif. São Paulo, PP, OM ID, into nx; (232; 8/9. Moore, PA)
- 6125 0845 R. Globo Nacional de São Paulo, PP, tlk, mx, ads, jingles @0935, ID as given above --- (433; 8/6. Zilmer, WI)
- 6135 0906 Radio Gaucha, PP, pop mx, ID's, TC's, ad; (343; 8/11. Heath, KY)
- 9675 0940 R. Diario da Manhã, PP, OM tlk, lite mx, ID @0945 (232; 8/9. Moore, PA)
- 9695 2325 R. Rio Mar; PP, ads, tlk, mx; ID (422; 7/28. Zilmer, WI)
- 11780 0105 R. Nacional de Brasilia, PP, ID's, tlks, orch mx, vocals, (454; 7/29. Thompson, NM)(0350; 555; 7/21. Mappin, WA)(2301; 533; 6/8. Donly, SC) (0205; 433; 7/9. Rounds, CA)(0040; 555; 7/8. Blaize, LA)(0052; 433; 8/3. Mayer, CA)(2124; 222; 7/22. Kawchuk, SASK)
- 11915 2200 R. Gauchó, PP, ads, march mx, pop mx, jingles, ID (433; 7/22. Zilmer, WI) (0733; 322; 6/10. Ledlow, TX)
- 17815 0100 R. Cultura, São Paulo, PP, MOR, Bras. mx, anmts about the mx, ID @0100 piano mx, //9745 buried by QRM, 6165 not hrd, (243; 7/30. Trautschold, WI) (0222; 242; 7/16. Heath, KY)(0159; 253; 8/6. Sulak, PA)

CHILE

- 6135 1103 R. Univ. de Concepción, EE, requesting reports (443; 7/29. Jones, MS)
- 9510 0850 Voice of Chile, EE, OM anc w/ nx, mx; (555; 7/28. McCurdy, CA)
- 11705 0543 VOC, EE, tlk of Cuban involvement in Afr; ID (333; 7/27. Elder, SASK) WI)
- 11755 1100 VOC, EE, IS, ID, Chilean mx to 1105, cmt; //15125 322; (332; 8/1. Zilmer, WI)
- 11760 0328 VOC, EME, mx, 0330* (444; 7/5. Pokatiloff, IL)
- 11765 0246 VOC, EE ID's, mx, cmt; (444; 8/7. Hall, CA) + 5 reporters
- 11890 0100 VOC, EE, mx, cmt; (433; 8/2. Zilmer, WI) + 4 reporters
- 15115 0237 VOC, SS, OM/YL nx, (444; 7/26. Hall, CA)
- 15125 1208 VOC, EE, YL w/ tlk on industrial devlpmt in Chile (343; 7/20. Jones, MS)+1
- 15130 1130 VOC, SS, mx, ID, //15115 353 (454; 7/14. Fraser, MA)(2212; 312; 7/24 -

CHILE (continued)

15130 Kawchuk, SASK)(1250; 242; 8/5. Heath, KY)
 15140 2330 VOC, EE, ID, IS, mx, EE cmt, (433; 7/20. Zilmer, WI)(2320; 545; 7/17. Thompson, CA)
 15150 2340 VOC, EE, ID, cmt; (555; 7/13. Hrivnak, IL), (MI)
 15175 2252 VOC, FF, mx, ID, mx; (443; 7/31. Magnakian, NY)(2345; 444; 7/17. Matwiejczyk
 17715 2200 VOC, EE, mx, cmt; (433; 7/25. Zilmer, WI)(2215; 444/ 7/15. Ledlow, TX)
 17800 2345 VOC, EE, farming info; (555; 8/6. Mappin, WA)(0000,533,7/16. Blaize, LA)
 (333; 7/23. Getzel, NY)

COLOMBIA

4755 0405 Emisora El Mundo, SS, OM w/ 'las noticias', ads for "Banco de Bogotá",
 pop mx; (454; 7/29. Heath, KY)(0540; 333; 8/6. Grenier, CA)(0110,
 222, 8/6. Trautschold, WI)
 4785 0555 Ecos del Combeima, SS, ranchoero mx, ID @0601, station promos, 0603 TC,
 (333; 8/9. Trautschold, WI)(0420; 252; 7/18. Moore, PA)(ID: "Emisora
 fundamental de la Cadena SUPER..." (443; 7/28. Jones, MS)
 4815 0220 R. Guatapurí, SS, ID's: "En R. Guatapurí..." (333; 8/4. Heath, KY)
 (4818, 0950, 353; 7/19. Moore, PA)
 4845 0030 R. Bucaramanga, SS, romantic mx, ID (253; 8/9. Moore, PA)
 4865 0520 LV del Cinaruco, SS, Latin mx, ID, RTTY QRM (232; 8/6. Howell, CA)
 4875 0953 LV del Norte, SS, mx, OM ID, TC (252; 7/19. Moore, PA)
 4885 0412 Ondas del Meta, SS, mx, ID; (252; 7/18. Moore, PA)
 4825 0000 R. Meridiano 70, SS, OM anmts, romantic mx; (252; 8/9. Moore, PA)
 4945 0400 R. Colosal, SS, "En Colombia...R. Colosal" (444; 7/21. Getzel, NY)(433;
 7/29. Snellman, PA)(0657. 434. 8/2. Grenier, CA) + 2 reporters
 4965 0637 R. Santa Fe, SS, LAM mx, ID's (433; 8/5. Grenier, CA) + 2 reporters
 5010 0400 Em. Surcolombiana, SS, nx, anmts, ID (252; 7/18. Moore, PA)(R. Garoua
 QRMing RSurc. here, 400-500 Hz het, makes neither readable, but can
 pull ID's from both -- 0530, 8/1. Trautschold, WI) + 3 reporters
 5040 0933 R. Cincio, SS, ID, LAM mx, het, (332; 7/28. Jones, MS)
 5075 0325 R. Sutatenza, SS, ID 0329 - " R. Sutatenza," piano mx, then, "La Suprema,..
 "R. Sutatenza de Colombia" (533; 6/17. Leonard, FL)(+2 reporters)
 6015 1054 R. Mira, SS, organ mx, chimes, "Somos popular, somos profesionales,
 somos R. Mira.." tape broke, 30" of silence, then rest of tape (Humm.
 Ed.)(443; 7/19. Jones, MS)
 6065 1015 R. Súper, SS, tx, promos, het (433; 7/19. Novello, NY) + 3 reporters
 6115 0648 LV del Llano, SS, mx, flute/guitar (543; 8/1. Webster, CAN) + 7 reporters
 6140 1041 R. Melodia, SS, frequent ID's, MOR LAM mx, back after several weeks
 absence...(353; 7/16. Jones, MS)(ID: La Fabulosa en Colombia; 353;
 5/22/78, Heath, KY)
 6150 0653 "R. Suceso" "LV del Huila", //6160 w/ RCN px in SS.(I would guess that
 this is just a name of a program or a name of the station -- used for
 station promos -- I don't think they've changed name. cph)(444; 8/1. Hall
 6160 0640 Em. Nueva Granada, SS, rock, tlk, ID @0646; static, CA)
 (342; 7/30. Trautschold, WI) + 3 reporters
 6180 1115 RN, SS, tlk, ID (323; 7/6. Rounds, CA)
 9655 2205 RN, SS, px of guitar mx, vocals, (433; 6/8. Donly, SC)(322; 7/11. Cook-CA)
 15335 0124 RN, SS, ragtime mx, ID @0130; (343; 8/6. Rust, OR)

ECUADOR
 3380t 0205 R. Iris, SS, LAM mx, tlk, RTTY & het, off by 0250 (333; 7/30. Novello, NY)
 (0330, 354; 8/12. Pagano, DC)
 3390 0450 R. Zaracay, SS, OM w/ good ID, mx by military band, 0457*, (323; 7/25,
 Blaize; LA)(1147, 353; 7/24. Forsman, CA)(1030; 252; 8/5. Moore, PA)
 4680 0355 R. Nacional Espejo, SS, echo ID, (433; 7/23. Getzel, NY)(442; 5/14,
 Ledlow, TX)(433; 8/5. Grenier, CA)(252; 7/18. Moore, PA)
 4780 1029 Sistema de Emis. Atalaya, SS, messages, TCs, mx, ID: "Sistema de Emisora
 Atalaya en Guayaquil, el puerto principal en Ecuador" (443; 7/19. Jones,
 4795 0125 LV de los Caras, SS, Andean & lite mx; ID @0155 (252; 8/9. Moore, PA) MS)
 (0315; 322; 8/6. Heath, KY)
 4800 0125 R. Popular, SS, OM ID, mx; (333; 8/6. Trautschold, WI)(252; 7/28. Moore, PA)
 4890 0449 R. Centinela del Sur, SS, pop, rock mx, ID, 0506* (453; 8/6. Heath, KY)
 4920 0325 R. Quito, SS, romantic mx, (252; 7/18. Moore, PA)(333; 7/29. Heath, KY)
 (0825, 333, 7/17. Tannenwald, NY)
 5025 0407 R. Splendit, SS, OM anmts, rock mx, (242; 7/28. Moore, PA)
 5060 0220 Sistema de Emisora Progreso, SS, mx, nonstop, increase in power?? (252;
 7/29. Moore, PA)
 21480 1953 HCJB, not on 21490 but 21480. First hrd 6/23 @1953 with Passport,
 still on 17755 and 15300 *under RFI), additional rather than replace-
 ment freq; improved reception in ENAm (444; 6/23. Hauser, TN)
 plus 20 other reporters of HCJB on various frequencies.

Remember to submit complete reports -- I can't do much with a report sans fq, time, date

GALÁPAGOS ISLANDS- LV de los Galápagos

4810 0340 SS, px of class . & church mx; 0358* (322; 7/8. Donly, SC)

GUYANA

5950 0900 GBS, EE, nx, scripture lesson, Good Morning Show, hyper DJ and pop mx; (333; 7/12. George, TX)

PARAGUAY

5237 0423 R. Nacional, SS, OM tlk, ID, some mx, RTTY QRM (232; 8.4, Howell, CA)

PERU

3240 0600 R. América, SS, series of ads, ID, 1950s pop mx, no arnmts between selections (433; 8/5. Howard, CA)

4790 0410 R. Atlántida, SS, OM w/ SS ID's, Bell tones, pop mx, folk mx, TC's off 2.5 minutes (322; 8/6. Heath, KY)(0428, 252, 7/18. Moore, PA)

4825 0320 LV de la Selva, SS, Andean/LAm mx, YL tlk; (352, 7/14. Howell, CA)

5025t 1057 R. Quillabamba, SS, OM tx, Andean folk mx (333; 7/27. Thompson, CA) (1109, 222; 8/2. Kato, JAPAN)

5980 1115 R. Panamericana, SS, ads, ID, ballads; (343; 7/29. Jones, MS)(0615; 444; 7/19. Thompson, CA)(0700; 343; 6/11. Pineault, QUE)(0639, 333; 8/4. Mayer, CA)

6020 1052 R. Victoria, SS, Beethoven IS, anthem, IS, Good Morning, not s/on, however, had been on quite some time before 1052. bad het (422; 8/7. Jones, MS)(1015, 332, 8/5. Zilmer, WI)

6175 1050 R. Tawantinsuyu, SS, usual folklorica mx, good sig; (443; 8/8. Jones, MS)

SURINAM - SRS

4850 0253 EE, pops, Dutch intros, pos ID @0300, more mx; (422; 7/24. Kawchuk, SASK) (0310, 344, 7/20. Getzel, NY)(0216, 533, 8/6. Leonard, FL)(0840, 333, 7/5. Tannenwald, NY)(0205, 323, 7/22. Trueblood, WI)(0840, 444, 8/7. Thompson, CA)

VENEZUELA

3355 0120 R. Impacto, SS, OM ID's: "Esta es R. Impacto, La estación del favor." (pop mx; 433; 8/4. Heath, KY)

3395 0222 R. Universidad, SS, OM arnmts, local mx; (252; 7/17. Moore, PA)

4770 0245 R. Bolívar, SS, many ID's, mx; (444; 7/4. Stone, ONT)(433; 7/20. Getzel, NY)

4800 0125 R. Lara, SS, mx, ads, ID's (333; 7/16. Tannenwald, NY) + 3 reporters

4820t 0157 LV de Apure, SS, tuned in just in time for 0200*, ID missed, so is tent. (253, 8/9. Moore, PA)

4840 0037 R. Valera, SS, excitable OM, ID (253, 8/9. Moore, PA)(342; 7/20. Jones, MS)

4860 1030 R. Maracaibo, SS, nx by OM, repeated ID's (333; 8/5. Grenier, CA)

4880 0105 R. Universø, SS, pop mx, "Stayin' Alive" BeeGees, (353; 8/6. Heath, KY) (0220; 343; 8/4. Thompson, NM) + 4 reporters

4900 0230 R. Juventud, SS, tlk by om, ID, mx, "I'm Easy." (444; 7/17. Martin, LA) (333; 8/4. Mayer, CA)

4930 0357 LV de la Fe, SS, frequent ID's between mx selections, (433; 7/22. Getzel, NY)

4940 0030 R. Yaracuy, SS, pop vocals, guitars, ads, psbl ID @0038, positive Yaracuy was mentioned a few times, (232; 7/23. Trautschold, WI)

4970 1120 R. Rumbos, SS, OMM, net nx, ads, ID's (554; 7/27; Thompson, CA) (0117, 433; 8/2. Brodsky, NY) + 2 reporters.

4980 1030 Ecos del Torbes, SS, mx, tlk, ID; (333; 7/24. Tannenwald, NY)(0200; 433; 7/4. Stone, ONT)

4990 0328 R. Barquisimeto, SS, ID's; (333; 7/11. Getzel, NY) + 2 reporters

5030 0200 R. Reloj Continente, SS, ID's, vocals, guitar mx, orch mx, (343; 8/4, Thompson, NM)(322; 7/24. Brodsky, NY)(322; 7/14. Rounds, CA)

5040 0352 R. Maturín, SS, arnmts, (252; 7/18. Moore, PA)(0925, 242, 8/9. Jones, MS)

6190 1015 Ecos del Torbes, SS, ads, ID's (354; 8/5. Moore, PA)

9660 0400 SS, ID, tx by OM DJ, mx, (444; 7/6. Rounds, CA)(0042, 433, 8/3, Mayer, CA)

15400 1859 RN, EE, ID, times, fq, mx; (442; 7/28. Howell, CA) + 2 reporters.

NORTH AND CENTRAL AMERICAANTIGUA - BBC Relay

5990 1205 EE, //6195 444, tlks on limiting foreign credit (454 6/8. McIntosh, PA)

6120 0205 EE, nx; (333; 6/18. Dawson, CA)

6175 0005 EE, world nx, nx about Britain, (554; 8/27. Wampler, VA) (0345, 454; 7/15. Johnson, FL)(0305, 544, 7/18. Wampler, VA)(555; 7/6. T. Smith, CA)

9510 0745 EE, interview w/ dancing instructor (343; 7/4. T. Smith, CA)

9580 1505 EE, R. Nxrrel, (434; 6/17. Willis, PA)

17830 2025 EE, world nx cmt; (544; 8/7. Hall, CA)

Deutsche Welle Relay

6040 *0130 EE, IS, ID, fqs, //9545 322; (434; 7/9. Blaize, LA)(444; 7/14. VanFleet, NY)

6085 0200 GG, fqs, world nx; (555; 6/15. Hrivnak, IL)

ANTIGUA - Deutsche Welle Relay, continued.

9545 0526 EE, nx, magazine show; (555; 8/3. Monjure, LA)
 9690 0925 GG, YL singing in GG, OM tlk (454; 7/4. T. Smith, CA)
 9735 1108 SS, mx, piano solo, sx talk, more piano mx; (454; 7/6. Earhart, PA)
 11795 0149 EE, ID as Caribbean Relay Station (444; 7/27. Hall, CA)
 11810 1320 GG, nx, 1320* (555; 6/8. McIntosh, PA)
 11970 1258 GG, IS, (433; 8/5. Hall, CA)
 15150 1310 GG, nx, mx; (555; 7/8. Hrivnak, IL)

CANADA

5960 0300 RCI, EE, DX Digest, Magne tlk on SW filters; (444; 7/31. Fisher, MA)(exc., 7/14. Mills, BWI)(554;7/17. VanFleet, NY)(454; 8/7. Sulak, PA)(0415; 444; 6/12. Chan, OR)
 6005 1616 CFCX, EE, DJ px w/ songs, TC's (343; 7/14. VanFleet, NY)(444; 8/4. Gagnon, NH)(353; 7/17. Snyder, NY)
 6065 0300 RCI, EE, ID @0319, mx; (444; 7/5. Stapleton, TX)(NS, 1135; 454; 7/27. Earhart, PA)
 6070 1550 CFRX, EE, DJ px, ads, nx, cmtx; (343; 7/15. VanFleet, NY)(2003; 555; 7/17. Snyder, NY)
 6080 0700 CKFX, Vancouver, EE, relay CKWX, nx, C&W mx, (333; 8/8. Tilbury, AK)
 6160 0707 CKZU, Vancouver, EE, nx, sx, CBC ID, mx; (222; 7/25. Hall, CA)(0846, 252; 7/19. Moore, PA)
 6195 *0400, CBC NS, EE, nx, weather, (333; 7/15. Johnson, FL)(0000; 555; 7/31. Gagnon, NH. RCI)
 9535 0100 RCI, EE, nx on Pope's death, postal workers; (545; 8/8. Diamond, MD) (555; 7/2. Stone, ONT)
 9605 0400 CBC NS, EE, nx, anthrax epidemic; (454; 7/14. T. Smith, CA)
 9625 1700 BCB NS, EE/Cree, nx, ID, fqs, into Cree @1705 (454; 7/8. VanFleet, NY) (433; 7/8. Rounds, CA)
 11720 2300 CBC NS, EE, nx, (good, 7/13. Mills, BWI)
 11845 0150 RCI, SS, class mx, (545; 7/15. Johnson, FL)(444; 7/7. Wampler, VA) (0223; 544; 7/24. Yohana, NJ)
 15260 1900 RCI, EE, nx, Bonsoir Africa, DX Digest, (544; 7/23. Baker, IL) + 1 reporter
 15325 1725 RCI, RR/GG, tlk, into GG @1730, (333; 7/23. T. Smith, FL)
 17820 1906 RCI, EE, report on Commonwealth games; (333; 8/6. Grenier, CA)(545; 7/21. Johnson, FL)

COSTA RICA

4832 0655 R. Reloj, SS, mx, ID 0700 (333; 8/8. Gaede, CA)(332; 7/14. Thompson, CA)
 5955 1027 R. Casino, SS, continuous pop mx, ID, call, fqs @1030, into ranchera music, (343; 8/7. Jones, MS)(312; 7/19. Hopkins, CA)
 6006 0950 R. Reloj, SS, LA mx, ID by OM, (222; 7/7. Rounds, CA)(0810, 333, 7/11. Tannenwald, NY)(0523, 433, 7/8. Ledlow, TX)(0920, 555, 7/23. Boehm, TX)
 9645 *1100 Faro del Caribe, SS, IS, ID, fqs, time sked, mx, tlk (4331 7/30. Zilmer, WI)

CUBA

6060 0530 R. Havana, SS, OM, nx, cmt; (454; 7/30. T. Smith, CA)(544; 7/8. Thompson, CA)
 9770 2200 RHC, SS, heard under Austria, though listed nominal 9765 (3221 7/25. Zilmer, WI)
 11760 0520 RHC, EE, OM/YL tlk, editorial, propaganda, (444; 8/8. Pokatiloff, IL) (Remember the Maine? RHC does, and claims that U.S. imperialists blew up the boat to provoke Spanish-American war. cph. 454; 8/10. T. Smith, CA) (-, 7/17. Worman, WI)(544; 7/11. Yohana, NJ)
 11930 0116 RHC, SS, ID, tlk; (555; 7/24. Lindsey, NJ)(333; 7/25. Chan, OR)(0400, 444; 7/17. Matwiejczyk, MI)(555; 7/15. Johnson, FL)(333; 8/3. Brodaky, NY) (555; 7/4. Hrivnak, IL)(333; 8/7. Gaede, CA)(022; 545; 7/5. Pokatiloff, IL)
 15155 0240 RHC, SS, nxcast, tx on life expectancy (444; 7/26. Hall, CA)
 15230 1625 RHC, SS, mx; (333; 7/15. Snyder, NY)
 17705 2015 RHC, SS, nxcast (432; 8/7. Hall, CA)
 17750 1945 RHC, SS, mention of Bogotá address, mx, ID; (544; 7/10. Blaize, LA)
 17855 2130 RHC, EE, cmt; (433; 7/22. S. Proom, GB)(444; 8/7. Diamond, MD)(534; 8/7. Hall, CA)(2055, 544; 8/1. Mappin, WA)

DOMINICAN REPUBLIC

5970 0438 RTV Dominicana, SS, lite pop instrumental mx, (443; 7/22. Heath, KY) (*0926, 444; 7/25. Jones, MS)(1000, 333; 7/15. Tannenwald, NY) (2326; 323; 7/24. Getzel, NY)
 5975 1041 RTV Dominicana, SS, nx, fq. on the move again(!La frecuencia en marcha! cph) (453; 8/8. Jones, MS)
 9505 0030 RTV Dominicana, SS, ID by OM, "Musica del Mundo" (534; 7/19. Getzel, NY) (433; 8/3. Mayer, CA)
 11700 2210 R. Clarin, SS, "Clarin Informativo", world, local nx; no English at 2300, had mx; (434; 7/31. MacCallum, IN)(555; 7/16. Leonard, FL)(333; 7/21. Thompson, CA)(434; 7/18. Getzel, NY)

SWBC - EUROPE



EDITOR
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Deadline: 15th
Times and Dates: GMT
Frequencies: kHz

ALBANIA

R. Tirana

6200 0350 EE; commentaries ID at 0355 (423 7/19 Wampler-VA)(*0230 433 Johnson-FL)
7300 0235 EE; nx commentary ID (455 7/14 Smith-FL)(343 Pokatiloff-IL)(Van Fleet)
(Wampler-VA)(Yohana-NJ)(Mayer-CA)(McCurdy-CA)(Link-MD)
9750 0000 EE; R. Peking relay of nx and commentary. Contrary to reports BBC said
7/15 this was heard 7/29 at 0000 on 8/1 when R. Tirana announced
cooperation with China (422 7/29 Zilmer-WI) Bob your logging was con-
fusing to me and I just typed it up as you sent it to me. ed

R. Peking

9780 0312 EE; nx read by yl (333 7/9 Rounds-CA)(0340 CC/EE 444 7/11 Yohana-NJ)

AUSTRIA

6155 0130 ORF; EE; ID on w/ nx (544 7/24 Lindsey-NJ)(*0259 232 Novello-NY)
(Getzel-NY)(Earhart-PA)
9770 0130 ORF; EE ax nx, classical nx into GG at 0200 (544 8/1 Snellman-PA)
(0345 434 Moore-PA)(Link-MD)(Trautschold-WI)
(Martin-LA)(433 Grenier-CA)(Skora-ONT)(Worrel-ND)
(Fraser-MA)(Brodsky-NY)(Wampler-VA)(333 Mayer-CA)
11870 0140 ORF; EE yl w/ tx very heavy QRM only audible freq
(211 7/9 Blaize-LA)
15110mf 1230 ORF; "Report from Austria" move from 15155 (422
7/22 Zilmer-WI)(311 7/30 Lobdell-MA)(Jones-MS)
15195 0130 ORF; GG IS ID yl w/ opera QRM de VOA (323 7/18 Getzel-NY)(2200 GG 433
7/29 Zilmer-WI)(222 Thompson-CA)
17840 0440 ORF; EE prgm on Anthropology nx tx (444 6/29 Ledford-NJ)(242 Cook-CA)
(Hogan-NC)



BELGIUM

6080 0040 ORU; EE nx by yl ID tx mx w/ om DJ (322 7/15 Martin-LA)(444 Getzel-NY)
(Van Fleet-NY)(Webster-ALB)(Thomas-NC)
9685 0030 ORU; EE nx ID (322 7/31 Matwiejczyk-MI)(Zilmer-WI)(Stickle-NY)
17740 1615 ORU; EE ID nx race car nx rock mx (433 8/2 Ledford-NJ)(Heath-KY)
(Donly-SC)(Rounds-CA)
21460 1540 ORU; FF yl folk nx ID IS s-off 1547 (343 7/21 Thompson-CA)(Donly-SC)

BULGARIA

9700 1950 R. Sofia; EE tx about fishing in Bulgaria letters (343 8/6 Stickle-NY)
11750 0436 R. Sofia; EE nx by yl ID tx by om severe QRM de BBC (422 8/1 Mayer-CA)
(0440 433 Link-CA)(Smith-FL)(Hall-GA)(Stickle-NY)(Earhart-PA)(Uyeno-TX)
(Hogan-NC)(Johnson-FL)
11950 0430 R. Sofia; EE IS ID freq's nx (534 7/27 Howell-CA)
15135 2145 R. Sofia; EE om commentary on birth control (444 8/6 Pokatiloff-IL)
(Earhart-PA)
15310 2113 R. Sofia; EE ID Bulgarian mx (7/20 Webster-ALB)
15330 0025 R. Sofia; EE mailbag prgm QRM APRTS (434 8/10 Van Fleet-NY)(Elder-SASK)
(Rudolph-AL)(Thomas-NC)(Heath-KY)(Fraser-MA)

CZECHOSLOVAKIA

5930 *0300 R. Prague; EE nx ID (555 7/22 Lindsey-NJ)(Hogan-NC)(Moore-PA)
7345 0148 R. Prague; EE mailbag prgm Czech mx (7/13 Webster-ALB)(0305 433 Link-CA)
(McCurdy-CA)(Snyder-NY)(Wampler-VA)(Brodsky-NY)
9540 0159 R. Prague; EE IS ID nx (433 7/30 Mayer-CA)(Johnson-FL)(434 Van Fleet-NY)
(Rounds-CA)
9630 0157 R. Prague; EE s-off IS under Spanish Foreign Radio (233 8/2 Hall-CA)

CZECHOSLOVAKIA cont.

11990 0336 R. Prague; EE classical type mx announcements by yl //7345 (44; 7/17 Mayer-CA)(454 7/21 Wampler-VA)(Miller-BWI)(Diamond-MD)(Pecenka-IN)(Somers-CA)(Cook-CA)(Smith-FL)(Rounds-CA)(Stapleton-TX)(Stone-ONT)(Hrivnak-IL)(Thompson-CA)(Howell-CA)(Hagen-IL)(Pokatiloff-IL)

15110 1533 R. Prague; EE yl tx about Iraq and US-Soviet disarmament (4;+ 7/23 Getzel-NY)

DENMARK

15165 1507 R. Denmark; Danish nx (222 8/3 MacCollum-IN)(Rounds-CA)(232 7/26 (Norcross-HI)

FINLAND

11800 2324 R. Finland; EE "Helsinki Calling" (533 7/22 Lindsey-NJ)

15105 *1300 R. Finland; EE IS ID nx "Off the Cuff" (443 7/28 Pecenka-IN)(Hrivnak-IL)(Snellman-PA)(Moore-PA)(Miller-CA)(Getzel-NY)(Blaize-LA)

15200 1430 R. Finland; EE nx mx tx about Peace Keeping Forces (455 7/31 Larson-NE)(444 7/16 Hagen-IL)(Wampler-VA)(Worrel-ND)

15265 1925 R. Finland; EE nx by om (433 7/30 Webster-ALB)(Hogan-NC)(Cook-CA)(Rounds-CA)(+33 Grenier-CA)(Matwiejczyk-MI)(Mayer-CA)(Hall-CA)

15270 0456 R. Finland; FF? IS ID time pips (443 7/15 Mayer-CA)(Snellman-PA)

FRANCE

11730 *0400 RFI; FF s-on tx (343 7/4 Harrington-CO)(Smith-CA)

15155 0700 RFI; FF chimes ID mx (444 8/3 Hall-CA)(Snellman-PA)(Stone-ONT)(Wheeler-KA)(Rounds-CA)

15210 1855 RFI; FF om w/ ID freq's instrumental mx pips om mx (343 7/24 Thompson-CA)(Somers-CA)

15290 0615 RFI; FF ID tx couldn't find a // freq (253 7/13 TéléDiffusion de France Leonard-CO)

15300 1634 RFI; EE freq's mx "Paris Calling Africa"(333 7/30 Gaede-CA)(Gagnon-NH)(Worrel-ND)(Lindsey-NJ)(Fisher-MA)(MacCollum-IN)(Rounds-CA)

15315 *1605 RFI; EE "Paris Calling Africa" ID's mx interview w/ Lillian Carter (343 7/19 Pecenka-IN)(Hall-CA)(Harrington-CO)(Gaede-CA)(Leonard-CO)(Rounds-CA)

17720 1602 RFI; EE "Paris Calling Africa" //21580, 21620 (444 7/31 Hall-CA)(Moore-PA)(Thompson-CA)(Rounds-CA)(Grenier-CA)

17800 1634 RFI; EE yl ID //17850, 17860 (222 8/1 Hall-CA)

17850 1610 RFI; EE nx mx (333 7/18 Thomas-NC)(Rounds-CA)(Maghakian-NY)

17860 1630 RFI; EE "P.O. Box 9516" live mx report via telephone (423 7/20 Hill-VA)(555 7/7 Proom-GB)(Hounds-CA)

21620 1631 RFI; EE interview with Mrs. Carter //21580, 17720, 17850, 17860 (443 7/19 Mayer-CA)(443 7/12 Peck-NY)(Grenier-CA)

GERMANY (DEM. REP)

6010 0000 RBI; SS IS ID mx commentary GG mx (333 8/1 Ledford-NJ)

9500 *0959 RBI; PP IS ID mx carrier QRM (322 7/26 Maghakian-NY)

9730 0130 RBI; EE ID "DX Meeting" prgm (323 7/18 Skora-ONT)(Pecenka-IN)(Diamond-MD)(Hall-CA)(Elder-SASK)

11890 0402 RBI; EE tx of the Chamber Committee (432 7/21 Mayer-CA)(Hall-CA)

11970 0355 RBI; EE communist propaganda (444 7/17 Matwiejczyk-MI)

21540 1410 RBI; UNID om yl w/ tx very weak long fades (141 7/23 Naylor-CA)

GERMANY (FED. REP)

6085 0630 DW; GG anacr ID prgm in GG (544 7/12 Mappin-WA)

6185 0528 DW; EE IS into EE service (121 7/28 Hall-CA)

7265 0430 SWF; GG MCR mx mx at 0430 accordian mx after mx (544 7/28 Hopkins-PA)

9700 2230 DW; GG mx request prgm (333 7/29 Rudolph-AL)

9735 0503 DW; GG mx about Carter's visit in Bonn (433 7/14 Smith-CA)

9765 0510 DW; EE African service mx about Carter in Bonn (422 7/14 Smith-CA)

11765 0612 DW; EE replay of Andrew Young's speech (433 7/21 Hogan-NC) Which one? hi

11850 *0930 DW; EE nx to Australia/New Zealand (343 7/29 Zilmer-WI)

11860 0130 DW; EE commentary on life in East Germany (555 7/15 Johnson-FL)

11905 1945 DW; EE/GG man talked about Pope Paul (444 8/9 Webster-AL)

11970 0407 DW; EE ID commentary freq's (312 7/12 Hogan-NC)

15105 2200 DW; PP US folk mx (333 7/28 Rudolph-AL)

15135 1737 DW; EE nx guitar mx vocals ID (444 7/25 Fawchuk-SASK)

15275 0601 DW; EE nx //11765, 17875 (131 7/25 Hall-CA)(*0930 232 Zilmer-WI)

15410 0135 DW; GG rock and roll mx (333 7/15 Rudolph-AL)

17715 *0930 DW; EE nx Esperanto tx EE/GG lang lessons (343 7/29 Zilmer-WI)

17780 *0930 DW; EE nx //11850, 15275, 17715 (232 7/29 Zilmer-WI)

GERMANY (FED REP) cont

17795 1230 DW; EE ax by yl heavy QRN (453 7/24 Worrel-ND)
 17845 0557 DW; IS ID into GG (221 7/31 Hall-CA)
 17875 1230 DW; EE prga of religious ax (343 7/22 Getzel-NY)
 21500 1045 DW; EE ax Week in Africa //17875, 17785 (353 7/29 Zilmer-WI)
 21600 1045 DW; EE ax //21500, 17875, 17785 (353 7/29 Zilmer-WI)

SUDWESTFUNK

7265 0403 GG; ax prga unauddible after 0430 (322 8/3 Sulak-PA)(Donly-SC)

R. FREE EUROPE/R. LIBERTY

11885 1216 RL; RR tx by on some ax ID @ 1230 (322 8/15 McCurdy-CA)
 21720 1310 RFE; Czech language DJ US pop ax (252 7/26 Sulak-PA) John would like to know where to send a reception report. No response to German address or the Washington address. ed. (Famularo-NJ)

GREECE

9655 *0200 VOG; EE Greek to 0215 then EE at 0225 //11730, 9760 (433 7/23 Zilmer-WI)
 9760 0215 VOG; EE ax ID's (232 7/26 Harrington-CO)(McCurdy-CA)(Buhagiar-ONT)
 (Peters-KY)(Somers-CA)(Matwiejczyk-WI)
 9865 0215 VOG; EE ax //9760 (342 7/26 Zilmer-WI)
 11730 0225 VOG; EE ax and commentary ax (323 7/15 Johnson-FL)(Mills-BWI)(Earhart-PA)
 (Harrington-CO)(Stone-ONT)(Rounds-CA)(Ledford-NJ)(Smith-CA)
 17830 1520 VOG; EE wld ax ID's (333 7/23 Famularo-NJ)(Buhagiar-ONT)

HUNGARY**RADIO BUDAPEST**

9585 0200 R. Budapest; EE ID IS ax commentary (433 8/3 Martin-LA)
 11910 0405 R. Budapest; EE DX prga (433 8/2 Link-CA)(Larson-NE)(Smellman-PA)(Somers)
 (Hrivnak-IL)(Smith-FL)(Rounds-CA)(Pokatiloff-IL)(Harrington-CO)(Hogan-NC)
 15225 0200 R. Budapest; EE s-on ax (555 7/23 Harrington-CO)(Trueblood-WI)
 (Hrivnak-IL)(Stapleton-TX)(Rounds-CA)(Rudolph-AL)(Lincese-NJ)(Sayder-NY)
 (Elder-SASK)(Wampler-VA)(Brodsky-NY)(Earhart-PA)(Pecenka-IN)(Leonard-FL)

ICELAND

12175 1233 V. Iceland; Icelandic on tx ax (322 7/22 Howell-CA)(Webster-ALB)
 (Hodson-MN)

ITALY

9710 0540 RAI; AA bcst to Middle East s-off 0555 (423 7/28 Webster-ALB)
 11810 0109 RAI; EE ax (333 8/2 Hall-CA)(Rounds-CA)(312 Hogan-NC)(Thompson-NM)
 (Van Fleet-NY) Quick somebody think of an abbreviation for Italian ed
 15315 0100 RAI; EE wld ax yl anser (544 7/20 Stone-ONT)(Rounds-CA)(Trautschold-WI)
 (Smith-CA)(Thomas-NC)(S. Miller-CA)(Pecenka-IN)(Hall-CA)(Wampler-VA)
 (Brodsky-NY)(Rudolph-AL)
 15385 0035 RAI; SS ID ax till 0100 (544 7/20 Stone-ONT)(Hrivnak-IL)(Rounds-CA)
 (Earhart-PA)
 15400 1835 RAI; Italian on w/ tx ax (333 7/26 Thompson-CA)
 17770 0140 RAI; Italian ? IS ax noisy audio (423 7/11 Blaize-LA)(Stone-ONT)
 17815 *1700 RAI; Italian IS s-on bell IS ax yl w/ ax (253 7/22 Famularo-NJ)
 (Rounds-CA)

LUXEMBURG

6090 0007 R. Luxembourg; EE pop ax ID ads (444 8/1 Ledford-NJ)(Wampler-VA)
 (Lindsey-NJ)(Getzel-NY)(Thomas-NC)(Van Fleet-NY)(Webster-AL)
 15350 0435 R. Luxembourg; FF commentary ax prga (554 7/10 Ruggley-IL)(Donly-SC)
 (Trautschold-WI)

MALTA

6100 *0130 DW; EE IS ID freq's ax (423 7/9 Blaize-LA)(Leonard-FL)(Thompson-CA)

NETHERLANDS

11740 *2030 R. Nederland; EE ax commentary on Youth Conference in Havana (433 8/7
 Lorz-NY)(Diamond-MD)
 17700 0658 R. Nederland; EE IS prga to Africa (444 7/21 Hogan-NC)

NORWAY

9605 0000 R. Norway; EE "Norway this Week" ax and views (433 7/31 Zilmer-WI)
 (Stickle-NY)
 9610 0223 R. Norway; EE mailbag prga tx about newspapers (444 7/31 Hall-CA)
 (Hodson-MN)

NORWAY cont

11850 2200 R. Norway; EE "Norway This Week" (422 7/30 Zilmer-WI)(Stickle-NY)
(Machakian-NY)
11860 0417 R. Norway; NN tx by yl acting out two parts in a play //11895 (444 8/1
Mayer-CA)(McCurdy-CA)(Earhart-PA)(*0200 433 Johnson-FL)(Mappin-WA)
(Hall-CA)(Gaede-CA)
11895 0343 R. Norway; Norw. mx by om tx ID (333 7/18 Rounds-CA)(Elder-SASK)
15135 1855 R. Norway; NN IS ID freq's mx (534 7/7 Peck-NY)
15170 1200 R. Norway; EE "Norway This Week" mx (332 7/23 Zilmer-WI)
15175 1808 R. Norway; EE mx of Norwegian shipping (454 7/22 Lindsey-NJ)(Getzel-NY)
(Earhart-PA)(Brookwell-CA)(Osterman-OH)(Grenier-CA)
17840 1431* R. Norway; EE commentary (343 7/9 Osterman-OH)(Buhagiar-ONT)(Fraser-MA)
21730 1403 R. Norway; NN om yl tx song about ice cream (252 7/20 Moore-PA)

POLAND**POLSKIE RADIO**

7145 0250 Polskie Radio; EE Latin and pop mx ID QRm (333 7/17 Johnson-FL)
9525 *0200 Polskie Radio; EE/Polish ID cast info mx (232 8/3 Pecenka-IN)(Skora-ONT)
(Utter-NY)(Trautschold-WI)
11815 0202 Polskie Radio; EE mx ID Polish folk mx (243 8/1 Pecenka-IN)(Johnson-FL)
(Zilmer-WI)(Rounds-CA)
15120 0220 Polskie Radio; EE QRm (423 7/12 Pokatiloff-IL)(Smellman-PA)(Somers-CA)
(Mayer-CA)(Novello-NY)(Getzel-NY)(Wampler-VA)(Pecenka-IN)(Webster-AL)

PORTUGAL

6025 *0300 R. Portugal; EE ID mx mx (423 7/4 Skora-ONT)(0504 433 Mayer-CA)(Snyder-NY)
(Smith-CA)(Stone-ONT)
11935 0501 R. Portugal; EE on w/ mx followed by turist prgm (353 8/11 Monjure-LA)
(Stickle-NY)(Link-CA)(Rounds-CA)(Stapleton-TX)(Somers-CA)(Webster-AL)
(Pecenka-IN)(Leonard-FL)
17880 1820 R. Portugal; EE tx by yl about culture into FF at 1830 (222 7/13
Rounds-CA)(Kawchuk-SASK)
21495 *1330 R. Portugal; PP guitar IS chimes anthen ID mx (353 7/16 Heath-KY)

R. JAPAN RELAY

9670 2200 EE/JJ; mx in EE then into JJ at 2210 (222 7/16 Buhagiar-ONT)(Peck-NY)
(Zilmer-WI)(Hauser-TN)(Larson-NE)

ADVENTIST WORLD RADIC

9670 2111 DD; religious prgm with om mx (443 6/30 Stickle-NY)

AWRROMANIA

9570 0135 R. Bucharest; EE mx tx of the Romanian Communist Party (333 8/3 Mayer-CA)
(Wampler-VA)(Worrel-ND)(Johnson-FL)(Harrington-CO)(Hogan-NC)(Thomas-NC)
(Buhagiar-ONT)(Trautschold-WI)(Rounds-CA)
9690 2120 R. Bucharest; EE light mx ID off (333 7/31 Mahakian-NY)(Peck-NY)
11940 *0130 R. Bucharest; EE IS ID mx (232 7/30 Pecenka-IN)(Billier-NJ)(Stone-ONT)
(Rounds-CA)(Hall-CA)(Skora-ONT)(Smith-CA)(Ruggley-IL)
15255 2300 R. Bucharest; Romanian IS yl tx (443 7/9 Peck-NY)
17850 0530 R. Bucharest; EE ID freq's mx on Ivory Coast poor modulation (342 7/18
Mayer-CA)
17870 0530 R. Bucharest; EE mx (454 7/1 Proom-GB)

SPAIN

9360 0120 Spanish Foreign Radio; SS mx prgm on/yl tx ID's (454 0125 Trautschold-WI)
9630 0030 Spanish Foreign Radio; SS mx "Musica de Galicia" (534 8/8 Duran-NJ)
(Lindsey-NJ)(Diamond-MD)(Pearson-OR)(Smith-CA)(Hodson-MN)(Stickle-NY)
(Brodsky-NY)(Rudolph-AL)(Johnson-FL)(MacCollum-IN)(Smellman-PA)
(Thompson-NM)(Hogan-NC)
9645a 0539 Spanish Foreign Radio; EE mx tx about tin craft (444 7/16 Snyder-NY)
11775 0440 Spanish Foreign Radio; SS mx commentary ID (544 7/21 Stickle-NY)
11810 2055 Spanish Foreign Radio; SS ID (544 7/28 Stickle-NY)
11830 1923 Spanish Foreign Radio; SS commentary interviews ID's mx (534 7/28 Stickle)
11840 2200 Spanish Foreign Radio; EE mx commentary (422 7/22 Zilmer-WI)
11880 0030 Spanish Foreign Radio; EE mx mx ID's (444 7/26 Thompson-NM)(Gaede-C)
(Chan-OR)(Link-CA)(Grenier-CA)(Stone-ONT)(Somers-CA)(Brodsky-NY)
(Hodson-MN)(Miller-CA)(Johnson-FL)(Pokatiloff-IL)(Norcross-HI) t 43
11910 0753 Spanish Foreign Radio; SS IS s-on freq's (433 8/10 Hall-CA)
11970 0313 Spanish Foreign Radio; SS mx program 5kc's high (333 8/7 Gaede-CA)

SWEDEN

9695 0248 R. Sweden; EE "Sweden Calling DX-ers (242 7/26 Harrington-CO) t 23

SWEDEN cont

11705 0240 R, Sweden; EE tx about ancient history (333 7/9 Rounds-CA)(Harrington-GO)
(Lindsey-NJ)(Mills-BWI)
11790 1415 R, Sweden; EE "Sweden Calling DX-ers" (544 8/1 Brodsky-NY)
11905 0050 R, Sweden; EE "Sweden Calling DX-ers" (333 7/26 Chan-OR)(Brodsky-NY)
(Elder-SASK)(Kegel-MO)(Hall-CA)(Diamond-MD)
15205 2305 R, Sweden; EE "Panorama" (544 7/27 Hogan-NC)(Thompson-CA)(Pokatiloff-IL)
(Gramer-CA)(Hall-CA)(Smellman-PA)(Uyeno-TX)(Mayer-CA)(Worrel-ND)(Hill-VA)
15240 1830 R, Sweden; EE "Saturday Night Show" (333 7/29 Zilmer-WI)
17790 1400 R, Sweden; EE commentary about Tito and Yugoslavia (433 7/7 Blaize-LA)
(Webster-ALB)(Larson-NE)(Fraser-MA)(Hagen-IL)(Stapleton-TX)(Stone-ONT)
21555 1546 R, Sweden; Swedish tx by yl/om s-off at 1600 (353 7/18 Donly-SC)
(Baize-LA)

+SBCSWITZERLAND

6135 *0144 SBC; EE yl ID IS (534 7/24 Lindsey-NJ)(Van Fleet-NY)
9725 *0145 SBC; EE commentary on tennis championships (343 7/18 Johnson-FL)
11715 0432 SBC; EE mx by yl "Dateline" (443 7/14 Mayer-CA)(Elder-SASK)(Harrington-GO)
(Gaele-CA)(Trautschold-WI)(Link-CA)(Pokatiloff-IL)(Dawson-CA)(McCurdy-CA)
(Somers-CA)(Stapleton-TX)(Uyeno-TX)(Hrivnak-IL)(Rounds-CA)
11780 0720 SBC; EE "Dateline" sked mx (322 8/2 Hogan-NC)(Harrington-GO)
15305 0340 SBC; Italian prgm w/ Swiss mx mx ID (545 7/4 Harrington-GO)(Rudolph-AL)
(Brodsky-NY)(Blaize-LA)(Matwiejczyk-MI)(Zilmer-WI)(Norcross-HI)(Hall-CA)
(Smellman-PA)(Naylor-CA)
17830 1528 SBC; IS QRM de VOA and V. of Greece (222 8/1 Mappin-WA)(Blaize-LA)
21585 1920 SBC; FF Swiss mx ID in FF at 1930 (444 7/1 Stone-ONT)

UNITED KINGDOM

6110 0015 BBC; SS ID (444 8/13 Brodsky-NY)(Smith-CA)
7185 0343 BBC; EE Questions to a Panel of mx experts (343 8/18 McCurdy-CA)
9410 0511 BBC; EE mx QRM (444 7/25 Blaize-LA)(Martin-LA)
9640 0900 BBC; EE wld mx (333 7/26 Zilmer-WI)
9830 0330 BBC EE/Swahili IS ID mx (555 7/9 Hrivnak-HI)
15180 1600 BBC; JJ TC into Japanese (433 7/17 Mappin-WA) My sked showa Arabic on this
freq. ed
17695 1030 BBC; EE "Science in Action" (252 7/21 Zilmer-WI)

BBCUNION OF SOVIET SOCIALIST REPUBLICSALMA ALTA

9780 *0000 RR; IS Kremlin bells anthems exercise prgm (433 7/29 Hopkins-PA)

KIEV

9580 0315 EE; "Ukrainian Panorama" (444 7/15 Johnson-FL)
9600 0030 EE; mx review of international events (444 8/1 Barber-NY)(Pecemka-IN)
9610 0325 EE; closing acts by yl (534 8/12 Miller-CA)
9800 0035 EE prgm of the care of the aged (545 8/9 Getzel-NY)
11780 *0030 EE "Ukrainian Panorama" visit by Canadians (322 7/19 Johnson-FL)(Lindsey)
15425 0310 EE commentary on US intervention in USSR's affairs (433 8/3 Link-CA)

MAYAK

15660 0325 RR; easy listening mx (7/22 Webster-ALB)

PEACE AND PROGRESS

15150 1220 EE; tx on radio beating in the Soviet Union (443 7/30 Jones-MS)
15320 0120 PP; ID Latin America mx to Brazil (444 7/13 Fanularo-NJ)
17710 0615 CC; yl mx commentary ID by IS (454 7/30 Smith-CA)
17815 1100 EE; spotlight on wld events (242 7/27 Zilmer-WI)
17870 1308 EE; tx about Japanese troops and ships (333 7/11 Blaize-LA)

VATICAN

9605 0108 Vatican Radio; EE ID religious tx (444 7/4 Skora-ONT)(Blaize-LA)
9620 *2159 Vatican Radio; EE IS ID mx by yl (343 7/21 Worrel-ND)(Barber-NY)
9645 0530 Vatican Radio; multi-lingual ID's Latin Mass (444 8/1 Ledford-NJ)
11845 0110 Vatican Radio; EE anent of death of Pope (443 8/7 Link-CA)(Mayer-CA)

YUGOSLAVIA

9620 2209 R, Yugoslavia; EE commentary strong het (322 7/26 Earhart-PA)(Peck-NY)

Well 99 reporters and about 750 loggings later I'm done. Thanks to everybody. See you in about 30.

73's

SWBC DX

AFRICA



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FEBA
 Seychelles

Radio Television Kaduna

Deadline: 15th
 Times & Dates: GMT
 Frequencies: kHz

It's sure nice to be back after a two month vacation!!! Lots of interesting loggings this month from 75 reporters. We will try to get them all in..... My thanks go to Bob Butterfield for the great job he did in filling in for me, and good luck Bob in your new job, with all of those trees...Hi!! Just a reminder that all times are GMT and frequencies are in kilohertz....

ALGERIA

9685 2045 RTVA: AA chants, tlk by OM, more chants (333 8/5 Mayer-CA)
 (332 7/20 2130 AA Peck-NY)

ANGOLA

6175 1203 Radio Nacional: PP tlks about Angolan civil war, ID (223 7/29 McCurdy-CA)
 7215 0400 RN: Electronic IS, NA, OM tlk, ARO QRM (222 8/6 Mayer-CA)
 9535 0553 RN: PP tlks, pop mx (333 8/6 Sulak-PA)(322 7/22 0550 Thompson-CA)
 9660 1630 RN: EE/Vern tlks, "Voice of Namibia" pgm (232.7/18 Thompson-CA)

ASCENSION ISLAND

6005 0510 BBC Atlantic Relay: EE tlks on North Sea (434 7/30 Smith-CA)
 (444 8/5 0030 EE Thompson-NM)
 7105 *0545 BBC: tlks in Hausa, 0600-EE WS nx (343 7/14 Smith-CA)
 7270 0504 BBC: EE nx, pop mx, ID (444 7/5 Rounds-CA)
 9580 0200 BBC: IS, ID, TC, World nx, Review of British press (444 8/5 Thompson-NM)
 11770 1615 BBC: EE nx roundup (433 7/30 Naylor-CA)
 15260 2030 BBC: EE w/ 'Sport International' (544 7/24 Hopkins-PA)
 17830 1330 BBC: SS news commentary (7/30 242 Naylor-CA)

BENIN

4870 2250 ORTB: mx and FF ID at 2258 (222 7/21 Getzel-NY)(443 7/14 0421 FF Mayer-CA)(423 7/24 0420 FF Martin-LA)(222 7/20 0445 FF Roper-AL)(252 7/28 0430 FF Moore-PA)

CAMEROON

4750 *0425 Radio Bertoua: drum IS, vern pgm, AA like vocals (312 7/13 Hopkins-PA)
 4850 2245 Radio Yaounde: FF pop mx, anmts till 2300* (333 7/22 Lobdell-MA) The Mauritius logging of last month, I tend to believe is probably Yaounde....wlo
 9745 2215 Radio Yaounde: Tlks in FF, much pop mx QRM de Iraq until 2222 2300* (534 7/17 Hopkins-PA)(322 7/15 0530 EE/FF Roper-AL)

CANARY ISLANDS

11815 *2142 RNE: IS, s/on at 2145, SS mx pgm (433 7/30 Donly-SC)(312 7/29 2146 SS No name-Someplace)

CENTRAL AFRICAN EMPIRE

5038 2241 La Voix de C.A.E.: FF tlks 2300* (322 7/24 Getzel-NY)(poor 8/9 0530 FF Thompson-CA)

CHAD

4904.5 0435 RNT: FF ID, mx (434 7/24 Martin-LA)(333 7/14 0428 FF Mayer-CA)(253 7/18 0442 FF Moore-PA)

CONGO
4765 0408 RTC: FF anmts, mx (333 7/14 Mayer-CA)(253 7/18 0431 FF Moore)
15190 2150 RTC: FF/FF tlks (432 7/31 Earhart-FA)

EGYPT
6230 0220 Radio Cairo: EE news and ID (443 7/7 Wampler-VA)(433 8/7 0320
EE Zilmer-WI)(444 8/12 0315 Cliver-MA)
9475 0325 RC: EE nx w/'Scottish' sounding announcer (544 7/15 Blaize-
LA)(344 7/28 0230 EE Rudolph-AL)(454 7/26 0256 EE Smith-CA)
(434 7/17 0230 EE Thomas-NC)(322 7/8 0310 EE Rounds-CA)
(554 7/28 0252 EE Somers-CA)(444 7/20 0215 EE VanFleet-NY)
9805 2301 RC: EE w/'Music Around the World' (433 7/22 Kawchuk-SASK.)
(342 7/18 2340 EE Snyder-NY)(544 7/30 2245 EE Donly-SC)
15475 1835 RC: AA mx and tlks (333 7/20 Peck-NY)(333 7/20 1116 AA Getzel
-NY)(232 7/30 1100 AA Zilmer-WI)(252 7/12 1804 AA Moore-PA)
17670 1600 RC: AA General Service pgm (333 7/30 Zilmer-WI)(353 7/16
1302 AA Heath-KY)

ETHIOPIA
7165t 0351 Voice of Rev. Ethiopia: IS,NA,TC, AA type mx, heavy ARO QRM
(v. poor 7/6 Webster-CANADA)
9615nf 1500 VORE: EE w/ External Service, mx,nx, ID's QRM de ABC-9610
& VOA-9620 (322 8/3 Rogers-CA)

EQUATORIAL GUINEA
6250 0509 Radio Malabo: Apparent reactivation w/SS anns, ID, NA, tlks
and bouncy drum mx (423 7/26 Lowe-ARKANSAS)

GABON
4777 2345 RTVGabonaise: Lt. Afro mx, FF s/off at 0000* (333 7/24 Maghak-
ian-NY)(343 7/24 2320 FF Peck-NY)(322 7/20 2304 FF Getzel-NY)
(433 7/14 0441 FF Mayer-CA)(222 7/9 0430 FF Roper-AL)(252 7/18
0434 FF s/on Moore-PA)
7270 0440 RTVG: Vern. tlks, nx at 0446 (322 8/4 Brookwell-CA)
15300 1735 RTVG: EE/FF/SS anmts mentioning a new International Service
on 15.3 MHz and another frequency in the 31 mb. Requests
for reports w/ address in WRTVH (B.P. 270 Franceville)
Pgms continued under RFI w/50's and 60's rock mx in FF
f/out by 1805. Have not heard since so perhaps have moved
to another freq. (good under RFI 7/12 Webster-CANADA)

From this month's SPEEDX-GRAM comes this info. from Bob Donly heard over
Sweden Calling DXers on 7/25. The following is the test transmission sked
for RTVG: 0700-1900 on the following- 15300-to Europe/9650-to Middle East/
7200-to West Africa/6030-to the Congo and Zaire. Transmissions are said
to be in French, English, Spanish, German, and Swahili. As noted in Webster's
report above 15300 seems to be a poor choice with RFI on frequency too.

GHANA
4915 0600 GBC: EE ID,TC, nx about international trade (433 7/26 Mayer-
CA)(333 8/5 0605 EE Roper-AL)(444 8/6 0600 EE Heath-KY)(433
7/28 0610 EE Ruggley-IL)(222 8/8 0600 EE Norcross-HI)
6130 2244 GBC: EE ID, poor modulation (353 7/7 Peck-NY)

From BBCMS: Information recently received from the GBC states that owing
to the non-availability of essential spare parts it has not yet been possible
to repair the transmitters at Tema to enable R. Ghana to resume its external
service broadcasts to Europe and North America. Radio Ghana's External
Service, at present only broadcasts on 6130 kHz to West Africa only from
0700-0900 in English and from 1600-2300 in English, French and Hausa.

GUINEA
9650 1829 Radio Nacional: FF tlk by YL, nx w/mx downbeats between items
ID w/echo at 1950 (332 7/30 Donly-SC)(333 7/31 2300 vern
Zilmer-WI)(422 7/26 2200 vern Hopkins-PA)
15310 1902 RN: full FF ID by OM announcer into "Les Afrique du Peuple"
(sic) good signals of late (344 7/29 Lobdell-MA)(433 7/15
1845 FF Peck-NY)(322 7/8 1930 FF/AA Roper-AL)(433 8/5 1457
FF MacCollum-IN)

GUINEA-BISSAU
5041 *0600 Radiodiffusao Nacional: NA, FF s/on by YL, folk mx, xmtr
problems at 0606 (452+ Feck-NY)

More BBCMS items: R. Nacional de Angola's "A" program is now heard during the
evening on 4790 & 3375 w/ no trace of 4820 which was previously used.

IVORY COAST

4940 2340 RTVI: FF ID, nx, mx (353 7/28 Heath-KY)(454 8/3 *0600 FF Howell-CA)(252 7/22 0622 FF Moore-PA)
 7215 0627 RTVI: FF/vern tlks, ID //4940 (433) (443 8/4 Mayer-CA)
 11920 2009 RTVI: FF nx at 2011 (333 7/14 Mayer-CA)(222 7/20 0820 FF/vern Rounds-CA)

LESOTHO

4800t 0554 LNBS: Sesotho tlks, afro mx, "could only be this station" (212 7/23 Getzel-NY)first time heard

LIBERIA

4770 0631 ELWA: EE tlks by OM, good sig but loads of QRN (332 8/4 Mayer-CA)(353 8/6 Heath-KY 0705 EE)
 6035 0650 VOA: EE tlks on World Bank (454 7/15 Smith-CA)(544 7/11 0428 EE Somers-CA)
 6135 0712 VOA/United Nations: EE/Swahili etc. 5 minute segments of various languages. (333 7/7 Rounds-CA) This is UN Radio using VOA's facilities...wlo....
 11860m 2115 ELWA: EE w/afr nx to 2120, ID, relig tlks (343 7/31 Earhart-PA)
 11945 0630 ELWA: IS, multi-lang ID, into AA (434 7/9 Roper-AL)
 15245 0608 VOA: FF tlks, no ID heard, listed freq for VOA (133 7/13 Leonard-CQ)
 15400 0240 VOA: SS history tlk on "Santa Fe" trail (333 8/6 Gaede-CA)

LIBYA

6206t 0344 Mebo II: AA chants w/Quran, tlk at 0356, SPLAJBC mx at 0357, 0400 s/off, carrier on til 0413 (444 8/6 Donly-SC) BBCMS
 Reports that: The transmitter operating on 6206 kHz which is believed to be located on board the former pirate radio ship "Mebo II" has been broadcasting since 7/2, at least, a service which is announced as the "Radio of the Holy Qur'an, Libya." The service which consists of readings from the Qur'an as well as religious talks is on the air from 0600-1800 approximately.....
 9500 2245 PRBS: AA OM & YL tlk (444 8/2 MacCollum-IN)(544 7/2 0045 AA Stone-Ontario)(444 7/19 2330 AA Hagen-IL)(555 7/25 0030 AA Worrel-ND)

MADAGASCAR

5010 0440 Radio Madagasikara: OM tlks in Malagasy, 0500 African mx, gone by 0510 (211 8/11 Roper-AL) Are you sure this wasn't Garoua?
 11730 2047 Radio Nederland: EE "DX-Jukebox" //11740 (444 7/20 Getzel-NY) (343 7/16 2105 EE Smith-FL)
 17810 1225 RN: IS, site ID, s/on at 1230 in Indo. (444 7/29 Donly-SC)

MALI

5995 2350 Radiodiffusion Nat. du Mali: Lite afro mx, FF OM DJ (353 7/28 Heath-KY)(333 8/6 2306 FF Sulak-PA)

MOROCCO

21735 1550 RTVM: AA mx, tlks //15155 (443+ 7/25 Maghakian-NY)

MOZAMBIQUE

3210 0425 R. Mocambique: PF tlks, pop mx, possible nx at 0430 (222 8/10 Mayer-CA)

NIGER

5020 *0528 ORTN: NA, flute IS, FF ID and tlk by OM (342 7/6 Peck-NY) (333 7/8 0528 FF Maghakian-NY)(242 8/6 0531 FF Heath-KY)(322 7/29 0526 FF Webster-CANADA)(332 8/10 0540 FF Mayer-CA)

NIGERIA

4990 0450 Federal Radio Corporation: EE tlks, ID (322 7/10 Peck-NY) (223 7/21 2300 EE Getzel-NY)(353 7/30 *0428 Heath-KY)
 6090 2232 Radio-TV Kaduna: AA mx, EE nx at 2300 (322 7/28 Hopkins-PA)
 7255 0612 Voice of Nigeria: EE anmts by YL (443 7/14 Mayer-CA)(433 8/11 0641 EE Grenier-CA)
 11770 0635 VON: EE world nx, ID, TC (333 8/11 Link-CA)(323 8/2 0730 EE Miller-CA)(454 7/22 0605 EE Hagen-IL)(434 7/22 *0555 EE Trueblood-WI)(333 7/22 0649 EE Rounds-CA)(444 7/29 1230 EE Catey-IL)
 15120 0709 VCN: EE tlks ID, mx (444 7/28 Peck-NY)(333 8/1 0738 EE Grenier-CA)(454 7/16 0613 EE Snyder-NY)

RHODESIA

3396 0436 RBC: EE OM DJ, mx ute on freq (332 8/10 Mayer-CA)(343 7/24
0418 EE Pineault-Quebec)

RWANDA

9565 0513 DW Relay: EE to Africa (333 8/5 Hall-CA)
15410 0115 DW: GG w/relay of football match (253 8/6 Sulak-FA)

SAO TOME E PRINCIPE

4807.5 2300 Radio Nacional: PP ID, NA, 2302* (333 7/17 Webster-Canada)

SENEGAL

4890 0700 R. Senegal: FF nx, mx (322 8/11 Roper-AL)(232 7/22 0627 FF
Moore-PA)(322 8/4 0635 FF Mayer-CA)(433 7/26 *0600 FF/AA
Hopkins-FA)

SEYCHELLES

9545 0313 FEBA: Unid lang, IS, "tons of QRM"(poor 7/18 Webster-CA)
9615 *0315 FEBA: EE ID into LL, co-channel QRM de RCI (221 7/9 Novello)
11755 *0304 FEBA: IS w/ID's in EE etc., pgm in ? (343 8/8 Donly-SC)
15325 *1600 FEBA: EE w/'Back to the Bible' (333 7/31 Norcross-HI)(222
7/16 *1527 unid Naylor-CA)

SIERRA LEONE

5980 *0557 SLBC: IS "The Rain is Coming", time pips, EE ID (343 7/24
Lobdell-MA)(fair 7/18 2320 EE Webster-CA)

SOUTH AFRICA

3200 0345* Springbok Radio: Afrikaans tlk, EE ID (444 7/13 Howard-CA)
3215 0600 Springbok R.: EE wx rpts (333 8/6 Fisher-MA)
3250 0320 SABC: EE tlks on the military (good 7/13 Webster-Canada)
3980 0420 Springbok R.: EE ads, anmts (222 7/14 Moore-PA)
4990 0254 SABC: EE ID's, commentary (343 7/18 Thompson-NM)
5980m 2300 Radio RSA: EE w/'Saturday Nite RSA' (454 8/5 Carrier-FL)
7270 0400 R. RSA: EE ID, tlks about SW Africa (433 7/26 McCurdy-CA)
9585 *2220 R. RSA: EE IS, ID, s/on, nx (533 7/21 Snellman-PA)
11745nf 2230 RSA: EE nx, commentary, "this is beamed to NA and is a poor
choice of a frequency. Help from ANARC FRC is needed"
(422 7/28 Zilmer-WI)
11800nf 2230 RSA: EE w/new 500kw xmtr, sked to NA //s of 11745,9585 not
heard. (fair ??? Brookwell-CA)
11900 1435 RSA: EE w/'Saturday Nite RSA' (554 8/5 Carrier-FL)
11935 0820 Springbok R.: EE ads, soft rock mx (232 7/7 Rounds-CA)
15125nf 2230 RSA: EE to NA //9650, 9585, 5980 (322 8/6 Zilmer-WI)
15220 1135 RSA: Vern tlks, mx program, IS at 1155 (333 8/1 Gaede-CA)
17770 *0656 RSA: FF s/on, nx (444 7/10 Ledlow-TX) 17780 ??? ...wlo
17780 0626 RSA: EE w/'Good Morning Africa' (333 7/27 Burgess-SK)
21535 1436 RSA: EE nx, TC's, ID (444 7/28 VanFleet-NY)
Sorry I had to cut some reporters, but all freqs are listed above.....wlo

SUDAN

11835t 0635 R. Omdurman: AA chants, QRM de HCJB-11835 (212 7/22 Hage-IL)

SWAZILAND

3223 0350 Radio SR:EE pop mx, TC's GMT+2, ID (444 7/13 Howard-CA)
4760 0415 TWR: Lang tlks, IS (333 7/14 Mayer-CA)
4980 0435 Radio SR: EE pop mx, ads, ute QRM (422 7/29 Heath-KY)
5055 0450 TWR: EE religous tlks, 0500* (333 7/24 Martin-LA)
11955 0629 TWR: Afrikaans ID, tlks (222 7/25 Hall-CA)

TANZANIA

15435 0355 R. Tanzania: EE mx, ID as Ext. Service (222 8/9 Fisher-MA)+6

TOGO

5047 0600 RTT: FF tlks, afro mx (232 7/21 Thompson-CA) +4 other reporters

TUNISIA

15225 0427 RTVT: AA s/on at 0431, tlks and chants (343 7/24 Donly-SC)+4

UGANDA

15325 0400 UBC: W/EE test transmission to NA (443 8/2 Snellman-PA) +22!!!

UPPER VOLTA

4815 0609 RTVV: chants into FF tlks (222 8/9 Mayer-CA) 73's Wayne.

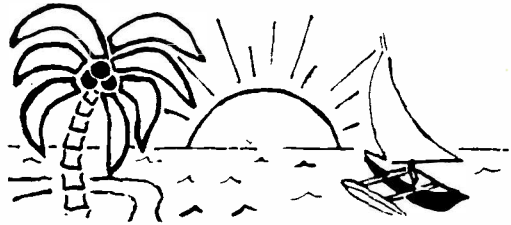
ZAIRE

15350 2104 La Voix du Zaire: FF tlks, ID (343 7/16 Hagen-IL)(Mellinger-NJ)

ZAMBIA 0428 ZBS:Vern tlks, ID (232 7/17 Lowe) THAT'S IT!!! BCNU IN 30..wlo

ASIA-OCEANIA

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DEADLINE: 15th of the month

Frequencies in KiloHertz Time in GMT month/day format
a=approximate h=harmonic m=measured t=tentative *0000=s/on 0000*=s/off

FREQ	TIME	LOCATION	BS	ASIA	TRT
AFGHANISTAN					
4775	1303	CA RA: Urdu? chanting, no mx, brief ancmts, ID (Howell 7/22 343)			
BANGLADESH					
15520	*1230	HI RB: EE w/ Asian nx, cmtry, 1240*? (Norcross 7/27 232)			
15550	1235	FRANCE RB: EE nx, radio nxreel, mx, 1300* (Mougenot 8/6 433) nf?, reb			
17720	t 1240	PA RB: EE w/ soft pop mx, 1300*, no ID (Sulak 8/4 322) likely, reb.			
BURMA					
5985	1530	BBS: EE w/ mx, OM ancmts, 1600*, severe het. (Norcross 7/31 322)			
CHINA					
3340	1159	Hailar: CC march mx, tkl by YL (McCurdy 8/5 322)			
3640	*1000	Fujian Front Sta. 1: CC w/ IS, ID, tkl (McCurdy 7/30 233)			
3970	1001	Huhhot: CC tkl, relay Beijing HS (McCurdy 7/29 333)			
4035	1047	Lhasa: Tibetan tkl by YL, child. vocals, 1110 CC ID (McCurdy 7/29)			
4068	1209	Huhhot: Mongolian (TBS) w/ YL tkl, CC mx (Howell 8/1 343)			
4110	1310	Urumqi: Uighur w/ lite mx, tkl (nx?) by YL (McCurdy 7/31 333)			
4190	1245	Beijing HS: Mongolian mx by YL, tkl, no ID (McCurdy 7/31 222)			
4380	1130	FFS 2: CC march mx, ID, tkl by OM/YL (McCurdy 8/3 543)			
4460	1203	Beijing 1: CC ID, nx by YL, some vocals (McCurdy 8/2 344)			
4750	1050	Hailar: CC w/ assembly tkl w/ OM answering (McCurdy 7/30 435)			
4800	1233	Beijing 1: CC tkl by OM, // 6750 (McCurdy 7/29 333)			
4925	0950	Harbin: CC OM tkl, YL vocals, CC ID @ 1000 (McCurdy 8/1 333)			
5010	1301	Guangxi: CC OM w/ vocals, marches, ID, then nx? (McCurdy 8/1 232)			
5240	1300	FFS 1: CC w/ stringed mx, vocals, OM/YL cmtry (Howarth 8/3 454)			
5880	1209	Beijing 1: CC end of tkl by YL, vocals (McCurdy 8/2 555)			
5915	1255	RP: Mongolian tkl by OM, 1300 ID (McCurdy 7/31 333)			
5935	*1000	Lhasa: electronic IS, not "EIR", ID, tkl in CC (McCurdy 8/7 343)			
5970	1102	Gansu: CC OM tkl on farming, ID @ 1100 (McCurdy 8/1 232)			
6260	1221	Qinghai: CC? w/ rev. mx, OM tkl (McCurdy 7/27 555)			
6345	*1245	Beijing 2: CC w/ rev. mx, YL tkl (McCurdy 7/30 222)			
6430	1027	RP: Korean tkl by 2 OMs on China/U.S. (McCurdy 7/31 444)			
6620	1310	Hangzhou: CC OM tkl, YL some mx (McCurdy 7/31 443)			
6750	1238	Beijing 1: CC tkl by OM, // 4800 (McCurdy 7/27 322)			
6765	1231	FFS 1: CC YL singing a war ballad, 1231 ID, mx (McCurdy 7/27)			
6790+	1234	RP: CC svce to Taiwan (McCurdy 7/27 322) (McCurdy)			
6920	1201	Beijing 1: CC ID, nx? by YL, some vocals, // 4460, 5580, 7935			
7025	1040	FFS 2: CC w/ firm tkl by OM (Rounds 7/6)(Naylor CA @ 1317)			
7090+	1240	RP: CC mx, tkl in u/lang (McCurdy 7/27 333)			
7190	1022	Beijing 2: CC vocals by OM/UL, 110 ID, // 7770 (McCurdy 7/30 444)			
7935	1259	Beijing 1: CC pgm, // 12120 (McCurdy 8/4 333)			
8007	0930	Beijing 2: CC tkl, 0950 mx, 1000 ID (McCurdy 7/29 333)			
8240	1150	RP: SS w/ vocals, ID, freqs, 1200 EE, // 11685, 15080 (McCurdy)			
8320	1030	Beijing 2: CC tkl by YL, children singing, // 12200 (McCurdy)			
8565	1037	RP: CC tkl by OM/YL, mx (McCurdy 7/31 323)			
9020	0953	Beijing 2: CC w/ local mx, YL ancmts (Moore 8/9 252)			
9490	1150	Lhasa: YL w/ tkl, OM singing, CC ID @ 1200 (McCurdy 7/30 323)			
9820	1000	RP: EE nx to 1014, cmtry, mx (Zillmer 7/29 343)			
9920	*0930	RP: "EIR", JJ ID, s/on w/ nx by OM (McCurdy 8/5 555)			
9965	1010	RP: EE on relations w/ Viet., lang. lessons (Catey 7/27 444)			
10090	0932	Beijing 1: CC mx by YL, cmtry (McCurdy 7/31 222)			

CHINA (continued)

10245 1613 CA Beijing 1: CC tlk by OM/YL, Oriental mx (Grenier 8/3 333)
 11000+ 1127 CA RP: CC mx, tlk, no ID past 1200 (McCurdy 7/29 323)
 11040 0800 CA Beijing 2: CC mx, tlk, ID (McCurdy 7/30 444)
 11330 1037 PA Beijing 1: CC YL ancr, mx (Moore 7/18 352)
 11375 2230 NY RP: IS, s/on in u/lang, CC mx, tlk (Maghakian 7/25 232)
 11500m 2147 NY RP: EE tlk on Viet., lite mx, ID (Maghakian 7/25 232)
 11505 0848 CA Beijing 2: pgrm of CC songs (Hall 7/27 444)
 11685 1410 CA RP: AA? OM tlk, background mx, 1425* (Naylor 7/24 433)
 11695 1130 NY RP: SS w/ IS, "Aqui R. Peking" ID, YL tlk (Getzel 7/13 333)
 11720 0856 HI RP: EE "Let's Learn CC" (Streveler 7/24)(Moore PA)(Hall CA)
 11945 1200 WI RP: EE nx to 1215, mx, cmtry (Zilmer 7/30)(McCurdy CA)(Brodsky)
 12055 0200 CA RP: EE tlk on US relations, sked, // 7680 (McCurdy 8/3 433)
 12120 1301 CA Beijing 1: CC // 3340 (McCurdy 8/4 333)
 12420 0841 CA Beijing 1: CC OM/YL tlk, // 15550, 15590 (Hall 7/27)(McCurdy)
 15030 1109 NY Beijing 2: CC w/ continuous tlk by YL (Getzel 7/20)(Hall CA)
 15045 1607 WA RP: EE nx (Mappin 7/12 544)(@ 1745 Somers CA)
 15060 *0000 CA RP: EE w/ "EIR", OM nx, // 17680 (McCurdy 8/3)(Brodsky NY)
 15095 1519 CA RP: CC tlk, inst. mx, 1555* (Naylor 7/30 444)
 15220 *0200 WI RP: IS, EE ID, nx (Zilmer 8/5 332)
 17635 0211 CA RP: SS to LA, political (Brookwell 7/25 222)
 17680 0140 MD RP: EE w/ "Learn to Speak CC" (Kegel 8/8)(Van Fleet NY)(Stone
 ONT)(Worrel ND)(Fraser MA)(Maghakian NY)(Stone ONT)(Brookwell)
 17705 0229 CA RP: CC to NA, tlk (Brookwell 7/25 222)
 17735 0144 WI RP: SS w/ CC mx, ID, tlk (Trautschold 7/30 232)(Brookwell CA)

CYPRUS

9695 *2215 ONT CBC: Greek nx, Buzukia mx (Buhagiar 8/6)(Novello NY)(Donly SC)
 15420 0405 VA BBC Limassol: EE w/ world nx (Wampler 7/28)(Rounds CA)(Zilmer)
 17885 1553 CA BBC Limassol: EE OM tlk on economy (Hall 7/31 444)

INDIA

3375 1528 JPN AIR Gauhati: EE w/ TC, OM/YL ancr, cmtry (Kato 8/2 333)
 9705 *1115 WI AIR: IS, ID, u/lang tlk, mx to 1135, 5 min. nx (Zilmer 7/22)
 9912 2207 NY AIR: EE tlk on agri., Mideast (Getzel 7/29)(Donly SC)
 11620 2108 NY AIR: EE nx by YL (Getzel 7/23)(Stickle NY)(Peck NY)(Maghakian)
 11725 1030 HI AIR: EE tlk, play, // 11775 (Norcross 8/10)(Streveler HI)
 11740 2200 WI AIR: EE nx, cmtry, sked, 2230*, // 11725 (Zilmer 7/29 322)
 11810 1420 CO AIR: EE w/ Sitar mx (Leonard)(Osterman OH)(Heath KY)(Link CA)
 15125 1804 HI AIR: EE nx on Viet./China by OM (Norcross 8/10 333)
 15335 *1130 NY AIR: tamboura/flute IS, Tamil w/ ID?, film mx (Novello 7/29)

ALL INDIA RADIO

INDONESIA

3215 1256 WA RRI Manado: Indo w/ ID, Jakarta nx, soap opera (Steen 8/13)
 3345 1140 CA RRI Ternate: Indo tlk by OM/YL, mx, 1220 TPs (Forsman 7/14)
 4855 1405 CA RRI Palembang: Indo OM tlk, nx? (Howell 7/23 252)
 4885 1240 WA RRI Bukittinggi: Indo mx, nx, heavy QRM (Steen 8/14)
 11790v 1430 AL VOI: EE YL ancr, Indo mx (Roper)(Kawchuk SASK)(Skora ONT)
 (Elder SASK)(Heath KY)(Somers CA)(Webster ???)(German @ 1556
 Hall CA)(Thai @ 1520 Leonard CO)(EE @ 0100 Norcross GUAM)+++
 17725 1810 CA VOI: Indo? w/ mx, tlk, IDs, 1830*, VOA QRM (Thompson 7/21)
 (Thompson NM)

IRAN

9022 1800 FRANCE VOI: FF nx, Persian mx, 1830 EE (Mougenot)(Farsi @ 0200
 15084 2257 TX VOI: Farsi nx on hr., Persian mx (Ledlow)(Buhagiar ONT)
 (Martin LA)(Hagen IL)(Thomson CA)(Hall CA)(@ 1600 Mappin WA)
 (Moore PA)(@ 0200 Stone ONT)(Thompson NM)(Lindsey NJ)(?????)
 15120 1000 FRANCE VOI: Farsi nx, tlk, mx (Mougenot 8/6 555)

R. B. I.

IRAQ

9745 2200 NJ RBI: EE nx, local mx (Billier)(Getzel NY)(Catey IL)(Fraser MA)
 11935 0300 FL RBI: EE to Nam, YL nx, freq., ID, Portugal QRM (Leonard 7/16)

Israel Broadcasting Authority

9435 2230 MA IBA: EE nx, editorials, // 9815, 11655, 15485 (Fraser 7/13).
 9815 2002 FL IBA: EE nx, mailbag pgrm, "DX Corner" on ANARC convention
 (Carrier 8/6)(Van Fleet NY)(Stickle NY)(@ 2250 Kawchuk SASK)
 9835 0500 HI IBA: EE/FF w/ nx, wx, press revlws, FF @ 0515 (Harada 7/30)
 11640 2000 MD IBA: Hebrew HS w/ nx, tlk on Vance in Egypt (M. Diamond 8/7)
 11655 2235 -- IBA: EE nx, "Round and About" (Mills 7/13 TURKS AND CAICOS)
 (Hrivnak IL)(@ 2010 Hogan NC)(Carrier FL)(@ 0502 Martin LA)+
 11960 0503 FL IBA: EE nx, ID, swing mx (Smith)(Grenier CA)(Somers CA)
 15105 0500 LA IBA: EE nx, mx, TPs, 0515 FF (Monjure 7/8)(Matwiejczyk MI)
 15230 2230 WI IBA: EE nx, Israeli nx, heard under Cuba (Zilmer 7/21 322)
 15410 0334 ?? IBA: IS, Russian pgrm, strong sig. (Webster)location please

ISRAEL (continued)

15485 2250 CA IBA: EE tlc, 2300* (Miller)(Link CA)(Rudolph AL)(Carrier FL)
15530 *1200 HI IBA: EE OM nx (Norcross 7/27 222)
15547 0404 CA IBA: AA? tlc, nx (Forsman 7/20)(Hebrew @ 2051 Getzel NY)
17685 2240 VA IBA: EE nx, "Voices from Israel", Heb. ID (Hill 7/19)(Donly SC)
17710 2230 WI IBA: EE nx, cmtry, mx, freqs., sked (Zilmer 7/20 332)
21495 1202 NC IBA: EE w/ world nx (Hogan 7/18 343)

NSB

JAPAN

3377 1132 CA NHK Osaka: JJ? OM/YL tlc, mx, FAX QRM on 3379 (Forsman 7/29)
6055 0939 CA NSB: EE/JJ w/ interview w/ US officer in Japan (Rounds 7/14)
6155 0945 CA FEN: EE tlc, "Nxbreak", ID (Rounds 7/14 433) ONT)
9505 1430 TX R. Japan: JJ w/ "Tokyo Rpt" (Uyeno 7/24)(EE @ 1100 Buhagiar
9585 0800 KS RJ: EE nx (Wheeler 7/26 323) SC)
9595 1545 CA NSB: EE w/ "Tokyo Forum", ads (Grenier 8/5)(JJ @ 1300 Donly
11815 1420 CO RJ: EE/JJ in GOS, nx, cmtry (Leonard)(Elder SASK)(Hagen IL)
11940 0956 NY RJ: "Kazue Uta" IS on Glockenspiel, JJ/CC pgm (Peck 7/10)
15105 *2000 LA RJ: EE w/ IS, EE/ JJ ID, nx (Blaise 7/10)(Rust OR)(Mappin WA)
15235 1030* NY RJ: EE w/ "1 in a Hundred Million" (Utter 7/24)(Zilmer WI)
15270 0045* CT RJ: EE to ECNA (Franz 8/6)(Pokatloff IL)(Schmucker NE)+++
15310 1430 NY RJ: EE press review, then JJ (Novello)(Pecena IN)(Naylor CA)
17725 0210 OR RJ: EE w/ Asian nx, "Japan Today", 0230 SS (Rust 8/10)(Hall)
17755 0151 NY RJ: EE ID, "Music Time" (Van Fleet 7/20)(Link CA)(Brookwell)
17825 0150 MN RJ: EE YL, JJ mx, 0200 "Tokyo Calling" w/ DX nx (Hodsdon 7/
17880 0300 OR RJ: EE ID, nx, "Current Topics", CW QRM (Chan 7/20 334)
21535 0813 CA RJ: EE mx, OM ID (Hall 7/27 211)

RADIO JAPAN

DEMOCRATIC PEOPLES REPUBLIC OF KOREA

6770v 1229 CA R. Pyongyang: SS tlc, down from 6773 yesterday (McCurdy 7/27)
9420 1552 CA RP: u/lang pgm, mx (Gaede 7/20 222)
9977 1005 PA RP: RR tlc, anctms, jammed (Moore 7/19)(EE @ 1107 Pecena IN)
(Hagen IL)(Miller CA)(Thompson NM)(Howell CA)(@ 1212 Brodsky)
11350 1024 PA KCBS: KK w/ YL choral mx (Moore)(Naylor CA)(Getzel NY)(Grenier
11530v *1100 RP: EE YL w/ ID, xn (Pecena 7/30 241)(Getzel NY)
11780 0900 HI RP: FF tlc on imperialism, colonialism (Streveler 7/24 444)

REPUBLIC OF KOREA

9525 1020 ?? R. Korea: EE tlc, ID, requests rpts, 1030 SS (Webster 7/20)
9640 *1600 SASK RK: IS, ID, freqs, EE nx (Elder)(Thompson CA)(Rounds CA)
9720 1605 SASK RK: EE tlc, "KBS Magazine", march mx (Kawchuk 7/23)(Link CA)
(Hodsdon MN)(Worrel ND)(Thompson CA)(Harrington CO)(Grenier)
11965 1150 IL RK: tlc on KK/EE langs. (Hagen)(Mougencot FRANCE)(Getzel NY)
15205 0652 CA RK: EE YL w/ nx (Hall 7/18 322)

RADIO KOREA

KUWAIT

12085 1900 ENG RK: EE w/ request pgm (Proom 7/7)(Gagnon NH)(Streveler HI)
21605 1226 NJ RK: AA w/ slow chants, OM tlc, poor mod. (Famularo 7/21 322)

LEBANON

11965 0233 KY RL: EE ID, mx, Peters 7/24)(Van Fleet NY)(Wampler VA)(Martin
LA)(Hill VA)(Matwiejczyk MI)(Lindsey NJ)(Brodsky NY)(Famularo)
17765 1829 SC RL: 1000hz. tone, anth., *1832, EE tlc, lite mx (Donly 7/30)

MALAYSIA

7295 1400 CA R. Malaysia-Penang: EE w/ news (Cook 7/16 454) 10)
9665 1120 HI RM-Kuala Lumpur: EE/BM w/ business nx, 1130 BM (Norcross 8/
9720 *0930 HI BBC-FE relay: EE s/on (Streveler 7/24 434)
9740 1635 CO BBC FE relay: EE w/ classical mx, 1630 sport (Leonard 7/13)
9750 1600* CA VOM: AA w/ EE rock mx, ID, anthem, off (Thompson 8/9 333)
11750 1116 NY BBC FE relay: EE tlc on Swiss military (Getzel)(@ 1310 Hagen)
11910 1213 CA BBC FE relay: IS, Thai pgm (Hall 8/5 544)
15295 0855* PA VOM: EE w/ Malaysian nx (Sulak 7/24)(@ 0628 Norcross)(Webster
15310 0908 CA BBC FE relay: EE OM world nx (Hall 8/2 231)
15380 0300 WI BBC FE relay: EE world nx, nx about Britain (Zilmer 8/2 443)

Sabah

4970 1145 HI RM Sabah: Bahasa Malaysia w/ pop mx (Norcross 7/27 333)

Sarawak

4950 1400 CA RM Sarawak-Kuching: EE IC, ID, OM nx (Grenier 8/2)(Thompson
5030 1445 CA RMS-Kuching: Bidayah w/ YL tlc, C & W mx (Thompson 7/27 242)
7160 1217 CA RMS-Kuching: EE nx, pop mx, ARO QRM (Grenier 8/1 433)

MONGOLIA

12070 *1220 AR R. Ulan Bator: EE mx, ID "This is R. UB. Voice of...", then
nx (Lowe 8/7 232)(Norcross HI).....

NEPAL

3425 1434 JPN R. Nepal: EE w/ fanfare, local mx, nx (Kato 7/25 333)

PAKISTAN

5107 1410 JPN RP Islamabad: HS w/ u/lang tlk, ID, local mx (Kato 8/2 433)
9690 0630 CA RP: EE ID, freqs, nx, 0645 ID, not listed (Hall 8/8 322)
11678 1945 NY RP: Urdu? w/ Pakistani film mx, flutes & tabla, 2145* (Peck)
15325 0340 HI RP: EE nx, 0345 Gujarati pgm (Norcross 8/10 333)
15405 1100 WI RP: Urdu then EE nx to 1115 (Zalmer 7/20 242)
17830 0230 IN RP: IS, ID, EE w/ slo speed nx, 0245* (MacCollum 8/3)(Jones MS (Worrel ND)(Heath KY)(Webster)(Skora ONT)(@ 2235 Catey IL)+++
17845 *0200 NJ RP: IS, EE ID, Indo pgm, // 21730 (Famularo)(Blaize LA)
21590 0404 CA RP: Urdu? w/ Asian mx, // 17830 (Mayer)(EE nx @ 0230 Norcross)
21660 1110 FRANCE RP: EE nx to 1115 (Mougenot 8/7 555)



PHILIPPINES

3286 1327 JPN DPI R. One: EE mx, ID (Kato 7/25 333)
6010 1330 WA VOA: EE ID, Korea pgm (Mappin 7/16)(EE @ 1300 Thompson NM)
9590 1440 CA R. Veritas Asia: EE w/ RV "Listeners Int'l" DX nx (Miller 8/7)
9715 1530 CA FEBC: CC OM/YL w/ relig. tlk, mx (Thompson 8/2 433)
11765 0902 PA FEBC: EE w/ "Back to the Bible" (Moore 7/19 353)
11850 0900 NJ FEBC: EE relig. tlk, "R. FEBC Intl'l" ID (Biller 7/24)
11955 1401 CA EVA: EE OM sked, mx, IDs, tlk (Hall 8/4 322)
15165 *1400 CA RVA: EE nx, arts & sciences pgm, cmtry (Cook 7/21 323)
15300 1140 SC FEBC: Indo tlk, ID, tlk w/ lite mx (Donly 7/26 433)
15390 0435 CA FEBC: EE nx, relig. pgm (Mayer 7/14 343)
15450 *2300 CA FEBC: mx, relig. tlk, letters (Thompson 7/19 323)
17810t 0010 NY FEBC: EE OM w/ relig. tlk organ mx, no ID (Getzel 7/25 131)

radio veritas

SA'UDI ARABIA

11683t 1950 NY BSKSA: AA folk mx, OM vocal w/ flutes and Darouka (goblet-shaped drums), AA tlk, mx w/ drums, 2100* (Peck 7/7 232+)...
11855 1940 NY BSKSA: EE rock mx, ancnmts, ID (Getzel 7/23)(Mougenot FRANCE)
15150t 1750 PA BSKSA: AA w/ chants (Moore 7/12 242)
21640t 1345 KY BSKSA: AA w/ drama, bell chimes, gong @ 1400, nx (Heath 7/16)

SINGAPORE

11940 0907 ?? RS: mx, TPs, TCs, ID, ads, YL DJ (Webster 7/20)(@ 1500 Hagen IL)(Link CA)(Cook CA)(Somers CA)(Rounds CA)(@ 2230 Mayer CA)

SRI LANKA

11835 1100 MA SLBC: EE w/ Western mx, TC, relig. pgm (Fraser)(Getzel)(Navello NY)
15120 1115 JPN SLBC: EE "R. Monitors International" (Kato 7/24)(Norcross HI)
15185 2326 CA VOA-Colombo: EE pop mx, ID, freqs (Rounds 8/5 222)
15425 0115 MA SLBC: EE w/ "Monday Morning Show" (Fisher 8/6)(Brown MI) (Osterman OH)(Getzel NY).....

SRI LANKA BROADCASTING CORPORATION

SYRIA

15290t 1930 AL R. Damascus: AA mx, 1930 TPs, nx? by YL/OM (Roper 8/1 322)

TAIWAN

9715 2232 OR VOFC: EE "Mx in Taiwan" (Chan 7/6 444)
11860t 1230 NY VOFC: Mandarin tlk, CC orch./vocal mx (Peck 7/10 222-)
17720 2200 GREECE VOFC: EE w/ local mx (Constantinides 7/20 333)
17890 0037 NY VOFC: CC tlk, interspered w/ mx, EE @ 0100 (Getzel 7/24) (Miller CA)(Chan OR)(EE @ 2200 Cook CA)(Rounds CA)(Thompson NM)

VOICE OF TURKEY

TURKEY

7170 0350 NY VOT: Turkish w/ celesta IS, Turkish folk mx w/ saz orch. & Qanun, EE ID, then Turkish tlk by OM (Peck 7/23 444)
7270 1530 GREECE VOT: Greek nx, DX pgm (Constantinides 7/12 444) / 7170 &
9515 2130 MA VOT: EE nx, press review, "Album of Turkey", Turkish mx, // (Fraser 7/13 444)(Buhagiar ONT)(Famularo NJ)(Getzel NY).....
9665 2230 SC VOT: EE w/ TPs, nx, 2235 DX Corner, mailbag (Donly 7/17 332).
11800 0620 CA VOT: Turk. mx (Smith 7/22)(@ 1458 Webster) your Sudan logging
15145nf 0425 NY VOT: Turkish saz mx w/ kasiklar (wooden spoons clacked together), OM vocal, tlk, // 7170 (Peck 7/12 544)(Maghakian NY)

UNION OF SOVIET SOCIALIST REPUBLICS

4975t 1140 CA Blagoveshchensk: RR w/ ID?, local folk mx, tlk (Howard 7/29)
5015 1144 AR Vladivostok: RR w/ soft classical mx, // 4485 (Lowe 7/26 444)
9448 1555 CA R. Moscow via Moscow?: flute like mx, 1600 anthem (Gaede CA)
9510 1430 CA RSP&P via Serpukhov?: IS, CC s/on (Hall 8/4 333)
9615 0700 VA RM via unknown site: EE OM/YL nx (Hall 7/19 322)
9685 0200 CO RM via Simferopol: EE nx, cmtry (Harrington 7/25 454)

U. S. S. R. (continued)

9700 0200 MN RM via Sofia: EE nx, cmtry by YL, // 9685 (Hodsdon 7/2 322)
 9705 0730 CA Mayak pgrm via Lvov: IS, RR YL tkl (Hall 7/17 332)
 9800 0045 MD RM via Kazan: EE w/ letterbox pgrm (M. Diamond 8/8 323)
 11690 1029 CA RSP&P via Khabarovsk: IS, Peking QRM (Hall 8/5 222)
 11720 0215 CO RM via Nikolayev: EE w/ "Moscow Mailbag" (Harrington 7/23 555)
 11815 0815 CA RM via unid site: EE OM nx, YL cmtry (Hall 7/23 444)
 11820 *0830 CA RM via Krasnoyarsk: EE w/ IS, s/on, nx (Hall 7/15 333)
 11850 0045 MD RM via Simferopol: EE w/ Leningrad Dixieland Band (M. Diamond)
 11910 0758 CA RM via Moscow?: IS, 0800 JJ pgrm (Hall 8/10 322)
 12020 1900 MN RM via Riga? or Armavir?: FF w/ ID, OM/YL tkl (Hodsdon 7/4)
 12050 0315 CA R. Kiev via Petropavlovsk: EE classical mx, // 12060 (Hall)
 15100 0648 CA RM via Vladivostok: EE tkl on Chinese in Viet. (Gaede 8/5)
 15130 0753 CA RM via Petropavlovsk: EE w/ "Life in the Soviet Union" (Hall)
 15180 0300 NY R. Yerevan via Nikolaevsk: IS, Armenian tkl, QRM de Peking, pulser, 0321-4 EE (Peck 7/23 332)(Maghakian NY).....
 15400 0542 CA RM via unid site: EE YL nx, // 15100 (Hall 7/13 232)
 15425 0406 ?? RM via Petropavlovsk: EE to WCNA (Webster)(Harrington CO)
 21575 1334 NY RSP&P via Moscow: EE nx by OM (Maghakian 7/9 242+)

Georgian S. S. R.

5040t 0328 NY R. Tbilisi: Georgian "Krimanchuli" (yodeling) folk singing by male chorus heard faintly under het., off @ 0330 (Peck 7/23).

Kazakh S. S. R.

4615 1334 CA Pavlodar: RR w/ classical mx, YL tkl (Howell 7/11 343)
 9780 *0000 ?? R. Alma Ata: RR/Kazakh w/ anthems, RR nx, exercises (Webster)

Kirghiz S. S. R.

11740 1134 NY RSP&P via Frunze: EE w/ Amin's statement on racism! (Getzel 7/21)
 12050 1330 FL RSP&P via Frunze: EE "Asian Panorama" (Carrier 7/29 433)
 17825 *0359 NY RM via Frunze: EE w/ IS, ID, OM nx, // 17880 (Maghakian 7/28)

Uzbek S. S. R.

15460 *1200 NY R. Tashkent: chang (hammered dulcimer) IS, EE ID "R. Tashkent Calling" by YL, tkl, Uzbek folk mx (Peck)(Pecenka IN)(Buhagiar)

RADIO TASHKENT

VIETNAM

7375 1032 CA Hanoi 1: Viet singing by YL, tkl by OM (Rounds 7/6 222)
 10010 1100* TX VOV: Viet? tkl, mx (Julian 8/9)(Viet @ 1545 Thompson CA)
 10040 *1100 WI VOV: EE nx, press review (Trublood 7/27)(Mellinger NJ)(Moore PA)(Brown MI)(Carrier FL)(@ 1600 Link CA)(Thompson CA).....
 10060 1020 PA Hanoi 1: Viet OM tkl (Moore 7/19)(Getzel NY)(Carrier FL)
 10225 1040 PA Hanoi 2: Viet OM/YL cmtry, local mx (Moore 8/5 252)
 12035 1015 NY VOV: EE tkl on China, orch. mx, // 10040 (Peck)(Carrier FL)
 15009v 2050 MI VOV: EE tkl on relations w/ China (Brown 8/10)(Getzel NY)(Thompson CA)(@ 1800 Zilmer WI)(Somers CA)(Thompson NM)(Donly)

YEMEN ARAB REPUBLIC

9780 0320 SC R. San'a': Qu'ran, OM AA tkl, mx to 0431 (Donly 7/30)(Peck NY)

PEOPLES DEMOCRATIC REPUBLIC OF YEMEN

5060t 0413 PA DYBS: Arabic OM/YL ancmts (Moore 7/28 354)
 7190 0307 SC DYBS: AA w/ slo chanting, mx, tkl, mentioned Yemen (Donly 8/1)

A. B. C.

OCEANIA



ANTARCTICA

6012 0649 LA AFAN-McMurdo: EE w/ pop mx, tkl, OM ID (Martin 7/18 221)

AUSTRALIA

4920 1055 PA C=Canarvon L=Lyndhurst S=Shepparton (PA) ABC Brisbane: EE tkl on microwaves, LA QRM (Sulak 8/7)(Moore)
 6005 0730+ KS RA(C): EE nx, special interest pgrm (Wheeler 7/5)(Grenier CA)
 6140 1050 WI ABC Perth: horse racing rpt, // 9610 (Worman 7/29)(Moore PA)
 6150 1338 CA ABC Melbourne: EE w/ jazz show, ID, world nx @ 1355 (Naylor)
 7240 1235 KY RA(S): OM w/ Australian nx (Heath 8/5 343)
 9505 1800 CA RA(S): OM w/ world nx (Hall 8/2 344)
 9540 0835 WI RA(S): OM w/ Australian nx, ID, C & W mx (Trautschold 7/24)(Carrier FL)(Worman WI)(@ 1200 Pecenka IN).....
 9580 1200 IN RA(S): TPs, world nx, "Australia Tonite" (MacCollum 8/3 454)(Earhart PA)(Hagen IL)(Rudolph AL)(Carrier FL)(Buhagiar ONT)(Matwiejczyk MI)(Worman WI)(Thompson NM)(Fraser MA).....
 9610 1015 NY ABC Perth: coverage of Commonwealth Games, // 15425 (Stickle 8/6)(Getzel NY)(Kawchuk SASK)(Webster)(Earhart PA)(Leonard CO)

راديو افغانستان



RADIO AFGHANISTAN



PAKISTAN BROADCASTING CORPORATION

AWR



VOA



Radio Maldives

35 N +

30 N +

25 N +

20 N +

15 N +

10 N +

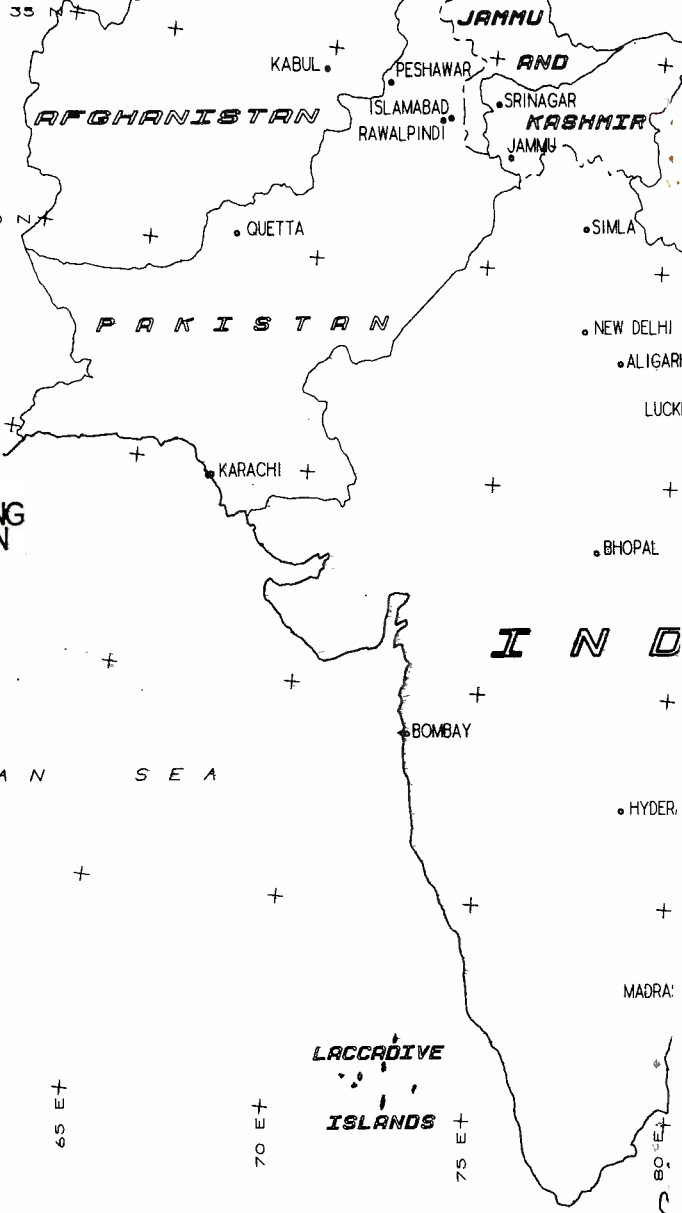
60 E +

65 E +

70 E +

75 E +

80 E +



ARABIAN SEA

INDIAN OCEAN

LACCADIVE ISLANDS

MALDIVE ISLANDS

JAMMU AND KASHMIR
KABUL
PESHAWAR
ISLAMABAD
RAWALPINDI
QUETTA
KARACHI
BOMBAY
SIMLA
NEW DELHI
ALIGARH
LUCKNOW
BHOPAL
HYDERABAD
MADRAS
COLOMBO

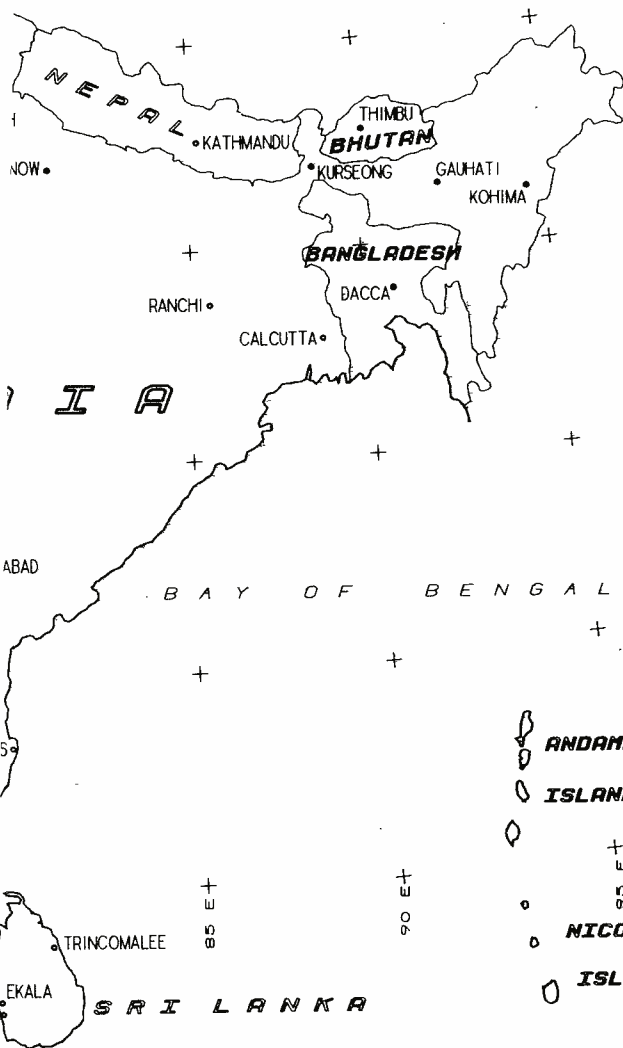
THE INDIAN SUBCONTINENT



○ SHORTWAVE TRANSMITTER SITES



MASK DANCES, BHUTAN



RADIO BANGLADESH



REB 05/78

AUSTRALIA (continued)

9660 0803 CA ABC Brisbane: OM w/ ABC nx, ID (Hall 8/9 434)
 9680 0943 PA ABC Melbourne: mx pgm, QRM de AFRTS 9685 (Sulak 8/7 222)
 9770 1132 NC RA(S): "Australian Nx in Brief" (Hogan 7/28)(Pecenka)(Worman)
 11705 1205 NY RA(S): world nx (Brotsky 7/30 454)(Donly SC)(Carrier FL)
 (Getzel NY)(@ 1425 Leonard CO).....
 11740 0745 IL RA(S): DX pgm, listeners letters (Ruggley 7/2)(Thomas NC)
 11790 0605 CA RA(S): world nx (Somers 8/4 333)(@ 0824 Naylor CA)
 11825 1125 PA RA(S): Indo w/ YL/OM vocals (Earhart 7/6 353)
 11835 0916 SC RA(S): lite mx pgm, ID, nx in brief (Donly 7/20)(Naylor CA)
 11880 1154 IN RA(S): "Australia Tonite", US/Aussie mx Pecenka 8/8 343
 15140 0559 CA RA(S): freqs, IDs, mx, // 15160, 15240, 15260 (Hall 7/24 221)
 15160 0600 ONT RA(L): ID, nx, cmtry, mx (Skora 7/7 333)(Gaede CA)(Grenier
 CA)(Leonard CO)(Thompson CA).....
 15230 0625 CA ABC Melbourne: Aust. football, // 15140 (Gaede)(Webster)
 15240 0430 AL RA(L): sporting svcs, football, horse races (Roper 7/15 444)
 (@ 0607 Leonard CO)(Gaede CA)(Grenier CA)(Hogan NC).....
 15260 0400 CO RA(S): nx, // 15320, 17795, 15240, 21525, 21680 (Harrington
 (@ 0605 Hogan NC)(Leonard CO)(Hall CA)(Gaede CA).....
 15320 0345 FL RA(S): "Point of View", world nx (Johnson 7/22)(Osterman OH)
 (Stone ONT)(Blaise LA)(Donly SC)(@ 0500 Hrivnak IL)(Hodsdon).
 15415 1130 CA RA(S): EE ID, CC pgm w/ Oriental mx (Gaede 8/1 222)
 15425 0925 PA ABC Perth: local pgm, ID, freqs (Sulak 8/6)(Rounds)(Zilmer)
 17725 0319 CA RA(S): editorial opinion, // 17795 (Naylor)(Miller CA)(Hall CA
 17795 0230 MD RA(S): mx, rpt on Commonwealth Games, to NAM (Kegel 8/8 344)
 (Lindsey NJ)(Mellinger NJ)(@ 0100 Pecenka IN)(Brotsky NY)
 (Trautschold WI)(Stone ONT)(Hodsdon MN)(Worrel ND)(@0728 Gaede
 17870 0335 WI RA(C): sport rpt to SEA, // 21680 (Zilmer)(Rounds CA)(Miller)
 21525 0625 TX RA(S): mx, ID, nx, TC, to Africa, // 21680 (Ledlow)(Hall CA)
 21605 0200 FRANCE RA: nx, "Int'l Rpt.", pop mx (Mougenot 8/5) unlisted, reb.
 21680 0155 NM RA(S): orch. mx, IDs, freqs, TPs, TCs, nx, vocals (Thompson)

COOK ISLANDS

5045 0736 CA R. Cook Islands: EE w/ island mx, pop mx, 1 minute pause,
 ancmts by YL (Mayer 7/18 333)(Norcross HI)(@ 0546 Pagano DC)..

GUAM

11770 *1130 CA KTWR: IS, OM s/on in Mandarin, // 11775 (Hall 8/5 433)
 11780 1025 CA KTWR: EE w/ ID by YL, relig. pgm (McCurdy 7/28 444)
 11795 1000 WI KTWR: EE w/ "Evangelist Hour" (Zilmer 8/5 333) 22)
 11890 1410 FL KTWR: Khmer/EE tlk, relig. mx, ID, freqs, 1500* (Carrier 7/
 11900 1455 NH KTWR: EE relig. pgm, ID, 1500* (Gagnon 7/19)(Worrel ND)
 15135 1430 CA KTWR: EE relig. pgm, req. rpts, // 11890 (Cook 7/20 343)
 17830 0037 GREECE KTWR: EE w/ gospel pgm (Constantinides)(CC @ 2340 Rounds CA)
 17855 0001 SC KTWR: EE w/ IS, YL ID, gospel mx (Donly 7/19)(Thompson NM)
 (Constantinides GREECE)(Mayer CA)(Rounds CA)(Hall CA).....

NOVELLE CALÉDONIE

7170 1025 NY R. Nouméa: FF pop mx, ment. Nouméa (Novello)(Sulak PA)(Rounds
 11710 0620 AL RN: "American Top 40" w/ Rolling Stones, AT 40 ID in EE!,
 exactly as local px except FF DJ (Roper 8/5)(Brown MI).....

NOUVELLE HÉBRIDES

3945 0630 HI New Hebrides Broadcasting Service: OM EE (0630-50), mx (Nor-
 cross 8-2/3)

Radio New Zealand

THE SHORTWAVE DIVISION OF THE N.Z. BROADCASTING CORPORATION

NEW ZEALAND

6105 0555 CA RNZ: Maori OM, nx, EE nx, // 15130 (Smith)(Miller CA)(Naylor.
 15130 0500 MA RNZ: EE w/ world nx, wx, "Roundabout" (Fisher 8/9)(Webster)
 (Leonard CO)(Rounds CA)(Somers CA)(Gaede CA)(Norcross HI)....
 15380 0254 TX RNZ: EE HS, ID, mx, local nx (Ledlow)(Hagen IL)(Lindsey NJ)
 17710 0301 IN RNZ: EE ancmts, classical mx (MacCollum 8/1)(Heath KY)
 (Famularo NJ)(Worrel ND)(Getzel NY)(Brown MI)(@ 0426 Rounds)

PAPUA NEW GUINEA

2428 1129 AR R. New Ireland: Pidgin OM tlk, country vocals (Lowe 7/26 342)
 3220 1140 AR R. Morobe: Pidgin w/ tribal-style chants by group (Lowe 7/26)
 3260 1023 CA R. Madang: Pidgin tlk, little mx (Forsman 7/16)(Lowe AR)
 3275 1136 AR R. So. Hildands: Pidgin tlk, mx (Lowe 7/26)(Forsman CA)
 3305 1147 CA R. Western: short tlk by OM, local mx, EE rock mx (Forsman)
 3322t 0945 PA R. No. Solomons: Pidgin w/ local mx, ancmts (Moore 7/19 251)
 3335 1120 AR R. East Sepik: Pidgin OM ancr, local C&W vocals (Lowe 7/26)
 3360 1207 CA R. Milne Bay: EE w/ local mx, under CC (Forsman 7/14 222)
 3385 1028 PA R. East New Britain: Pidgin ancmts, school singing (Moore)

PAPUA NEW GUINEA (continued)

(Forsman CA)

3905 1210 CA R. Manus: Pidgin? tlk, mx (Howell 7/11)(@ 1010 Norcross)
4790 1200 WA NBC-Port Moresby: all the regular programmes expected on
4890, but down here instead (Steen 8/14) another NBC blooper.
4890 0900 NJ BC; EE nx.on hour, pop mx, local time, NBC IDs (Billier 7/28)
(Peck NY)(Moore PA)(Thompson CA)(@ 1112 Pecenka IN).....

SOCIETY ISLANDS

6135 0529 CA R. Tahiti/FR3: Tahitian w/ island mx, guitars (Smith 8/3)
11825 0510 CA RT: Tahitian w/ island mx, popp EE tunes (Link 8/3)(Rounds CA)
15170 0240 NY RT: FF w/ jazz concert, 0330 Tahitian church service (Peck
7/10)(Roper AL)(Earhart PA)(Brown MI)(@ 0545 Leonard CO)
(Somers CA)(Thompson CA)(Fraser MA)(Gaede CA).....

SOLOMON ISLANDS

5020 0940+ NY SIBC: EE w/ EE/local mx, local TCs (GMT +11), IDs as "National
Service", "SIBC", 1000 ABC nx, 1100 local nx (Utter 7/24)
(Roper AL)(Peck NY)(Moore PA)(Sulak PA)(@ 0650 Norcross HI)
(Thompson CA)(Donly SC)(Mayer CA)(@ 1100 Heath KY)(Trueblood
WI)

DATELINE

CHINA/ALBANIA - Radio Peking's use of the Tirana, Albania relay has not been
observed after 15 July, and is presumed to be discontinued following a break
in relations between China and Albania. The use of the relay began in June 1969,
and most recently was used for 91 hours a week in programming. The former Tirana
frequencies of 7120, 9500, 9780, and 1457 are now broadcast direct from Peking...
BBBCMS

INDONESIA - some changes, 3000 is now RKPD. Satu Jawa Timur (ex 3305) and
2988 is RPD Sragen.....David Foster via Geoff Cosier via DSWCI.....

ISRAEL - IBA's relay of the domestic service in English and French (1200-1300)
is now on 21625, 17685 (ex 17815, 17710) as well as 25605, 21495, 15530, 15405,
11655.....BBBCMS

JAPAN - changes in the S-78 Radio Japan sked include: LA svce new time (0900-
1100)(ex 0930-1130); NAM svce (0100-0300) 21640 replaces 17755; Euro svce (1800-
1930) 11950 replaces 7195....the GOS S-78 sked is (thr. pgrms, except, 1000-1100,
1400-1500, 2300-0000); to Asia on 11815 (1200-2130), 15195 (2200-0030), 17880
(0100-0730); to America on 9505 (0800-1500), on 15105 (1900-2130, 0600-0730),
17755 (2200-0330); to Europe on 9585 (1200-0030), 15310 (0100-0530), 17295
(0600-1130).....direct

MONGOLIA - A new radio transmitting station has just been completed in Ulan
Bator, with Soviet help. It will become operational in September, and is one of
four radio stations being built in Mongolia with Soviet help.....BBBCMS

PAKISTAN - Radio Pakistan's external service is now broadcast to the UK in Urdu
(0715-1100, EE 1100-15) on 21625 (ex 15405) as well as 17665.....BBBCMS

SA'UDI ARABIA - BSKSA has been observed in Turkish (1200-55) on 15115; the
Riyadh domestic service no longer uses 15080 (1100-1300), now on 9605 (0830-
1600); for the month of Ramadan the Holy Qu'ran Station have extended times.BBCMS

SYRIA - current skeds for the domestic and external services of Damascus list
no shortwave frequencies in use.....BBBCMS

TURKEY - the latest revised sked for the Voice of Turkey is as follows:
Turkish on 7170 (0357-0600, 1700-2000), 7270 (0357-1500, 1700-2127), 9515 (0357-
2127), 9665 (1700-2127), 11800 (0600-1700), 15145 (0357-1200, 1500-1700); En-
glish (1200-1300), Urdu (1300-30), Farsi (1330-1400), Arabic (1400-30), all on
15145; Romanian (1500-30), Greek (1530-1600), Bulgarian (1600-30), Serbo-Croat
(1630-1700), all on 7270; German (2000-2100), French (2100-30), both on 7170;
English (2130-2255) on 7170, 7270, 9515, 9665.....BBBCMS

VIETNAM - Voice of Vietnam has increased some the transmitters used for the
following services: (0200-30) Spanish, (0230-0300) Cantonese, (0330-0400) Man-
darin, (0400-30) Russian, (1100-30) Spanish, all on 10040, 11750, 12035; (1200-
1300) Japanese on 11750, 12035, 15012v; (1400-30) in Mandarin on 10040, 11750,
12035; (1630-1700) Russian on 10040, 11750, 12035, 15012v.....BBBCMS

UNITED ARAB EMIREATES - Abu Dhabi observed testing on 9695.....BBBCMS

Thank to 110 reporters this month. Welcome to all first time reporters! 73, *Ed*

THE INDIAN SUBCONTINENT - A THUMBNAIL SKETCH BY BOB BODELL

INTRODUCTION - This short article will attempt to hilitate that most exotic of areas in the world, to the DXer and non-DXer alike, the Subcontinent. We will discuss a few cultural features, including language, religion, and politics, for each of the individual countries. But for more detailed info we reccommend the Area Handbook series, published for each of the countries by the U. S. Government Printing Office. Turn to the pages of A/O in SPEEDX each month for more info on when and where to hear SW stations from the Subcontinent. Basically tho, DXing the Subcontinent from North America presents a real challenge since it is located directly over the North Pole from North America. There are two contrasting seasons involved in DXing the Subcontinent, 1) the high sun season when the high frequency bands can propagate over the poles at nearly any time of day (i.e. Pakistan on 15520, 17665, 21590, India on 11810, 15335, Sri Lanka on 11800, 15425), and 2) the low sun season when our sunrises/sunsets closely correspond with the sunsets/sunrises in the Subcontinent, providing us with our best opportunity to hear the Subcontinent in the Tropical Bands (i.e. Karachi on 4735, Peshawar on 3330, Nepal on 3425, Madras on 4920, Afghanistan on 4775), as well as some higher frequency openings during our morning hours. Consult your SPEEDX Sunset/Sunrise tables to determine the best times and bands in your area. A final note, due to the lack of space available here we will deal with the music of the Subcontinent in a separate article which will appear in a forthcoming SPEEDX....

AFGHANISTAN (PEOPLE'S DEMOCRATIC REPUBLIC OF) - POPULATION-21,000,000; CAPITAL-Kabul; SPOKEN LANGUAGES-Pushtu(spoken by 60%), Dari Persian (30%, spoken by Tajiks), Uzbek (5%); RELIGION-Islam; POLITICAL LEADER-Nur Mohammad Tarraki (since the Coup on 27 April).....

BANGLADESH (PEOPLE'S REPUBLIC OF) - POPULATION-80,000,000 (Muslim Bengals 98%); SPOKEN LANGUAGES-Bengali (also, Urdu, English); RELIGION-Islam 85%, Hindu 14%; POLITICAL LEADER AND RECENT HISTORY-General Ziaur Rahman, Bangladesh (meaning Bengal Nation) was part of the British Indian Empire until 1947 when it became East Pakistan. In 1971 a civil war resulted in secession from Pakistan.....

BHUTAN (KINGDOM OF) (Druk-yul) - POPULATION-1,000,000 (Bhutias (Tibetan-Mongolian), also Nepalese, Burmans); SPOKEN LANGUAGES-Dzongkha Tibetan (also, Nepali) RELIGION-Buddhist 75%, Hindu 25%; RECENT HISTORY-formerly under British control now autonomous altho India has influence over foreign affairs.....

INDIA (REPUBLIC OF) (Bharat) - POPULATION-650,000,000; ETHNO/LINGUISTIC COMPOSITION-There are around 180 spoken languages in India; 87% speak one of the 14 official languages: Hindi (31%), Telugu (9%), Bengali, Marathi, Tamil, Urdu, Gujarathi, Malayalam, Oriya, Punjabi, Assamese, Kashmiri, Sanskrit, and English; other important languages are Bihari, Rajasthani, Sindhi, Konkani. Hindi's dominance is centered in New Delhi; in the south it is far from dominant; RELIGION-Hindu 83%, Islam 11%, also Christian, Sikh. POLITICAL LEADER AND RECENT HISTORY-Morarji Desai (since 1977), India became a republic in 1947 after 250 years as part of the British Indian Empire, see PAKISTAN for the question of Kashmir.....

MALDIVES (REPUBLIC OF) - POPULATION-125,000 (Sinhalese, Dravidian (South Indian), and Arab mixture); SPOKEN LANGUAGES-Divehi Sinhalese, Arabic; RELIGION-Islam; The capital, Malé, is not shown on the accompanying map, located 4.10 N, 73.30 E.

NEPAL (KINGDOM OF) - POPULATION-13,000,000 (Indo-Nepalese, Tibetan); SPOKEN LANGUAGES-Nepali (official); RELIGION-Hindu 89%, Buddhist 9%; HEAD OF STATE-King Bierendra Bir Bikram (since 1972).....

PAKISTAN (ISLAMIC REPUBLIC OF) - POPULATION-74,000,000; SPOKEN LANGUAGES-Urdu (official, but only spoken by 8% of population, is nearly identical to Hindi), Punjabi 63%, Sindh 12%, Pushtu, Baluchi, and Brahui by 12% combined; RELIGION-Islam 96%; POLITICAL LEADER AND RECENT HISTORY-General Mohammed Zia ul-Haq (since July 1977), Pakistan was granted independence from the British Indian Empire in 1947, and included East Pakistan and West Pakistan. In 1971 East Pakistan seceded and became Bangladesh. Following the partition of the British Indian Empire Pakistan secured part of the state of Jammu and Kashmir (as named on the accompanying map) from India. This area is known as Azad (free) Kashmir.

SRI LANKA (REPUBLIC OF) - POPULATION-15,000,000 (Sinhalese 72%, Tamil (Indian and Ceylon) 21%, Moor 7%); SPOKEN LANGUAGES-Sinhala (official), also Tamil and English; RELIGION-Buddhist 67%, Hindu 18%, Christian 8%, Islam 7%; POLITICAL LEADER-Junius Richard Jayewardene (since 1977).....

**WORLD SERVICE
PROGRAMMI**

BULLETIN DE PROGRAMMES

ENGLISH SERVICE

PROGRAMME SCHEDULE

STATION SKEDS

Editor:

ORIA REESE
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Lawrence, KS 66044

Deadline: 15th

**EMISSIONS
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COMUNICATI NEL CORSO

See the end of this column for a note on the above address. On to the skeds....

AUSTRIA, ORF, freq changes, from 27 June:
to Eur. 0500-1900 has been changed to 1900-
2200 on 5945 (ex 6155).
to NA 1200-1300 chnged to 15110 (ex 15155).
to ESAm. 2100-2300 chnged to 15385 (ex 11895).
to SEAsia/Aust. 0900-1300 chnged to 17855
(ex 17710).
to EAsia 0700-0900 chnged to 9585 (ex 9605).
T. Smith.

BENIN, Radiodif. de la ... Benin, from QSL:
0415-0830 4870.
1100-1330 7190 (except- Thurs 1100-1400,
Sat & Sun 0600-2300).
1615-2300 4870.
Bdcsts in FF,EE + 10 vernaculars.
Hopkins, Webster.

BULGARIA, R. Sofia, EE Summer Sked (hopefully
will carry over to Fall):
to UK: 1930-2000 9700,11720.
2130-2200 11750,15135.
to N Am.: 0000-0100 15330. 0430-0500 11750.
T. Smith, Stickle.

CANADA, RCI, EE to NA, from 3 Sept:
0000-0127 5960*,9755.
0200-0227 5960,9535,9755,11845*.
0300-0327 5960,9535,9755,11845*.
0400-0427 5960,9535,11845*.
*=to 30 Oct. Nebron.

CANARY ISLANDS, REE (Spain) Relay:
to Americas: 1400-2000 11815,15365.
2145-2400 11815. Both in SS.
Hopkins.

CHILE, V of Chile, new sked (not dated),EE:
to Asia: 1100-1130 11765,11755.
1200-1230 15110,15125. 1300-1330 11755.
to Europe: 1530-1600 17755.
1830-1900 11760. 2000-2030 1779
2200-2230 11715,17715.
to America: 0100-0130 11765,11890.
0230-0300 11765,11890. 0400-0430 11765.
2200-2230 15140. 2330-2400 15140,15175.
Bixby, Howarth, Johnson, Leistner.
(Perhaps this marks the end of no replies, or
perhaps they were reading this column. Hi.)

CYPRUS, Cyprus Broad. Corp. brdcsts from Zygi
every Fri-Sun @ 2210-2230 on 6155,7190,9695.
Buhagiar.

CZECHOSLOVAKIA, R. Prague, EE to NA:
0100-0157 5930,7345,9540,9630.
0300-0357 5930,7345,9540,9630.
Snyder.

DENMARK, RD only bdcsts in Danish but will
QSL the EE ID @ start of prgm. 1620-1720
prgm is to NA. For full sked, see last
month. Snyder.

ECUADOR, HCJB, EE to Eur, to Oct.:
0700-0830 9665,11835.
1630-1800 15310,17775,21480.
1900-2030 15300,17775,21480. Grenier.

HD210A (Time Signal Station), bdcsts in SS
@ 0000-1200 3810, 1200-1300 5000, & 1300-
2400 7600. All 1 KW. ID@ 59 min after the
hour. Leon.

FRANCE, R. France Int., bdcsts only in
FF to NA(altho there is a movement to try
to get them to try EE). They brdcst on
15440 @ 1030-1615 & on 17775 @ 1045-1615.
Dalum, Fraser.

GABON, Radio. Tel. Gabon reportedly has 4
new 500 KW transmitters, & is making test
transmissions @ 0700-1900 on 15300(to Eur),
9650(M East),7200(W Af), & 6030(the Congo).
Langs. are FF,EE,SS,GG, & Swahili.
"Sweden Calling DXers" via Donly.

GERMANY, WEST, Deutsche Welle,EE to NA:
0130-0150 6040,6075,6085,6100,9545,9565,
9605,11865.
0530-0550 5960,6100,6185,9545,11285,11905.
from current "Hallo Friends". Monjure,
Snyder, P. Thompson.

GUAM, KTWR, EE:
1100-1130 17855 to Southern China*.
1430-1500 15135 to S E Asia.
0030-0100 17830 to Asia.
1000-1100 11780,11890 to Japan.
1100-1130 11770,11775 to Northern China*.
1430-1500 11890,11900 to SE Asia.
0000-0130 17855 to Japan & Pacific.
*=Cantonese or English. Stickle.

INDIA, AIR, EE: General Overseas Service-
2245-0115 3905,7215,9535,11770,15110 E/SE As.
2245-0115 9630,11815,11850 NE Asia.
1030-1130 11725,15190,17387 NE Asia.
1030-1130 11775,15205,17705 Aust/NZ.
1330-1500 11810,15335 SE Asia.
1745-2230 7225,9525,11620 UK/W Eur.
2000-2230 9912 UK/W Eur.
1745-1945 9730,1515125 E Africa.
1945-2045 9755,11880 W & N Africa.
2045-2230 9535,9912,11740 Aust/NZ.
(India continued on next page...)

INDIA, continued

News Services-

2300-2310 & 0100-0105 3905,7215,9535,11770,
11815,11850,15110,9535,9630.
1000-1010 & 1055-1055-1057 11725,11775,15190,
15205,17387,17705.
1330-1340 & 1455-1500 11810,15335.
1800-1810 7225,9525,9730,11620,15125.
1900-1905 7225,9525,9730,11620,15125.
2000-2010 7225,9525,9755,9912,11620,11880.
2100-2105 & 2200-2210 7225,9525,9535,9912,
11620,11740. Leon.

IRAQ, R. Baghdad, EE:

2130-2230 9745. 0300-0400 11905.
Leon.

ISRAEL, IBA, EE, 3 Sept- 4 Nov:

0500-0515 9833,11655,11960,15415,17685 to NA;
also add17855 to Asia/Aust via short
path, along w/ 11655.
1200-1230 11655,15405,17685,21495,25605 to NA;
15530 Asia/Pacific.
2000-2030 9815,11655,15415 to N Am.;;
9009,9425,17685 to Africa.
2230-2300 9815,11625,11655,15485 (+ 9435 @
low power) to N America.

IBA especially is welcoming reports on the new
0500 freq (17855). Also, a complete sked may
be obtained by writing Israel Radio, Box 204,
Cheltenham, PA 19012. Buhagiar, & IBA.

KOREA, DEM. PEOP. REP. OF, R. Pyongyang, EE:

0600-0800 9420,11535 to Europe.
0800-1000 9420,11535 to SE Asia.
1100-1300 9977,11535 to Americas.
1300-1500 7203,9977 to SE Asia.
1500-1700 7203,9977 to M East/Africa.
1700-1900 7203,9977 to M East/Africa.
2000-2200 6576,9420 to Europe.
2300-0100 9977,11535 to Americas.
G. Brown.

KOREA, REP. OF, R. Korea, EE, taken off air:

to North America 0630-0700 9640.
1600-1630 9640,9720. 1800-1830 9720.
to Europe 0630-0700 15205.
1130-1200 9710,11965. 1330-1400 9710,11965.
2300-2330 9650.
to Latin America 0230-0300 11850.
1000-1030 9580.

General Service 1000-1030 9525.

1130-1200 & 1600-1630 7150.
2300-2330 9640. Elder.

MONACO, Trans World Radio, EE:

0030-0130 nightly 25 MB.
0625-0755 Mon-Fri 41 MB.
0625-0800 Sat-Sun 41 MB.
0800-1000 Sun 31 MB.
0940-0955 Sat (DX Special) 31 MB.
0930-1000 Tues-Thurs 31 MB.
0930-0945 Mon 31 MB.
1500-1515 Sat (DX Special) 41 MB.
Good to 30 Sept. Stickle.

NETHERLANDS, R. Nederland, changes in EE;

effective 3 Sept:
0930 L11935 replaces L9660.
1330 L11930 replaces L7210.
1430 M21480 replaces M11740.
L=Holland, M=Madagascar. Yohana.

NIGERIA, V of Nigeria, EE:

0800-0835 7275(W Af),11900(E Af/ME),
15120(Europe).
1530-1700 7275(W Af),11770(C & S Af),
11900(E Af/M East).
1800-1930 7275(W Af),11770(C & S Af),
15120(Europe).
7275 @ 0800 best at this QTH. Snowden.

NORWAY, R Norway, EE, 3 Sept-4 Nov.:

GMT Sundays
0800-0830 11850(Aust),15175(Pac),15135(FE).
1200-1230 6015(Eur),17800(Indo/Aust),21730
(ME/Indo).
1400-1430 9590(Eur/Af),17840(NA/CA),21730
(Af/S Am).
1600-1630 15175,17795(NA/CA),21730(Af/SA).
1800-1830 15175(NA/CA),17775,21730(Af/ME).
2000-2030 11860,15345(Pac),15175(Af).
2200-2230 9550,11850(NA/CA),15175(SA)
GMT Mondays
0000-0030 6080,9605(NA/CA),11860(SA).
0200-0230 6180,9550,11860(NA/CA).
0400-0430 6180,9645(NA/CA),9550(Pac).
0600-0630 9645(NA),15175,17800(Af/ME).
Freqs underlined=250 KW; all others = 100KW.
Baker, Buhagiar, Cook.

PHILIPPINES, FEBC, EE:

11850 @ 0800-1000. 11855 @ 0000-0045.
11765 @ 0800-1000. 11890 @ 2300-2400.
15395 @ 0045-0500. 15440 @ 1245-1515.
15450 @ 2300-2400. 17810 @ 2340-0500.
21515 @ 2300-0500. Cook.

PORTUGAL, Adventist World Radio, EE:

0900-1000 Sun 9670 to Great Britain (DX
prgm @ 0930).
2115-2130 Tues 9670 to Great Britain.
Both are 250 KW.
Proom, T. Smith, Stickle.

R. Portugal, EE:

0300-0330 6025,11935 to N Am/Can.
0500-0530 6025,11935 to N Am/Can.
1400-1430 17895 to India/M East.
1600-1630 17895 to India/M East.
1700-1730 15340,17880 to Africa.
1800-1830 15340,17880 to Africa.
2030-2100 6025,9740 to Europe.
Wheeler.

SEYCHELLES, FEBA, EE:

0700-0800 on the 19 MB.
1530-1630 on the 19,25,31 MBs. I have no
idea what the freqs are. Does anybody out
there? I may just write FEBA. Stickle.

SINGAPORE, R. Singapore, the July sked is

incorrect. 0600-0000 is Singapore time.
This would actually be 2230-1630 GMT.
Sorry about that, folks. Hall.

SPAIN, REE (Spanish Foreign Radio), EE:

2030-2230 Mon-Sat 9505,9580,11840 to Europe.
0000-0200 Tues-Sun 9630,11880 to N America.
0515-0615 Tues-Sun 9630,11880 to N America.
0515 brdcst is repeat of 0000brdcst.
Cook, Hopkins, Seymour, Stickle.

Reminder Time - Now is the time that skeds
start changing. When you get the changes,
send 'em here.

SWITZERLAND, SBC, EE, to 4 Nov.:
0145-0215 6135,9725,11715,15305,11780* to N&C
0430-0500 9725,11715 to WCNA.
0700-0730 9560,11780,15305,21520 to Asia.
1100-1130 & 1200-1230 15430,17830,21520,21630
to Africa.
1315-1345 15305,15350,17830,21520 to Asia.
1315-1345 15140,17740* to N America.
1530-1600 11870,17830,21570 to M East/Africa.
1815-1845 11720,15305,17830,21585 to Africa.
" 21585 to S America.
Buhagiar.

TURKEY, Vo of Turkey, EE, to 30 Sept:
2130-2300 7170(to Eur, 250 KW),7270(E Eur,
250),9665(Saudi Arabia, 250),9515(U.S.,100).
1200-1300 15145(Pak/India, 250).
McWherter.

UNITED STATES, UN Radio, EE news.
1830 15410G,17710T,19505G*,21670G Fri.
2245 11955G,15240G Fri.
0545 6055G,9620G Sat. 0707 6055G,6135G Sat.
0800 15235M,17860M Sat. 1000 15250P Sat.
G=Greenville, M=Monrovia, T=Tangier, P=Philippines.
*SSB. Leon.

USSR, R. Tashkent, EE, brdcasts @ 1200-1230 in
the 19 MB., & @ 1400-1430 in the 19 MB.
Buhagiar.

R. Moscow, brdcasts for "English Speaking
Listeners": to N America
9530 Moscow 2200-2300. 11720 Khabarovsk 2100-2200.
11720 Khabarovsk 2230-2300. 11750 Lvov 2200-2300.
11770 Kiev 2230-2300. 11770 Kiev 1300-1600.
11960 Kenga 2200-2300. 15135 Lvov 1300-1530.
15150 Minsk/Yerevan 1300-1500.
to Far East 5960 Vladivostok 1330-1400.
to Asia 11740 Novosibirsk 0900-1100.
11785 Sverdlovsk 0800-1100.
11820 Krasnoarsk 0800-1100.
15140 Riazan 0530-1100.
15175 Kenga 0400-0700. 15265 Kenga 0430-1100.
15360 Moscow 0500-1030.
15395 Tashkent 0930-1000.
15500 Frunze 0930-1100.
17730 Serpukhov 0400-0900.
17805 Tbilisi 0700-1000.
17815 Simferopol 0500-1100.
17825 Frunze 0500-1100. 17835 Frunze 0500-1100.
17850 Alma Ata 0930-1100.
17860 Armavir 0730-1000. 17880 Tula 0400-1100.
21600 Leningrad 0500-0930.
via UHFN. For subscription, \$3 for 12 issues
to: Box 232, McLean VA 22101.

VATICAN CITY, Vatican Radio brdcasts in EE to
North & Latin America @ 0200-0215 on 6015,
9605, & 11845. Other EE brdcasts:
1445-1500 6190,7250,9645,11740 to Eur.
2130-2145 6190,7250,9645 to Eur.
1215-1230 17840,21485 to Africa.
1300-1730 17840,17900,21485 to Africa.
1800-2045 11830,15120,17900 to Africa.
2145-2200 9625,11705,15120 to Africa.
2215-2245 9625,11705,15120 to Africa.
2310-233 7235,9615,11705 to Asia/Aust/NZ.
Snyder, Stickle, Yajko.

VIETNAM, Voice of Vietnam, EE, no dates:
Am. 1800-1900 10040,14990,15012.
2030-2130 10040,14990,15012.
0900-0930 7470,10040,12035.
1000-1030 7470,10040,12035.
1530-1630 7470,10040,12035
Webster.

YUGOSLAVIA, R. Yugoslavia, EE, no dates:
1530-1600 9620,11735,15240.
1830-1900 6100,7240,9620.
2000-2030 6100,7240,9620.
2200-2215 1268(MW),6100,7240,9620.
Buhagiar, Hopkins, Martin.

SAUDI ARABIA, (sorry about the order)BSKSA,
EE: 1000-1300 11855. 1900-2000 11855.
Webster.

JAPAN, NHK, EE: (another one)
2345-0045 15300,17825 to N America.
0100-0300 15195,17725,17755,17825 (30 min.
JJ, 60 min EE, 30 min SS) to
N America/S America/Hawaii.
General Services
0100-0130,0200-0230,0300-0330,0400-0430,
0500-0530,0600-0630,0700-0730,
15105,17795,17880.
0800-0830,0900-0930,1000-1100,1100-1130,
9505,15195,17795,17880.
1200-1230,1300-1330,1400-1500,1500-1530
9505,11815,15310.
1600-1630,1700-1730,1800-1830,1900-1930,
2000-2030,2100 2130 11815,15105,
2200-2230,2300-2400,0000-0030 15310.
15105,15195,15310. Donly.

And now, some items from BBC Monitoring Service
These are used by permission.

JORDAN has been preparing for a major expansion
in the next year in hardware, and therefore
increasing their services. Among other
things, there will be an EE SW svce., altho
this won't be ready until next year.
Starting 23 July, R. PAKISTAN has been
brdcasting the 0715-1100 Wrld Svce in Urdu to
the UK & the 1100-1115 slow-speed EE news to
the Western Europe area on 21625 & 17665.
21625 replaced 15405.

Well now, I think I'm going to come up a bit
short on using space. However, I do have some-
thing to say. Next month's column will be
coming to you from wonderful Anderson, IN, as
school starts on Sept 5. This shouldn't mean
too much trouble, because you can still send
my loggings to me at the Lawrence address.
BUT I will be observing a strict 15th dead-
line, so things can be done on time. OR you
can send your loggings direct to me in Indiana.
My address will be Orla Reese, c/o Anderson
College, Anderson, Indiana 46011. Now you have
your choice. This will only be in effect til
mid December.

Also, I remind you that now is the time
that the stations will start changing their
skeds. So, when you get that new one in the
mail, send a copy of it here. Don't hesitate
to send it because it's "common". It might be
just what someone else is looking for. BYE!

Editor:

KEN COMPTON
7 Mount Vernon Street
Brighton, MA 02135

Deadline: 15th



SECOND WARNING! The third annual NEW ENGLAND AREA DXERS OUTING will be held at Black Rock State Park in Watertown, CT on September 10 this year and the fallout will cover no fewer than 8 states! If you'd like to attend --and all DXers are welcome-- detailed information may be obtained from Sam Barto 245 Cherry Avenue, J-11 Watertown, CT 06795.--I'll be there.

UNITED STATES ARMY COMMUNICATIONS COMMAND now includes all U.S. Army communications stations. They are all USACC now, no longer "USASTRATCOM", according to SP5 PHILL MOODY, stationed at Camp Darby, Coltano, Italy. He also informs us that many east coast Army facilities now use a WAR# call sign, e.g., WAR21, etc. WAR itself is no longer at the Pentagon -- now at Fort Betrick, MD. And Phill adds that there is no HF at Camp Darby.

WME USCG, PORTSMOUTH, VA WEATHER BROADCAST ~~SKED~~ from KEN LEONARD-FL:
TIMES FREQUENCIES

0400 & 0530	-----	4428.7, 6506.4, 8765.4 khz
1130 & 1600	-----	6506.4, 8765.4, 13113.2 khz
1730	-----	8765.4, 13113.2, 17307.3 khz
2200 & 2230	-----	6506.4, 8765.4, 13113.2 khz

Each broadcast is approximately ten minutes in length.

MAY UNID ID'D: JPA43/44 is a Tokyo station of the Japanese INTERPOL, YUK-TONG KAM-HONGKONG informs us, on 9284.7, and VRD is the Hong Kong INTERPOL at Tsim Sha Tsui, Kowloon, not Mainland China! And by the way, Yuk-Tong says, VRM6ø on 13031 is a C&W station, not BRN. And he supplies:

CW FREQS OF VPS CAPE D'AGUILAR R.

VPS8	3842 khz	1000-2100Z	VPS61	13044 khz	0000-1300Z
VPS35	8539 "	24h	VRM6ø	13031 khz	0000-0700Z
VPS36	8584 "	0000-1300Z	VPS8ø	17096 khz	0000-1300
VRN35	8619 "	0000-1300Z			2100-2400
VPS6ø	13020.4	0000-1500Z	VRN8ø	17192 khz	0000-0700
VPS22	22536 khz	0000-1000Z			(Z=GMT) Nice info, Yuk-Tong - TU!

HURRICANE HUNTERS: The hurricane season, July to November, is due to peak this month or next, evoking this timely data from GARY RUSSELL-IL: NOAA NATIONAL HURRICANE RESEARCH CENTER, MIAMI, FL

KJY74 Miami, FL is operational control for NOAA aircraft and IDs as KJY74 or Miami Monitor on these freqs: 4668, 6645, 13260, & 17901 USB. Aircraft ID as NOAA41 & NOAA42. Traffic is operational and NOAA acft weather observations are passed to MIAMI MONITOR via USAF stations.

USAF weather recon aircraft operating in the Gulf, Caribbean, & Atlantic ID as GULL or TEAL & pass info to MIAMI MONITOR & GULL MONITOR (53rd Weather Recon Sq Operations Ctr, Keesler AFB, MS) via MacDill & Albrook AFBs. Freqs include the USAF Flight Svc freqs, and these additional freqs have been heard this season: 9020, 11228, 13216, 15031 & 17972, which seem to be used when a Tropical Depression has been upgraded to a Tropical Storm. Gary has heard acft probing Tropical Storms Anita & Cora this year. FB, Gary! The additional info below is from the Sept. '77 Ute Report: The NOAA NHRC also passes the info from GULLS & TEALS to the National Storm Warning Center, Coral Gables, FL. Navy Gulls frequently work the Jacksonville, FL NAS (NDG17) and Roosevelt Roads, PR NAS (NRR) on USN Flight Svc freqs. For USAF Gulls 6723 is primary & 4711 secondary. Some other freqs on which Gull t/c has been heard are: 4071.5, 4708.5, 8973.5, 9011.5, 11191, 11322.5, and 15072.5

QSLs All freqs in khz

AUSTRALIA: VKH RAN Canberra 8478 f/d ltr in 20d for IRC (Forsman-CA)
AZORES: CUW USAF Lajes 6750 unsigned AF cd 27d for ms(Moody-ITALY) /see fol/
BARBADOS: SPO C&W St. Philip 12709 f/d fldr cd 27d for IRC (Forsman-CA)
BRAZIL: PPR43 EMBRATEL Rio 14500 f/d ltr 30d for IRC(returned)(Ledlow-TX)



AIR FORCE COMMUNICATIONS SERVICE

Thanks to Phill Moody-Italy

Thank you for your report. Regretfully, based upon our records, we cannot confirm your report.
 We are pleased to confirm your report that we were operating as indicated below. We appreciate your interest and wish you good luck in the future.

See MacDill AFB refusal ltr below. Makes one wonder if those "current directives" he mentions are of his own invention or his misunderstanding. Many other AFBs still verify.

OPERATING INFORMATION		
FREQ	TIME	LOCATION
6750 kHz	0157Z	Lajes Fld, AZ, Portugal

NOTE: Divulgence of the transmitting particulars to any other party is prohibited by Article 17, 1968 International Telecommunications Union Regulations.

CALL SIGN
Lajes Airways

SIGNATURE
"Providing the Reins of Command"

- CANADA: VCS Halifax CG NS 8440 PFC+f/d photo cd 30d for IRC(Foraman-CA)
- COSTA RICA: TIM Limón R. 13100 PFC in 35d air for IRC (Conway-MALAWI)
- FRANCE: PFS4 PTT S. Lya 8510 stamped my rpt & rtrnd, no rp 70d(Ruggley-IL)
- GUANTANAMO: AAC&R 1130 f/d map cd 14d for ms(also PFC) (Ledlow-TX)
- HONGKONG: VPS C&W Cape D'Aguilar R. 8539 f/d fldr cd 18d for IRC(Foraman)
- IRELAND: EIP Shannon VOLMET 8833 fldr cd in 32d for IRC (Starr-GA)
- IVORY COAST: INTELGI Abidjan 11560 wrong date only ltr 20d 3 IRCs(George)
- JAPAN: JOU NT&T Nagasaki 8463 hand-color cd 14d for IRC (Foraman-CA)
- JDC NT&T Goshi 16998.5 f/d color cd 22d for IRC (Foraman-CA)
- KENYA: 5ZF KEFC Mombasa 500 f/d PFC 14d air for IRC (Conway-MALAWI)
- MALAYSIA: 9MG DGT Penang 8698 PFC 18d for IRC (Foraman-CA)
- PUERTO RICO: NMR USCG San Juan 8470 PFC in 30d air for IRC (Conway-MALAWI)
- f/d ltr describing sta & xmtr 120 days surface for no rp (Ruggley-IL)
- SINGAPORE: 9VG TAS 8709.5 date&freq only ltr 26d for IRC (Foraman-CA)
- SWITZERLAND: HEB Radio-Suisse Bern 4259 f/d cd in 13d for IRC (Conway-MWI)
- U.S.A.: MCF USCG Miami FL 2182 PFC in 12d for ms (Starr-GA)
- AFES MacDill AFB 6750 "Contact Confirmation" refusal ltr (below) in 19d for ms (returned) (Moody-ITALY)

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS, 1928TH COMMUNICATIONS GROUP (AFCS)
MACDILL AIR FORCE BASE, FLORIDA 33608



REPLY TO ATTN OF: 1928 CG/DONVA

21 Jul 78

SUBJECT: Contact Confirmation

to: Sp5 Phillip V. Moody
56th Signal Company
Box 355
APO New York 09019

Dear Sir,

Current directives prohibit USAF HF Aeronautical Stations from confirming requested information. Other than advising you that this station does transmit on 6750 KHz, I cannot confirm specific contacts at specific times .

Thank you for your interest in AF air-to-ground radio communications.

Sincerely,

Ernest D. Strandberg
Ernest D. Strandberg, MSgt, USAF
Superintendent, Aeronautical Station
MacDill Air Force Base, Florida

NMR USCG Portsmouth VA 8465 f/d xerox paper cd 25d for no rp(Foraman)

WNU TRF Slidell R. LA 8570 f/d cd in 29d for IRC (Conway-MALAWI)
 WCC RCA Chatham MA 8630 f/d ltr in 31d for IRC (Conway-MALAWI)
 MNM USCG Portsmouth VA 8765.4 PFC in 27d for SASE (George-TX)
 KMI ATT Dixon CA f/d Gateways map cd in 10d for IRC (Stone-ONTARIO)
 Oscar 7 Satellite 29502 date only color cd 20d for ms (Mellinger-NJ)

SHIPS: CGC "Minro" MGDF 6506.4 PFC in 20d for ms (Brick-TX)
 CGC "Vigilant" 6506.4 PFC in 8d for ms (Starr-GA)
 CGC "Midgett" 6506.4 PFC in 14d for ms (Brick-TX)
 CGC "Gallatin" 6506.4 PFC & pamphlet in 21d for ms (Brick-TX)
 CGC "Westwind" 6506.4 PFC & pamphlet in 24d for ms (Brick-TX)
 CGC "Campbell" 6506.4 PFC, ltr & fldr in 16d for ms (Brick-TX)
 MRKD CGC "Evergreen" 6506.4 PFC in 27d for ms (Brick-TX)
 NBCC CGC "Durable" 6506.4 PFC in 18d for ms (Starr-GA)
 NBTG CGC "Steadfast 6506.4 PFC in 17d for ms (Brick-TX)
 NVAI CGC "Valiant" 6506.4 f/d ltr & ship photo 17d for ms (Brick-TX)
 GRUK "Gambhira" liquified gas carrier 12330 f/d ltr 27d ms (A. Mason-ONT)
 GUVN tanker "Cyclops" 12330 PFC in 37d for ms (A. Mason-ONTARIO)
 CG#1452 5696 PFC air rescue history, photos, ham QSL 17d for ms (Brick)
 CG#5782 5696 PFC in 9d for ms (Starr-GA)
 JF945 USNR P3A Orion 11176 PFC in 21d for ms (Chabak-CO)
 Swan 13 WC130E, based at Andersen AFB Guam 11176 PFC 10d ms (Chabak-CO)
 Swan 26 WC130E b-Andersen AFB 13207 PFC in 25d for ms (Chabak-CO)

All times GMT LOGGINGS All freqs in khz

ALASKA:	5696	0432	MOU USCGAS Sitka OM EE wkg aoft SSB (Carlson-CA)
	5703	1445	AKA Elmendorf AFB OM EE wkg acft SSB (Carlson-CA)
	13113.2	0320	NOJ USCG Kodiak OM EE wkg CGC "Jarvis" USB (Carlson)
	13344	0525	KIS7Ø Anchorage VOLMET YL EE aere wx AM (Moore-PA)
CANADA:	2598	0410	VCK Grindstone CG R. OM EE/FF marine wx USB (Moore)
	3286	0733	GMN USN Vancouver BC Mil NAME V mkr CW (Connell-MA)
	6430	0526	CFH Navy Ellerhouse NS V mkr CW (Connell-MA)
	6746	2330	CHF RCAF Halifax Military OM tfc USB (Moore-PA)
	8440	0055	VCS Halifax CG R. CQ QSX mkr CW (Hrivnak-IL) V mkr CW 0307 (Fitzgerald-RI) 1855 V-CQ mkr CW (Brane-IL)
	8868	0222	VFG Gander VOLMET wx AM (Fitzgerald-RI) 0725 (Carlson-CA) 1849 (Stickle-NY)
	11209	0135	GJK St. Johns Mil Hfld. OM EE tfc SSB (Van Gelder-NJ)
	17175.2	0218	VAI DOT Vancouver V mkr CW (Fitzgerald) 2140 (Dawson-CA)
GREENLAND:	6738	0535	XPH Thule AFB OM EE wkg LEC2 USB (Devendorf-CA) 0900 OM EE Foxrot broadcast USB (Chabak-CO)
MEXICO:	6938	0306	XFL Mazatlan de Sinaloa R. V mkr (manual) CW (Fitzgerald)
	8514	1416	XFL Mazatlan R. CQ mkr CW (Foraman-CA)
	13168.5	1635	XFL Mazatlan OM EE wkg QZPZ "Pasadena" AM (Ledlow-TX)
U.S.A.:	4120a	0655	WFE ANCOM Jeffersonville IN river tfc USB (George-TX)
	4382.2	0151	WLC Central R/T Rogers City MI OM wx USB (Moore-PA)
	4428.7	0528	NMN USCG Portsmouth VA OM marine wx USB (Pokatiloff)
	4550a	1217	WKS(?) Mergan City LA wkg barge "South Marsh" (Ledlow)
	5603	0146	WSY7Ø NY Aeradio OM EE wkg Air France 256 (McWharter)
	5652	0811	WSY70 NY VOLMET OM EE aero wx SSB (Pokatiloff-IL)
	5692	0637	NOH USCGAS Chicago OM EE wkg flight 377 (George-TX)
	6325	2100	WNU TRF Slidell R. LA CQ mkr CW (Hrivnak-IL)
	6365.5	0600	KFS ITT San Francisco R. clg ships CW (Connell-MA)
	6376	0350	WCC RCA Chatham MA V-QRA mkr CW (Hrivnak-IL)
	6411	0500	KLB ITT Marysville WA CQ mkr CW (Connell-MA)
	6435.5	0728	WPA RGA Port Arthur TX V mkr CW (Foraman-CA)
	6463.5	0532	KOK ITT Los Angeles R. CQ mkr CW (Connell-MA)
	6506.4	0400	NMN CG Portsmouth VA OM wx USB (Moore-PA) (Pokatiloff)
	6519	2215	KMB Brown&Root Houston TX OM wkg KFEZ SSB (Brick-TX)
		1713	WEN ANCOM Louisville KY OM wkg barges USB (Kerrigan)
		2205	EDJ Houston TX OM EE wkg WZZ433 USB (Brick-TX)
		2205	WNT Greenville MS wkg barge "Gladis Flower" SSB (Brick)
		2046	Hayward Rescue CA wkg King 57&JollyØ7 USB (Devendorf)
	6715	0340	AFEB MacDill AFB FL OM wkg MAC40244 USB (Fitzgerald)
	6750	2345	KKK5Ø State Dept Intell Svo DC QRA mkr CW (Hrivnak-IL)
	6924.5	0354	VOA Greenville feeder to Munich EE/USB RR LSB (Boehm)
	7651	0305	VOA Bethany EE feeder to Monrovia USB (Pokatiloff/Moore)
	7770	0320	WSY7Ø NY VOLMET OM EE aero wx AM (Webster-AL)
	8868	0410	Rockwell Flight Test OM EE wkg 7ØCR USB (Russell-IL)
	8917	0505	WPE Jacksonville FL OM wkg tug "Defender" (Pokatiloff)
	8281.2	0248	KFS ITT San Francisco CQ mkr CW (Walters-NJ)
	8558		

8686	0257	WMH RCA Baltimore MD V mkr CW (Fitzgerald-RI)
8760.8	0440	NMC USCG San Francisco OM EE Pac wx USB (Moore-PA)
8765.4	0528	NMN CG Portsmouth VA OM EE wx USB (Pokatiloff-IL)165
		Marine wx (Stone-ONT) 1750 (Gagnon-NH)
8868	0220	WSY77 NY VOLMET OM EE aero wx AM(Fitzgerald-RI) 1900
		(Stickle-NY) 2212 (Kerrigan-IL)
8903	0307	KSF77 Oakland VOLMET OM EE aero wx AM (Moore-PA)
8917	0410	Rockwell Flight Test OM EE wkg 70CR USB (Russell-IL)
8945	0342	KSA5 (?-Ed.) NY aeradio OM EE wkg Br. Cal. 676 (Carlson)
8967	0404	AFA Andrews AFB MD OM EE wkg CHECKERBOARD (Short-CA)
8989	0317	AFEB MacDill AFB FL OM EE wkg Awry 90 USB(Carlson-CA)
9017	0310	AFA Andrews AFB OM EE wkg Star 76 USB (Carlson-CA)
11246	1631	AFEB MacDill AFB OM EE code tfc USB (Kerrigan-IL)
11250	0112	Orion Control NASA Cape Canaveral OM EE wkg Agar 23
		& Agar 26 USB (Russell-IL)
12785a	0756	NMF Boston CG Marshfield MA CQ mkr CW (Dawson-CA)
12925.5	0041	WCC RCA Chatham MA V mkr CW (Dawson-CA)
13033.5	0317	WCC RCA Chatham MA QRA mkr CW (Monjure-LA)
13100.8	0545	KMI ATT Dixon CA wkg "Northern Lighter"USB(Pokatiloff)
13107	0350	WOO ATT Oceangate R. NJ OM wkg "Penrod 71"(Carlson)
13113.2	1717	KMW43 CG Seattle OM wkg KMW44 USB (Carlson-CA)
13128.7	0105	WOO ATT Manahawkin NJ OM EE marine wx USB(Osterman)
13201	1750	AFA Andrews AFB MD OM EE tfc USB (Moore-PA)
13260	1600	KJY74 NHRM Miami FL OM EE wkg NOAA41 USB (Russell-IL)
13212	1439	WSY77 NY VOLMET OM EE aero wx AM (Blaise-LA)
17007.5	0225	KLB ITT Marysville WA mkr CW(Fitzgerald)(Foraman)
17151.2	0254	NMC USCG San Francisco V mkr CW (Fitzgerald-RI)
17251.5	0101	WLO Mobile Marine AL V mkr CW (Dawson-CA)(Fitzgerald)
17307.3	0600	NMC USCG San Francisco EE Pacific wx USB(Proom-ENG)
17610	0453	WMC47 ATT Dixon CA EE tfc to Samoa USB (Dawson-CA)
	1708	WMC47 ATT Dixon OM EE vm USB(Moore-PA)1820(Stone-ONT)
22485	1831	WSL ITT Amagansett R. NY CQ mkr CW (Dawson-CA)

CARIBBEAN

BARBADOS:8765.2	0010	SPO C&W St. Philip OM EE wkg "Corantijn" SSB(Ledlow)
BERMUDA:6487.5	0155	VRE C&W St. Georges CQ QXK mkr CW (Hrivnak-IL)
CUBA: 6454	0149	CLA EMRAIN Havana R. CQ mkr CW (Fitzgerald-RI)
CURACAO:6491.5	0220	PJC GRFA CQ mkr CW (Fitzgerald-RI)
JAMAICA:6470.5	0236	6XI J.I.T. Kingston CQ mkr CW (Fitzgerald-RI)
MARTINIQUE:6388.6	0157	FUF French Navy Fort de France V mkr CW(Fitzgerald)
	12895	0909 FUF French Navy Fort de France FAAN V mkr CW(Connell)
	22311	1534 FUF French Navy Fort de France FAAN V mkr CW(Lowe-AR)
PUERTO RICO:8945	0417	WMA3 San Juan Aeradio OM EE/SS wkg Avianca 1070 USB
		(Carlson-CA) 0427 tfc (Moore-VA)

CENTRAL AMERICA

COSTA RICA:8478	0120	TIM Limón R. V QSX mkr CW Connell(MA) (Foraman-CA)
	13100	0213 TIM Limón R. V mkr CW (Dawson-CA)
PANAMA CZ:11180	0026	AHF Albrook AFB OM EE acft tfc USB (Lowe-AR)

SOUTH AMERICA

ARGENTINA:17045.6	0256	LPD46 Gen. Pacheco R. V mkr CW (Fitzgerald-RI)
	20510	1920 LOT35 Centro Int'l de LATEL YL SS vm USB (Russell-IL)
BRAZIL: 8502	0111	PPL EMBRATEL Belém V mkr CW(Connell-MA)0323(Howell-CA)
		CQ mkr 0510(Ruggley-IL)
	8520	0505 PPO EMBRATEL Olinda R. CQ mkr & marine wx CW(Connell)
	12690a	0105 PPJ EMBRATEL Juncão R. call only mkr CW(Longacre-NY)
	8550	0906 PWZ USN Rio de Janeiro V mkr CW (Longacre-NY)
	12979a	0529 PPL EMBRATEL Belém R. V mkr CW (Foraman-CA)
	14500	0100 PPR48 EMBRATEL Rio YL EE/OM PP vm USB (Stone-ONT)
	17170	0307 PPL EMBRATEL Belém R. V mkr CW (Fitzgerald-RI)
	22353	2313 PPR EMBRATEL Rio de Janeiro R. CQ mkr CW (Dawson-CA)
	22530	1000 PWZ USN Pernambuco "VVV DE PWZ BOWO" mkr CW(Conway)
CHILE: 4322	0730	CCS Navy Santiago V mkr CW (Boehm-TX)
	13150	0955 CGS Navy("Armada de Chile") V mkr CW (Connell-MA)
COLOMBIA:13087.5	0216	HKB Barranquilla R. CQ mkr CW(Dawson)(Osterman-OH)
ECUADOR:7600	0200	HD210A INOCAR Guayaquil time AM(Ireland-TN)(Moore-PA)
SURINAM:8652.5	0023	PZN LTT Paramaribo CQ mkr CW (Howell-CA)
VENEZUELA:4424	0850	YVG MinCom La Guaira R. V mkr CW (Boehm-TX)
	6100	0705 YVTO Caracas time tick AM(Foraman(George))(Thompson-C)

EUROPE

AZORES: 5610	0300	Santa Maria Aeradio OM EE wkg acft USB (Proom-ENG)
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8945 0405 CSY Santa Maria OM EE wkg Alitalia 567 USB(Fitzgerald)
 BELGIUM:13932a 0200 ONY24 NATO Rouvery xmtng callsign CW (Lowe-AR)
 CYPRUS: 8771.6 0220 5BA CTA Nicosia YL FF/EE vm USB (Longacre-NY)
 CZECHOSLOVAKIA:3170 0450 OLB5 Astro Inst Prague time tick CW (Moore-PA)
 DENMARK:8598 0244 QXZ4 DGPT Lyngby CQ mkr CW (Walters-NJ)
 ENGLAND:5000 0240 MSF NPL Teddington time tick CW (Pagano-DG)
 6414.5 0258 GYG3 Whitehall Naval R. London multcall mkr CW
 (Fitzgerald-RI) 0510 (Connell-MA)
 7989a 0258 BBC SE feeder to Caribbean SSB (Boehm-TX)
 10680 0536 KRH50 US Embassy London QRA mkr CW (Lowe-AR)
 13072 0018 GKE BPO Portishead ID mkr CW (Brame-IL)
 13173.5 2100 GKV54 BPO Portishead OM EE vm USB (Rzepka-WI)
 FINLAND:8457a 0205 OFJ A.P.T. Helsinki CQ mkr CW (Lowe-AR)
 FRANCE: 6665 0056 HWN Navy HQ Paris V mkr CW (Fitzgerald-RI)
 8452 0323 HWN Navy HQ Paris V mkr CW (Boehm-TX)
 8665a 0235 FUG Navy La Regine R. V mkr CW (Walters-NJ)
 16980a 2335 FUG Navy La Regine R. V mkr CW (Brame-IL)
 17470a 0055 Intnt'1 Network OM FF/EE vm USB (Ireland-TN)
 GERMANY:4525 0319 DIZ ASMW Nauen time tick CW (Moore-PA)
 17992a 1610 DHM91 German AF(City?) OM EE wkg GAF5108 USB(Russell)
 GIBALTAR:11234 0646 MLU RAF OM EE test counts USB (Chabak-CO)
 16986a 0555 GYU BRN ID mkr CW (Foraman-CA) 2210 (Thompson-NM)
 GREECE: 6468a 0205 SXA24 Navy Sparta Attikis V mkr CW (Fitzgerald-RI)
 8704 1532 SVA4 HTO Athens CQ mkr CW (Conway-MALAWI)
 10255 1733 VOA Rhodes EE feeder USB & unk lang LSB (Hall-CA)
 HOLLAND:10735 0400 PCL50 PTT Kootwijk OM EE vm 0300 RN SSB(Van Gelder-NJ)
 22539 0955 PCH97 PTT Scheveningen CQ mkr CW (Conway-MALAWI)
 ICELAND:8690 0907 TFA APTI Reykjavik CQ mkr CW (Pagano-DC)
 8980a 0930 TFA APTI Reykjavik OM EE vm USB (Proom-ENGLAND)
 IRELAND:5533 0340 EIP Shannon VOLMET OM EE aero wx AM (Stone-ONTARIO)
 8833 0043 EIP Shannon VOLMET wx AM(Webster-AL)0210(Fitzgerald)
 0309 (Van Gelder-NJ)
 ITALY: 7302a 0306 IDR3 Navy Rome V mkr CW (Walters-NJ)
 8685 0234 IRM Rome Medical R. V mkr CW (Fitzgerald-RI)
 8783.2 0540 ICB I.P.T. Genoa YL EE/Ital vm SSB (Ledlow-TX)
 NORWAY:17074.4 0525 LGX Rogaland R. CQ mkr CW (Dawson-CA)
 POLAND:8557 0300 SPE PTT Szczecin R. ID mkr CW (Fitzgerald-RI)
 16885 0637 SPH PTT Gdynia ID mkr CW (Lowe-AR)
 PORTUGAL:8550 0250 CTP NATO.Oeiras ID QSX mkr CW (Walters-NJ)
 SPAIN: 8618 0545 EAD3 CTNE Aranjuez R. CQ mkr CW (Connell-MA)
 SWEDEN:12880.5 0255 SAG6 A.C.T. Göteborg R. CQ mkr CW (Osterman-OH)
 SWITZERLAND:4302a 0948 HEB RSSA Berne CQ mkr, tfc CW (Connell-MA)
 USSR: 8441 ??? UAT M.P.T. Tallin Estonia CQ QSX mkr CW (Longacre-NY)
 10120 0142 R. Moscow NA Svc EE feeder USB (Moore-PA)
 12950a 0030 UFB M.P.T. Odessa (fixed) V mkr CW (Longacre-NY)
 13010 2100 UQA Odessa ? V-CQ mkr CW (Lowe-AR)
 16992.8 1536 UAT Moscow ID QSX mkr CW (Lowe-AR)
 17038a 2055 URL Sevastopol R. very fast V mkr CW (Thompson-NM)
 YUGOSLAVIA:12780.5 0554 YUR D.F.R. Rijeka R. V mkr CW (Lowe-AR)
 16942.5 0758 YUR PTT Rijeka R. V mkr tfc list CW (Conway-MALAWI)

AFRICA

ANGOLA:13830 2330 CQX40 EMPUTEL Luanda OM EE/YL FF vm SSB (Ledlow-TX)
 20535 1315 CQX58 EMPUTEL Luanda OM EE/YL PP/FF vm (MacCollum-IN)
 CAPE VERDE IS.:8467 0129 D4A PTT S. Vicente CQ mkr CW (Lowe-AR)
 C.A.EMPIRE:18725 1433 TLZ87 FCR Bangui YL FF/EE vm L7SB (Neville-NY)
 CONGO: 6617 0100 Brazzaville VOLMET FF wx AM(VanGelder-NJ)0440 (Moore-PA)
 2000 OM FF (Brownrigg-QUEBEC)
 12175 0635 TNR22 STIC Brazzaville YL FF vm USB (George-TX)
 DJIBOUTI:13042.5 0035 FUV French Navy Djib City V mkr CW (Thompson-NM)
 0329 (Fitzgerald-RI)
 EGYPT: 8473a 0410 SUP S.C.A. Port Said R. CQ mkr tfc list CQ (Connell-MA)
 IVORY COAST:7825 0552 TUA47 INTELCT Abidjan YL EE/FF vm L7SB (Moore-PA)
 LIBERIA:7638 0606 KKN44 US Embassy Monrovia QRA mkr CW (Lowe-AR)
 MADEIRA:6393.5 0128 CUB CPRM Madeira R. CQ mkr CW (Fitzgerald-RA)
 7458a 0255 CPRM Funchal OM PP vm w/music SSB (Boehm-TX)
 NIGER: 19196 0010 SUR91 FCR Niamey YL FF/EE vm USB (Ireland-TN)
 SENEGAL:6610 0402 FIR Dakar Aeradio OM EE/FF tfc USB (Moore-PA)
 8722 0230 6WW French Navy Dakar V mkr CW(Fitzgerald-RI)
 8992 0255 6WW French Navy Dakar V mkrCW(Walters-NJ)(Ruggley-IL)
 SO.AFRICA:4247 0040 ZRH Cape Naval R. Simonstown ID mkr CW (Brame-IL)
 9240a 0530 ZUD Olifontsfontein Intnt'1 OM EE/AF vm USB (George-TX)
 12693 0810 ZRQ Cape Naval R. Simonstown V mkr CW (Connell-MA)

ASIA

AFGHANISTAN:18640 1200 YAK MinCom Kabul OM EE vm USB (Van Gelder-NJ)
 CHINA: 16950 1557 XSQ Canton R. CQ mkr CW (Lowe-AR)
 17103.2 2125 XSG3/7 Shanghai R. CQ mkr CW (Fitzgerald-RI)
 HONGKONG:22536 0742 VPS C&W Cape D'Aguiilar IB mkr CW (Conway-MALAWI)
 INDIA: 10017 1236 Calcutta VOLMET OM EE aere wx AM (Ledlow-TX)
 12745.5 0658 VNG PTT Calcutta Coast R. time tick CW (Dawson-CA)
 0828 (Thompson-CA)
 INDONESIA:8436a 1259 PKG DJPL Palembang R. CQ mkr CW (Forsman-CA)
 8686 1110 PKF DJPL Makassar R. CQ mkr CW (Forsman-CA)
 8890 0848 PFK DJPL Jayapura R. CQ mkr CW (Pagano-DC)
 11367a 0710 PON Djakarta Aeradio clg Sydney VOLMET CW (Connell-MA)
 ISRAEL:13051.5 0000 AXO PTT&R Haifa CQ mkr CW (Brace-IL)
 INDO: 12704.5 1154 PKD DJPL Surabaya CQ mkr CW (Lowe-AR)Misplaced-sorry!
 JAPAN: 8000 0820 JJJ M.P.T. Koganei time tick YL ID AM (Thompson-CA)
 0830 (Hall-CA) JG2AE T/S AM @ 1630 (Leonard-GO)
 8654 0752 JCS NT&T Ghoshi V mkr CW (Boehm-TX)
 8903 1543 JMA Tokyo VOLMET OM EE aere wx. Strong.AM(Thompson-C)
 10000 0430 JJJ M.P.T. Tokyo YL JJ time sigs AM (Trubee-HI)
 KOREA,N.:13727a 1655 KCWS Pyongyang YL EE vm SSB (Carlson-CA)
 KUWAIT: 8525 1541 9KK6 PTT Manual CQ CW (Conway-MALAWI)
 MALAYSIA:8879.5 1600 Kuala Lumpur Aeradio OM EE wkg acft SSB(Carlson-CA)
 MONGOLIA:18625 0605 JUF36 PTT Ulan Bator EE tfc CW (Kan-HONGKONG)
 NEW CALEDONIA:8698 0643 FJF8 Noumea CQ mkr CW (Lowe-AR)
 NEW ZEALAND:11130 0557 ZLZ20 Wellington Met CQ mkr CW (Lowe-AR)
 OKINAWA:12667.5 0735 JGX NT&T Naha CQ mkr CW (Dawson-CA)
 PAKISTAN:22425 0724 AQP6 Navy Karachi V mkr CW (Conway-MALAWI)
 PHILIPPINES:8581a 1050 DZO Lustrre S. Jose del Monte R. CQ mkr CW(Forsman)
 SINGAPORE: 8609a 1600 T.A.S. CQ mkr CW (Thompson-NM) (Conway-MALAWI)
 TAIWAN: 8445 1240 XSX Keelung R. CGRA CQ mkr CW (Thompson-NM)
 TURKEY: 4260 1752 TBA Navy Ankara V mkr CW (Conway-MALAWI)
 6395 0125 TBA Navy Ankara V mkr CW (Fitzgerald-RI)0310(Walters)
 USSR: 12695 0138 UKN M.P.T. Archangel CQ mkr CW (Longacre-NY)
 17152 2202 UFW Vladivostok R. V-CQ mkr CW (Lowe-AR)
 VIETNAM:8590 1320 XV88 DGPT Ho Chi Minh-Ville R. CQ mkr CW (Forsman-CA)

OCEANIA

AMERICAN SAMOA:17391.5 0230 KUQ20 G.A.S. Pago Pago clg Suva SSB(Carlson)
 0449 EE tfc USB (Dawson-CA)
 17610a 0000 KUQ G.A.S. Pago Pago YL EE tfc USB (Ireland-TN)
 AUSTRALIA:4500 1144 VNG TA Lyndhurst OM EE time AM(Blaise-La)
 7500 0825 VNG T.A. Lyndhurst OM time AM(Forsman)(Stickle)(Boehm)
 10017 0730 Sydney VOLMET OM EE wx AM(Thompson-CA) 1131 (Moore-PA)
 11202 0754 AXI RAAF Darwin OM EE wkg Pearce USB (Chabak-GO)
 11236 0651 AXF RAAF Sydney OM EE wkg MAC60150 USB (Chabak-GO)
 12000 0536 VNG TA Lyndhurst time tick AM(Thompson-CA)(Leonard-GO)
 16918.5 0230 VHP RAN Canberra V mkr CW(Thompson-NM)(Conway-MWI)
 17202a 0545 VIP OTC Perth R. CQ mkr CW (Forsman-CA)
 GUAM: 8989 0859 AIE Andersen AFB OM EE wkg WA375 USB (Chabak-GO)
 HAWAII: 6506.4 0545 NMO USCG Honolulu marine wx OM EE USB (Starr-GA)
 8765.4 0550 NMO USCG Wahiawa OM EE marine wx USB (George-TX)
 13201 0420 AGA Hickam AFB OM EE wkg MAC50226 USB (Carlson-CA)
 NEW ZEALAND:8678 0503 ZLP Navy Irirangi V mkr CW (Boehm-TX)
 8737 0800 NZPO Wellington OM EE wkg "Artagia" USB(Pokatilloff)
 16874.5 0236 ZLP2 Navy Irirangi V mkr CW (Fitzgerald-RI)
 TAHITI:17040.8 2050 FJA26 O.P.T. Mahina R. CQ mkr CW (daily)(Thompson-NM)
 HAWAII:13344 0933 KVM70 Honolulu VOLMET OM EE term foats AM(Webster-AL)

UNIDENTIFIED

5370a 0600 OM EE shore sta. clg oil rigs in North Sea SSB (Proom-ENG)
 6464a 1140 HIS3 V mkr CW. City & agency? CW (Forsman-CA)
 6803a 0801 "X" beacon CW (Forsman-CA)
 7657 0345 "W" beacon CW (Boehm-TX) 0813 "W" beacon CW (Forsman-CA)
 8577a 0907 GZZ CQ mkr CW (Forsman-CA) Royal Navy - where? Ed.
 11460a 0045 "QRA DE WFI27 WFK21 AR" CW(Lowe-AR) Whoops - ATT NYC, RTTY
 stas with a CW callup. - Ed.
 12540a 0754 HLF CQ mkr CW (Connell-MA)
 13009 0600 OMP Czech CQ mkr CW City & Agency? (Lowe-AR)
 13980 1045 "North Pole R/T Sta" YL EE vm AM - Hoax or real?(Boyd-FRG)
 14970a 2240 "I" beacon CW repeated indefinitely CW (MacCollum-IN)
 17965 0105 KAB Honolulu(?) OM ee wx, talk re wx fronts etc USB(Ireland)

17965a 2110 Nashville TN Flight Test wkg undt acft SSB (Longacre-NY)

SHIPS

2182 0100 LDYO "Bruni" cargo OM EE wkg Port Huron MI USB(A.Mason-ONT)
 2120 HMS "Sheffield" OM EE wkg Niton R. AM (Proom-ENGLAND)
 6506.4 0014 USCGC "Woodrush" OM EE clg NMF Boston USB (Starr-GA)
 0107 USCGC "Dallas" OM EE clg "Steadfast" USB (Starr-GA)
 0615 NROC USCGC "Storia" OM EE clg Honolulu USB (Brick-TX)
 0639 NNHA CGC "Acushnet" OM EE wkg New Orleans USB (Brick-TX)
 2311 NBVG CGC "Unimak" OM EE wkg NMF Boston USB (Starr-GA)
 2345 WTEW NOAA ship "Whiting" OM EE clg NMM USB (Starr-GA)
 8364a 2053 ABAC bulk carrier "Antiparos" clg YUR CW (Connell-MA)
 8445a 0051 KCBG MV "Zapata Ranger" OM EE wkg NMM USB (Hrlnvak-IL)
 12330a 0402 "Madruvedor" WYM7002 off La Paz OM EE clg KMI SSB(Ledlow-TX)
 12345a 0051 GUVF "Dundee Kingsnorth" oil platform wkg WOM USB(A.Mason-O)
 12430a 2200 WYPI "American Aquarius" containership clg KWS643 USB(Mason)
 12435 2242 SMPR "Atlantic Express" cargo OM EE clg Miami USB(MacCollum)
 12543 0753 GZKA "Act 3" cargo clg GYS CW (Connell-MA)
 16556.1 1633 GUET "Stainless Patriot" tankship OM EE wkg GKW62 USB(Mason)

AIRCRAFT

5589 1232 Japan Air 1008 OM EE wkg Anchorage & Tokyo USB (Hall-CA)
 1233 China Int 091 OM EE wkg Anchorage USB (Hall-CA)
 1240 France Int'l 866 OM EE wkg Anchorage USB (Hall-CA)
 1241 Tiger 24 @-55N 150E OM EE wkg Tokyo SSB (Hall-CA)
 5688a 0307 Boeing 71 OM EE wkg Boeing PSA USB (Short-CA)
 5696 0206 USCG #1339 OM EE clg #1341 SSB (Starr-GA)
 0230 USCG #1351 OM EE wkg NOM & CG#1350 USB (Stone-ONT)
 6750 0608 Decorator OM EE wkg MacDill patch to DEEPEN USB (Chabak-CO)
 8959 0530 American 437 OM EE wkg San Juan USB (Ruggley-IL)
 8964 0540 MAC50216 OM EE clg Hickam AFB USB (Ruggley-IL)
 8984 0345 Berra 23 OM EE wkg Portsmouth & NY ICC USB (Blaise-LA)
 8989 0500 Elmendorf 142 OM EE wkg McChord AFB USB (Gaede-CA)
 0558 AFI McClellan AFB OM EE wkg AF#1435 USB (George-TX)
 0727 Swan 12 OM EE wkg Andersen patch to Swan Monitor USB(Chabak)
 8993 0450 Teal 01 OM wkg MacDill patch to Miami Monitor USB(Russell-IL)
 0708 Gull 09 OM EE wkg Gull Monitor on MacDill patch USB(Chabak)
 11075 0500 Bloodhound OM EE wkg ATLAS US Customs DC USB (Russell-IL)
 11214 1830 Eddy 18 OM EE wkg RADAR SHOP & RAYMOND 24 USB (Russell-IL)
 11228 1645 Gull 22 OM EE wkg MacDill patch to Miami Monitor USB(Russell)
 11236 0651 NUM OM EE wkg RAAF Sydney USB (Chabak-CO)
 11249 2100 Trout 99 OM wkg Andrews patch to ORION(Canaveral)(Russell-IL)
 11367 2118 Air France Concorde 201 OM EE wkg NY Aeradio USB(Russell-IL)
 2258 Czech 20 OM EE wkg NY ARINC USB (Russell-IL)
 13205 1605 Aeroflot 341 OM EE clg "Boyerous" R. Cuba USB (Russell-IL)
 17800a 1827 Lockheed 3 OM EE wkg Lockheed 64 USB (Russell-IL)
 17972 1923 Teal 23 wkg MacDill patch to Miami Monitor re Cora(Russell)

"SPY" NUMBERS STATIONS

4670a 0320 YL SS 4-digit groups AM (Maghakian-NY) 7/23/78 /7/27/78
 0308 YL SS "803 1234567890, 10 tones "Grupo 215" 4-d grs(Novello)
 4685a 0105 YL SS 3-digit identifier AM 8/3/78 (Brotsky-NY)
 4710a 0315 YL SS 4-digit groups AM 7/27/78 (Fitzgerald-RI)
 5815a 0400 YL SS "665" AM(Brodsky-NY) 7/7/78 /7/20/78
 7585a 0637 YL SS 5-d groups "Final Final" 0645* carrier on AM(Forsman)
 9440a 0615 YL SS 5-d "Atencion 357 75" 8/8/78 (Hall-CA)
 9450a 0300 YL EE "Papa Uniform" flute mx 5-d groups AM 7/25(Maghakian)
 9027a 0235 YL accented EE "Info" 700 & 586 2 msgs 5-d 0250* identical
 xmsn repeated on 9030a on 8/9 & 8/14AM 8/7/78 (Compton-MA)
 9030a 0232 YL EE "SF" "Info" 700 46 gr 163 58 gr 5-d AM identical xmsn
 on 7/31 & 8/4/78. 8/2/78 (Compton-MA) /8/3/78
 0232 "PU" YL EE 5-d "Info for 599 36 gr 876 59 gr" AM (Compton-MA)
 0235 "FU" "599 60 gr 201 49 gr" 5-d 0250* YL AM 8/10 (Compton-MA)
 10492a 2209 YL GG 5-digit groups ea gr repeated SSB 7/25/78 (Compton-MA)
 10502a 0200 YL EE "Sierra Foxtro" "Info 700 46 163 58" 5-d 7/28(Compton)
 0200 YL EE "PU" "Info 599 50 876 70 gr" 5-d AM 7/29 (Compton-MA)
 9470a 0505 YL SS 5-d groups AM (Grenier-CA)
 9527a 0620 YL SS 5-d grs //9440, spur? AM 8/8/78 (Hall-CA)
 9925 0537 YL SS 5-digit groups AM 7/11/78 (Dawson-CA)
 9950a 0807 YL SS 5-d grs "Final" @ 0817 AM 7/30/78 (Elder-SASKATCHEWAN)
 10570a 1558 YL EE 4-d AM, sound like stuck record 1610-27 AM(MacCollum)
 10736a 0204 YL EE 5-d "PU" "Info 599 60 201 49 gr" 0219*(Date?)(McWhirtet)
 11520a 1605 "398" YL SS "12345678910 grupo ?" 4-d AM 8/6/78(Kerrigan-IL)
 11620a 0231 "SF" YL accented EE "Info for 700" 5-d AM 7/26/78(Maghakian-NY)
 14950a 2213 YL EE 5-d grs "End of Info" 2216* USB 7/12/78(MacCollum-IN)
 14970a 2230 YL EE "012" rptd to 2337* AM (MacCollum-IN) 8/2/78

COMMONLY USED COMMERCIAL AERONAUTICAL FREQUENCIES
HEARD BY THE EAST COAST LISTENER

By DON LONGACRE

A variety of networks covering the north and south atlantic, extending into western Africa, can usually be heard by the east coast DXer daily. In fact, the major world air route communications coverage is set up by the International Civil Aeronautical Organization (ICAO) by agreement. Further, privately owned communications groups contract their services to participating airlines and cooperatively interact among themselves. Thus long range operational radiotelephony communications are established between aircraft and ground stations worldwide.

One such private enterprise in the U. S. is Aeronautical Radio Inc. (ARINC). They are based in Maryland but their New York radio center is very active in the highly trafficked east caribbean area with San Juan and Miami ground stations as well as Santa Maria, Azores and Shannon.

These nets make facinating listening as they are usually always in EE and USB mode. All major international flights are represented and can easily be indentified by airline and flight number. Ground station call letters are seldom used; just the location name. Some use a designator such as BOAC who IDs as "Speedbird", Lufthansa as "Bluebird" and South African Airlines as "Springbok". Data transmitted is position, altitude, outside temperature, fuel remaining and callback time-position, plus any unusual information.

Frequencies commonly used in north Atlantic traffic are; 13328, 8945, and 5610. In central Atlantic routes; 13288, 8889, and 5610. South Atlantic; 6610, 8882, 10049 and 13344.

Dakar shares nets with both South American ground stations Rio and Recife with west African stations Casablanca and Abidjan on 6610, 8882 & 13344. After 0600 GMT listen for Cairo, Khartoum and other east Africans on 8959. Miami, New York and San Juan are focal spots and easy listening in the "local" area on 8959 and 6540 for aircraft in the busy north-south routes of the eastern Carribean.

Bear in mind these are only a few of the frequencies in use and not all are implemented at all stations at all times. The Pacific region offers good catches for the serious aeronautical DXer on the long haul nets which will improve with the sunspot cycle.

A 14" x 10" world map showing ICAO locations and HF nets may be obtained by writing; ARINC, 2551 Riva Road, Annapolis, MD 21401. It would be helpful if you mentioned you are aware of and intend to comply with the Communications Act of 1932 regarding divulging contents of aeronautical transmissions.

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SPECIAL QSL - RADIO NEW ZEALAND

During the month of September Radio New Zealand will offer a special QSL card for all correct reception reports. The occasion is their 30th birthday celebration. That's right folks, THIRTY years of operation. P. O. Box 2092, Wellington, New Zealand is the QTH to send reports or, perhaps a note of congratulation.

NEW ZEALAND RADIO DX LEAGUE - 30 YEARS OLD

A tip of the SPEEDX hat to the RNZRDXL. This excellent club has been going for THIRTY years now. SPEEDX offers our congratulations to the staff and members of this club. P. O. Box 1313, Invercargill, New Zealand is the place to write if you wish to contact them for info on their monthly bulletin, or simply to say "Houdy".

QSL REPORTS



Editor: Bill Cleveland
2441 Fairview Drive
Visalia, Calif. 93277

Verified countries -- 139

Deadline: 15th of month

Thought I was going to hit the magic number of 100 contributors this month, but fell a few short at 97--17 reporting for the first time. That is still a pretty fair representation, however, and would seem to indicate that reception hasn't been all that bad throughout the summer months--or maybe these are reports just coming in from last winter's endeavors. In at least a few cases (see LV de Chile) they are coming in after 4½ years!

September means that the fall DX season is at hand, schedules will be changing and presumably reception conditions improving. Even the temperature seems to have dropped a bit (although it still has a long way to go from your editor's vantage point). So let's get on with the show.

Europe

- ALBANIA:** R. Peking Relay, 9780, date/fqy "Red Rose" cd in 14d air (BRODSKY NY)
- AUSTRIA:** ORF, 6155, f/d cd of ORF centre w/SW studios in 53d air, no rp (HEATH KY); 9270, f/d cd "Phantasmagorical Landscape" in 38d air, no rp (THOMAS NC); 15155, f/d contemporary art cd "Glass Towers I" in 7 wks air, no rp (LOBDELL MA); 15195, same cd, no time (SMITH FL)
- BELGIUM:** ORU, 6080, f/d blue globe/logo cd in 26d air (DAUER OH), same in 30d air, no rp (STICKLE NY), same in 39d air for 1 IRC (DE KOYER NJ), same in 48d air, no rp (ANGELONI), same in 52d air for 1 IRC (FRASER MA); 9270, same cd in 44d, no rp (HOWELL CA); 15190, same cd in 31d air for 2 IRCs (KELLER CA)
- BULGARIA:** R. Sofia, 11750, f/d "Nessebur" cd in 42d air, no rp (STICKLE NY); 15330, same cd in 39d air, no rp (FRASER MA), f/d "Pamorovo" cd in 40d air, no rp (GARFIELD MA)
- CZECHOSLOVAKIA:** R. Prague, 7245, f/d "Trade Fair Grounds" cd in 60d air for 1 IRC (FRASER MA), f/d "Lake Mácha" cd in 60d air, no rp (KUCERA AZ); 11990, same cd in 56d air, no rp (SMITH FL), same cd in 109d air, no rp (ANGELONI NY); various fqys, several cds, no desc., in 35d (RUGGLEY IL)
- DENMARK:** R. Denmark, 15165, f/d "Radiohouse Aerial Tower" cd in 14d air, no rp (MAYER CA), same in 22d air, no rp (LEONARD FL)
- FINLAND:** R. Finland, 11233(??), f/d flag cd in 90d air, no rp (KUCERA AZ); 11735, f/d cd "Spring in Finland" in 35d air, no rp (LEONARD FL); 15105, f/d flag cd in 29d air, no rp (MILLER CA), date/time cd "Glass Blowing Industry in Finland" in 21d (MILLER CA), same in 39d air, 1 IRC (BUHAGIAR ONT), no data cd "Summer in Finland" in 35d air, 1 IRC (DE KOYER NJ), same in 35d, 1 IRC (HILL VA); 15200, same cd in 29d (MILLER CA); 15300, same cd in 21d, 1 IRC (MOUGENOT FRANCE); 15765(??), f/d "Spring in Finland" cd in 25d air, no rp (SCHWARTZ PA); 17785, same cd in 50d, no rp (NORCROSS HI)
- FRANCE:** R. France International, 15300, no data cd "L'Hotel de Ville" in 28d air, no rp (DAUER OH), f/d cd of boats on the Seine in 82d air, no rp (DALUM IN), f/d picture cd of Paris in 101d air, no rp (RUGGLEY IL); 21580, f/d cd of boats on the Seine in 105d air, no rp (MARTIN LA); 21620, same cd in 33d air, 1 IRC (FRASER MA)
- GERMANY (Democratic Republic):** RBI, 9270, f/d cd of gold medal winners in 60d air, no rp, + pennant (GARFIELD MA), f/d cd w/painting of clock tower in 48d air (ELDER SASK); 11890, gold medal winners cd in 73d air, no rp (MILLER CA)
- GERMANY (Federal Republic):** Deutsche Welle, 6040, no data ltr + pennant in 21d air, no rp (THOMAS NC)
- GREAT BRITAIN:** BBC, 11910, no data London Bridge cd in 19d air, no rp (WORREL ND); 15260, same in 45d air (MONJURE LA)
VOA Relay, 7200, f/d "Four Seasons" cd in 5d sfc (KASPRZYK TX); 7220, same cd in 7d sfc (KASPRZYK TX)
- GREECE:** V. of Greece, 11730, f/d plain white cd in 21d air, no rp (WORREL ND), same in 25d air (STICKLE NY), same in 27d air (DAUER OH), same in 43d sfc (LEONARD FL)
- HOLLAND:** R. Nederland, 9715, f/d cd of DX program producers in 22d air, no rp (KUCERA AZ); 11730, same cd in 30d air, 1 IRC (STONE ONT); 15220, f/d "Authentic Costumes" cd in 20d air, no rp (WORREL ND); 21640, same cd, no time (PROOM G. BRIT)
- HUNGARY:** R. Budapest, 9585, f/d orange logo cd in 23d air (DAUER OH), f/d bridge picture cd in 60d sfc, no rp (SCHWARTZ PA), f/d orange veri statement cd in 44d air (MARTIN LA), "QSL" cd in 63d sfc, no rp (RUGGLEY IL); 11910, f/d black cd w/colored circles in 22d air (WORREL ND), f/d orange cd w/drawing of bldg in 68d sfc (STICKLE NY); 15225, f/d white/yellow/black bridge cd in 83d sfc (BAKER IL)

.....I'm so used to being tense that when I'm calm I get nervous.....

ITALY: RAI, 6010, f/d cd "Il Pescatore" in 54d sfc, no rp (DAUER OH), f/d cd "Il Settecento Italiano" in 52d sfc, no rp (LEONARD FL); 9252, f/d cd "Vaprio sull' Adda" in 90d air (KUCERA AZ), f/d cd "Ritratto di Bambino" in 114d sfc (MILLER CA), same in 152d sfc (GARFIELD MA)

LUXEMBOURG: R. Luxembourg, 6090, f/d coat of arms/antenna cd in 13d sfc, 1 IRC (PROOM GB), same in 39d air (MARTIN LA), same in 60d air, 2 IRCs (SCHWARTZ PA), same in 92d sfc, no rp (SMITH FL)

MALTA: Deutsche Welle Relay, 9610, no data circles cd in 40d air (STICKLE NY)

NORWAY: R. Norway, 9550, f/d cd "Ramsøya ved Skottevik, Sørlandet" in 68d air (WORREL ND); 9645, same cd in 40d air; 1 IRC (MALONE MA); 11860, same cd in 20d air (HOLLENECK CA); 15175, f/d cd "Sognefjord" in 30d air, 1 IRC (STONE OMT), same in 52d sfc (HEATH KY), f/d cd of houses on water in 43d air (QUINN OH); 17795, "Ramsøya ved Skottevik" cd in 44d air (SMITH FL); 21730, same cd in 50d air, 1 IRC (MILLER CA); no fgy cd of houses on bay in 65d sfc (SCHWARTZ PA)

POLAND: Polskie R., 7270, f/d "Runners" cd in 79d air, no rp (MARTIN LA); 15120, same cd in 40d air, no rp (WEBSTER ONT), f/d cd "Warsaw Royal Castle" in 42d, 2 IRCs (DONLY SC)

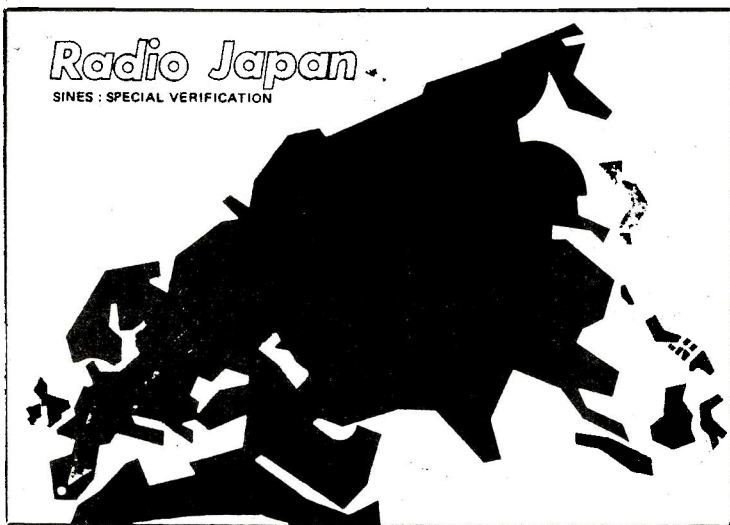
PORTUGAL: Adventist World R., 9670, f/d cd "ANR" in 4 colors in 11d air (STICKLE NY), f/d cd "Cross w/angels" in 11d air (STICKLE NY)

IBRA R., 9670, f/d cd "A Baptism in Africa" in 26d air, 1 IRC (STICKLE NY)

R. Japan (Sines test mxn), 9670, f/d white/yellow/purple/silver map cd (below) in 21d air, 2 IRCs (DONLY SC), same in 15d, no rp (HOFFMAN PA), same in 19d, no rp (VAN FLEET), same in 33d (KEGEL MD)

Thanks to

Bob Donly



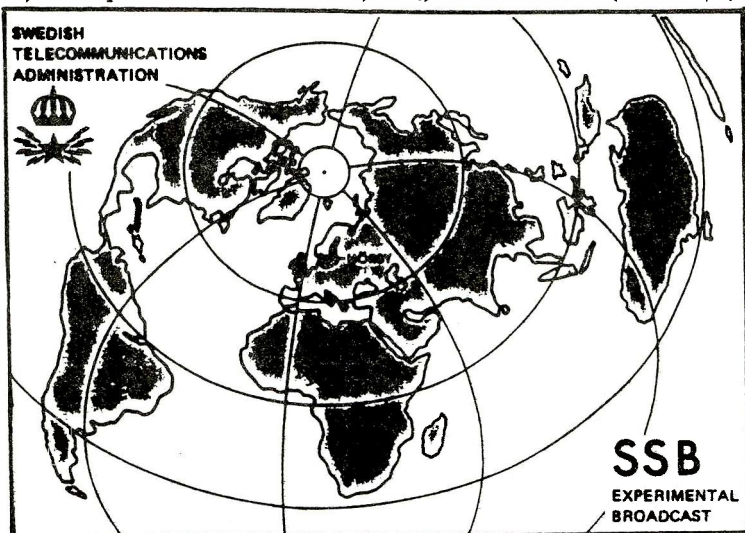
R. Portugal, 6025, f/d cd "Decorative fountain at the Passeio Alegre" in 53d air, no rp (KUCERA AZ), f/d cd, no desc., in 27d air (SKORA ONT); 11935, f/d cd "Costumes da Nazare" in 39d air, no rp (SMITH FL), same cd, no time, PP rpt (THOMAS NC), f/d cd "Liga dos Amigos da Nazare" in 7 mo sfc, 2 IRCs (WHEELER KS), f/d "Boating" cd in 73d air, no rp (MARTIN LA), f/d cd of Portuguese Navigator Fernão de Magalhães in 32d air (HOLLENECK CA); 17880, "Costumes da Nazare" cd in 34d air (MILLER CA)

ROMANIA: R. Bucharest, 9290, f/d cd "National costumes of Cluj region" in 42d air, no rp (SCHWARTZ PA), f/d cd "Peasant woman of Garj" in 57d air, no rp (MARTIN LA), f/d cd "Otopeni International Airport" in 116d air (LEONARD FL); 11940, f/d cd of woman in native costume in 62d air, 1 IRC (KELLER CA), f/d cd "Olimp Seaside Resort" in 62d air (MILLER CA)

SPAIN: Spanish Foreign R., 6065, f/d cd of sailboat in bay in 30d air, no rp (SCHWARTZ), f/d "picture cd" of Spain in 20d air for no rp, SS rpt (RUGGLEY IL); 9505, f/d form ltr in 50d air, no rp (NORCROSS HI); 11775, f/d cd "Senora at a Mission" in 45d air (MILLER CA); 11815, f/d cd of white bldg and woman in 20d air (STICKLE NY); 11880, f/d cd, no desc., in 97d air for SS rpt (KUCERA AZ), f/d cd "Islas Baleares" in 25d air, no rp (WORREL ND), same in 30d air (STONE OMT), same in 38d air (MILLER CA), f/d cd "Ia Isla Blanca" in 19d air (DAUER OH), f/d cd w/photo of girl, no time, SS rpt (MACDONALD)

SWEDEN: R. Sweden, 9630, no data map cd w/xmtr sites in 25d air, 1 IRC (HILL VA); 9695, same cd in 24d air, no rp (MCCURDY CA), f/d special stamp cd in 24d (WORREL ND); 11705, f/d blue/yellow map cd + pennant in 25d air, no rp (THOMAS NC); 11905, same cd in 24d + pennant, no rp (VAN FLEET NY), f/d commemorative stamp cd in 48d air (STICKLE NY); 15205, blue map cd in 35d air, 1 IRC (CHAN OR), f/d "Linnea" flower stamp cd in 24d air, 1 IRC (FRASER MA); 17790, f/d blue/yellow map cd + pennant in 31d air, 1 IRC

SWEDEN (continued): (MELLINGER NJ); 21555, f/d white cd w/yellow world map, xmttr site indicated, for experimental SSB broadcast, in 29d air for 2 IRCs (DONLY SG) (below)



SWITZERLAND: RCBS, 7210, f/d globe w/earphones cd in 48d air, 1 IRC (MELLINGER NJ)

SBC, 9725, f/d SBC building cd in 103d sfc, no rp (HRIYNAK IL); 11715, same cd in 62d sfc, no rp (HARADA HI); 11780, same cd in 53d air, no rp (HEATH KY); 15305, f/d cd, no desc, in 18d air for FF rpt. Said effective November, 1978 name will be: Radio Suisse Internationale (PINEAULT QUE); 17740, SBC building cd in 45d sfc, no rp (FOWLER ONT)

USSR: (Ed. note: fgys are as received in both kHz and MHz; spellings have been adjusted to agree with "Guide to Soviet Broadcasting." Please do not indicate sites unless so designated on your QSL cd. Even these are suspect. For more accurate information refer to "USSR High Frequency Broadcast Newsletter").

Armenian SSR: R. Moscow, 17700 (Yerevan), f/d skyscraper and flowers cd in 41d air (FOWLER ONT)

Latvian SSR: R. Riga, 5935, f/d green/white cd w/native couple in 153d sfc, no rp (HOFFMAN PA)

Lithuanian SSR: R. Vilnius, 9600, f/d flower cd in 23d air, no rp (VAN FLEET NY), same in 29d air, no rp (WORREL ND); 15100, f/d cartoon cd of tree and birds in 77d air, no rp (KUCERA AZ)

RSFSR: R. Moscow, 9.53 (Moscow), 9.68 (Moscow), 11720 (Khabarovsk), 11.75 (Moscow), 11850, 12020, 12030 (Nikolayevsk-on-Amur), 12040 (Nikolayevsk-on-Amur), 15100, 15130 (Vladivostok), 15425 (Petrovavlovsk-Kamchatsky). F/d cds in 23-125d air, no rp. "Broadcast Studios" (KUCERA AZ), large building w/church (SMITH FL)(DALUM IN), 60th Anniversary (SMITH FL)(VAN FLEET NY)(HEATH KY)(CHAN OR)(DALUM IN), High-rise building (SMITH FL), birch trees and snow (MILLER CA)(MELLINGER NJ)(GEORGE TX), clock tower (BOURNE OKINAWA), Moscow scene (RUGGLEY IL), Kremlin tower (THOMAS NC)

R. Peace and Progress, 15400, date/time/mb cd w/drawing of Red Square and logo in 23d air, no rp (COOK CA)

R. Rodina, 15455, f/d R. Moscow cd w/Rodina typed in, 26d air, RR rpt (MELLINGER NJ)

Ukrainian SSR: R. Kiev, 11780, f/d "Taras Shevchenko State University" cd in 44d air, no rp (VAN FLEET NY); 15245, f/d cd w/aerial photo of Kiev in 120d air (KUCERA AZ)

R. Moscow, 9765 (Lvov), 11730 (Vinnitsa), 11770 (Kiev), 11850 (Vinnitsa), 15465 (Vinnitsa). F/d cds in 30-74d air. Winter scene w/birch trees (SMITH FL)(BRODSKY NY), 60th Anniversary (BAKER IL), clock tower (SMITH FL), university (JONES VA), blue cd w/blgd and trees (BRODSKY NY)

Uzbek SSR: R. Tashkent, 15460, f/d cd "Mir-Arab Madrassah & Timurid Mausoleum" in 36d air, no rp (BUHAGIAR ONT), f/d logo cd w/pix of new and old buildings in 40d air, no rp (HEATH KY)

VATICAN CITY STATE: Vatican R., 5995, f/d cd of angel statue overlooking cross-shaped antenna in 22d air, no rp (DAUER OH); 6015, f/d cd w/church and antenna in 17d air, no rp (SNYDER NY); 9605, f/d antenna farm cd in 15d air (SKORA ONT); 9645, no data cd w/picture of the Pope in 17d air (STICKLE NY), f/d cd w/picture of cathedral in 114d air (KUCERA AZ); 11845, f/d antenna farm cd in 12d air, no rp (ROPER AL); 17840, f/d cd of dome of St. Peter's and antenna, in 62d air, no rp (SMITH FL)

...The only thing that goes as far as it used to ten years ago is the quarter that rolls under the bed...

YUGOSLAVIA: R. Belgrade, 9620, f/d "Mostar" folder cd in 42d air, no rp (DAUER OH), same in 52d air, no rp (PECK NY), f/d "Ulcinj" folder cd in 53d air, 1 IRC (HOPKINS PA), f/d cd w/aerial photo of Dubrovnik in 90d air, no rp (RADTKE CA), f/d folder cd w/picture of "Ohrid" in 361d (64d after f/up), 1 IRC (HEATH KY), f/d folder cd w/pix of lake in 85d air (LEONARD FL), f/d cd of houses on hill above waterfall in 39d air (MARTIN LA); 9670(??), f/d beach picture cd in 65d air, 1 IRC (SULAK PA)

Africa

ANGOLA: R. Nacional de Angola, 7245, f/d ltr in 261d sfc for MS, PP rpt, v/s Rui Carvalho (PINEAULT QUE); 9535, f/d EE ltr in 146d sfc for 2 IRCs, v/s Jose Alves Saraiva (FOWLER), f/d EE ltr in 98d sfc, 1 IRC, PP rpt (HOPKINS PA); 9655, f/d ltr in 106d sfc, 2 IRCs, v/s Rui Carvalho (THOMPSON CA); 11955, f/d EE ltr in 4 mo air for MS, PP rpt (LAZARUS LA)

ASCENSION ISLAND: BBC Relay, 9580, no data London Bridge cd in 19d air (WORREL ND)
VOA Relay, 17830, f/d "Four Seasons" cd in 5d sfc (KASPRZYK TX)
EENIN (People's Rep.): LV de la Revolution, 4870, f/d cd w/five scenes in 25d air, no rp, tri-lingual rpt form (MARTIN LA), same in 39d air, 1 IRC, FF rpt (HOPKINS PA), same in 63d air for MS (used) and FF rpt (WEBSTER ONT)

CAMEROON (Fed. Rep.): R. Yaounde, 4850, fqy only personal ltr in 61d air, 1 IRC, FF rpt (HEATH KY)

CANARY ISLANDS: REE Relay, 11880, f/d cd, scene of Ibiza, in 25d air, no rp (HOPKINS PA)

DJIBOUTI REPUBLIC: Rdif. TV Djibouti, no fqy, date only logo cd w/skcd, no time (SNYDER NY)

EGYPT: R. Cairo, 6230, f/d cd w/drawing of street scene, 107d air, no rp (MCCURDY CA), same in 125d sfc, 2 IRCs (THOMPSON NM); 9475, same in 122d (FRASER MA), same in 121d air, 1 IRC (MALONE MA), same in 135d air (HOOK FL), same in 106d (GARFIELD MA), same in 95d (MILLER CA), f/d cd w/sketch of old Cairo in 33d (DAUER OH), f/d cd w/lake and pyramids in 89d sfc (LENTZ PA), same in 146d air (MILLER CA)

GHANA: GBC, no fqy, f/d cd w/red/yellow/green border, 29d sfc, 1 IRC (HOWELL CA)

KENYA: V. of Kenya, 4915, f/d aerogramme w/verl statement, drawings of studios in 18d air for 2 IRCs (DONLY SC)

LIBERIA: ELWA, 4770, f/d native drummer cd in 117d sfc, 1 IRC (HAGEN IL), same in 119d air, 2 IRCs (LINK CA), same in 120d air, 3 IRCs (NORCROSS HI)

VOA Relay, 11840, f/d "VOA verification cd" in 13d sfc (COOK CA); 17870, f/d "Four Seasons" cd in 9d air (BRODSKY NY)

MALAGASY (Dem. Rep.): R. Nederland Relay, 11740, f/d cd of Dutch windmill in 31d air (WORREL ND), f/d cd w/Amsterdam view in 104d air, no rp, FF rpt (PINEAULT QUE)

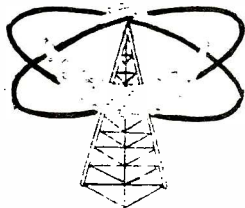
MAURITANIA (Islamic Rep.): Rdif. Nationale, 4845, date/time African map cd in 135d sfc, no rp, FF rpt (SULAK PA) (see below)

إسي نواكشوط

هنا نواكشوط

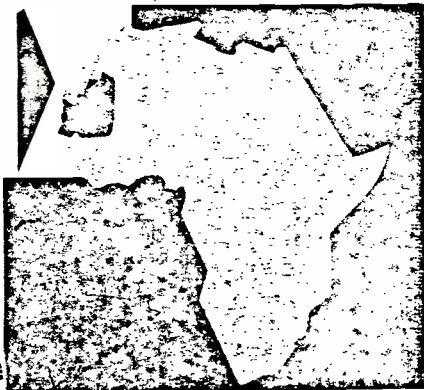
HUNA NOUAKCHOTT!!

ICI NOUAKCHOTT



الإذاعة الموريتانية

RADIOMAURITANIE



MOROCCO: VOA Relay, 7230, f/d "Four Seasons" cd in 8d sfc (KENNEDY FL)

NIGERIA: V. of Nigeria, 7275, f/d green/white coat of arms cd in 32d air, no rp (HEATH), same in 66d for 1 IRC (SNOWDEN CA), same in 58d for 2 IRCs (THOMPSON CA), same in 72d for no rp (KUCERA AZ); 15120, same in 58d for 2 IRCs (THOMPSON CA)

SEYCHELLES: FEBA, 9760, no data yellow map cd in 101d sfc, no rp (BOURNE OKINAWA); 15280, f/d orange map cd in 75d air, 3 IRCs (logged in Bangladesh) (STICKLE NY)

SOUTH AFRICA: RSA, 9585, f/d cd "Malachite Kingfisher" in 19d air, no rp (MILLER CA), same in 61d sfc (GAGNON NH); 11900, same in 16d (STICKLE NY), in 20d (DENNIS IN), in 30d (BAKER IL); 15220, same in 18d, 1 IRC (MILLER CA); 17780, same in 21d (THOMAS NC), no time (LEDLOW TX)

SABC, 4810, f/d cd + pennant in 74d air (RUGGLEY IL)

SWAZILAND: TWR, 9520, f/d African map cd in 110d air, 3 IRCs (KUCERA AZ)
TANZANIA: R. Tanzania, 15435, time/fqy "Sauti ya Tanzania" cd in 64d air, 1 IRC (HEATH), same in 105d air, 2 IRCs (NORCROSS HI)
TOGO: R. Togo, 5047, f/d map cd in 24d air for MS, FF rpt (DALUM IN)
TUNISIA: Rdif. TV Tunisienne, 7275, f/d "Oasis" pc in 56d air, 1 IRC (KENNEDY FL); 15225, same in 49d air, no rp (MARTIN LA), f/d cd of man watering camels in 74d air, no rp (WEBSTER ONT)

Asia

BRUNEI: R. Brunei, 7215, date/fqy cd map and city cd in 24d air, 3 IRCs (NORCROSS HI)
CHINA (People's Rep.): R. Peking, 7120, f/d cd "Rose in bloom" in 23d air (GAGNON NH); 9780, date/fqy cd "After the Performance" in 16d air (WORREL ND); 11650, date/fqy cd "On Patrol" in 13d (MILLER CA); 15045, date/fqy cd "Young couple studying" in 19d air (MILLER CA); 15520, "After the Performance" cd in 20d (NORCROSS HI), "Red Flag Canal" cd in 30d (DAUER OH)
CHINA (Republic): VOF, 15235, f/d cd about stamps(?) in 90d air, 2 IRCs, FF rpt (MOUGENOT FRANCE); 17890, f/d cd "Cheng Wen-Kuang horse painting" in 44d air, no rp (HOLLENBECK CA), same in 43d air (SULAK PA), same in 61d (MILLER CA), same in 62d (HEATH KY)
CYPRUS: CBC, 9690, f/d "map" of Cyprus w/Venus on back, 25d air, 1 IRC (BUHAGIAR ONT)
INDONESIA: V. of Indonesia, 11790, date/fqy cd w/pix of cow cart in 240d air, no rp (KUCERA AZ), date/fqy multi-lingual globe cd in 258d sfc, no rp (KAWCHUK SASK)
IRAN: V. of Iran, 15084, f/d cd "Kerman TV Station" in 30d air, no rp (LEDLOW TX), same cd in 47d air, no rp (JONES VA)
IRAQ: R. Baghdad, 9745, fqy only cd, no desc., 89d air, FF rpt (PINEAULT QUE); 11225(??) (shouldn't this be 11925?) f/d logo map, photo of Lion of Babylon in 29d air (DAUER OH); 11905, f/d map cd in 5 wks for 1 IRC (CARTER LA)
ISRAEL: IBA, 9435, 9865, 11655, 15105, 15485, 15545. F/d 30th Anniversary cd in 13d air, no rp (MCCURDY CA), same in 46d air, 3 IRCs (SCHMUCKER NE), same in 47d air, 1 IRC (FRASER MA), f/d cd w/drawing of the Western Wall in 50d air (BUHAGIAR ONT), same in 54d air (SNYDER NY), same in 120d air (KUCERA AZ), f/d "Declaration of Independence" cd in 37d air (STICKLE NY), same in 40d air (THOMAS NC), same in 41d air (RUGGLEY IL), same in 50d air (JONES VA)
JAPAN: NSB, 9595, f/d antenna cd + fact sheet in EE, 186d air for 2 IRCs (CLEVELAND CA) R. Japan, 9505, 11815, 15105, 15195, 15270, 17795, 17825, 17880. Date/fqy cds in 10-19d air, no rp. "Hakata doll modeled after girl in kimono" (GARFIELD MA)(CLEVELAND CA) (ESQUIVEL CA)(PEARSON OR)(MILLER CA)(HALL CA), "Pagoda and Sarusawa Lake" (WORREL ND) (JONES VA), "Fireworks at Lake Ashinoko" (SKORA ONT), "Bamboo Grove" (RUGGLEY IL), "Tower Trees" (MACDONALD NJ)
KOREA (Dem. People's Rep.): R. Pyongyang, 9420, veri cd (no desc.), pennant, badge, folder about Pyongyang zoo, and EE xmsn sked in 134d, no rp (WATSON CA); 11535, f/d "Revolutionary Opera" cd in 120d for 2 IRCs (BROWN MI), f/d cd of 3 actors dressed as soldiers in 118d air, no rp (KEGEL MD)
KOREA (Republic): R. Korea, 9720, f/d cd "Bulguk-sa Temple" in 25d air, no rp, v/s Kang Kyungwha (THOMPSON CA), f/d cd "Tokto Island Seascape" in 26d air (THOMPSON CA), f/d cd "Rose of Sharon" in 41d air (THOMPSON CA), "Tokto Island Seascape" cd in 48d air for 1 IRC (WORREL ND), f/d cd of staff members in front of studio in 124d air, no rp (KUCERA AZ); 11860, f/d cd "11-headed Standing Buddha Image" + pennant in 88d air, 1 IRC (MOUGENOT FRANCE)
KUWAIT: R. Kuwait, 12085, f/d folder cd "Castle and logo" in 5 mo air, no rp (RADTKE CA), f/d folder cd w/info about R. Kuwait in 158d air, no rp (ANGELONI NY), same in 168d air for no rp (GARFIELD MA), same in 168d air for 1 IRC (MAYER CA)
MALAYSIA: R. Malaysia Sarawak, 4950, f/d color photo of RMS building in 22d air for 3 IRCs (KELLER CA)
MONGOLIA: R. Ulan Bator, 6383, f/d blue/gold logo cd in 130d air, no rp (NORCROSS HI)
PHILIPPINES: FBEC, 7225, f/d 30th Anniversary cd in 40d air, 3 IRCs (MILLER CA); 19430? (this fqy out of band! You sure about it?), same cd in 24d sfc, 1 IRC (COOK CA)
R. Veritas, 9590, date only staff photo cd in 20d air (MILLER CA), date only cd "Illocana a Nasudi" in 12d air (MILLER CA), f/d cd "The day we stop burning with love people will die of the cold" in 38d air (MILLER CA); 15165, same cd in 23d (MILLER CA), f/d cd "Lilies on Pond" in 26d air (MILLER CA), f/d "Sunrise" cd in 26d (MILLER CA)
SRI LANKA: SLBC, 15115, f/d cd of local girl in 45d air (NORCROSS HI); 15425, f/d cd w/picture of native woman w/jewelry in 25d air, 1 IRC (MAYER CA)
VOA Relay, 11935, f/d "Four Seasons" cd in 7d (VAN FLEET NY); 15185, same cd in 10d (KENNEDY FL)
TURKEY: V. of Turkey, 9665, f/d cd "Ideal Matbaasi--Ankara" in 18d air for 1 IRC (MOUGENOT FRANCE)
VIETNAM (Socialist Dem. Rep.): V. of Vietnam, 10040, f/d cd w/picture of Ho Chi Minh's Mausoleum in 207d sfc (BOURNE OKINAWA); 15012, f/d plain paper QSL w/seal in 121d sfc, 2 IRCs (FISHER MA), same cd in 110d air, no rp (NORCROSS HI), f/d cd w/Vietnamese Statue ("Gia Bi Ma La" Statue) in 126d sfc, FF rpt (MOUGENOT FRANCE)

.....Tact is changing the subject without changing your mind.....

Oceania

AUSTRALIA: ABC Perth, 9610, 15425. F/d western Australia map cd in 16-42d air for no rp or 1 IRC (COOK CA)(DENNIS IN) (HALL CA)(VAN FLEET NY)(WEBSTER ONT) R. Australia, 5995, 6005, 9540, 9570, 9580, 9770, 11705, 11725, 11908(??), 15160, 15240, 15320, 17725, 17795, 17840, 21570, 21680. F/d cds in 66-217d sfc for no rp, 13-123d air for 1 IRC, 16d air for 3 IRCs. "White flowering Mallee Gum" (YAJKO PA) (BRODSKY NY)(SMITH FL)(MILLER CA)(HRIVNAK) (STONE ONT), "Kangaroos" (THOMPSON NM) (SMITH FL)(MILLER CA), "Pink Rose Cone" (SMITH FL)(FRASER MA), "Lorikeets" (GEORGE TX)(BUHAGIAR ONT)(THOMPSON CA) (SMITH FL)(MILLER CA), "Sydney Opera House" (MILLER CA)(STICKLE NY)(BUHAGIAR ONT) (THOMPSON NM)(SMITH FL)(GEORGE TX), "Common Fringe Lily" (THOMPSON NM)(BUHAGIAR ONT) (WHEELER KS)(KUCERA AZ)(HUGGLEY IL)(MILLER), "Hobart, Tasmania" (MILLER CA)(SKORA ONT), "Swanston Street, Melbourne" (THOMPSON NM), "Paddle Steamer on Murry River" (THOMPSON), "Scarlet-crested Parakeet" (YAJKO PA), "Adelaide Festival Theatre" (MILLER CA)

COOK ISLANDS: R. Cook Islands, 5045, f/d conch shell horn cd in 80d air, 3 IRCs (NORCROSS HI)

GUAM: KTRW, 11850, 11900, 15115, 17855. F/d logo and Bible verse cd in 21d air for MS (WORREL ND), same in 28d, no rp (MAYER CA), in 34d (LENIZ PA), in 33d (DAUER OH), in 42 days (BOURNE OKINAWA)

NEW ZEALAND: R. New Zealand, 15130, 15380. Tribal statue cd in 34d (DENNIS IN), native village cd in 29d (DAUER OH), f/d mountain photo cd in 45d, 1 IRC (LEDLOW TX), f/d cd w/pastoral scene in 70d, 2 IRCs (HOLLENBECK CA), f/d cd of sulfur springs in 77d sfc, 1 IRC (COOK CA)

PAPUA NEW GUINEA: R. New Ireland, 2428, f/d map cd in 25d air for MS (HOWARD CA)

R. Gulf District, 3245, f/d map cd in 32d air for MS (HOWARD CA)

R. North Solomons, 3322, date/time ltr on NBC letterhead, 46d sfc, 1 IRC (FORSMAN CA)

R. East Sepik, 3335, f/d map cd in 34d air for MS (MCCURDY CA)

NBC Port Moresby, 4890, 9520, f/d map cd + pennant in 22d air for 1 IRC (HOLLENBECK CA), same in 31d, 1 IRC (ROPER AL), same in 21d, 3 IRCs (WHEELER KS), same, 109d sfc, no rp (JONES VA), same in 134d, no rp (HOWELL CA), same, 101d sfc, no rp (KAWCHUK SASK), same in 146d sfc, 1 IRC (BLAIZE LA)

SOLOMON ISLANDS: SIBC, 5020, f/d white cd w/SIBC emblem, 93d sfc, 3 IRCs (KELLER CA)

South America

BOLIVIA: R. Nueva America, 4797, no data ltr saying "Datos correctos" in 46d air for MS and SS rpt (TILBURY AK)

BRAZIL: R. Rural, 4765, fqy only pc of market in Santarem + veri statement in 118d sfc for 1 IRC, PP rpt (HOFFMAN PA)

R. Roraima, 4835, reg. form ltr, picture pc of Monumento ao Garimpeiro, Boa Vista in 5 mo for MS, PP rpt, v/s Francisco Galvão Soares, Gerente (TROCHIMCZYK W. GERMANY)

R. Nacional, 11780, f/d plain white cd in 48d air for 2 IRCs (THOMPSON NM), same cd in 54d sfc for 2 IRCs (KELLER CA), same cd in 70d air, no rp (MILLER CA)

R. Gaucha, 11915, f/d EE ltr w/stn info in 3 mo air, no rp (HOWARD CA)

R. Excelsior de São Paulo, 15265, fqy only logo cd in 300d air, 1 IRC, SS rpt (LEDLOW TX)

CHILE: LV de Chile, 15150, f/d cd "Sightseeing in Santiago" in 281d air, 1 IRC (MARTIN CA), same cd in 4½ yrs (BODELL OR), f/d cd w/Santiago scene in 4½ yrs (JOHNSON CA), f/d cd "Dawn at the central mountain" in 4 yrs (BLXBY CA), f/d cd "Vista de Santiago" in 1701d (LEISTNER CA) (Ed. note: these last four had been previously QSL'd--apparently cleaning out the files)

COLOMBIA: R. Sutatenza, 6075, f/d cd like a Christmas cd in 48d sfc, 1 IRC and SS rpt (SNYDER NY); no fqy, f/d cd in 5 wks for 1 IRC (CARTER LA)

R. Melodia, 6140, veri statement ltr in 24d air for MS, SS rpt (HOFFMAN PA), same in 3 mo for tape recording and MS (used) (LOBDELL MA), same in 120d for MS and SS rpt v/s Elvira Mejia de Paez, Gerente (KASPRZYK TX)

.....Cooperation is doing with a smile what you have to do anyway.....

**W.A. Short-wave services of
AUSTRALIAN BROADCASTING COMMISSION
Box D190 GPO Perth 6001**

6-0am Noon 6-0pm (Midnight)
VLW 8
VLW 15
Station strength

6-0am Noon 6-0pm (Midnight)
VLW 6
VLW 9
Station strength

6 9 15

STATION	FREQ	STATION NAME	POWER	TIME	TYPE	DAY
VLW 8	11.850 MHz	ABC	100 W	6.00 AM - 12.00 PM	Daytime	Monday
VLW 9	11.900 MHz	ABC	100 W	6.00 AM - 12.00 PM	Daytime	Monday
VLW 15	15.115 MHz	ABC	100 W	6.00 PM - 12.00 AM	Nighttime	Monday

ECUADOR: LV de Galapagos, 4810, date only cd w/fauna of the Galapagos in 29d air for 2 IRCs, SS rpt (DALUM IN), same in 110d air for MS, SS rpt (KASPRZYK TX)
HCJB, 6025, 9560, 11840, 11900, 11915, 15295. F/d cds in 28d for MS, 25-60d for no rp, 27-62d for 2 IRCs, 13d for 3 IRCs. "Power plant in Papallacta" (KUCERA AZ), "Hydro Reservoir at Papallacta" (WORREL ND), "Antenna Raising" (STICKLE NY), "English Staff at Christmas" (STICKLE NY), "Bread dough clown (ESQUIVEL CA), "Bread dough llama (ESQUIVEL), "Enchanting Ecuadorian Coast" (STONE ONT)(ESQUIVEL CA)(UYENO TX)(NO NAME ??), "Western Plains Coffee Harvest" (UYENO TX)(PEARSON OR)(MOUGENOT FRANCE)(SCHMUCKER NE)(WILLIE AZ) (ESQUIVEL CA)

PERU: R. Atlantida, 4790, no data ltr of confirmation in 77d air, + pennant, SS rpt and 1 IRC (HAGEN IL)

R. Chinchaycocha, 4860, no data ltr in 75d air for SS rpt and 2 IRCs (FORSMAN CA)
R. Victoria, 6020, date/time cd, no desc., in 7½ mo for MS, SS rpt (LAZARUS IA), f/d plain white cd in 42 months (NEUMANN IN)

VENEZUELA: LV de El Tigre, 3255, date only ltr + pennant in 3½ mo (NEUMANN IN), same in 30d for SS rpt and MS (TROCHIMCZYK W. GERMANY)

R. Lara, 4800, date/fqy network globe cd in 63d sfc for 1 IRC, tri-lingual rpt (HEATH KY)
YVTO (time and fqy), 6100, fqy only green/white logo cd in 45d air, 1 IRC, tri-lingual rpt form (HEATH KY)

R. Nacional, 15400, date/fqy cd "Retablo de Nuestra Senora de Coromoto" in 36d air (HOPKINS PA), f/d cd of Cathedral Altar in Caracas, 66d sfc, 2 IRCs (KENNEDY FL)

North America

ANTIGUA: BBC Relay, 11775, no data bridge cd in 26d (VAN FLEET NY)

BELIZE: R. Belize, 3285, date only map cd in 13d air, 1 IRC (HOWELL CA)

CANADA: CFRX Toronto, 6070, date/fqy CFRB marine mobile unit on L. Ontario in 15d (VAN FLEET NY), same in 16d (SNYDER NY)

CKZU Vancouver, 6160, date/fqy CBC Vancouver cd in 9d air for 15¢ Canadian (HALL CA)

CHU (time and fqy), 2335, fqy only Sir Sanford Fleming cd in 10d sfc (MILLER CA), same cd in 21d (WORREL ND); 14670, same cd in 20d air (HEATH KY)

RCI, 5960, 9535, do-it-yourself cd "Salute to International Broadcasters Year" in 14d (LOBDELL MA)(CHAN OR), 16d (HOLLENBECK CA), 17d (KUCERA AZ), 23d (SNYDER NY)

CUBA: R. Havana, 9685, f/d red/black checkerboard pattern cd in 67d sfc (SCHWARTZ PA), same in 136d air (GARFIELD MA); 99875 (?!#com*?--that's a pretty high fqy. bc) same cd in 107d air, 1 IRC (MALONE MA)

GRENADA: R. Grenada, 15105, f/d brown cd w/fqy sked on back in 132d sfc, 2 IRCs (BROWN MI)

GUATEMALA: R. Cultural, 3300, f/d cd, no desc., in 20d air, no rp, SS rpt (RUGGLEY IL)
R. Maya de Barillas, 3325, f/d cd of warrior (which doesn't show on XEROX copy) super-imposed by data, 24d air, MS (MCCURDY CA)

RADIO MAYA de Barillas TGBA

Barillas
Huehuetenango
Guatemala, C. A.

Frecuencias
2360 kc.
3325 kc.

Es grata confirmar su reporte del día 8 de mayo de 1978, a las 5:26-5:34 horas, en la frecuencia de 3325 kc. Tuvo el gusto de escuchar el Programa transmitido en lengua K'eq'chiel-Cap'ech'el La señal escuchada fue difundido por medio de un transmisor Dates BC-16 de 1000 vatios de potencia, utilizando una antena Dipolo.

Lozan W. Verth
Gerente

MEXICO: R. Universidad de Sonora, 6115, fqy only gray/white cd w/university seal in 11d air, 1 IRC, SS rpt (TACOMA CA), same in 21d, no rp (COOK CA), same in 54d air, no rp, SS rpt (ESQUIVEL CA)

NETHERLANDS ANTILLES: R. Nederland, 9775, f/d "Authentic Costumes" cd in 18d (THOMAS NC)
TWR, 11815, 11925, 15445, f/d cd of xmtr studios in 32d air, 3 IRCs (KUCERA AZ), same in 15d air, no rp (DAUER OH), same in 14d air for 2 IRCs (WHEELER KS), same in 37d air for 1 IRC (STICKLE NY)

UNITED STATES: and a whole slew of reports for AFRTS from (SCHMUCKER NE)(STICKLE NY) (JONES VA)(ANGELONI NY); KGEI from (KUCERA AZ)(STONE ONT); UN Radio from (STICKLE NY) (KUCERA AZ)(KENNEDY FL)(RUGGLEY IL); VOA from (KASPRZYK TX)(WORREL ND); WINB from (SULAK PA); WWVH from (WORREL ND)(STICKLE NY); WYFR from (KUCERA AZ)(VAN FLEET NY); and clandestine V. of the Voyager (HEATH KY)(FISHER MA)(PETTIT IA)

That's all folks! C U in 30. 73's, *B:11*

15 Aug 1978

Tips and Topics

The Feature Section of SPEEDX

EDITOR: ARTHUR S. GETZEL - 70-29 KISSENA BLVD - FLUSHING - NY 11367

Station Month

This month Tips and Topics will bring you another Station Month, full of articles about the many shortwave stations which fill the radio dial. Again, we will examine the history of many shortwave stations as well as the content and programming of many stations. In this issue, you will find an article about shortwave

music, an article about Trans World Radio, and an article about WYFR. In addition, we have information about the various magazines put out by several large international broadcasters. This is just the beginning, there is much, much more. . .

Spotlight On Shortwave Folk Music

By Mike Maghakian

For myself, the best part of shortwave listening is being able to listen to music from all around the world, music I might never be able to hear except with my trusty ICF-5900 (Note: I have found that library folk records never have music as good as that on the radio!). I easily put in around 15 hours per week listening to folk and some foreign pop (like French) music. Otherwise I listen to rock music or DX.

In this brief article I will try to point out what some of my favorites are, and hope you will also enjoy them. I will not put emphasis on times and frequencies as they do change, but will point out some of the current best spots.

My first selection will be Austria, the ORF. Austria usually comes in well only in the summer, so now is the time to listen. Austria concentrates on two types of music; classical (which I hate with a passion!), and folk type (which I love with a passion!). The music appears in two different ways. The way obvious to most is where it appears at the end of the program (about 23 minutes after the start of the program) as a buffer to the next language or sign-off. There is another way to hear much more folk, pop and other types of Austro-German music, that's their "music program" broadcasts. Although most of you probably passed over it, if you look on your Austrian schedule, you will see it at such times as 2300 on 9770 and 15270. As for the best times to hear this music, during the English program at 0130 on 9770, or at 0430 on 17840 when conditions are good, the last few minutes contain either folk or classical selections. Besides the 2300 on 9770 music broadcast (which contains some German talk) check your copy of the Austrian frequency/time schedule. Austrian music gets my highest recommendations.

Up until a few months ago when Radio Moscow decided to take over the 25 meter band, Radio Nacional of Brazil was a great source of Brazilian folk music (which is one of my favorites). They can still be heard daily on 11780 in the evenings. But interference is so strong it makes me feel like sending out letter bombs! Hopefully some one will change a frequency and RNB will again please their foreign listeners. Some of you might suggest listening to some of the other domestics from Brazil, but I find them not as good when it comes to reception quality and variety of music.

Although I am not a regular listener, I occasionally do receive and listen to the Voice of Chile. They like to feature Chilean music in addition to their outright propaganda. They are usually heard best in the evening from around 2300 to 0300 (variable). It is hard to suggest frequencies

as they change them faster than anyone else. You can get around the propaganda by listening to the French or Spanish broadcasts which alternate with English on the same frequencies which seem to concentrate in the 19 meter band.

One of the all time greats for folk music is the Voice of Greece. Between 0030 and 0350 there is about two and a half hours of music! The times to hear the music are 0030-0150 and 0230-0350 on either 9760 or 11730. Check to see which is best for you. There is little talk in Greek to disturb you and the music just never seems to stop. If you can get a current copy of the VOG, check for other possible broadcasts you can receive, wait about 15-20 minutes after sign-on and start listening to the music! 9760 seems to be a favorite for the VOG so monitor that one around 2200 to 0000 for good music.

As mysterious as the music is the station with the name "AIR". If you have never heard the music of All India Radio, then you don't know what you're missing. The sitar music is mystical to those not used to it and enjoyable to those who take to it. Fortunately, AIR seems to have nothing but programs on Indian music (at least that is all I hear.) They can be heard around 2200 (plus or minus a few hours) on 9912 and better (sometimes) 11620. One thing I wish someone would explain to me is how can two stations in a space of 100 or so kilohertz pick two frequencies only 3 kHz apart!!! Yet the BBC on 9915 and AIR on 9912 have done it. You would think one would move about 5-10 kHz

Almost as mystic but more hypnotic is the music of Iran. The variety of the music is amazing, hypnotic chants, lively dance type music, wild songs and more. Almost 24 hours a day they broadcast mostly music on the out of band excellent choice of 15084. Reception is almost always good to excellent and easy to find even for the cheapest radios.

Along the same lines of India and Iran we come to Pakistan. The Urdu service (and world service) last for hours at a clip and contain mostly Pakistani and film music. Close to that of India's, the music is far out and worth listening to. As for the when, do not rely too much on the printed schedules as I have found them to be wrong too many times. Do not listen too much to the short specialized services like the broadcast to Indonesia but concentrate on the world and Far/Mid Eastern services as these have most of the music. The trend for them seems to be around 9460(5) and 11680 (11640) around 2030 to 2145 (approx.). And in the 1430-1500 area around 15520 with ute QRM. But check the log section of your favorite DX club bulletin for more current info.

Although lacking in quantity (on SBC), Swiss folk music is a real soother. Those yodels and other goodies are as good a music as you will find anywhere. Unfortunately the SBC has found it in their great wisdom to share their commentary and endless news of Europe over the three minutes of folk music they do give us at the end of each program. Maybe someday they will see the error in their ways and start the right type of program instead of the one crummy "Pop" music program I once heard. The best time to get the music is at 0210 on 15305 and 0455 on 9725. Why not write to them and complain!

For the soothing old island touch look to Tahiti. Those Polynesian tunes can almost put you to sleep, but will at least make you feel better. Look for Tahiti nightly from about 0200 to past 0530 on 15170 with some talk and lots of music. The programming is both in French and Tahitian, but the music is still great.

For a variety of music as large as the country itself look to the Mayak (or Majak if you prefer) Service of the USSR broadcasting system. Although both Rodina and Atlantika have music they also have much more talking than Mayak. Except for about 5 to 10 minutes of news and talk on the hour, the programming is an assortment of classical and folk and pop along with whatever else they can get their hands on! Through months of monitoring I have found the current best time to be 2300 to 0300 except for Kiev at 0030-0100 on the excellent frequency of 9800. This frequency is interference free and very strong. For those of you who don't know what Mayak means, it translates to "lighthouse."

Coming closer to home, we must not forget Cuba. Radio Habana is very high on not only Cuban music but also Latin American tunes. They seem to have as much music (or even more) as propaganda. They have programs devoted to their music and programs devoted to just LA pieces. The selections are usually excellent and the talk is kept to a minimum. One of the best frequencies for RHC is 11760 almost 24 hours a day. And except for occasional transmitter forthcoming (like hums etc.) reception should be good on even the cheapest portables.

Although not folk music per-se, I would like to close this article with a station whose pop music is among the tops in the world. I am referring to Radio France International. Their French pop music is light yet lively, but always enjoyable. Most of you will probably say that you know the where of getting them, but you'll see. When do I listen to them? Not in the afternoon!!! I listen to them in the middle of the night when it is just morning in France. They sign on with two good frequencies at 0400 when interference in North America is low on the high bands. The frequencies are 15135 and 15310. Both strong and have a minimum of interference! Although the programming is about 80 percent pop music, they seem to take phone calls from listeners! The program goes on for hours and only the time of night can stop you. So for those of you used to listening in the afternoon, try a change and go night!

That brings me to the end of this article on the one thing most people do not take advantage of in this hobby. By writing this article I hope I have made more of you aware of the wide variety of music available over the shortwave bands today. I am sure that you will not like everything I do, but if you took the time to listen a little more closely, you might be surprised at what you hear and after a little thought you might realize QSL hunting is not the only thing to the hobby. I would like to close with this thought - the hobby is what you make it, not what your peers make of your QSL collection - moral - enjoy the programming, not the QSL. I thank you for your time.

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TWR Transmitters

by Mark Zavatsky

Trans World Radio has 6 different transmitter locations throughout the world. TWR staffs more than 400 people throughout the world. TWR broadcasts in 73 different languages and carries programs of a missionary nature. Its transmitters are located in Cyprus, Bonaire, Monte Carlo, Sri Lanka, Guam and Swaziland. TWR literally covers 80% of the world's population. They even have a 2000 kw longwave transmitter in Monte Carlo. In Bonaire, Netherlands Antilles, TWR has a powerful AM transmitter. Its power is 500 kw on 800 kHz AM. Here is a listing of TWR's various transmitters and addresses.

MONTE CARLO: 1200 kw.....Mediumwave
100 kw.....Shortwave
2000 kw.....Longwave

Target Areas: Eastern Europe, Middle East, North Africa.
Address: TWR, P.O. Box 141, Monte Carlo, Monaco.

SWAZILAND: 30 kw.....Shortwave
Target Areas: Africa, Northeast Africa, South of the Equator.
Address: TWR, P.O. Box 64, Manzini, Swaziland.

CYPRUS: 600 kw.....Mediumwave
Target Area: Middle East.
Address: TWR, P.O. Box 141, Monte Carlo, Monaco.

SRI LANKA: 400 kw.....Mediumwave
Target Areas: India, Bangladesh, Pakistan, Burma, Tibet, Afghanistan, Nepal.
Address: TWR, 14 Claessen Place, Colombo 5, Sri Lanka.

total transmitting facility will then be comprised of four 100 kw and two 50 kw transmitters.

At the time of this writing, April, 1978, the antenna farm surrounding the transmitter building is comprised of two modified Laporte Rhomboid antennas (one beamed 44 degrees to cover the Central European countries while the other antenna is beamed 160 degrees to serve South America). These antennas are actually two Rhombics stacked one on top of the other with only enough spacing to prevent arcing between the two of them, and they are fed in parallel. The elements are arranged to form two parallelograms fed at one corner which is common to both. The opposite corner of each parallelogram is the terminal end. These corners are offset from each other in a way that will cause suppression of sidelobe radiation from the antenna. A third antenna, a Log Periodic, is being assembled and will be used to beam programs to Central America and Southern Mexico. There are more antennas on order to permit multi-frequency simultaneous transmissions to the target areas.

Dan Elyea, the Chief of Operations at the Okeechobee site spent about an hour of his valuable time showing me around and explaining the operation of the station and answering my many questions. Wes Backer is the Technical Director of Family Stations, Inc. and he graciously consented to assist me in reviewing this report for technical accuracy. To both of these people I am very grateful for their time, trouble and invaluable assistance.

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Mail From The World

by Scott Snyder

The other day I was looking through some magazines which I had recently received in the mail from a few shortwave stations. I had never really paid much attention to them before, but as I was looking through, I found them very interesting and informative. I would like to open up a few eyes to how interesting they are. So here are a few reviews to what I believe are some of the better magazines obtainable for free from a few shortwave stations.

Budapest International - from Radio Budapest (Brody Sandor 5-7, Budapest, Hungary). This is an interesting and useful monthly magazine published by Radio Budapest. Budapest International usually contains a short story of an interesting event going on in Hungary, also it contains the latest Radio Budapest program and transmission schedules. To obtain this magazine just write Radio Budapest and ask to be put on their mailing list to receive Budapest International. This publication is sent Air Mail.

Hallo Friends - from Radio Deutsche Welle (P.O.B. 344, 5 Cologne, Federal Republic of Germany). This is probably the best known magazine from any shortwave station in the world. Hallo Friends covers West Germany from A to Z, from West German political views to West German humor, from West German tourism to West German chimney-sweeps. That's not all, Hallo Friends also contains the latest schedule and information about Radio Deutsche Welle. This magazine can be obtained simply for the asking.

Czechoslovak Life - from Radio Prague (English Broadcasts, Prague, Czechoslovakia 12099). This monthly magazine is not published by Radio Prague but is a very informative magazine. Czechoslovak Life contains all the latest events going on in Czechoslovakia, including political views, social events, history, stamps, fashion, facts, figures, and much much more. To obtain this magazine write to Radio Prague and tell of your interest in Czechoslovakia and request this magazine.

Radio Japan News - from Radio Japan (NHK, Uchisaiwai-cho, Chiyoda-ku, Tokyo, Japan). This monthly magazine contains the news and views of Japan and Radio Japan. Radio Japan News contains 3 languages - English, French, and German, it consists of mainly English. Radio Japan News also contains the latest Radio Japan schedule. It can be obtained by writing to Radio Japan and simply asking for it.

A REBUTTAL

BY STEVE GELFAND

In the July SPEEDX, John Wagner offered a rather naive view of the shortwave scene. The main error in "A Short Wave Listener Speaks Out" was in assuming that shortwave stations exist to serve the hobbyist and/or QSL hunter. Don't get me wrong, I like QSL cards as much as anybody. They're fun to collect and display and of course they do offer proof of reception. But while the shortwave broadcasters tolerate the "DXers" their reason for existing lies elsewhere.

International broadcasting stations, for the most part, serve one of two purposes propaganda or counter-propaganda. (I am using the word "propaganda" to denote broadcasts that present a point of view or way of life of the transmitting nation - no negative connotation should be automatically inferred.) We all know what propaganda is and I'm sure we have all listened to blatant examples of deliberate omission and distortion. Counter-propaganda is a bit more complicated. It is not merely the broadcasting of "the truth," it involves types of programs, both news and other entertainment, designed to present to the listener an impression of the broadcasting nation. The impression may be slanted deliberately or otherwise, but the existence of this type of "image" broadcast is directly linked to the outright propaganda stations. The Voice Of America, for example, was created for just this type of counter-propaganda purpose. "Seventy-nine days after the attack of Pearl Harbor, the Voice Of America, USIA's radio service, first went on the air. Its mission was to explain to the world why America was in the war, for what we were fighting and to combat enemy propaganda. Before World War II the United States was far behind the other major powers in the field of international broadcasting. By early 1942 the Axis was broadcasting to the world over a large network of high power transmitters." (VOA pamphlet "The Radio Broadcasting System of the U.S. Information Agency, June 1971).

International radio is much like the arms race with it's escalating transmitter powers and competition for frequency allocation. Do you really think that all these governments would spend millions of dollars each year only to keep hobbyists happy? The "DXers" are provided with DX programs to get them to listen to other offerings as well and because they are part of the overall audience - but not the most important part. The "real" audience does not generally write for QSLs or hunt for rare stations. These people listen for the news and entertainment they can't find domestically. Naturally many do send reception reports, comments and suggestions and may even receive QSL cards but they do not live and die on the receipt of a rare card or station.

International radio exists to broadcast to the largest number of people and to convey a certain impression of the host country (or religion). I think that the "hobby" will be better off as soon as DXers realize that the stations are not broadcasting only for the hobbyist. Although John Wagner's view of the shortwave world with it's "feedback loops" and "sub-systems" hinging on the hobbyist is misinformed, I do agree with his plea for hobbyists not to abuse the activity of QSL card hunting. It is important to realize the economics and politics of the shortwave world past, present and future and neither take it for granted nor unnecessarily burden and abuse it. It's fragile existence depends on everyone's cooperation.

A PROPOSED SHORTWAVE LOGGING REPORT SYSTEM

By John Wagner

As the author of the article entitled, A Short Wave Listener Speaks Out in the July 1978 issue of SPEEDX's monthly magazine, I feel a definite responsibility to go further in my shared responsibility concept as it relates to shortwave broadcaster and listener, so as not to convey the image of an expert in problem definition, but amateur or light-weight in problem solution. Heaven forbid, that a member of SPEEDX would be indicted successfully on such charges with no defensible position or plan in mind for the implementation of changes to the existing system which are considered to be rational and positive. Hopefully, my current article deals with a workable approach or solution in order to refute any such accusation.

My business background, blame it if you see fit, has taught me to study problems using a systematic, non-complex (to the degree possible) approach

employing the tools of fact finding, analysis, recommendation and decision making in that sequence. As the saying goes, don't confuse the issue at hand. It is within the context of this framework that my solution to the listener reception report problem is provided for future consideration and discussion standing on it's own merits and not as compared to the manner in which things are now done, if that posture rules out possible change. I don't believe the solution to be naive or unrealistic, but again, perhaps the problem has been over-simplified and, if that be the case, think about it none-the-less, since the complexity of a problem is often a function of the failure, due to time pressures, to step back and take a fresh look at what appears to be an insolvable problem.

My business like solution to the short wave listener reception report problem and its existing and potential uses limits itself to the information requirements of two (2) functions of a shortwave broadcasting organization Marketing (my term) or Programming and Technical Product Distribution (my term) or Engineering. The restricted emphasis to these functions assumes that shortwave listener reception reports serve principally as input documents to these two (2) organizations for station or program monitoring, modification, re-planning, etc. as this information affects a station's future decisions and actions. The assumption is also made that, like in a business organization, the programming function, like marketing, makes all decisions and that the role of Engineering is to provide technical support to Programming in carrying out the mission of the broadcaster as defined by policy makers and as executed by Programming. In no way is the omission of the important roles played by other shortwave broadcasting personnel such as Purchasing, Accounting, Public Information Services and other support staff intentional. The impact of the solution on them is not germane, but the solution doesn't imply at all that those organization entities would not be impacted or involved if the recommended solution is considered for adoption.

My recommendation for a meaningful shortwave logging report assumes that the broadcaster is primarily seeking information in three (3) broad categories of concern. These are:

1. Who are the listeners (consumer research) in terms of profile;
2. How do the listeners enjoy the programming (product research) and;
3. Are the transmissions from a reception standpoint adequate (Engineering)

My recommended logging system is constructed around ample, meaningful responses to the three (3) categories of information outlined above.

EXISTING SYSTEM

The fact finding section of Figure 1 depicts what are, in my opinion, the information needs of the shortwave broadcaster in the three (3) categories previously mentioned, and specifically, its Engineering and Programming functions. In my opinion, existing shortwave station supplied or listener generated logging reports, as they pertain to listener and programs, fall well short of these information needs in terms of either the complete omission of certain of these information requirements or in their failure to permit the shortwave broadcaster to tabulate the information in a routine, quantifiable fashion in order to accomplish a satisfactory job analysis in order to propose and evaluate recommendations from which future decisions would emanate.

The SINPO code, from the Engineering or technical point of view, has accomplished quantification to the degree which, in my opinion, is necessary. On the other hand, certain information requirements related to the listener or consumer and all information requirements related to the broadcaster's product or programming is subjective in nature, not easily quantified and does not lend itself to macro, let alone micro analysis of listener acceptance or rejection of a broadcaster's programming schedule. In fact, I can envision an existing logging report awkwardly circulated around the broadcaster's organization for analysis in a much too de-centralized or inefficient manner to be really effective from a conceptual or overall policy making perspective. The good, fair, poor columns of the analysis of Figure 1 are intended only to indicate the potential for quantification or objective analysis rather than a specific recommendation for those rating per se.

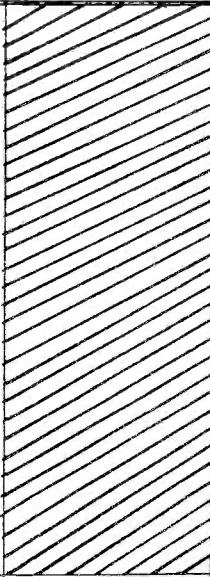
SHORTWAVE BROADCASTERS USE OF LISTENER RECEPTION REPORTS				
MARKETING-PROGRAMMING				
CONSUMER RESEARCH		PRODUCT RESEARCH		
FACT FINDING	TECHNICAL PRODUCT DISTRIBUTION-ENGINEERING	CONSUMER RESEARCH	PRODUCT RESEARCH	
	<ul style="list-style-type: none"> Frequency Time of Reception Date and Model of Receiver Type of Antenna SINPO Reporting Code Jamming Geographic Location of Listener - Target Audience Number of Listener Reports Other 	<ul style="list-style-type: none"> Listener's Name Listener's Address Time of Reception Date and Day of Reception Geographic Location of Listener Listener's Socio, Economic and Demographic Characteristics Number of Listener Reports - Target Audience Other 	<ul style="list-style-type: none"> Program and Feature Comments Listener Reaction - Favorable & Unfavorable Listener Request for Program Changes Listener Requests for Additional Features Other 	
ANALYSIS	DATA	GOOD	FAIR	POOR
	<ul style="list-style-type: none"> Frequency Time SINPO Reporting Code Jamming Number of Listener Reports Other 	<ul style="list-style-type: none"> Time Day Target Audience Program Comments Listener Reaction Other 		
RECOMMENDATIONS	TECHNICAL	CONSUMER/PRODUCT		
	<ul style="list-style-type: none"> Change Frequency of Broadcast Change Time of Broadcast Increase Power of Transmitter Increase of Relays Other 	<ul style="list-style-type: none"> Evaluate Recommendations of Technical Product Distribution-Engineering 	<ul style="list-style-type: none"> Too much Music Not enough DX More News More Current Events More History Other 	
DECISION MAKING	TECHNICAL	CONSUMER/PRODUCT		
		<ul style="list-style-type: none"> Change Frequency of Broadcast Change Time of Broadcast Change Day of Broadcast Increase Power of Transmitter Increase Use of Relays Other 	<ul style="list-style-type: none"> Discontinue Existing Features Modify Existing Features Add New Features Modify Program Schedule and other Publications Sponsor Contest Change QSL Policy Other 	

FIGURE I

It is also quite obvious that, to some degree, the information needs of Engineering and Programming overlap in content, but again, in my opinion, not to the same level or degree. Engineering would, for example, be more concerned with macro information on geographic location of listeners, while Programming would be concerned with micro type information concerning listeners within a specific geographic area:

PROPOSED SYSTEM

The proposed shortwave logging system calls for a sectionalized, easily distributable reception report built around three (3) information files.

1. Technical File 2. Listener File 3. Program File

The proposed system would have as its intent to improve the quality of decision making made by the shortwave broadcaster. The decision making section of Figure 1 is I think, explicit in the payoff of the proposed logging report, namely:

1. Each of the recommended files could be interfaced or related depending on the type and purpose of analysis to be conducted.
2. Each data element collected would be structured in such a way so as to provide routine quantification where possible.
3. Although not mentioned as yet, the proposed system lends itself to computerization as a potential solution to the problem of manually processing huge volumes of shortwave logging reports. However, computerization is not a requirement.
4. Broadcaster mailings, including QSL's could be computer generated to minimize increasing manual or clerical efforts. Duplicate QSL's or mailings could be eliminated using information retained in the somewhat permanent listener information file.
5. Broadcaster decision making tools would be improved dramatically in terms of quality and reaction time as well as being based on readily accessible information.

CONCLUSION

To offset any additional costs required to support the proposed system, perhaps the time is appropriate to reassess the existing QSL policies of broadcasters. New criteria, parameters or other pre-defined rules could be established that would require a listener to complete a station supplied logging report for a given number of days within a month in order to qualify for a QSL thus eliminating the one time logging report as being eligible for station verification. The quantification of programming information should encourage, if not eliminate, dial flipping and ensure the broadcaster of improved program comments. Based on extended required listening for reporting purposes. The thrust of the proposed logging system is broadcaster listener cooperation which I think recognizes the concerns of each and addresses itself to the doctrine of "shared responsibility."



AM - FM - TV BOOK AVAILABLE

Broadcasting Publications Inc., 1735 DeSales Street N.W., Washington DC 20036, offers a great book for folks who move about the country and want to know which stations are in the area and the type of programming they offer. Title is: ACROSS THE DIAL '78. Price of \$3.00 includes shipping. About 140 pages, 4" x 8 3/4" in size, this book covers AM/FM/TV stations in the USA & Canada with an easy to use format. Listed by state and city, it gives one the station call, frequency and type of programming. For example: under Indiana we may want info about stations in La Porte. The listing reads WCOE(FM) 96.7 C&W/WLOI(AM) 1540 MOR. So we see a FM station with Country & Western format and an AM station w/Middle Of the Road. A handy book even if you don't travel. The price is right too. While SPEEDX is not into AM/FM/TV coverage, we know many of our members are interested so, we recommend this book. Mention SPEEDX when you write.

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