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NORTH AMERICAN SHORTWAVE ASSOCIATION

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JUNE 1968 ----- VOL. 7 NO. 6
NASWA HEADQUARTERS ----- POST OFFICE BOX 989 ----- ALTOONA, PA. 16603 USA
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PLAGUING PROBLEMS

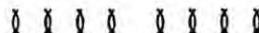
Not everything keeps coming up roses at Hdqs, hub of most club operations. It seems there is seldom a day goes by that some bug, one way or another, can be kept from entering in. One buzzing after another presents itself to annoy or interfere. Preventatives are hard to come by; Remedies are scarce, cannot always be found.

We of NASWA are joined together in a mutual interest, a common hobby. The activities we partake of, the support we give, the work we do in connection with the club, are for the benefit, not of one individual, but for every member. It is the duty of each member to support the club by reporting to those columns/sections of the bulletins he prefers to follow. It is the job of the editors to make their sections as worthy and interesting as possible. It is the task of the Board of Directors to seek improvements in/for the club and bulletins. It is the responsibility of the Executive Editor to hold all members and officials together unitedly and to effort in all possible ways, the keeping by all, the motto of the organization. No one member, no one officer can succeed alone. Without sincere cooperation, understanding and good fellowship, there is no club; There is nothing but a group of individuals.

We need all keep in mind that the key to listening is selectivity. You stand guard at the ear gateway to your mind, heart and spirit. You decide what you will accept.

Listen to the good. Tune your ears to love, hope and courage. Tune out hate, gossip and resentment. Listen to the beautiful. Relax to the music of the masters; Harken to the symphony of nature. Listen with your eyes. Let your imagination make real, the sounds expressed in a poem or a picture, painting. Listen with patience; Do not hurry the other person. Show him the courtesy of listening to what he has to say no matter how much you may disagree. You may learn something. Listen critically. Mentally challenge assertions, ideas, philosophies. Seek the truth with an open mind. Listen with your heart and practice empathy as you do. Put yourself in the other persons place and try to hear his views understandingly. Listen for growth; Be inquisitive and ask questions. Everyone has something to say that will/can, in ways, help you to grow. Listen to yourself; To your highest aspirations, your noblest impulses, deepest yearnings. And listen too, with the ear of intuition for the inspiration of the Infinite.

If we all could learn to listen thusly, together, the plague of problems could soon be done away with and the listening we do in connection with our hobby would become even more rewarding. Help NASWA by really listening!Bill Eddings



LATE NOTE: Word has just been received that our award certificates are now ready; We will release new Awards Program, distribute with next months bulletin. Watch for it!

Friendx is the official publication of the North American SW Assn. and is expressly for the SWL/DXer interested in International Shortwave Broadcasting. There are no subscriptions; Only active and in good standing members are entitled copies other than samples or exchanges. Membership in NASWA is \$5.00 per year, 12 editions of Friendx via third class mail NA, or via surface/seamail abroad. For those desiring more expedient service, via first class mail NA, an additional \$2.00 fee is required. Airmail rates available. This and all editions of Friendx are made possible through the combined efforts/interests of the bulletin staff, club officers and supporting members.

Executive Editor/Hdqs William Eddings Shortwave Center Editor Donald Jensen
Log Report Editor Del Hirst QSL Report Editor Gregg Calkin
NewsRoom Editor Dan Henderson FlashSheet Editor Al Niblack
Awards Chairman Warren Nordgren Contest Editor George Schnabel
Special contributors (this month) Stan Mayo, H.L.Chadbourne, Bruce Goldman, Richard E. Wood, Doug Benson, Gerry L. Dexter, Michael Silverstein.

* * * * *

NEXT MONTH: Winners of Spring Competition will be announced; Feature articles will include "Marconi, A phony?" "Narodno Trudovi Soyuz" "Pioneers, W9XA and W9XAA" and "VLI, Sidney Australia. Book Review will cover "The Fun of SW Radio Listening" Also, in addition to regular columns, there will some important announcements from Hdqs.

BYE BYE BIRTHDAYS! Acting on fact that few members are interested in birthdates of other members, the NASWA BOD proposes such data be omitted from bulletins henceforth, allowing space for more pertinent info regarding club/hobby.

BILL GRAHAM MEMORIAL FUND. Any/all members interested in contributing, in check, money-order, cash, mint stamps, IRC's should mail to club Hdqs. All such contributions will be used towards purchasing new mimeo and an addressing machine. We solicit your help. Latest contributors are Joseph Ray and Chris Stark. Many thanks gents! Every bit helps!

RTVE ARTICLES BY NASWAers. The June/July edition of Radio-TV Experimenter magazine had two interesting feature articles written by members Don Jensen "Seven Shortwave Hoaxes and how they Grew" and C.M.Stanbury II "BBC's Hidden Outposts". Both articles should be found informative and appealing to young and old SWL/DXers alike.

OMAHA BOUND??? Those members planning to attend the 1968 ANARC Convention to be held in Omaha, Nebraska, August 16-18, are requested to inform club Hdqs. Please advise as to what mode of transportation you will be using.

THIS 'N THAT. Now that he has recovered from almost fatal injuries resulting from an auto accident, Alan T. Farmer, Editor of "DX Diary" Trans-National DX League, Edinburgh, Scotland, informs he is efforting to get the club back into operation. No refunds will be given for nonreceived bulletins of past; Instead, club will begin afresh with new editors, staff and members.....Alan H. Roth, 1115 Lindley St., Bridgeport, Conn.06606 has been appointed the U.S. Rep for the Danish Shortwave Club International(DSWCI).For membership requirements, etc., interested SWLs/DXers should contact him.....NASWA member C.M.Stanbury II, former SWR Editor-ASWLC, now puts out a monthly SW NewsLetter. Complete info hereto can be had by writting him at; Box 218, Crystal Beach,Ont.,Canada.

* * * * *

RENEWALS: Very pleased we are to welcome back, for another year, the following members; Les Marcus, Don Anthony, Otto Schilling, Bob Getman and Joo Gray III for their second year; Leo Poirier, Edward Pyatt their third year; Jim Gallucci his fourth year.

WANT MORE MEMBERS FRIENDLY FOR SOME IMPORTANT/SPECIAL ANNOUNCEMENTS CONCERNING FRIENDX

ATTENTION!!

It is quite obvious that there are those who take up the DXing hobby, join clubs and before long loose interest for one or assorted reasons. This being so, and due fact we are ever efforting to reduce the Hdqs workload, in order to better serve our more sincere members and strengthen the club overall, a questionnaire has been sent to more than 150 individuals that have never reported to any sections of our bulletins since joining six or more month ago. Purpose of questionnaire is to find out if these individuals are still active in the hobby, if they are still interested in NASWA, if they find Frenex of use. They are informed that any "no" answers they give, will result in thior being sent a refund for balance of membership due. This may appear to be harsh action, but even so, we think it justified. There is no reason why a member cannot report to one or some bulletin section (even if it be only the QSL ScoreBoard) after six or more months in the club. We have stressed time and again, that we do not accept any subscriptions to Frenex...that we only accept memberships in NASWA. It is unfair to our sincere/active members to have the nonsincere/disinterested ones receive the same benefits. It is unfair to club Hdqs and bulletin staff to burden themselves with extra work that is not appreciated. We have long felt that it be not the size of a club, but the heart and support it is given by its members that count. The 150 or more in point, pay for bulletins they receive, true, but they do not pay for the extra work, the time nor tasks they cause Hdqs and Frenex staff.

And so, if you be one of those receiving the aforementioned questionnaire, please be so good as to complete and return it. Your integrity will be respected. Help us to better serve those members who are sincere and who truly are interested in making NASWA more secure, more worthy.

Finally, be assured we realize there are members who do not/cannot report every month...this we understand fully; Matter of fact we couldnot use reports from all members every month...we have not the space noe the finances. Still and all, we do expect members to report often...and surely at least once within six months.

MAIL RE EDITORIAL

According to a few letters received this past month, certain members do not think our recent editorials (frontal page) are of interest/value, but are waste of space. This can be understood, from pure DX angle, but not from the club angle. NASWA is a DX club; Frenex is a club publication! It is to be used to promote the hobby, to serve its' members, and to utilize any/all what-ever idioms pretaining to our club motto, "Unity and Friendship". It is regretful that a few members cannot understand, do not appreciate our efforts hereto via editorials. They would seem to prefer us pounding out words on controversial matters instead. They do not know that it has long been the NASWA policy to steer clear of such unless absolutely beneficial. It is our desire to instill a more amiable atmosphere in our ranks rather than plant seeds of hate, frictions, etc. Alas, and altho we cannot please the every of our members, we will continue in our efforts to please those with heart; Those to which we have plodged our friendship; Those who appreciate and understand. B.E.

REPEATED NOTE

Again it is asked that those members who report to Logging section (Del Hirst-Editor) send only ten best catches of the month instead of total list of all...and that they be those logged/heard within past 30 days. Also, when reporting to QSL section (Gregg Calkin-Editor) send data re QSLs received during past 30 days only. Too, re ScoreBoard, be sure to give totals for the QSLs received from SWBC stations only. Do not include BCB, UTE or others. Also, do not send outdated skeds to NewsRoom (Dan Henderson-Editor), even though received direct from station.

All in all, in order reports, data, skeds be of help/value, make sure they are current, otherwise they are of no use...will not be contained in bulletins.

THANKS!

To those members who responded to our request re returning unneeded copies of Frenex, we extend thanks for cooperation. These bulletins will then be resent to prospective members requesting sample copies.

NEW MEMBERS



NEW MEMBERS

- * * * * *
- Robert L. Wilkner, 2509 N.W. 9th Ave. (A7), Fort Lauderdale, Fla. 33311. 25, married, High School teacher. Drake SW4A, 75' longwire. Interested in contests and awards, also QSLs. Member of NNRC. Read of NASWA in WRTH.
- Alvin V. Sizer, 22 Country Way, North Haven, Conn. 06473. 50, married, News Editor (for New Haven Register). Realistic DX150, 90' longwire. Interested in QSLs, reading, classical music, writing. NASWA first club; Read of it in PE Comm. Hndbk.
- Brent Wolfson, 1591 Alexis Place, Beverly Hills, Calif. 90210. 13, Jr. High school. Drake SW4A, Gonset GR212, Mosley SWL7, 65' longwire. Tape recorder. Interested in QSLs, awards, contests, electronics. Read of NASWA in PE.
- Robert E. Morrow, Box 181 HQ.AFNORTH, APO New York 09085. 26, married, Radioman USN. Tandberg H8, Nordmende "Transita"; Whip 8' and longwire. Tape recorder. Interested in contests, awards, QSLs, electronics, bowling, reading. NASWA first club. Learned of it via PE. "Anyone wanting info re Norway/Scandinavia, I will try to supply it." (Please be sure to enclose return postage with requests!)
- Glen Goodwin, 446 32nd Ave., N.W., Calgary, Alberta, Canada. 17, High School student. Phillips BX565A, Knight 2671; Dipole, vertical. Interested in QSLs, contests, awards, fossil collecting, fishing. "NASWA is first club; Heard of it via friend/member John Semence who attends same school with me."
- Al Reynolds, P.O. Box 477, Sanford, North Carolina 27330. 31, single, Director of Education, First Presbyterian Church. Drake SW4A, Yashica YT300. 60' longwire. Interested in QSLs, awards, amateur astronomy, foreign coins. Member of ASWLC. Read of NASWA in current PE Communications Handbook.
- Barry Glassberg, 2306 Ocean Ave., Brooklyn, New York 11229. 17, High school student. Lafayette HA230; 45' dipole. RK-137 tape recorder. Interested in awards, contests, golf, philately, QSLs, tapesponding. Joins NASWA on recommendation of friend/member Michael Silverstein who also resides in Brooklyn.
- Sara K. Stillman, 1394 Third Ave., New York, New York 10021. 47, Businesswoman/owner T&T Service. Drake SW4; Joystick and Joymatch. Norelco tape recorder. Interested in SWLing, theatre. New to hobby. Member of ASWLC. Read of NASWA in WRTH.
- Paul Moore, 4824 Hartley Drive, Lyndhurst, Ohio 44124. 14, High school student. Knight "StarRoamer"; 50' inverted L. GE tape recorder. Interested in awards, contests, QSLs, languages, graphology, pop and foreign music. Learned of NASWA via R. Nederland and PE.
- H. Price Kagey, 6922 N. Broad St., Apt. I-1, Philadelphia, Penna. 19126. 27, married, University fellow now working on Ph.D. in Physics. Hammarlund HQ140X; 40' longwire. F.E.T. preselector. Interested in awards, contests, QSLs and realistic theories at gravity. Read about NASWA in PE magazine.
- Dave H. Ahrendts, 2120 9th Ave., Kearney, Nebraska 68847. 15, High school student. Heath GR64; Mosley SWL7, 125' longwire, 125' inverted V. Heath Q Multiplier, Ameco PCL-P., VM735 tape recorder. Interested in awards, QSLs, contests, cardswaps, tapesponding, electronics, UFO's and music. Read of NASWA in PE.
- Dwight Breeden, 101 Main Road, Maryville, Tenn. 37801. 20, single, electronics student. Former Sr. Radio Tech in TNG. Hallicrafters SL20; Mosley SWL7. Interested in contests, awards, QSLs, cardswaps, sports, traveling. NASWA is first club. Read of in PE and EI.
- Michael G. Ryan, 14444 Skyline Blvd., Redwood City, Calif. 94062. 37, single, airline mechanic. Hammarlund HQ180; 150' longwire. Returning to hobby after 4½ years. Member of ASWLC, wherefrom read of NASWA in "SWL". Interested in awards, QSLs, photography and Flamenco guitar. Prized QSL to date is from UNTRA, West Irian, (1963)
- J. LeRoy Steele, 3-H Hamilton Court, 7 Hamilton Rd., Morristown, N.J. 07960. 68, married, retired accountant. Grundig 5000; 30' longwire. Interested in SWLing and stereophonics. NASWA first club. Read of in Radio-TV Experimenter magazine.

The ANARC Report

The Association of North American Radio Clubs, a non-profit parliamentary body of representatives composed of the major radio clubs represents you, the dx enthusiast. NASWA is entitled to three reps, the maximum number, and this Report is written by your representatives. This Report is NOT written by any club official, not edited by any club official; It is a report to the members, from your duly appointed representatives, on the happenings within the ANARC and all comments pertaining to it, remarks or criticisms should be aimed at the representative (s) responsible for its content, Doug Benson. This Report is included within the club bulletin by the grace and hobby interests of the NASWA Board of Directors and Exec Editor. Official club policies on any issue will be so noted, otherwise this Report does not, in its personal commentary, reflect the views of the entire club. It is merely our way of keeping you well informed on the Association, what it is doing for you, and what part your representatives, and those of other member clubs, are playing.

First this month, a sincere and hearty welcome to Bruno Colapietro as our newest representative. Bruno a hard-working sw enthusiast, a practising attorney, and has been active in the past for the Association. You've seen his name here in the past in the realm of Association activities, and he is well-known for his DXing ability and hobby spirit. Bruno, welcome to the inner circle.

Now..into news from the Association..

On the minimal age of 21 for representatives (which was instituted as A Constitutional Amendment and needed 2/3rds majority vote) the reps soundly and completely defeated the proposal, 14-5. The representatives thus express their satisfaction with the status quo as pertains requirements for representatives.

The voting on the DX Census proposal was unanimously accepted by the full voting contingent, 18-0, with one exception, an abstention. National Radio Club's Chris Maslen is heading this committee, and we're certain he can use every helping hand available. Drop Chris a note at 84 Hendricks Blvd Buffalo, N.Y. 14226. Don't forget to mention Friendx sent you, eh?

ES Dexter has appointed a special Study Committee to look into the Association's operations, procedures and general organizational setup. The committee results from what Gerry terms "several questions over the past months concerning ANARC procedures" etc. that all are painfully aware of. Dexter has wisely organized the committee to see that some of these problems may be isolated and dealt with, that we may obtain a clearer definition of what is correct and what is not, and hopefully to obtain a more smoothly operating ANARC.

May we add our "amen" to SW Ed Don Jensen's comments last month, and our quick apologies if we planted the impression that any blame re the demise of the Reference Book Committee fall anywhere but to simple lack of an adequate exchange of plans between the parties involved. We certainly did not intend any blame fall to ANARC.

Other Association news this month we're sure you'll find interesting;

The annual ANARC Convention, to be held at Omaha will include a tour of SAC Headquarters, as well as one of the BCRTV transmitting plants. In addition, World Radio Labs of Council Bluffs will have a man present to demonstrate receivers. There will be a banquet on Saturday night and on Sunday, and a mammoth free literature roundup. Your SASE to committee chairman

Ernest Wesolowski, 1416 Pasadena Avenue, Omaha Nebraska 68107 will bring you full details and reservations. The reservation fee is a low \$11.

We had a very interesting discussion with Ralph Irace Jr. a few weeks ago via phone, Ralph at his residence in Florida and this writer in N.H. If you're thinking of talking with an associate for nigh two hours these days you might figure the phone bill to come to \$27.85, excluding taxes! Among subjects discussed were the association's future and some enlightening exchange concerning proposals.

The Exec. Secretary notes in this month's Newsletter to representatives that his efforts to iron out the misunderstandings resulting in the demise of the Reference Book Committee were apparantly to no avail. We are though deeply interested in getting this committee back "on the track", possibly with a new chairman if need be, as the idea of a permanent reference book containing the best of past articles from member club bulletins is an excellent one, well-approved by the voting reps.

ANARC gains more and more recognition. Witness the forthcoming article concerning the Association in the 1969 World Radio TV Handbook.

The QSL Committee, one of our long-standing committees whose aims were altered a bit when Prof. Dick Wood (Dept of European Languages, Univ. of Hawaii, Honolulu, Hawaii 96822) took over last year, is seeking interested volunteers for english-speaking stations. Most members, we are sure, are familiar with the ANARC QSL Card instituted by this committee.

The International Radio Club of America BOD has voted to support the Fircrest DX Club's petition to the International Telecommunications Union on their (ITU's) policy of non-verification of utility stations. (The Assoc appointed our new man, Bruno Colapietro, to investiagte this new ITU policy some time ago, and despite Bruno's best and greatly appreciated efforts, no results were forthcoming.)

Additionally, reported to the association this month is an exchange of information on Courtesy Programs to BCB-oriented member clubs, including exchanges between NNRC and NRC CPC Chairmen, arranged by the Association.

Of late, we've noted an apparant lack of interest on the part of members to the items in this Report, and to the Association in general. No letters...save those received by ex-rep Glover for his committee..have been received by your reps for nearly four months now. We emphasize that your participation need not be limited to the presenting of ideas for possible Association discussion to your representatives, but may too be in the form of your communications offering assistance to the varied committee heads we herein list. Everyone of them wants to know that you, the member, are with them and interested in their efforts on your behalf. ANARC is not a club! It is a parliamentary body composed of reps from all interested clubs, men who work together with one common goal..the furtherance of your individual hobby enjoyment. Write today to your reps: Bruno Colapietro, 708 Harpur Drive, Endicott N.Y. 13760 or Doug Benson, PO Box 131 Laconia N.H. 03246. On this subject: Special tnx to Bruce Goldman, who sent letter outlining his plans for a nationwide census of listeners while ANARC, unpublicized, was working behind scenes on DX Census Committee! Your ideas are needed! Are you formulating one now you'd like to see come about? If so, let's hear it.

HDQ NOTE: Present NASWA ANARC Reps are Doug Benson, Bruno Colapietro and Frank Peters. Although latter has submitted resignation, he has consented to continue serving until October when Gerry Dexter, now ES of ANARC, will have completed his 2 year term of office (he does not plan to run for re-election!) and will replace him as NASWA Rep.

ANNUAL ANARC CONVENTION, THIS YEAR IN OMAHA, NEBRASKA, AUGUST 16-18. PLAN TO ATTEND!



SHORTWAVE BROADCAST —CENTER—



DONALD N. JENSEN—EDITOR

5204 70th STREET

KENOSHA, WISC. 53140

GOODBYE RADIO AMERICAS - THE STATION AND THE CONTROVERSY

So, once again, Radio Americas is gone. After a few months back on shortwave, it is again silent. In March, it was announced by the South Miami office of Radio Americas that it would leave the air May 15. Here in Wisconsin, it was logged on 6,000 kc/s. on the evening of the 14th, but later rechecks of the frequency as this is written on the 16th, indicate Radio Americas has, indeed, gone.

Also finally settled this month was the controversy over the station's location. An article in the current Electronics Illustrated tells of a visit this year to Swan Island by author Tom Kneitel. It establishes, once and for all, that Swan is R. Americas' location. The article is interesting, in that it fills in the little details of the station's operations, though it hardly provides any revelations, except perhaps to the handful of DXers who felt it was situated elsewhere. And so, like the station itself, the location controversy is also ended.

While Kneitel's article on his visit to Swan is "on target," unfortunately we can't say the same about his comments in another portion of the same EI issue. In his "Uncle Tom" column he says the location of mysterious Radio Libertad "seems to boil down to two possibilities: Andros Island in the Bahamas or Vieques Island off the east coast of Puerto Rico." It is not likely that either of these islands is the Radio Libertad site, for reasons mentioned in earlier Frendx articles. Chances are we'll go into this matter more thoroughly in future "Clandestine Corner" features.

...Don Jensen

QUESTION BOX - JUNIOR VERSION

QUESTION: What exactly does a relay station do?

ANSWER: It relays! Seriously, it receives transmissions from its master station(s) and rebroadcasts those programs from a location, usually at an overseas site, closer to its intended audience. As an example, VOA programs from U.S. transmitters are picked up and rebroadcast by relay stations at Tangier, Okinawa, Liberia, etc., etc., etc.

ANTIQUE RECEIVER

Stan Mayo reports: "I sold a McMurdo-Silver Masterpiece VI receiver to a collector last year, still in working condition...Freq. coverage was 150 to 80,000 kc/s., in six bands, with a fan shaped dial that gave one fast tuning and a short length of fine tuning at any portion of the dial scale, using only one control...Power supply and speaker were separate items...Total number of tubes was in excess of 20, with variable selectivity, IFO...two stages of RF on all bands...four stages of air tuned IF at 455 Kc/s...Stability was terrific and performance was very good...Receiver had one big chrome cover to go over the works...The set was tagged 'custom built' for a now defunct retailer in Chicago area. When I shipped it to the new owner, the weight was 150 lbs."

R E M E M B E R R A D I O S E A C ?

Old timers may remember the popular Radio SEAC, which broadcast last some 18 years ago from Ceylon. In your recollections, you may believe that this was a wartime operation. Actually, it was not.

SEAC stood for the South East Asian Command, and the station was the voice of the British Commonwealth forces in that part of the world. Though SEAC did present regular forces programs over the transmitting facilities of AIR in India during the war, it wasn't until May 1946 when the 100 kilowatt shortwave transmitter of Radio SEAC went on the air from Ceylon.

The station was a special child of the British Forces Broadcasting Service, owing its existence to the drive and forceful persuasion of SEAC's supreme commander, Lord Mountbatten. It was located in a palm grove, 15 miles from the studios in Colombo. It was the most ambitious Forces station in the world at the time.

From it were broadcast six and a half hours of radio entertainment each day, including realys from the BBC's General Forces Program, recorded programs flown from London, and live shows produced in the Colombo studios.

The station, commanded by Lt. Col. Bernard Mac Nabb, had an immense coverage, taking in India, East Africa, Australia, New Zealand, Indo China, Japan and the Pacific area. It was widely heard by listeners in the U.S. as well. Specially directed transmissions to Britain were beamed on the 19 meter band between 1830 and 2000 GMT on Sundays, providing a link between His Majesty's Forces troops and their families at home.

The station continued broadcasting until April 1949, when the fully equipped operation was turned over to the Ceylon government and became part of Radio Ceylon.

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ARMY GIVES TRANSISTORS AWAY

U.S. Army psychological warfare experts are giving away transistor radio sets in an effort to get more Viet Cong to defect. The small sets are dropped in VC areas and left along trails the Viet Cong frequent. Preset frequencies for Allied stations of music and "commercial" messages aimed at the Cong forces are used, reminding the Cong of their latest casualty counts and where to go to join the government side. The sets are dropped, along with two spare batteries, in thick styrofoam cases. Broadcasts are in Vietnamese; Cambodian and Montagnard. No information on frequencies was given.

...UPI, via Doug Benson

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DISTRESSING MESSAGE FROM MAO

The Russians have accused the Chinese of violating maritime and international broadcasting rules by transmitting passages from the works of Mao Tse-tung on 500 kc/s., the frequency customarily reserved for SOS signals. The Soviets say Chinese transmitters in the ports of Darien, Shanghai, Tientsin and Tsingtao broadcast Maoisms up to 30 times a day.

Newsweek, via Gerry Dexter

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Want more information (and/or reservation cards) about the big ANARC convention in Omaha, Aug. 16-18? Drop a line to Ernest J. Wesolowski, 1416 Pasadena Avenue, Omaha, Nebraska, 68107. Do it today!

R A D I OI N

By Richard E. Wood

H A I T I

Contrary to the situation in the Dominican Republic, where radio broadcasting is today flourishing as never before, the Haitian stations show signs of decay and decline, with the exception of the two main missionary stations, Radio-Lumière and La Voix Evangélique, which are definitely expanding, thanks largely to the contributions of American church members.

Commercial broadcasting is not a prosperous business in Haiti today, and even the owners of stations cannot exist on income from the stations alone. An example of a station which is not breaking even is Radio-diffusion Haitienne, on 4,940 kc/s. Its owner, Yves Michel, a most delightful man, has to spend most of the day working at the Port-au-Prince airport; most of the meagre income from the few commercials goes to paying the disc jockeys and to keeping the station on the air, a major problem in a country where spare parts are impossible to obtain. Working at the airport, however, he is in a better position to place orders abroad and take delivery of parts as they are unloaded. This would be more difficult for a station in the provinces. Michel is very proud of his overseas reception reports; he keeps them in a file and, when I visited the station last July, and introduced myself, he located my report among those received from the U.S.; Canada, Sweden and elsewhere. The station is located in a two story house; the two studios and the transmitter are on the upper story. All in all, the station is not a paying proposition; it is vaguely for sale, and may change hands if there is a taker.

For contrast, let us pass to the Port-au-Prince station of Radio Lumiere. There I was welcomed by Edwin Walker, the manager. A thunderstorm was sending sparks flying and enormous static crashes all around the transmitter; and our car bogged down in the mud outside the station. Walker showed us the station, in a nice bungalow and quite well equipped. The network has its shortwave station out on the peninsula at Les Cayes, and the expanding network of FM repeaters placed on inaccessible mountain-sides throughout the country. He also spoke of his trip to Navassa Is. (see Jan. '68 French), and of the gradual expansion of

repeaters into territory originally earmarked for coverage by the other missionary station, La Voix Evangelique, itself now expanding southward from Cap-Haitien in the north. I had originally planned to travel overland to the Cap, but this is impossible. The only communication today is by air. So I was unable to visit the Cap and see its historic Citadelle and the station named after it. This was frustrating, as I had just received an interesting letter from Georges Boncy, the owner, and had brought a record which he was unable to obtain in the Cap.

La Voix de la Revolution Duvalieriste is located somewhat to the east of Port-au-Prince, on the road to the Dominican border; originally called Radio-Commerce, it was the first Latin American I heard and verified back in 1958 (other than HCJB). The original sign, Radio-Commerce, had been altered; the word Commerce replaced by de la Revolution Duvalieriste. The transmitters were in a field behind the studios. I decided not to go inside the station. During the period of my visit, national festivities had been decreed; and in visiting another station, I saw a telegram from the Ministry of Public Works, Radio Division, instructing it to relay La Voix de la Revolution during the celebrations. This was done, as also occurs when La Voix de la Republique d'Haiti, also originating at the government station, is on the air.

Perhaps the most interesting station I visited was Radio-Haiti, in the heart of the downtown area. It is in the upper story of a commercial building; the antennas rise from the rooftop. It is a station that has seen better days. There is a large and quite attractive theater, but very few shows are ever staged there now. The studio is small and cramped, and on the hot side too. Two lamps indicate whether or not the two transmitters are on the air. When I visited the station, with Cesar Objio and Victor Jaar, the shortwave transmitter was evidently off the air, as the light bulb was not glowing. There was a definite stylishness in the presentation of programs at Radio-Haiti, which was lacking at the other stations. The great advantage of this station, however, is that it has a direct teletype connection to the Agence France Presse; news items, in French, are received from Lima, during the day, and direct from Paris, at night, and may be

(continued next page)

"THIS IS THE VOICE OF AMERICA TRANSMITTER, MOSCOW.....MOSCOW???"

In a recent broadcast beamed to North America, Radio Peking accuse Radio Moscow of becoming " a branch of the Voice of America. " It stated that no difference could now be detected between the lines followed by the two stations, and that one had actually become a relay station for the other.

A bitter and explicit attack was made by the Peking broadcast against Soviet authorities for their cessation of jamming of Voice of America Russian-language programs. By implication, the present Soviet jamming of Radio Peking's Russian service was also attacked.

At present, Moscow's jamming of the Peking transmissions exceeds the virulence of all attempts at jamming Western broadcasts during the days of the Cold War. Broad ranges of up to a hundred kilocycles are subject to blanket jamming, primarily with single side band and distorted signals carrying the Mayak musical program. To avoid jamming, Peking has introduced Russian services beginning at irregular hours, varying in frequency, sometimes shifting channels several times per minute, but blanket jamming reduces the effectiveness of such tactics.

At the same time, jamming of Western broadcasts continues to decrease. The recent liberalization in Czechoslovakia has resulted in the cessation of jamming of the Voice of Germany, which had continued even when jamming of the Czech and Slovak services of the VOA and the BBC was terminated some four years ago.

....Richard E. Wood

RADIO IN HAITI (Continued)

read straight from the machine, providing by far the best news source for Haitian listeners. La Voix Evangelique does relay the Voice of America, but mostly in English. Other stations provide little news service.

All programming, except for occasional commercials, on Haitian commercial stations is in French, with only slight Haitian intonation. Only the two missionary stations, and Radio Havana and WNYW, in their special Haitian programs, broadcast in Creole. Great social stigma is attached to the use of the language of 95% of the population; even in the countryside, the aim is for all programming to be in French. I did, however, note a few Creole commercials on one station. Except to the missionary stations, reports should be sent in French, although English and Spanish are understood at some stations. The educated Haitians, however, are truly proud of their French culture, and it is a courtesy to address them in French.

Finally, Radio-Caraïbes. Again, when I visited the station, rain was coming down in torrents and lightning was cracking in the sky. Worse than that, floods of rain were pouring in onto the open balcony, on which the transmitter, completely exposed to wind and weather, was sitting. Enormous blue sparks were flying around, and the hapless disc jockeys certainly deserve danger pay for working under such circumstances. As is well known, this station wanders up and down the 49 meter band. It is a wonder that it is on the air at all. It cannot be long before lightning strikes it; so send your reports in now. Small wonder its former manager, Antoine Brown, moved to La Voix de la Revolution. La Voix has efficient lightning conductors.

....Richard Wood

The real heart of NASWA is its members. To keep our club on top, your participation is necessary. Your contributions of logging tips, QSI data, news briefs and feature articles are needed!

A FRENDX MULTI-PAGE FEATURE

BY H.L. CHADBOURNE

THE ULTIMATE "DREAM SHACK"

For the NASWA Dream Shack, I had to purchase 15,000 acres of high plateau land near Carlsbad, Calif. Propagation duct conditions are favorable in this area; the nearby Pacific provides a fine ground plane for signals from the west; and Carlsbad is not as yet overcrowded. I judged the substantial land purchase necessary, however, to assure a continued low level of radio-frequency interference; if I own the land, I can control rf.

The shack itself is perched 120 feet high atop my Tower House on the Carlsbad property, and is reached from lower floors by fast elevator. The shack room is about 35 feet square. There is a large picture window on each side, Polaroid equipped for glare control.

ANTENNAS AND GROUNDS - The windows afford not only a fine view of the sea and the surrounding countryside, but also look out on my five rhombics. These fan out from the building, extending some 300 feet each and pointed toward great DX areas of the world. They are supported by fifteen stately 120-ft. towers, three to a rhombic. One support of the antennas is, of course, furnished by Tower House itself, so the lead-ins are very short and low in loss. To fill in the rhombic coverage, I use a log-periodic, rotatable, balanced dipole with elements ranging from 6 to 100 feet long. A fortunate purchase enabled me to install this unit for under \$50,000, and I've often been glad I had it, although the rhombics are the real workhorses.

The ground system I've solved quite simply and neatly by a network of wires buried in the earth under the rhombics. These wires, plus an automated sprinkling system tied in with my central computer and weather instruments, assure maintenance of the desired ground conductivity. Weeds, I admit, are a problem.

THE SHACK ROOM - Areas within an operating beam, or beams, are automatically illuminated on a large topographic globe at the center of the shack. Other shack lighting is adaptive, so the numerous cathode-ray tube and other displays can be viewed without interference, yet illumination is just right for reading and writing. A self-cleaning, wall-to-wall soft pile carpet and air conditioning add other touches of comfort. (The carpet rests on a grill, beneath which are supersonic generators. In the "bounce" mode, the supersonic waves break accumulated dust to micron size. During the "vacuum" mode, the particles are drawn through the carpet and directed to a dust bin. You wouldn't believe how clean this keeps my shack.)

A deep hardwood table, cantilevered out from the walls, runs around the periphery of the shack. It supports the receivers, computer-type tape recorders, electronic calculators, digital frequency counters, frequency synthesizers, panoramic frequency displays, and other hobbyist instruments at convenient height for control. Space is available for writing, typing and experimental equipment patchups. Numerous power, headphone, antenna, sine-wave radio frequency, and intercom outlets are also provided, all switchable to give a wide range of outputs.

Chairs ranging from drafting stools to luxurious loungers with built-in sound pillows are tastefully arranged in the shack to meet the needs of the DXer and his guests. A motor-driven bar-refrigerator can be commanded to bring refreshing drinks chairside. Five direct-line telephones connect with DX centers of the world. A large vertical plotting board, similar to that found on warships, and a specially drawn map showing shortest distances from Carlsbad (south Carlsbad actually) to all cities of the world, complete the decor. The plotting board is used to plan DX campaigns. Most of the large room is thus functionally utilized.

FREQUENCY CONTROL - A key feature of the Tower House shack is its cesium atomic primary standard frequency source. (I use and endorse the Hewlett-Packard frequency standard at \$14,500. Why pay more?) This keeps within 1 millisecond of WWV a year, all I really need in accuracy. The stable frequency controls twelve digital clocks around the room that show GMT and other times of interest. A controlled audible readout of 1-second time ticks, with voice identification of GMT each minute, is also available. This signal can be switched onto headphones, shack loudspeakers, or otherwise unused

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DREAM SHACK (Continued) - channels of the tape recorders when they are recording DX broadcasts. I've found this exact time indexing of tapes a great convenience.

But perhaps the best value I get from my primary frequency standard is using it to drive Hewlett-Packard frequency synthesizers. These set me back \$13,500 each, but are worth every penny of it. They control, or act as, local oscillators of my principal receivers. The result is that I always know local oscillator frequency within ± 0.01 cycles per second, and hence can derive the frequency of a received signal with great precision.

PURCHASED RECEIVERS - The precise frequency control suits the characteristics of my four new Marconi Hydrus receivers, which are designed for entirely automatic tuning. (The Hydrus sets have just come on the market, and are of very advanced design. Price varies according to selection of options; for a round figure, say \$10,000 each.) I also apply the control advantageously to two of my Racals. Frequency readout of the controlled sets is via Hewlett-Packard digital counters with automatic frequency dividers, which are also available for other counting applications. (The dividers are necessary to obtain complete automatic digital readout of frequency from direct current to 12.5 Mc/s. You could provide for still higher frequencies, but this satisfies me.) At \$6,400 each, these counters seem expensive to use as "dials", yet they add undeniable elegance to the assembly.

I'm thinking now of extending the precise frequency control to my Mackay, one or both of the large Collins', the Squire Sanders, and several other sets in the shack, but have not got around to this. One cannot do everything at once.

HOME-BUILT EXPERIMENTAL RECEIVERS - More interesting than the above equipment, which might be found in any enthusiast's shack, are two highly specialized homebrew receivers. My brainchildren--and I'm proud of them.

One is cryogenic. As you know, superconductivity occurs in some metals as absolute zero is approached. The effect has been used to create magnets of fantastic efficiency. In radio, superconducting tuned circuits have extraordinarily high Q's, or figures of merit. This means low noise, little, or no, attenuation of incoming signal, and very sharp selectivity. Put such tuned circuits at the input of receivers and you eliminate interference from adjacent channels BEFORE the signal reaches the amplifying tubes or transistors. In this way you eliminate the overloading and crossmodulation effects that hamper shortwave reception so much. Voila!

My cryogenic receiver will indeed work through the most severe adjacent-channel QRM in pursuit of elusive DX. I confess, though, that the setup is a little elaborate and costly, what with its cryogenic chamber, mounted subfloor, and the prosthetic hand servo-controlled tuning apparatus. Then too, the blasted thing sometimes freezes solid.

Another unusual receiver is my broadband unit. It receives a whole frequency band (as, for example, 4.7 - 5.2 Mc/s.) at once and records it all faithfully on video tape with, as noted before, audible time identification on an otherwise unused channel. (A low-noise Comdel rf amplifier, flat from 0.8-10 Mc/s., 140 dB dynamic range, 9 dB gain feeds a full-Schottky diode mixer (the half-Schottky is no good), with no tuning needed of rf circuits. Oscillator signals are derived from a frequency synthesizer. The unit uses a broadband crystal filter with 2:1 shape ratio, feeding into a video tape wide dynamic range detector.) One method of playback is through an oscilloscope. The screen shows as pips all signals in the entire 500 Kc/s. bandwidth, or, if I choose, it can show any narrow slice of the band. I find it invaluable.

Whereas the Marconis are great for tuning to preselected frequencies on a preset time schedule, my broadband receiver is best for exploration. I use it to search out new or unexpected stations. I spot them by frequency when they pop up on the calibrated oscilloscope screen. They can be spotted even during macrosearch, the greatly accelerated playback I find so useful for rapid searching.

Whenever I want, I can feed the broadband tape output into a special receiver and tune to any station on the tape, just as if it were being received directly off the air. I notch out interference, adjust gain, and perform other functions in a manner identical to that used in normal broadcast reception. But I do the listening at a convenient time, and I repeat passages--or indeed the whole interlude--as needed to improve intelligibility. By listening to them one at a time, I can prepare reports to as many stations as

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DREAM SHACK (Continued) - were on during the recording period, even though they were on simultaneously. I like to relive a great DX night time and time again with the tapes from my broadband receiver.

COMPUTER - With the gear I have, it's not worthwhile to spend long hours at the dials tuning in stations in the conventional manner. So I don't. I seldom touch a dial or a gain control. My reception is preplanned and ordered, or programmed, and my trusty Control Data Corp. general purpose digital computer installed in the basement sees to it that my instructions are faithfully executed. I keep the entire contents of WRTH on file in the memory circuits of the computer, updating it as new information appears in FrenDX and other reliable sources. desired stations and times of operation are selected in advance. The computer and its interface equipment provide the switching signals to insure that the proper antennas, receivers, and output devices are connected on schedule, and that tuning is right for optimum reception. Operation, naturally, is round the clock, 365 days a year.

A readout from the computer tells me the received frequencies and operating periods of tape segments, but I still must scan the tape as a whole aurally and listen carefully to parts of it before I can compose a report to the station. This takes more time than anything else, and I'd like to automate it. I've had a little success so far with my Signature Identification Label Indicator (SILI). I can, for example, get an automatic flash when the Dahomey tam-tam, Burundi umudili, or other unusual instrument has been played. SILI also responds to "Pepsi Cola," "Mejoral," and "Yankee Imperialism," but these do not help much and further research is needed.

ASSISTANTS - Programming my DX schedule is tedious and calls for a knowledge of computers I confess I don't possess. I count myself lucky, therefore, in having as an assistant the attractive Gladys Fortran, a recent college graduate who majored in programming. Mrs. A. Hertz ("Meg") is invaluable as my secretary. Serving as DX aides are the charming Mi Toy, fluent in twelve oriental languages and Russian; the versatile Racquel Gabby, who knows not only all the romance languages but also several obscure South American Indian dialects; the reliable old Tom Bouctou, expert on the voices of Africa. Nor must I forget my wiry electronics technician, Mike Henry, who so capably takes care of my electronics maintenance and who helps me in my experimental laboratory on the floor of Tower House below the DX shack. Without this loyal and efficient staff, my DXing would be paltry indeed.

PROSPECTS - What of the future? How to keep Tower House shack ahead of the state of the art, as the engineers say, and yet avoid conspicuous extravagance? I reject as un sporting the idea of a private satellite to relay broadcasts to me from hard-to-get stations. But I do plan to extend the repetoir of SILI. When a station announcement or popular song comes over the air, I want SILI to write down the identification. This way, I'll get clues on the late-night catches without having to listen to all the tapes. I'd really like a sort of linguistic heat pump--put in a spoken word in a foreign tongue, out comes written English; put in spoken English, out comes the equivalent text in the desired foreign language. Under development in my lab is a gadget called SINPOPO (SINPO Printed Output). It measures reception conditions electronically and exactly, assuring accurate reports. No longer will I have to face the onerous task of decisions, decisions.

An improvement I've planned is the use of parametric amplifiers and other advanced circuits in my broadband receiver. These should minimize the overloading and cross-modulation effects that have occasionally been troublesome. Too, I want to do more with signal-processing -- extracting signals from deep in noise.

I will add a "hunt" mode and signal evaluation circuits to my computer-controlled tuning operations. With these, if a scheduled station is not received well, a list of alternatives will be run through until satisfactory results are obtained.

Finally, I definitely will defrost the cryogenic set and cut the weeds under the rhombics.

That's it. My dream shack is neither complete nor perfect, but it serves me well. If you readers of FrenDX are ever out south Carlsbad way, come to call at Tower House; I imagine you'll find it easily.

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AND SO WE END OUR SIX MONTH QUEST FOR THE NASWA "DREAM SHACK!"

The only broadcasting station in Afghanistan is Radio Kabul. Experimental broadcasting began there as early as 1925, and in 1940, a 20 kilowatt medium wave transmitter began operations on frequencies of 454.5 and 660 kc/s. In 1958 and 1959, two shortwave transmitters, one of 10, and the other of 50 kw., came into operation at new installations at Yakatut, to the north of Kabul. These transmitters provide stronger internal reception and are provided with antennas directed at Europe, South Africa, Japan and Indonesia. Owners of radio receivers are not required to obtain licenses but the sets of Dutch, German, Czech and even Russian make, carry high import duties and are expensive. Some 63,000 sets are in private hands, and the government has also installed loudspeakers in all of the larger towns.

R A D I O K A B U L
A F G H A N I S T A N

Radio Kabul is on the air eleven hours a day; two in the early morning, one at noon, and eight during the afternoon and evening. In addition to its major programs in Persian and Pushtu, it broadcasts in English, French, Russian, Arabic, Urdu and Baluch. One English language broadcast is directed to Pakistan and India, and another to Europe. Nearly half of the total broadcast time is given over to music, and the staff of Radio Kabul and its consultants deserve great credit for their successes in this field. After music, news programs consume the most time, followed by educational programs. "Pushtun Zhagh," (Pushtun Voice) is published monthly by Radio Kabul. Each issue contains the complete station program for the coming month, as well as a number of articles in Persian and Pushtu. The government considers Radio Kabul its most powerful instrument of government propaganda, and represents as well, a strong integrating factor in national life. In recent years, more and more of the station's time for local broadcasting has been devoted to promoting Pushtuistan, with material designed to inflame relations with Pakistan over this issue. (An ethnic group, the Pushtuns, currently reside in Pakistan, but Afghanistan says that they should join with "Kabul country." In this way, Afghanistan would gain territory.)

Radio Kabul is one of west Asia's hardest stations to log. If you do receive the station, and would like a QSL, or some other information, you can write to Post Office Box 544, Kabul, Afghanistan. It is advisable to register your mail, since it is reported that post offices in the country are subject to mail theft.

...Michael Silverstein

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SIDELIGHT TO REPORTING

While researching an article on the SINPO and SINPFEMO reporting codes, I stumbled on an interesting reaction to a standard reporting technique. I went to the engineering departments of three major broadcasters. In each case, these broadcasters, in answer to queries regarding depth of fading, QSB, noted that such detailed facts were, in effect, superfluous. While I had been taught for years to treat fading with detail and care in reports, these three sources stated that such factors as counting the number of fades per minute, measuring against an "S" meter, the depth and continuity of fades, comparing fading on their channel with adjacent channels, were of limited value.

One broadcaster wrote, "It is only necessary to list the SINPO report as indicated in World Radio TV Handbook...Normally we would have no need for more accurate reporting because we listen daily to the signals coming to us via the reciprocal path and frequency which keeps us up to date on the technical degree of fading or propagation characteristics." Contrast this comment with that of "Pip" Duke, of Radio Canada, who has written favorably of including such data in a report. Since it seems the desired technical depth in reports varies from station to station, one wonders if it would not be valuable to study just what a stations needs are in this respect, and in other technical matters.

....Doug Benson

CLANDESTINE CORNERPEYK E IRAN

Moscow recently accomplished what the mysterious jammer, which gained fame as the "Kiss Me Honey" station, could not do in five years...close down the clandestine communist station, Peyk e Iran.

According to a "Radio Liberty Dispatch," authored by Christian Duevel, issued Mar. 1, "a curt, but intriguing announcement by the 'clandestine' Voice of the Iraqi People, which is operated by the Iraqi CP (communist party) in exile and believed to have its transmitters in Bulgaria, said in its Arabic broadcast on Feb. 24, that as of next Tuesday (Feb. 27) the Voice of the Iraqi People is compelled to suspend its transmissions temporarily."

The Voice of the Iraqi People is known in its Arabic transmissions as Saut-ul-Sha'abi Iraqi, and in the Kurdish language (to Iran) as Peyk e Iran (The Iranian Herald). As recently as January, the station operated on 11,693 kc/s., plus frequencies in the 26 and 31 meter bands. It was also reported on 17,660 kc/s, early this year. It signed on at 1355 GMT, as Peyk e Iran, in Kurdish to Iran. It switched to Arabic under the Saut-ul-Sha'aba Iraqi name, for Iraq, at 1400, and then to Kurdish for Iraqi audiences, under the same name at 1415. From 1430 to 1810, it broadcast, variously in Persian, Kurdish and Azerbaijani, for Iran. Arabic programs for Iraq continued until 1840 GMT sign off. It announced an address in Sweden, Box 4176, Stockholm, 4.

Peyk e Iran long had been badly jammed by a station, supposedly in Iran, which gained fame for repeatedly playing a brief portion of the record, "Kiss Me Honey." Later, the jammer used other records to block the clandestine station. These included a Beatles' disc, and more recently, "My Blue Heaven," and other melody fragments.

Independent sources agree with Duevel's contention that the Iranian/Iraqi station broadcasts from the Sofia, Bulgaria area, though some reporters contended the transmitter location was in East Germany.

Duevel's paper quotes a Feb. 26 broadcast in the Kurdish service: "As of today and until an unknown date, the Voice of the Iraqi People will cease broadcasting...You certainly remember the black clouds which covered our country, Iraq, some five years ago. A bunch of criminals, bloodthirsty traitors (sic)...seized power in our country on Feb. 8, 1963 and stained Iraq with the blood of its brave sons...In those dark days the Voice of the Iraqi People started broadcasting and proclaimed the just voice of the Iraqi people to the world. Now, five years later, the situation has changed. Members of the clique have destroyed each other, the Iraqi people have regained their strength, and the Kurdish people are flying the flag of their liberation movement throughout Kurdistan and are insisting that they will not lay down their arms until all national aspirations are achieved. Our Iraqi Communist Party has regained its power and has entered the field of struggle...Dear citizens, under such encouraging conditions we must say goodbye for good reason. The feared gap which might have appeared by the cessation of the Voice of the Iraqi Communist Party for some time, especially since it has purged its ranks of opportunists and troublemakers..."

Duevel says, however, "It is thus clear that the Iraqi CP broadcasting station is not just suspending its transmissions temporarily, for technical or other reasons, but has been closed down definitely. The nostalgic and regretful tone so discernible in both announcements suggests that the Iraqi CP leaders themselves are unhappy about this development. The orders must have come from Moscow, and there was nothing they could do but obey."

"The reasons given by the Voice of the Iraqi People for discontinuing its broadcasts, viz. the "changed situation" in Iraq, do not seem convincing in the light of its own earlier broadcasts. Thus, only a few days before the news of its closing down, the broadcasting station had transmitted in full a resolution adopted by the Third Iraqi Communist Party Conference held in January of this year. It presented a picture of an Iraqi regime which engaged in "continuous aggressive acts against the Kurdish people" and is "crushing the people's democracy by force," "collaborates with imperialism" and has actually placed itself "outside the national liberation camp's

CLANDESTINE CORNER (Continued)

struggle against imperialism and Israel." It is only logical that the contradictions between the anti-regime attacks on the Iraq government by the clandestine station and Moscow's official line, which supports Iraq, and the Arab nations, could not be maintained indefinitely without becoming counter productive and self-defeating in the end. So the Voice of the Iraqi People had to be silenced for the time being, to be reopened, to be sure, when Soviet foreign policy changes. The decision may well have been a difficult one in view of the strong pro-Peking leanings that are known to exist among an apparently substantial section of the communist rank-and-file in Iraq itself. The "Voice" was certainly effective in counteracting these pro-Peking tendencies. Moscow could have toned down the anti-regime content of the "Voice" broadcasts so as to placate the Iraqi government. But that would have merely helped the Peking faction in Iraq since it would have been interpreted as proof of the "treason" of the pro-Soviet Iraqi CP leadership in exile.

...data by B.T. Goldman with additions

ELEVEN METERS SHAPING UP

With the approach of summer and the peak sunspot year, broadcasters are going high up the bands. DXers had a taste of 11 meter DX last year and now many go up there for their best signals. The following list was compiled from Fren dx bulletins, Wireless World's Guide to Broadcasting Stations, WRTH, PE, etc.

FREQUENCY	STATION	POWER IN KW.
25,610 kc/s.	Radio Nederland	10/50/100
25,625 kc/s.	Vatican Radio	
25,630 kc/s.	KCER Delano, Cal.	50/200
25,635 kc/s.	Radio RSA South Africa	250
25,650 kc/s.	BBC, London, England	15/50/100
25,670 kc/s.	BBC, London, England	15/50/100
25,670 kc/s.	VOA, Greenville, N.C.	
25,690 kc/s.	VOA	
25,700 kc/s.	VOA, Monrovia, Liberia	250
25,720 kc/s.	BBC, London, English	50/100
25,720 kc/s.	VUD, Delhi, India	20/100
25,730 kc/s.	Radio RSA, South Africa	75/100
25,730 kc/s.	LLL, Norway	10/100
25,750 kc/s.	BBC, London, England	15/100
25,790 kc/s.	Radio RSA, South Africa	
25,820 kc/s.	Radio RSA, South Africa	250
25,840 kc/s.	BBC, London, England	50/100
25,880 kc/s.	VOA, Tangiers	35/100
25,900 kc/s.	LLA, Norway	5/10/120
25,930 kc/s.	VOA, Greenville, N.C.	
25,935 kc/s.	Radio Moscow	15/120
25,945 kc/s.	OEI91, Austria	1/50
25,950 kc/s.	VOA, Greenville, N.C.	50/250
26,040 kc/s.	Radio Nederland	10/50/100
26,040 kc/s.	WBCU, Boundbrook, N.J.	50
26,040 kc/s.	VOA, Greenville, N.C.	50/500
26,040 kc/s.	VOA, Tangiers	
26,080 kc/s.	BBC, London, England	50/100

This list is not necessarily a complete one, but includes some of the best heard.

...Compiled by Bruce Ted Goldman

SHORTWAVE RECEPTION IN HAWAII

BY RICHARD E. WOOD

It has been my experience that reception conditions for shortwave broadcast stations here in the Hawaiian Islands are the best in the world. This stems in large measure from the lack of transmissions beamed directly towards the Islands. In fact, we are well away from the beam areas of all major broadcasters, except Japan. From the point of view of mere SWL'ing, this is disadvantageous; armchair reception of the Happy Station, for example, cannot be guaranteed, and Europe does not put in local-quality signals at convenient listening hours, although perfectly tolerable BBC, DW and SBC reception is usually possible. Most "Pacific" services, however, from international broadcasters are, in fact, beamed to Australia, and Sydney is still 5,070 miles and four time zones away. Above all, it is on the other side of the equator. North American services are equally unreliable, as they are beamed during our early afternoon, and especially on the low frequencies, are therefore inaudible. Far Eastern services, on the other hand, are around or after midnight, Hawaiian time; Tokyo is still five time zones away, 3,849 miles. All in all, African services are the best audible here. This is the antipodean effect; our morning is the African evening, and vice versa.

The great advantage of the absence of the potent, beamed signals is the variety of different stations which will be heard as conditions are changed by sunspots, time of day, the seasons, and all the other factors. There is a total lack of splatter from local stations, and the short skip effect...the nearest regularly scheduled broadcasting station is 2,500 miles away (the local VOA station being on a standby basis only). Though I have DXed from locations much closer to Africa, e.g., Europe and Eastern USA, African conditions are outstanding here, at two fairly convenient times, local dusk and dawn. Excellent signals from Angola, Botswana, Burundi, etc., are regularly noted. Friends of mine with simple shortwave receivers complain that the only stations they can hear clearly are ETLF, Radio RSA, Lubumbashi, Abidjan, Ascension and VOA Monrovia, and these are, indeed, the most dominant stations. Our antipodean station, Radio RSA, 11,800 miles away, can generally be heard on all its frequencies, in all services. It is audible throughout the night, the year round, on 11 and 13 meters. From the 0300 sign on of Dar es Salaam to the 0700 sign ons of some of the extreme West Africans, the progression of daylight over Africa, coinciding with increasing darkness here in the Islands may be observed. African strengths are excellent at this time, better than I have observed on the US mainland, and, in the tropical bands, significantly freer from tropical QRM, utilities and other non-broadcast stations. This same period provides reasonable European reception on the lower frequencies, but at all times Europe suffers from considerable polar flutter. Luckily, the strength of European stations makes up for the difficult trans-polar locations, but the few small Europeans, such as Andorra, Azores, etc., represent a very difficult challenge. Distances to Europe are not especially great; London, 7,237 miles; Lisbon, 7,835 miles, but Hawaii is probably the most difficult area on the globe for the European broadcaster to cover with a readable signal. Reception in New Zealand and Australia is, by comparison, good. With Europeans still the major source of QRM, including jamming, the advantages for the DXer may be imagined.

A better European period is still around local dawn, say 1500-1900 GMT, with many bands open then. Still, Africa is dominant, and here the challenge is to penetrate as far as possible into West Africa before daylight causes the low frequency fade-out. The most problematic area is the Cape Verdes, which are not on the air during the 0300-0700 period which is the best for West Africa, but which are still too far west to be in darkness at 1830, by which time the band is beginning to fail. This is one of the many ways in which reception in Hawaii and New Zealand, two time zones westward, is different.

It would be wrong to say that reception in Hawaii is dominated by Asia, as many European and North American DXers seem to assume. But distances are still great. Manila, at 5,294 miles, is still farther than New York City, 4,974 miles. Except for Japan and other coastal and fringe areas, fade in times are quite late. On low

(Continued next page)

HAWAII (Continued)

frequencies, post-midnight hours are most propitious; these are the times for the small Thais, the Indonesian and Indian regionals, Nepal, etc. The northerly part of the Asian mainland is well heard, and continues to be noted well after dawn. On 49 meters, Siberian stations remain audible, especially in winter, almost until midday, local time, an effect I had not expected in such a tropical latitude. Fade-out times for low frequency East Africans are also remarkably late, with Dar es Salaam, Mogadishu, Kigali and others on 49 meters still noted at least as late as 10 a.m. Hawaiian time. By 1400 GMT, the swing through Asia has penetrated deep into the Middle East and especially into East Africa. This is the time for the Indian Ocean stations such as Mauritius.

Latin America has always been my principal DX target, and the view of this continent from Hawaii is radically different from that from Europe and North America. In such areas, Brazil, with its potent stations and Atlantic coastal location, and the Caribbean, tend to dominate the scene. Hawaii, on the other hand, in the middle of the Pacific, shows a distinct preference for stations on or near the Pacific littoral. My Peruvian loggings, especially, are incomparably better than those I made in Europe or on the U.S. mainland, although the distance (Lima, 5,968 miles) is great. Very low powered signals, over an all water route, penetrate well, and the utility stations, as already noted, are less troublesome, especially on 60 meters. There are two openings, or rather, one continuous propagational opening divided by a period of reduced station operation during the South American night. A key listening period is between fade-in which is around 0230 in winter, later in summer, and sign-off. The only disturbance at the time is from such Africans that may be on the air. Then, beginning with Brazil and proceeding through to Mexico, the sign-ons are heard at excellent strengths. By this time, Asian signals are increasing in number and strength, especially after 1000 GMT, a directional antenna may be used to null the Asians and boost the Latin Americans. On 19, 25 and even 31 meters, some remarkable daylight to daylight DX is experienced at around 2000 GMT, especially from Brazil and Argentina. It is an exhilarating experience, at 10 a.m. local, to find Brazilians every 10 kc/s. on 25 meters; many Asians, being then in the middle of their night, are then silent, leaving the band clear.

For these reasons, then, I regard Hawaii as a superior DX location.

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NOBODY'S PERFECT

WWV has an enviable reputation for precision, being both a time and frequency standard. But like anyone else, even WWV can find itself faced with vexing problems. Recently, member Stanley Mayo noted a spurious radiation of WWV's 25,000 kc/s. signal on 24,762.91 kc/s. He informed the station of his finding and received the following reply from William H. Dirks, assistant engineer:

"Thank you for your report of the spurious response at a lower frequency than 25 MHz. We are aware that this happens. It is a design defect in all of the three RF drivers we use at WWV. We are now in the process of trying to find out why this appears only on the 25 MHz output of the three RF drivers. I have two of them pretty well cleared up, but the third has been a little more difficult."

+ + + + +

COMPACT CASE

If one wants a more compact case for the BC221 frequency meter, the TS-164 frequency meter case is available from Fair Radio Sales, Co., Box 2105, 1016 East Eureka, Lima, Ohio, 45802, for \$3.95 new. This is a shock mounted case with an extra compartment in the rear of the case that is two inches deep. It comes with relay, resistors, ballast tubes, VR tube, etc., in the rear compartment; which can be stripped and the space used for the AC power supply. It is 9 1/2" high (about 8" without shock
Stan Mayo



NEWSROOM

DAN HENDERSON, EDITOR
8806 HUNTING LANE, APT.103
LAUREL, MARYLAND 20810

Deadline 15th of Month

All times GMT

Richard Wood reports that recently, mention was made in a BBC newscast of a station in North Korea calling itself "South Korean Liberation Radio". No details were given. (Richard Wood, Hawaii).

The following transmitters are currently in use by Abidjan, Ivory Coast: 3240 kc, 10 kw; 4940 kc, 25 kw; 6015 kc, 100 kw; 7215 kc, 1 kw, and 11920 kc, 100 kw. (Bruce Ted Goldman, New York).

The following schedule has just been received from The Voice of Vietnam, Hanoi:

On 11840, 11760, 9840, 9760, and 7210 kcs, from 1000-1030, 1300-1330, 1530-1600, and 2300-2330 in English.

Reports should be sent directly to Hanoi now, since it is reported that postal service has been established between the USA and North Vietnam. The address is: The Voice of Vietnam, 56-58 Quan Su Street, Hanoi, North Vietnam.

The new schedule from Radio Berlin International has just been received: English transmissions are as follows:

To USA and Canada from 0100-0145 and 0230-0315 on 9730 and 15170 kcs; and from 0330-0415 on 15190 and 15225 and 15315 kcs. To Africa from 0345 on 15140 kcs, from 0615 on 15100 kc, from 1215 on 21600 and 21575 kcs, from 1315 on 17825 kc; from 1645 on 21600 and 21575 kcs and 15170 kcs; and from 2000 on 15315 kcs.

To Europe from 1730 on 6080 kc, from 2017 on 6115 kc, from 2200 on 7185, 7300, 9730 kcs, and from 2300 on 6080, 6115, 7185, and 9730 kcs. (Radio Berlin International via Rudolph Manna, Douglas Anderson, Ft. a).

The following current schedule has just been received from Radio Iran, Tehran:

The foreign Service broadcasts may be heard on 11730 and 15135 kcs in Russian from 1730-1800, in Turkish from 1800-1830, in Arabic from 1830-1900, in French from 1930-2000, and from 2000-2030 in English. A special program for Iranians abroad may be heard from 2030-2130 each day.

Radio Tabriz, a regional station, may also be heard on 6155 kc with a 100 kw transmitter, broadcasting from 0220-2030 each day in Persian. (Radio Iran via George Schnabel, New York).

Richard Wood reports that, according to a report in the bulletin of the Luso-Brazilian DX Club, clandestine station Radio Portugal Livre is located in southern Algeria, near the border with the Niger Republic. Scheduled from 0700-0730, 1900-2100, and 2320-2350, the latter transmission has been heard on 11505 kcs. The station should not be confused with the program "A Voz da Liberdade", broadcast over R.T.A., Algiers on 6080 kcs. DXers in Africa, Europe, N. and S. America should check Radio Portugal Livre to see whether the claimed location is correct. (Richard Wood).

B. L. Manohar, (our Man in India) reports that Radio Nepal is being heard till s/off at 1620 hours GMT (Not 1520 as listed in '68 WRTM), which may help West Coast DXers in North America log them. In addition, he reports that AIR regionals on 4920 (Madras), 4800 (Hyderabad), 4862 (Delhi) are heard around 1400, with Gauhati (7150 kc) being heard from 1200-1230 each day. (B. L. Manohar, India).

SUPPORT NASWA NEWSROOM!!!

Radiodiffusion-Television Algerienne, Algiers, sends the following sked: Arabic: 0600-2400, Mon-Thu. interrupted 0900-1100 on 11810 kc. Kabyl: 0600-0800, 1200-2400, Sun. 0600-2400 on 9685 kcs. French: from 1200-1500, Sat. 1200-1700, Sunday from 0800-1800, on 15200 kcs; 0600-0800, 1200-1500, 1700-2400, Sat. 0600-0800, 1200-2400, Sun. 0600-2400, on 11835 and 9510 kcs; and 0600-0800, 1700-2400, Sun. 0600-0900, 1700-2400, on 6080 kcs. (Richard Wood, Hawaii).

BBC Cyprus station, sends the following schedule, valid until August 31: In English from 0145-0215 on 9625, 11955, and 15375 kcs; 0300-0330 on 9625 kcs; 0300-0345 on 6120, 7140, 9650, and 11720 kc; 0300-0415 on 11955 kcs; 0300-0730 on 15420kc; 0500-0730 on 17885 kc; 0545-0730 on 6120, 7140, 9650, and 11720 kc; 0900-1300 on 21660 kc; 0900-1815 on 17885 kc; 1100-1415 on 15420 kc; 1630-1745 on 15420 kc; and 1930-2115 on 11720 kcs. (Bruce Ted Goldman, New York).

The Voice of Free Korea, Seoul, sends the following current sked: In English to North America from 0300-0400 on 15430 kcs; to Europe from 0600-0700 on 15130 kcs; and to Southeast Asia from 0500-0530, 1100-1130; and 2100-2130 on 9640 kcs, with a transmission from 1430-1500 on 15430 kcs.

French may be heard from 0700-0730 on 15130 kc, and from 1530-1600 on 15430 kcs.

Spanish may be heard from 0230-0300 on 15430 kc, with Russian heard from 2145-2200 and 1445-1500 on 9640 kcs. (VOFK via George Schnabel and Richard Sia, Hawaii).

Jerry Stuart sends the following items: Radio Periat, Lebanon heard in English to N. America from 0230-0300 on 15440 kc; Radio Cairo in English from 0215 s/on to 0330 on 9475 kcs; and NHK, Tokyo, with s/on at 0700 in English on 9505 kcs. (Jerry Stuart, Oklahoma).

Radio Santa Rosa, Lima, Peru, is active on shortwave for the first

time, and may be heard on 6045 kcs, where it is noted around 0300-0400. WRTH '68 listings for Latin America in general, and Peru in particular, are inaccurate, and great care should be taken in identification. (Richard Wood, Hawaii) Maybe you could make up an accurate list, Richard, for a NASWA exclusive!--Editor.

Bruce Ted Goldman reports that the following stations will have new and more powerful SW transmitters in the near future:

R. Bangui, Central Af. Republic, in 1968, 100 kw. Kuwait--2-750 kw transmitters, Pakistan--Dacca-100 kw, and Islamabad, 200 kw; CBC--5 to 7 250 kw xnters in 1971, Mauritania--3-100 kw xnters by June, 1968; Cape Verde Islands--100 kw; Radio Nederland Bonaire Relay--5/300 kw xnters; and HCJB, 5/100 kw xnters. (Bruce Ted Goldman, New York).

Radio Ghana sends the following schedule, current as of the May publication from Radio Ghana:

To North America from 2000-2100 on 11850 and 9760 kcs, and from 1500-1545 on 17910 and 21545 kcs. To West Africa from 1400-2215 on 6130 kc; to Europe from 2045-2215 on 9545 kc; and to East Africa from 1400-1430 on 17910 1500-1545 on 21720 kc, 1645-1730 on 15282 kc, and 1815-1900 on 15285 kcs. (Radio Ghana via Mike Macken, Mass.)

From May 5, Radio RSA dropped 7270 kcs, nominally beamed to the Atlantic Islands (but of course in fact to North America), replacing it by an additional 31 meter band channel, 9530 kcs. Total schedule is now 2325-0320 on 6075, 9530, 9705, and 11875 kcs. (Richard Wood, Hawaii).

Radio Switzerland reports the following current schedule: To North America in English from 0130, 0230, and 0300 on 9535, 11715, and 15305 kcs; with West Coast Xmissions from 0445, 0545, and 0615 on 9720 and 11715 kcs. (Radio Switzerland via the station and John Carson, Pennsylvania).

Well, that ends another NewsRoom for this month--Please, put your name on each and every page sent. 7:3, Dan.



QSL REPORT



NASWA QSL EDITOR
GREGG A. CALKIN

174 WATERLOO STREET

SAINT JOHN, NEW BRUNSWICK

CANADA

Deadline

Fifteenth

Before beginning this month's QSL REPORT, I must take a moment to thank all those who have been supporting this column with your reports, suggestions and comments. All of these are most welcome and appreciated. Because of the large number received this month, we shall proceed at once to the bi-monthly SCOREBOARD.

No.	Reporter/Location	HIC	VIC	Most Prized Verification/Frequency.
1.	Don Jensen, Wisconsin	196	192	Falkland Islands Being Service 3958 kc
2.	Bob J. Padula, Australia	192	186	Lusaka, Zambia, 2355 kc/s, 2.5 kW
3.	Frank Peters, Illinois	190	185	Radio Port Vila, New Hebrides, 3906
4.	Jan Turner, Sweden	184	154	Chalkis, Greece
5.	Gerry L. Dexter, Wisconsin	179	176	Radio Rarotonga, Cook Islands, 5045
6.	Bob Hill, Maryland	179	6	CR4AA, Cape Verde Islands, 7396 kc/s
7.	Roger Legge, Virginia°	176	163	ZMB6, Western Samoa
8.	Bill S. Sparks, California	175	166	Emissora de Radiodif. de Timor, 3268
9.	Wendel Craighead, Kansas	168	151	BBC West African Relay, Monrovia, 9555
10.	Dan Henderson, Maryland	167	145	ZBW3, Radio Hong kong, 3940 kc/s
11.	Alan H. Roth, Connecticut	166	151	Voice of Goa, Goa, 15380 kc/s
12.	Marlin A. Field, Michigan	163	147	Mt. Nyeri Regional, Kenya, 6170 kc/s
13.	H. L. Chadbourne, California	161	144	O.R.T.F., Réunion, 4807 kc/s
14.	Gregg A. Calkin, New Brunswick	155	138	ZNB, Mafeking, Bechuanaland, 5900 kc
15.	Serge C. P. Neumann, Texas	145	136	Radio Fort-Lamy, Tchad, 4904 kc/s
16.	Victor C. Jaar, P. Q.	145	3	AVROS, Parimaribo, Surinam, 15465 kc
17.	René Chicoine, P. Q.	142	131	Radio Nouméa, New Caledonia, 7170 kc
18.	Charles Orekar, California	142	114	Rhodesian Being Corp, 3306 kc/s
19.	Bruce W. Churchill, California	137	111	Radio Nepal, Kathmandu, 4600 kc/s
20.	Edward C. Shaw, California	137	106	Radio Tarawa, Gilbert & Ellice, 4912.5
21.	Bert Brummel, Holland	136	79	Radio Kinshasa, Dem. Rep of Congo 9775
22.	Bill Flynn, California	---	135	Radio Luckapunya, Victoria, Aust. 7850
23.	Fred K. Baines, Nova Scotia	135	132	Radio France Asie, Saigon, 9524 kc/s
24.	Art E. Glover, Washington	133	113	Grönlands Radio, Godthåb, Greenland
25.	William A. Matthews, Penna.	131	112	Radio Feyk-E-Iran, 11695 kc/s
26.	Don W. Billingsley, California	131	102	Radio Cook Islands, Rarotonga, 5045
27.	Del Hirst, Texas	129	88	VRH10, Suva, Fiji Islands, 9715 kc/s
28.	Ray Fansler, Illinois	127	84	Radio Rwanda, Kigali, Rwanda, 6055 kc
29.	William Via, Maryland	126	102	S.I.B.S., Solomon Islands, 3995 kc
30.	Bruno Colapietro, New York	123	111	O.R.T.F., Réunion Is. 2246 kc/s
31.	William F. Eddings, Penna.	120	103	DZB2, Philippines, 3345 kc/s
32.	Danny Douglas, Virginia	119	79	Male Cineco Radio, Maldive Islands
33.	Robert R. Getman, Wisconsin	111	83	Radio Rabaul, New Britain, 3385 kc/s
34.	Gary Mickle, California	109	87	Radio Mauritania, 4855 kc/s
35.	Mike Kamp, Texas	108	38	Malawi Broadcasting Corp, 3380 kc/s

NASWA-FRENDX

SHORTWAVE CENTRE

JUNE 1968

36. Sheldon Chorney, New York	108	81 Radio Tahiti, Papeeté, 11825 kc/s
37. Mike Finigan, North Carolina	108	79 Radio Nouméa, New Caledonia, 7170 kc
38. Richard D'Angelo, New York	108	60 Radio Afghanistan, Kabul, 15265 kc/s
39. Alex T. Frimm, Missouri	106	77 Radio Zambia, 3346 kc/s
40. Bob Hagerman, Michigan	106	70 Rhodesia Bcing Corporation, 3306 kc/s
41. César Objío, Dominican Republic°	104	24 Voice of The West, Lisbon,
42. John L. Sgrulletta, New York	99	90 VSI35, Turks & Caicos Islands, 8000 kc
43. Rick Charnes, New Jersey	98	68 Radio Pakistan, 9915 kc/s
44. Mike Macken, Massachusetts	98	41 VOA, Poro, Philippines, 11730 kc/s
45. Mike White, Michigan	98	30 Voice of Free China, 17720 ka/s
46. Jim J. Howard, Missouri°	95	75 Radio Réunion, 3360 kc/s, 1½ kW
47. Danny Jamison, Virginia	95	41 VLK3, Port Moresby, Papua, 3925 kc/s
48. Art A. Poulis, Massachusetts	92	70 Radio Papeeté, Tahiti, 11825 kc/s
49. George Schnabel, New York	89	59 Radio La Cruz del Sur, Bolivia, 4985
50. Ralph Perry, Illinois	88	65 Radio kabul, Afghanistan, 15265 kc/s
51. Christopher Lobdell, Connecticut	88	52 DZF2, FLBC, Philippines, 11920 kc/s
52. Jerry L. Green, Virginia	87	74 Radio Yaoundé, Cameroun Rep., 4982.5
53. Andrew Pappas, Illinois	85	70 XEWW, Mexico, 9515 kc/s
54. John Zaharek, Connecticut	82	73 Bamako, Mali, 4835 kc/s
55. Charles Artiss, Michigan	81	70 Radio Guarani, Brazil, 6175 kc/s
56. Keith Kwiecien, Nevada	80	79 Radio Australia, Melbourne
57. Ronald Engelbrecht, Missouri	80	65 Hanoi, North Vietnam, 15044 kc/s
58. Steve Kamp, Texas	79	60 Radio Nouméa, New Caledonia, 7170 kc
59. Stanley F. Cabral, California	79	26 Radio Cook Islands, Rarotonga, 5045
60. Norman A. Jacobson, Wisconsin	78	64 Radio Tahiti, Papeeté, 11835 kc/s
61. Bruce Reynolds, Missouri	76	67 Tashkent, Uzbek S.S.R., 9600 kc/s
62. Robert H. Bedwell, California°	76	47 Suva, Fiji Islands, 3280 kc/s
63. Steven Cohen, Connecticut	76	44 Ibadan, Nigeria, 3204 kc/s
64. Stanley C. Mayo, Maine	75	71 Radio Rabaul, New Britain, 3385 kc/s
65. Clarke Thacher, Indiana	74	50 VLT4, Port Moresby, Papua, 4890 kc/s
66. John L. Osborne, Ontario	73	58 Radio Baghdad, Iraq, 6095 kc/s
67. John Mraz, Pennsylvania	73	56 ABC/VLT4, Port Moresby, Papua, 4890
68. Thomas D. Walsh, Massachusetts	73	22 Voice of Free Korea, Seoul, 15430 kc
69. Michael Silverstein, New York	70	46 BBC Ascension Island Relay, 11820 kc
70. Charles Rasin, New Jersey	69	69 Hanoi, North Vietnam, 11760 kc/s
71. Don Precosky, Ontario	69	51 Radio Sénégal, Dakar, 7210 kc/s
72. Michael Larkins, New Jersey	69	49 All India Radio, 15375 kc/s
73. Barry Deal, Nebraska	69	46 Cairo, U.A.R. Bcing Station, 17690 kc
74. Walt B. Fair, Texas	68	28 Radio Quito, Ecuador, 4923 kc/s
75. Jim Thornton, California	67	62 All India Radio, Delhi, 9575 kc/s
76. Andrea F. Rugg, F. C.	67	60 VLX9, Perth, Australia, 9610 kc/s
77. Harry Smith, Ohio	67	56 VLT4, Port Moresby, Papua, 4890 kc/s
78. Thomas Martin, New Jersey	66	54 Cotonou, Dahomey, 4870 kc/s
79. Dan Trigilio, Connecticut	66	6 Austrian SW Service, Vienna, 9775 kc
80. D. J. Weber, Ohio	65	58 Springbok Radio, Faradys, 6150 kc/s
81. Bruce Ted Goldman, New York	65	49 TGNA, Guatemala City, 5955 kc/s
82. Alan I. Raylesberg, New York	65	45 Radio Togo, Lomé, 5047 kc/s
83. Jerry M. Stuart, Oklahoma	64	55 Radio Tahiti, Papeeté, 11825 kc/s
84. William G. Caldwell, California	64	51 Radio Américas, Swan Island, 6001 kc
85. Marty Kane, New Jersey	63	39 Radio Yerevan, Armenian SSR, 17880 kc
86. Don Herbert, Pennsylvania	62	37 Radio Australia, Melbourne, 16820 kc/s
87. Bob Citronberg, New York	61	48 Radio Lomé, Togo, 5047 kc/s
88. Alan Jeeves, Pennsylvania	61	18 Radio Clube do Lobito, Angola, 7175 kc
89. Ed. J. Pyatt, South Carolina	60	50 VLX9, Perth, Australia, 9610 kc/s
90. Doug Edmonds, Iowa	60	38 VLT4, Port Moresby, Papua, 4890 kc/s
91. Bob W. Kirkpatrick, British Col.	59	54 TAU, Ankara, Turkey, 15160 kc/s
92. Gary Wallin, Iowa	59	53 O.R.T.F., Brazzaville, Congo, 15190
93. Louis Janicek, New Jersey	58	50 Radio Pakistan, Karachi, 15090 kc/s

94. Dave Carlson, Missouri	58	49 ELWA, Monrovia, Liberia,
95. David J. Askine, West Virginia	57	38 Ghana Broadcasting Co., Accra, 9545
96. David H. Baltimore, Pennsylvania	56	35 O.R.T.F., Brazzaville, Congo, 15190
97. Douglas H. Wise, Ohio	55	40 VLX15, Perth, Australia
98. Anthony A. Jinkinson, Ontario	53	42 Lisbon, Portugal, 6025 kc/s
99. Michael Baker, Maryland	53	36 VLX9, Perth, Australia, 9610 kc/s
100. Clifford C. Duncan, Saskatchewan	52	46 Radio Budapest, Hungary, 11910 kc/s
101. Allen Abel, New York	52	41 Radio Santa Fé, HJAE, 4965 kc/s
101. Geoff Oates, B. C.	52	41 VLT4, Port Moresby, Papua, 4890 kc/s
103. Bruce Cuthbertson, Ohio	52	16 Radio Euzkadi, Qandestine, 15080 kc/s
104. Charles Gaharan, Louisiana	51	40 Voice of Turkey, Ankara, 15160 kc
105. Henry J. Michalenka, R. I.	51	39 O.R.T.F., Brazzaville, Congo, 15190
106. Richard Kessler, Massachusetts	51	38 VOA, Ioro, Philippines, 15060 kc/s
107. Leo Boggus, Georgia	50	23 W.I.B.S., Grenada, 11970 kc/s
107. Rudolph Menna, Pennsylvania	50	23 Radio Ghana, Accra, Ghana, 11850 kc/s
109. Alvin Sizer, Connecticut	50	20 N.H.K., Tokyo, Japan, 17825 kc/s
110. Greg Barman, Illinois	50	9 Radio Voice of the Gspl, Ethiopia
111. Mrs. Dennis C. Ehn, Massachusetts	49	45 Radio Sénégal, Dakar, 4890 kc/s
112. Larry Zamora, Texas	49	42 Radio Américas, Swan Island, 6000 kc
113. Charles Rizzo, New Jersey	49	18 BBC Far Eastern Relay, Malaysia, 11725
114. Mark Mitchell, Michigan	48	40 Kol IsraëI, Jerusalem, 9009 kc/s
115. Kevin Brown, Michigan	48	20 Deutsche Welle, Kigali, Rwanda, 17765
116. W. L. Reed, Kansas	48	10 ZL21, Wellington, N. Z., 15110 kc/s
117. Gordon Schiff, Illinois	47	25 ELWA, Monrovia, Liberia, 15155 kc/s
118. Lou M. Kurdziel, New York	47	22 Radio Nederland, Hilversum, 15425 kc
119. Thomas Daly, New York	46	24 Radio Ghana, Accra, 6110 kc/s
120. Trev Burke, British Columbia	45	42 Lisbon, Portugal, 9635 kc/s
121. Bob Zobot, North Carolina	44	33 YVMQ, Barquismeto, Venezuela, 4990 kc
122. Bruce Klemens, New Jersey	43	36 VLX9, Perth, Australia, 9610 kc/s
123. J. R. Mappin, Washington	43	20 VE9CS, Vancouver, B. C., 6070; 2½ w.
124. Audie Kaufman, New York	42	35 Transmisora Caldas, 5020 kc/s; 1 kW
125. Ken Sedlacek, Nebraska	42	17 Radio Ghana, Accra, 6110 kc/s
126. Michael Chezosky, Pennsylvania	42	12 Cairo, U.A.R., 9475 kc/s
127. Glenn Hauser, Missouri	42	1 WRUL, N.Y.C., 15440 kc/s
128. Steven R. Russell, Maryland	--	41 Radio Malgache, Tananarive, 15270 kc
129. Tom Miller, Missouri	41	39 Voice of Free China, Taiwan, 17720 kc
130. Steve Wood, Indiana	41	14 E.T.L.F., Addis Ababa, Ethiopia 11920
131. James Pollak, Connecticut	40	35 Radio Japan, Tokyo, 15135 kc/s
132. Bob Chaffee II, Pennsylvania	39	16 W.I.B.S., Grenada, 11970 kc/s
133. Donald Anthony, Connecticut	39	15 Radio Japan, NHK, 15135 kc/s
134. Bob Spieler, New York	38	33 Kol Yisraël, Jerusalem, 9009 kc/s
135. Dave Dominey, Oklahoma	38	29 W.I.B.S., Grenada, (St. Georges)
136. Scott C. Moeller, Pennsylvania	38	18 I.C.R.C., Geneva, Switzerland, 7210 kc
137. John De Smith, Minnesota	37	25 Voice of Free China, Taipei, Taiwan
138. Ray C. Standish, Ohio	37	24 Radio Norway, Oslo, 11735 kc/s
139. Larry Hastie, Texas	37	15 Cairo, U.A.R., 9475 kc/s
140. Bob Wigelsworth, Ontario	35	31 Radio 4VEH, Cap Haitien, Haiti
141. Robert McClain, California	35	25 VLQ9, Brisbane, Australia, 9660 kc/s
142. John T. Soneff, Louisiana	34	31 -----
143. Mark Mohrmann, New York	34	28 Radio Reloj, Costa Rica, 6208 kc/s
144. Norman Perdue, California	34	24 Radio Ghana, Accra, 4915 kc/s
145. Chris Kennedy, Maryland	33	24 WOFQ, Taipei, Taiwan, 17720 kc/s
146. Al Rasmussen, New Jersey	31	15 Radio Tirana, Albania, 7265 kc/s
147. Leonard A. McWilliams, California	31	10 YDP6, Djakarta, Indonesia, 9865 kc/s
148. Chris Stark, Nova Scotia	30	25 Kol IsraëI, Jerusalem, IsraëI
149. Ken Lyon, New York	30	24 Radio Lebanon, Beirut, 11965 kc/s
150. Steven Kruse, Illinois	30	12 BBC South Atlantic Relay, 6110 kc/s

151. Brian Goedke, Illinois	30	15 Radio Nacional de España, 11800 kc/s
152. Michael J. McPherson, Iowa	29	16 Radio Sweden, Stockholm, Sweden
153. John Ostrowski, Connecticut	29	14 Radio Cairo, U.A.R. Being, 9475 kc/s
154. Philip Wanat, Spain,	28	19 Radio Portugal, Lisbon, Portugal
155. Ken Hildreth, Illinois	27	22 N.H.K., Tokyo, Japan, 15135 kc/s
156. Michael Mochizuki, Hawaii	27	17 S.B.C., Berne, Switzerland, 9655 kc
157. Robert E. Fallona, N. H.	25	20 Radio Kiev, Ukrainian SSR, 9660 kc
158. John Semeneck, Alberta	24	8 Deutsche Welle, Köln, G.F.R. 11945
159. Thomas Rosalanko, New Jersey	23	6 Radio Peking, China, 15060 kc/s
160. Gary A. Galo, Vermont	22	13 Radio Tirana, Albania, 7265 kc/s
161. Dwight Breeden, Tenn.	21	18 Cairo, U.A.R., 12005
162. Fred Bacon, North Carolina	21	13 Radio Australia, Melbourne, 11710 kc
163. John A. Beggs, New Brunswick	20	12 S.B.C., Berne, Switzerland, 6120kc
164. Henry G. Jordan, Georgia	20	11 W.I.B.S., Grenada, 11970 kc/s
165. Dutee R. Yaghjian, Massachusetts	20	10 Radio Peking, China, 9760 kc/s
165. Warren Davis, Maryland	20	10 VLX9, Perth, Australia, 9610 kc/s
167. James W. Wasson, Pennsylvania	16	11 Radio Norway, Oslo, Norway, 25730 kc
168. Jim Eller, Virginia	13	11 Radio Australia, 17640 kc/s
169. John Carson, Pennsylvania	10	7 Radio RSA, South Africa, 11875 kc/s

QSLs RECEIVED

ALBANIA: Radio Tirana, 7263, folder-type card with Albanian flag and data on reverse. Received in 4½ months. No IRCs (Boggs, Georgia)

ALGERIA: RTA, Algiers, 9510, card, sked and rpt forms in 7½ wks airmail. 2 IRCs. Full verie data (Zaharek, Connecticut)

ANGOLA: Radio Clube de Angola, 4867/9628, beautiful card in blue/white with drawing of African continent and jungle photo. 6 wks airmail (O'Connor, N.J.) letter, promising card de Manuel de Albuquerque e Castro, Presidente da Direcção. 2 wks (Wood, Hawaii)

Radio Diamang, 11687, card on f/up in 49 wks, but only 7 days in airmail transit. V/S: F. Simons (Dexter, Wisc.) 10 months also on 2nd try (Field, Michigan)

ARMENIAN SSR: Yerevan, regular plain card, p/card, sked by registered airmail in 2 months. (Calkin, N. B.)

ASCENSION IS: BBC S. Atlantic Relay, w/regular BB card via London in 2 months average. Location typed on back. No data (Kruse, Ill; Rasin, N. J; Zamora, Texas)

AUSTRALIA: VLX9/VLW9, 9610 kc/s, Perth, w/card featuring map of Australia, sked and form letter seamail in 2½ months. Full data. CRCs sent (Beggs, N.B.) 1½ months (Rodau, N.Y.) 1 month VLW9 (Kamp, Texas)

AZORES: MN, Ponta Delgada, 4865 w/very handsome full color card with DX Club info in 3 months via Lisbon. 1-IRC (Colapietro, N. Y.)

BONAIRE: Radio Nederland relay, 9590/15220, card airmail and verie info complete. IRC. Photo of Radio Nederland (Hilversum) bldg (Mayo, Maine) showing "drainage windwills" in 3 wks. No IRCs (Rodau, N. Y.)

TWR, folder-type card, religious tracts etc in 1 month for 9605 (kruse, Ill.) 40 days for 11820 (Fogel, Pa) 10 wks (Brown, Mich) 9 days for 9695 from Julius R. Silupper (Barmen, Illinois)

BRAZIL: Radio Aparacica, letter; card in reply to taped rpt from José Dinsy, International Correspondence Chief (Schnabel, NY)

Radio Globo, 11805, colorful and decorative card in 3 wks seamail. Full data. 1 - IRC sent (Orekar, California)

Radio Cultura de Goiaba, 5055, letter, card by registered airmail in 3 wks. V/S is Padre Wanir Delfino Cesar (Dexter, Wisconsin) 5 wks; SASE sent (Field, Michigan)

Radio Feira de Santana, 4765 kc/s, letter, pennant by registered airmail. V/S: Fr. Agatangelo De Crato (Peters, Illinois)

BULGARIA: Radio Sofia, card, sked and rpt forms, plus questionnaire in 4 months. Very colorful photo card of Sofia. (Beggs, N. B.; Brown, Michigan)

CAMBODIA: RNK, 5006/9695, letter in English from Lin Sainvar, Manager. Mint stamps sent. 3 months (Billingsley, Calif) 5 weeks; no frequency data (Field, Michigan)

CANADA: CBC Int. Sce, card in 11-15 days airmail. Full data (kruse, Ill; Chaffee, Pa) CJCX, 6010, card in 15 days surface mail. Mint stamps sent. (Michalenska, RI) CHNX, 6130, card in 5 wks from Halifax, N. S. (Colapietro, N. Y.) CFRX, 6070; card from Clive Eastwood. Full data. No IRC (Schnabel, N. Y.) 1 week (Zamora, Texas) 6 days (Zaharek, Connecticut)

CANARY ISLANDS: RNE, Tenerife, card airmail in 1 month for 11800/15360 kc/s. It features list of stations, plus photo. V/S: Juan de Rojas. IRC (Goedke, Ill) QSL says reports should be sent to relay, not Madrid (Zamora; Texas) 101 days; rpted in Eng. (Rodau, NY)

CENTRAL AFRICAN REP: Bangui, 5035, OCORA card in 155 days airmail. IRC (Chicoine, FQ)

Ceylon: VOA, Colombo, 7275/11835, card surface in 1-2 wks. No data (Jacobson, Wisc) data and xmtr location only (Kamp, Texas) V/S: Opal Lau

CHILE: Emisora Cooperativa, 9700, personal letter in Spanish plus pennant. By airmail in 2 months from: Gustavo F. Silva, Locutor (Field, Michigan)

CHINA: Radio Peking, 15060/16060, card, propaganda, and "Red Book" (a \$.50 value. hi GAC) No verie data. 2 1/2 months seammil (Zamora, Texas) 5 days (Fogel, Pa) 77 days (Cohen)

CLANDESTINE: Cali Phong Radio, Vietnam (NLF station) w/letter from Prague in 5 weeks V/S: Phao Van Chuong. Came airmail with full data, asking for reports including CI ni details, in English. IRCs sent (Field, Michigan) Very Good Oil (GAC) Radio Espana Independiente's address is given in SCDX as Box 359, Praha 1, Czechoslovakia. Any confirmation of this? (GAC) Radio Buzkadi, now w/card for 15080v/13250 kc/s. 9 1/2 months (Pappas, Ill) 135 days (Mayo, Maine) 70 days; No IRCs (Rodau, NY) 43 days (Sparks, California) See QSL OF THE MONTH, for a view of this card (GAC)

COLOMBIA: La Voz de los Caras, 4795, letter in 7 months after f/up. V/S: Sr. Marcelo Nevarez F., Gerente-Proprietario (Dexter, Wisconsin) Ondas del Mota, 4885, letter in Spanish and pennant after f/up. V/S: Gabriela Gantiva, secretaria. 23 days (Dexter, Wis.) 18 weeks (Kamp, Texas) R. El Sol, Cali, 6140, letter in Spanish from Fernando Franco Garcia, Director in 24 days (Roth, Connecticut) La Voz del Centro, El Espinal, 6095, letter from J. A. Yara Villarreal. 4th letter and pennant from this station for same rpt, from Indiana some 2 yrs ago. Each time I send them a thank-you p/card for it, they sent me another. Could go on forever (Wood, Hawaii) 16 days airmail (Sparks, California) Transmisora Caldas, HJFW, 5027, letter and new pennant from Ignacio Escobar Uribe, Gerente. Airmail in 16 days. (Wood, Hawaii) 9 days (Reynolds, Mo.) R. Sutatenza, 6075, card seammil in 7 wks. Folder card in Spanish/English. QSL statement with date only. 2 IRCs (Cohen, Connecticut) R. Nacional, 4955, letter and sked airmail in 21 days, in Spanish. V/S: G. Pinzon. IRCs sent (Jinkinson, Ontario)

CONGO (DEM REP OF): Lubumbashi, 11865, card in 6 wks by registered mail. IRC (Sparks)

CONGO REP: ORTF, Brazzaville, 4795/15190, card airmail w/full data in 28 days. 2 IRCs Used NASWA French form (Michalenska, RI) 2 months (Burke, B.C.) card detailed, plus sked. in 5 wks seammil via Paris (Wood, Hawaii)

COSTA RICA: Radio Casino, 5954, verie letter and pennant in Spanish by airmail in 3 wks. Returned 2 IRCs, rpted in Spanish (Padilla, Australia) 15 days (Mayo, Maine) 1 month (Zamora, Texas) 6 wks (Reynolds, Mo) 1/2 weeks (Zaharek, Connecticut) La Voz de la Victor, 9615, letter, 2 pennants, many p/cards and visiting card by special delivery airmail. V/S: José Chipson, Colaborador (Wood, Hawaii) TIFC, San José, 9645, card/sked and religious info in 16 days airmail. 2 IRCs. Result of a f/up on a 1966 report (Thornton, California)

CUBA: Habana, 15340, card showing island and radio antennae, w/pictures of stamps from various world areas. 2 1/2 months. No IRCs (Rodau, NY) card in blue; 2 1/2 mos (Brown, Mich)

CZECHOSLOVAKIA: Prague, 7345, sent 4 separate cards for 4 rpts in February, plus letter in 3 1/2 wks. Full data. No IRCs (Caldwell, Calif) attractive blue-white-red card & sked airmail. (Perdue, California) Yellow card, LA Club info 4 wks (Brown, Mich; Jordan, Ga)

DAHOMY: Cotonou, card including sked in 3 weeks for 4870 kc/s. Full data (Burnett, California; Schnabel, N.Y.) Mint Stamps sent (Billingsley, California)

DENMARK: Radio Denmark, 9520, colorful card in 2 wks, "Denmark Calling" and personal letter and tnx. V/S: S. Jackson. No IRCs. Full data (Caldwell, Calif) 3½ wks (Brown)

DOMINICAN REPUBLIC: RTV Dominicana, 6090, card in 24 days. 3 IRCs (Burnett, Calif) w/ "Direccion General" stamp; gives date only (Mayo, Maine) 91 days, card in Spanish (Rodau, NY) terrible excuse for a QSL from Universal Being Corp, "exclusive agents for HISD". Printed on back of US p/card in 2 months--(Reynolds, Mo.) 9505, 56 days airmail. Mailed in USA. 2-IRCs (Thornton, California)

HIN, Sto. Domingo, 4912, card & letter from Olga B. de Catrain in 12 days airmail. (Wood, Hawaii) 3 wks after 4th rpt. SASE sent (Field, Michigan)

R. San Juan, 3375, Span/Eng card in 19 days airmail. V/S: Mr. Gonzalez, Director. Rpted using NASWA Spanish form. Full data (Kamp, Texas)

ECUADOR: HCJB, monthly card of hydroelectric plant in 25 days. V/S: H.J. Jacobsen. Sked sent too (kruse, Ill) sent donation (Field, Michigan) 3½ months (Brown, Michigan)

Radio Quito, 4923, letter in English from Leonardo Fonce M., Gerente; also pennant in 27 days (Roth, Conn) 3½ months after f/up (Kamp, Texas)

ENGLAND: BBC, 15260, regular BB card, W.R.Club info and sked in 8 days (Ried, Kansas)

ETHIOPIA: ETLF/RVOG, 4" x 7" card, blue with white printing w/personal note on reverse. V/S: is the Head of the Audience Relations Office. 2 months seaimail (Sia, Hawaii)

3½ months (Zamora, Texas) 39 d (Cohen, Conn) V/S: B. Svenson. Full data (Smith, Ohio)

FINLAND: Finlands Radio, Helsinki, 15155 kc/s, card and sked airmail in 83 days. Full data (Cohen, Connecticut) 3 months, card features map of Finland, 15185 (Burke, B.C.)

FRANCE: ORTF, Paris, 11805, card seaimail in 50 days. IRC sent; full data (Kessler, Mass)

G.D.R. Radio Berlin International w/photo card series of famous GDR sports personalities. Personal letter from: Paul Lindner and pennant also often sent (Beggs, N.B., Caldwell, California; Brown, Michigan; Macken, Mass) Also sent 45 rpm copy of GDR National Anthem after I commented on the beauty of the signature tune (Calkin, N.B.)

G.F.R. DW, Köln, 9640/11945, card airmail in 6 wks. IRCs sent; full data. V/S: Thiele (Beggs, N.B.) 9 days (Perdue, California) 4½ wks (Brown, Michigan)

SDR, Mühlacker, 6030 kc/s, card in 6 wks airmail. Full data; IRCs (Field, Mich)

VOA, München, card by Washington in 9 days w/usual no data QSL (Colapietro, NY)

Radio Liberty, 15340, card in 10 days airmail. 2 IRCs (Field, Michigan)

GHANA: Accra, 11850, card seaimail in 13 wks. No IRCs (Radula, Australia) 43 days w/full data; sked and letter also rcvd (Soneff, Louisiana)

GILBERT & ELLICE IS. G&E Being See, 4912.5 w/form letter in 3-5 wks airmail from Tarawa. 2 IRCs; date and freq only (Orekar, and Churchill; both California)

GREENLAND: Grønlands Radio, 5980, QSL-folder text in English and picture of radio-house. V/S: B. Knogh (Roth, Connecticut)

GUATEMALA: Radio Chortis, 3360, personal letter, pennant and stamps in 2 wks by registered airmail. V/S: Albino Gomez, Director. SASE sent (Field, Michigan) NY

TGNA, 5955, card airmail in 10 wks. V/S: J.S. Holland. No IRC (Silverstein/

GUYANA: Radio Demerara, 5980 sends card airmail in 25 days. Date & frequency given.

V/S: Mrs. F. S. Bowen. 2 IRCs sent (Reynolds, Mo.)

HAITI: 4VEH, Cap Haitien, 11835, card and sked seaimail in 6 months. IRC sent. V/S: Mrs. Kent Ragsdale. Full data (Burke, B.C.)

Radio Lumière, QSL letter in 3 wks for 6100. 1-IRC (Colapietro, N.Y.)

Radio Grand Anse, 5090, letter in French from Alex Felix in 13 days airmail.

View card also rcvd. Full data. Unsure if IRCs valid, so sent \$1.00 US. (Peters, Ill)

HONDURAS: HRVC, 4820, card from Sally Erickson, Sec'y; & mimeo letter from Ron Youngs in 13 days airmail. Used NASWA Spanish form. IRCs sent: (Michalenka, RI; Roth, Conn. Upton, Texas;) 3½ weeks (Reynolds, Missouri) 9 weeks, card & letter w/info on Honduras by airmail. Complete data (Hagerman, Michigan)

HONG KONG: RHK, 3940 kc/s, card w/beautiful photo of Hong Kong in 11 wks seaimail. 2 IRCs sent; gives frequency only (Orekar, California)

HUNGARY: Budapest, 9833, clue card and listeners magazine "Budapest International" in 2 months. Full data. IRCs sent (Brown, Michigan; Beggs, New Brunswick)

INDIA: AIR Bombay, 4840, card and personal letter in 124 days seaimail. V/S: Y. D. Amdekar, Asst. Station Engineer. Date/freq. & verie statement (Churchill, Field)

AIR Hyderabad, 4800, letter and p/p/card in 15 days from V. Seshachary. They returned my IRC (Sparks, California)

AIR Calcutta, 4820 kc/s, card airmail in 5 wks. 3 IRCs (Field, Michigan)

AIR Gauhati, 4775, card airmail in 5 wks. 3 IRCs (Field, Michigan)

AIR Madras, 4920, beautiful card in 5 wks airmail. (Field, Michigan)

AIR Delhi, 9575/15080, card airmail in 3-5 wks. Card shows color photo of Purana Qila (Old Fort) in Delhi. Full data; IRCs (Jamison, Va; Thornton, Calif who sent f/up) 6085, (Field, Michigan)

INDONESIA: RRI Palembang, 4855, w/letter in 7 wks from S. Poedjono, B.A. (Peters, Ill)

RRI Semarang, Djawa, 3955, w/detailed letter in Indonesian for rpt in same language from Stuarjo, kepala Studio. By airmail in 3 wks (Wood, Hawaii)

IRAQ: Bagh ad, card airmail in 38 days for 6095; card is yellow/blue w/verie message in German, English, French. Map of Iraq on reverse (Cohen, Conn; Schnabel, N. Y.)

ISRAEL: Kol Yisraël, Jerusalem, 7189/9009/9625/9725; card, letter and sked from Eileen Hyman, Asst to the Director and shows pics of antennae. Time 5-14 weeks. Full data (Rodau, N. Y., Kane, N.J., Mienna, Pa; Jacobson, Wisc.) 1st rpt from Hawaii (Wood, Hawaii) pennant sent too (Hagerman, Michigan)

ITALY: RAI, Rome, 9575, card in 8 wks seaimail. Full data (Spieler, N. Y.)

IVORY COAST: Abidjan, 6015, card in 45 days w/full data. Card is 7½ x 3 ¾". (Burnett, Calif) 3 wks; mint stamps sent (Billingsley, Calif)

JAPAN: NHK, Tokyo, 17785, card, p/card of station, prog sked and monthly log sheet by airmail in 10-13 days. Date and frequency given; IRC sometimes returned, noting it was not necessary. Card shows mt. Fuji (Michalenka, R.I., Smith, Ohio) 10 wks (Brown, Mich)

JORDAN: Radio Amman, 11810, sent picture p/card of Russian Orthodox Church in 20 days airmail. Full data; no IRCs (Lobdell, Mass) scene of "Hisham's Palace" for 9557. Says further reports would be appreciated. V/S: Director-General (Padula, Australia) 44 days, shows "Star of Bethlehem". Full info (Jacobson, Wisconsin)

KAZAKH S.S.R. Alma Ata, 10530, card airmail in 2 months via Moscow. Stamps sent & data is complete (Billingsley, California)

KOREA (NORTH): Usual card from Pyongyang for 7580. 11 wks; newsletter too (Padula, Aust)

KOREA (SOUTH): VOFK, Seoul, 15430, card in 3½ months (Smith, Ohio; Schnabel, N. Y.) also rpt form, sked in 15 wks airmail. Glossy, photo card in blue/gold (Hagerman, Mich)

KUWAIT: Radio Kuwait, 9520, colorful card in 24 days airmail. Rpted by tape via registered mail. (Hirst, Texas) 5 wks; 4 IRCs (Peters, Ill) 2 wks after f/up (Dexter, Wisc) 1 month (Orekar, Calif)

LATVIA: Riga, pennant and card for 7140 airmail in 5 wks from rpting. Also sent booklet about Latvian SSR (Padula, Australia)

LEBANON: Radio Liben, Beirut, card w/full data and official station seal for 11785 kc in 5½ weeks. IRC (Fogel, Pa) has color drawing of broadcast studios. Registered mail (Edmonds, Iowa)

LIBERIA: ELWA, 11950/15155, card airmail in 28-42 days. Full data. IRCs sent (Wood, Hawaii; Baltimore, Penna; Elliott, Indiana; De Smith, Minn.)

VOA relay, 7195. 7135, plain card 1st class from Diane Schott. Xntr location given. 14-22 days (Michalenka, RI; Brown, Michigan; Kruse, Illinois)

LITHUANIA: Vilnius, 11970, card/sked and p/card seaimail in 9 weeks. No IRCs. Full data (Smith, Ohio)

LUXEMBOURG: Radio Lx, CLT, 15350, card airmail in 1 month showing towers and coat of arms. Full data; No IRCs (Orekar, Calif) 6 wks for 6090, IRCs (Field, Michigan)

- MALAYSIA: BBC/FES, BB card via London in 5 weeks. FES typed on card. No verie info; for 15435 kc/s. Returned the IRC (Poulis, Mass; Jamison, Va.) 3 months for 11725 kc. (Colapietro, NY) from Mrs. V.R. Pressman; 15 days for 7120 (Thornton, California)
- MALI: Radio Mali, 4835, card in 1 month seamail. 2 IRCs; full data (Zaharek, Conn.)
- MARTINIQUE: O.R.T.F., Fort de France, 3315, French letter in 3 weeks. IRC sent; V/S: H. J. Dupre. (Orekar, Calif) 9 days; mint stamps sent (Churchill, California)
- MAURITANIA: Nouakchott, 4850, card and personal letter in French by airmail in 23 d. V/S: Andre Marill. Used NASWA French form - so impressed Marill that he wants now to correspond with me. hi Also sent stamps to Mme Marill; which was appreciated and resulted in long letter and prompt reply (Churchill, Calif) 4851, 2 mos, letter which asks for stamp collectors names (Colapietro, N. Y.)
- MAURITIUS: MBC, Forest Side, 4850, detailed card in 3 wks airmail (Wood, Hawaii)
- MEXICO: Radio Universidad, San Luis Potosi, 6045, card showing interior of Univ., verie info in Spanish. V/S: C. Martine Bravo, Dir. No IRCs; by airmail (Caldwell, Calif.)
- MONACO: Norea Radio, 9525, w/letter in Norwegian from Oslo Hq. V/S: Sigboern Spikkeland Technician, 2 weeks airmail (Wood, Hawaii)
- TWR, folder for 7295, 10 wks along w/pennant, sked and relig. lit (Macken, Mass)
- Radio Monte-Carlo, 7135, card airmail in 3 months, 10 days. Date/freq given; 5 IRCs sent. (Pappas, Ill) 7½ wks; 2 IRCs (Zaharek, Connecticut)
- MONGOLIA: Ulan Bator, usual card, sked of English pgms and letter confirming 7260 kc/s. Via registered airmail in 5 weeks from reporting. No IRC (Padula, Aust) 6 weeks from the Foreign Broadcasting Department (Wood, Hawaii)
- MOROCCO: VOA/Tangier, card surface mail in 1 wk from Washington (Mitchell, Michigan; Weber, Ohio; Mraz, Pennsylvania)
- MOZAMBIQUE: Radio Clube de Moçambique, 11780, p/p/card type in 23 days airmail. Freq. only (Poulis, Mass) 12 days; No IRCs (Reynolds, Mo.)
- NETHERLANDS: Radio Nederland, 6020 (10 kw), card airmail in 5 wks. Full data (Peters, Ill) 11730, card with studio photo airmail in 3 wks (Beggs, NB); Benelux DX Club card only in 5 wks (Brown, Mich) 9715, 22 days (Soneff, Louisiana)
- NEW CALEDONIA: Nouméa, card in 60 days w/complete technical data (Burnett, Calif.) for 7170 kc a card, plain but full details. 7 weeks; 2 IRCs (Colapietro, N. Y.)
- N.Z. Radio NZ, Wellington, card, tiki pin, sked, travel info in 41 days from J. L. Hartstonge; by airmail (Jamison, Va.) 11 wks seamail. IRC sent (Machen, Mass) 4½ mos. (kamp, Texas)
- NIGER: Radio Niger, Niamey, 3260, cards in 4½ & 6 wks airmail for same report. SASE sent w/rpt (Field, Michigan)
- NIGERIA: Voice of Nigeria, 7 days airmail. Sked from H. Foote; IRC sent (Jinkinson, Ontario) 75 days including pamphlets on Nigerian-Biafran war (Macken, Mass.)
- NORWAY: Radio Norway, Oslo, colorful card featuring old Gent smoking pipe plus sked seamail in 2 months. Full data (Standish, Ohio) 15 days airmail (Mochizuki, Hawaii) 2½ months (Zamora, Texas) 6 wks for 21730/21655. (Peters, Illinois)
- PAKISTAN: card in 116 days airmail for 11875; Freq and time given. No IRCs (Burnett, California) 15342, 59 days seamail. V/S: Masud Qureshi (Pappas, Illinois)
- PAPUA: VLT4, Port Moresby, 4890, ABC regional card in 19 days airmail. Gives address as Box 1359, Boroka, Port Moresby. Full data (Michalenska, RI; Reynolds, Mo.)
- Radio Daru, 3305, standard folder on a f/up. 10 wks seamail. V/S: F. C. Pennington (Dexter, Wisconsin)
- PERU: Radio Nac. de Peru, Tumbes, 9550, letter and beautiful pennant in 29 days air mail. Verification data complete (Chicoine, P. Q.)
- Radio Nor-Peruana, 9655, letter in Spanish by registered airmail and a beautiful banderín - 10" long and 6" wide showing map of Peru in yellow and green. 1 month is everyone's average. V/S: Manuel Muñoz Ch., Gerente. SASE sent (Field, Michigan) Mint stamps sent (Sparks, California) QSL letter mentioning fellow DXer Bill Sparks in Calif (Schnabel, N.Y.) invites more reports (Chicoine, P. Q.)
- R. Pucallpa, 9578, letter from Conrado del Aguila R., Administrador and fine pennant and stamps, airmail in 4 weeks (Wood, Hawaii)
- R. Union, 6115, very cordial letter in Spanish airmail definitely verifying my

reception. Mint stamps sent. V/S: José Espinosa Gasco, Director-Gerente. 6 weeks. (Billingsley, California) 25 days after 2nd rpt (Kamp, Texas)

PHILIPPINES: VOA, Poro, 15345, card surface mail in 5 days from Opal Lau (Peters, Ill) FEBC, Manila, card & sked, calendar, religious literature, averaging 1 month. IRCs welcomed. Full data (Baltimore, Pa; Fappas, Ill; Mochizuki, Hawaii; Foulis, Mass) 47 days (Hraz, Pa.)

POLAND: Warsaw, 9675 kc/s, complete map set of 7 cards airmail. No IRCs; full data. (Goldman, NY) 1 month (Mrs. Ehn, Mass) 12 wks, and Polish magazine (Kane, NJ) 76 days airmail (Hraz, Pa) 33 days airmail (Soneff, La.)

Polish Pathfinders Broadcasting Station, 7305 kc/s, w/card seamail in 2 mos. Date only given; 2 IRCs sent (Peters, Illinois) Very good, Frank (GAC)

PORTUGAL: Radio Safari, 11840 kc/s, card by airmail direct in 2 weeks. V/S/ R. Ginbey IRCs sent (Beggs, N.B.) 6025, 61-2 days; full data; IRCs (Weber, Ohio; Cohen, Conn; Zaharek, Conn)

Radio Free Europe, 15115, card seamail in 9 days. Date/Freq; no IRCs and sent to NYC office (Precosky, Ontario)

Radio Portugal, card, sked, rpt forms and DX Club info. Cardis large variety with Portugese exploration routes indicated. Time varies from $\frac{1}{2}$ to $3\frac{1}{2}$ months (Mayo, Me; Pollak, Conn; Spieler, NY; Bacon, NC; Beggs, NB; Anthony, Conn; Ferdue, Calif)

RHODESIA: RBC, 3306, card w/grazing gazelle and Salisbury St. Scene in $2\frac{1}{2}$ months seamail. Full data. V/S: J. P. Murchy, CE (Orekar, Calif) 13 days (Chicoine, P. Q.) R.S.F.S.R. Moscow sent card for 9660. Had thought location was Minsk, but note from Moscow says they will not divulge Xmtr locations. Drew a blank (Calkin, N. B.)

SABAH: Radio Malaysia Sabah, 4970, card showing map of Malaysia w/coat of arms. 1 wk. V/S: Peter Pragas. Full data. (Orekar, California)

SENEGAL: Radio Sénégal, 4890/15115, card seamail in 1-3 months. Can be rpted in either English or French (S. Kamp, Texas; Fadula, Australia; Hraz, Pa; Thornton, California)

SICILY: Caltanissetta sent card via Rome for 9515 in 1 month. Very attractive card; mint stamps sent (Calkin, N. B.) 3 months airmail; IRC (Field, Michigan)

SINGAPORE: Radio Singapura, 9635, card/letter in 8 wks airmail. V/S: G. O. D'Souza. 5 IRCs; simply verified my report as correct; no data (Matthews, Pennsylvania)

S. AFRICA: Springbok Radio, 4945/4965, card and sked 2nd class airmail; IRCs sent (Brummel, The Netherlands; Weber, Ohio) also personal letter from Leo Van Der Walt promising tape of South African music. Full data (Matthews, Pennsylvania)

R. RSA, card, sked and magazine "RSA Callin" in $\frac{1}{2}$ -3 months. (Jinkinson, Ontario; Sia, Calkin, Brown) 25 days for 11875 (Goedke, Illinois)

SOUTH YEMEN (REP OF): SYBS, 5060, personal letter in 43 d airmail from the CE, C. E. Hughes. Mint stamps sent. QSL statement; no data (Churchill, California)

SPAIN: Radio Liberty, 15225, card seamail in 34 days via GPR. Full data; IRC (Chicoine)

SUDAN: Sudan Being Sce, 9508, form letter from Mohd El Obeid for Senior Controller in 4 months after f/up. (Wood, Hawaii)

SWITZERLAND: I.C.R.C., 7210, card, rpt forms for the balance of the year etc by airmail in 11 days. V/S: G. Penard. IRCs sent (Weber, Ohio; Michalenka, RI; Schnabel, NY)

SYRIA: Damascus, 15160, letter and sked in $1\frac{1}{2}$ months. 2 IRCs. Full data (Rasin, NJ)

THAILAND: Educational Being Station, Bangkok, 6062, letter, all details from Khunying Ambhorn Neesook, Director, Division of Educational Information by airmail in 6 mos.

First QSL from this station? (Wood, Hawaii) First I know of Richard; Congrats (GAC)

TURKEY: R. Ankara, 15160, card, sked airmail in 3 months. Full data (Gaharan, La.)

TURKISH SSR: Ashkhabad w/card via Moscow airmail for 4825. No signer, but rpt sent to Mrs. Eugenia Stepanova of NA Sce w/IRC and N.A. Sce report (Calkin, N. B.)

U.N. UN Radio, card/sked in 10 days via VYC (Brown, Michigan)

U.S.A. WNYW, 21530 kc/s, card surface mail in 5 wks. No IRCs; full data (Barman, Ill)

VATICAN: Vatican Radio, 9690 kc/s, card in 3 months; 12 days airmail. No IRC (Soneff, La)

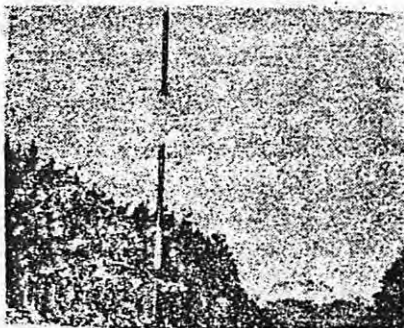
QSL OF THE MONTH

presents

RADIO EUZKADI, LA VOZ DE LA RESISTENCIA VASCA

(CLANDESTINE)

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RADIO EUZKADI — EUZKADI IRRATIA

Date: JUN 7 1967

<input type="checkbox"/> 20.30 GMT	80 KW	<input type="checkbox"/> 23 m. 13.250 KHz.
<input type="checkbox"/> 21.30 GMT		<input checked="" type="checkbox"/> 19 m. 15.080 KHz.
<input type="checkbox"/> 22.30 GMT		<input type="checkbox"/> m. _____ KHz.

"La Voix de la Résistance Basque"

"The Voice of the Basque Underground"

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Basques were a free nation throughout history. Franco's uprising in 1936, assisted by Hitler and Mussolini, crushed the Basques depriving them of the remnants of their ancient freedom. Now under Spanish rule, without elementary human rights. Basques fight under cover to restore democracy in their land.

Les Basques: un peuple uni par l'histoire, par sa langue et par sa volonté de vivre en liberté. Le but de notre lutte est une Euzkadi libre dans une Europe unie en délivrant le peuple basque de la tyrannie.

Although one of the more easy to hear Clandestine stations currently operating on the short-waves, it has only been in the last couple of months that they have been sending out verification cards, as shown above. Previously, listeners were rewarded with form letters, personal letters and/or Basque propaganda magazines only. Further details on this card, duration etc, may be found in the QSLs Received listings. Thanks to Andrew Pappas, of Illinois who contributed this month's QSL OF THE MONTH. Next month, another Clandestine QSL from an even less heard-from station.

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- VENEZUELA: Ondas Portefías, 4790-5, personal letter and pennant in 2 wks airmail. V/S: Rafael Bellorin Malaver. SASE sent (Field, Michigan) V/S/ DJ Hector Gardoza Flores, w/letter in Spanish and p/p/card. 20 Days. (Roth, Connecticut) (Field, Mich)
- R. Bocono, 5010, letter, p/card and info sheet on Bocono by air in 1 year//
- R. Bolivar, Cd. Bolivar, folder-card in 10 days, featuring beautiful pic of the Puente de Angostura. Rpted in Spanish. Freq only given, 4770kc (Via, Md.)
- R. Frontera, 4760, form letter, pennant, sked. V/S: Rodrigo A. Carvajal M., Director, by airmail. SASE sent. Complete verie data (Field, Michigan)
- R. Maracaibo, YVQE, personal letter in 1 month airmail. V/S: Maximo Flores V., Director. QSL statement only. (Field, Michigan) Radio Mundo? (GAC)
- R. Popular, 4810, folder-type card seamail in 2 wks. IRC sent; no QSL data, confirmation statement only. (S. Kamp, Texas)

And with that tremendous listing of QSLs, its 73's es Best DX/QSLs until JULY. GREGG.



LOG REPORT

DEL HIRST, EDITOR
202 BIRCH STREET
SNYDER, TEXAS 79549

Deadline 15th of Month

All times GMT

- 26040 USA VOA/Greenville 1900 Eng to Afr (Mayo) 1830 Eng(Baines)s/off 2215(Padula)
 25790 S. AFRICA R. RSA Church s/e Afrik. Sun. 0800-0950(Padula)1845 Eng nx(Baines)
 25610 USA VOA/Dixon "Mx USA" over R. Ned. IS 1715, long silences; test?(Berghammer)
 21790 S. AFRICA R. RSA 1812 Eng (Mayo)
 21725 USSR New fq. Moscow 2300 Sp to past 0000; 9-10 AM local, shows poss. Siberian
 loc.(Padula)0300 Sp; good all day; loc?(Berghammer)0330 Sp LA (Wood)
 21720 GHANA 1500-1545 Eng to E.Afr //17910, 21545; QRM (Berghammer)
 21700 PORTUGAL Lisbon 1710 Port. to Braz., Cape Verde Is, Port. Guinea, unsked(Palmer)
 21685 E. PAKISTAN Dacca lang s/off 1330 w/good sig (Macken)
 21670 USSR New fq w/Peace & Progress in Chinese 1100 (Padula)
 21640 AZERBAIJAN SSR Baku relay w/Moscow IS 0320, ann. R. Baku in lang (Mayo)
 21640 JAPAN R. Japan when good w/Eng to NA 0200(Lobdell)0130-0330 WCNA(Berghammer)
 21570 HOLLAND R. Ned. 1730 in lang (Baines)
 21565 UKRAINE SSR (Lvov list) R. Kiev 1802 Ukrainian; sked, but not here (Palmer)
 21535 S. AFRICA R. RSA 1745 (Baines)To NZ 1000//17805, 15220(Wood)(Berghammer)
 21495 USSR New fq, poor choice for HS; mixed w/Lisbon 1030(Padula)
 17880 USSR(As.) Khabarovsk relay w/Eng for Pac., 0330; 0325 R. Erevan end Eng (Macken)
 17865 UKRAINE SSR Kiev, n.f. Sun. 0430 Eng to NA//15470(Padula)Tallinn list 19K.(Ed)
 17860 BELGIUM R. Brussels 2000, Fr, pop mx; Eng/Fr/Ger mx to 2100 s/off(Caldwell)
 17860 VATICAN Vatican R. 2300 opening in Port., prob. to Brazil (Niblack)
 17835 PAKISTAN R. Pakistan 0030-0115 Eng to SEA //15359 (Berghammer)
 17820 USSR(Eur.) R'stantsiya Rodina 2000 in lang, ann. "Moskva" 2100 (Mayo)
 17800 POLAND R.Warsaw 2225 Eng s/off of Sat. nite dance mx to Afr (Mayo)
 17790 USSR(As.) Vlad. or Khab. w/R. Erevan 0300-0330 Armenian/Eng T, U, Fri, Sat.
 Which country counts?(Berghammer)Xmtr. country (Ed.)
 17790 S. AFRICA R. RSA 1900 s/on Eng "Calling UK" to 1930 (Caldwell)
 17770 N. ZEALAND RNZ Eng nx 0500 to Australia//15110 to Pac.(Wood)
 17760 SWEDEN 1400-1530, down 10 Kc, 5/5(Berghammer)To ENA(Ed.)
 17705 BRAZIL Rádio 9 de Julho, S.Paulo, world nx 2330, active this fq (Wood)
 17705 CHINA Peking on n.f. w/Eng 0500 (Padula)
 17700 E. GERMANY RBI 1940 Eng to Afr (Mayo)
 17655 EGYPT Cairo w/Eng 1930, fair to good (Pyatt)
 16320 N. KOREA R. Pyongyang, 2300 s/on Sp w/nx (Glassberg)
 15455 E. PAKISTAN Dacca 0100 s/on Eng to W. Pak; also 1500 Urdu; RTTY(Berghammer)ix
 Beng. 0145, Urdu 0200, Eng 0210 (Wood)
 15450 SURINAM Closing Eng req. pgn 0030, ID Surinam EC, Parameribo(Niblack)Not hrd
 since 4/15; RBI now QRM's if still here (Hirst)
 15450 E. GERMANY RBI 0130 Port. to Braz. from 5/5 //11920 (Berghammer)
 15445 CONGO REP. ORTF Brazzaville 0516 Eng nx to Fr ID.0530 (Mayo)
 15445 SWEDEN 2245-2345 Eng/Sw. to FE, repl. 11765; QRM Brazil (Berghammer)
 15438 INDIA AIR, Delhi, Hindi play 0230, drifted here (Wood)
 15430 INDIA AIR, Delhi w/Eng nx 1230 (Lobdell)
 15430 AUSTRIA 0009 multi/lang ID ann. to CA//9770 to ENA (Mayo)
 15380 FRANCE ORTF Eng end 1930, then off; poor to fair (Macken)

- 15370 BRAZIL R. Tupi, Rio, futebol 2350 (Wood)
- 15365 CZECHOSLOVAKIA Prague 0330-0425 Eng to NA//11990, 9630, 9540 (Rowell)
- 15360 MOROCCO Rabat in lingo, new fq., pops, Arabic mx, s/off 2400 (Niblack) Sp. ID 2300, Sp. pgm to s/off w/anthem 2400; sometimes clobbered by WNYW 2350 (Hirst)
- 15360 SWITZERLAND SBC 0130-0230 good to ENA 5/6 (Anderson)
- 15350 CHINA Peking, Cantonese to NA, 0300 (Wood) Unlist WRTH '68 (Ed.)
- 15345 PAKISTAN Karachi 1945-2030 Eng to UK//11885; Eng nx 2005 (Berghammer)
- 15335 BRAZIL R. Farroupilha, Pto. Alegre, ID as "A Farroupilh" 2355 (Wood)
- 15335 PAKISTAN Karachi noted 0130 good lvl in lingo (Niblack)
- 15315 E. GERMANY RBI 0330-0500 Eng/Ger to NA//15190 (Rowell) 0330-0415 to ENA 5/6 (Anderson) Unlist "Summer freq. (Palmer) (Wood) (Berghammer)
- 15310 INDIA AIR, Delhi, w/nx in Eng 0230 by H. (Niblack)
- 15290 SYRIA Damascus, 0000 Sp; 0015 Arabic, good, new fq. (Niblack) 2000 Arabic, under VOA (Berghammer)
- 15280 LEBANON V. of Lebanon, move from 15440 0130-0400 to NASA, Eng 0230 (Rowell) After 5/8 (Lobdell) Eng/Ar./Sp. (Palmer) 0300 Arabic (Berghammer)
- 15275 SWEDEN R. Sweden 0200-0230 to ENA good; 1930-2000, poor, 5/6 (Anderson) 0000-0230 to ECNA replace 11805, 5/5; 40 DB over, het de Haiti (Berghammer)
- 15272 URUGUAY S.O.D.R.E., folk mx 0230; separable Cuba/15270 (Wood)
- 15265 AFGHANISTAN Kabul 1745 Ger., Eng 1800, QRM Moscow same fq. (Niblack)
- 15260 ASCENSION Is. BBC repl. 15140 w/IS relay 2000-0415; avoids Komsoolsk 15140 also to LA this time (Wood) Better here than London was (Hirst)
- 15255 PORTUGAL RFE, Czech s/on 0400, no jamming now (Wood)
- 15250 ROMANIA R. Bucharest 0130 w/nx (Boggus)
- 15245 CONGO D.R. Kinshasa 2215-2300, folk mx, Fr; QRM (Rowell)
- 15235 ASCENSION Is. BBC relay 0605 Eng; to Afr, 0500-0915 sked; Eng (Palmer)
- 15230 CEYLON R. Ceylon BBC WS nx 0200; 0230 ann. Comm'l. svc, pop mx (Layo) Comm'l. Svc. w/QRM 1620; excel. 1645-1700 s/off (Orekar)
- 15200 FRANCE ORTF 0240-0300 s/off Sp. to LA unsked WRTH (Palmer) New fq. to LA s/on 0230 (Padula) //15120? (Ld.)
- 15190 CONGO REP. Brazzaville s/on Fr. 1730 (Callin) Eng nx 1915-1930 ID (Orekar)
- 15190 E. GERMANY RBI 0410-0420 Eng/Ger to WCNA (Palmer) 0330-0415 Eng ECNA//15225, 15315; 5/5 (Berghammer) New fq. Ger. 0415 (Wood)
- 15190 CANADA CBC N. Ser., 0147-0218 in Esquimaux; country mx to 0200 (Palmer)
- 15185 FINLAND Eng and Finnish nx 1805 (Callin)
- 15175 NORWAY Oslo dly in Norsk, Eng ID 2000, mx rpt in Norsk (Lobdell) 1700-1830 s/off, asks for reports (Caldwell)
- 15170 E. GERMANY RBI 0100-0145 good sig. to ENA, 5/6 (Anderson) 0133-0150 Eng/Ger (Palmer) Eng 0100-0145//9730 (Berghammer)
- 15165 SYRIA Damascus 1630-1700 Eng nx & stale hits (Callin) 2000-30, Arabic (Caldwell)
- 15165 CHINA Peking, new fq. in Eng for NA 0300 (Wood)
- 15160 TURKEY R. Ankara 2200 s/on Eng to 2300; erratic (Caldwell) (Michalenka)
- 15150 CHILE R. Corp. Chilena 0130; long absent (Berghammer) 15147, futbol 0030 (Wood)
- 15150 SAUDI ARABIA Jiddah 1700-2245 Arabic, clear when link off (Rowell)
- 15140 ENGLAND BBC13 0000 world nx; not Asc. Is. now (Wood) swap w/15260 (Hirst)
- 15135 IRAN R. Iran 1621 Pers, Russ. 1730, Turk. 1800, Arab. 1830, Fr. 1930, Eng 2000, Pers. 2030-2125; QRM most of session (Rowell) Eng 2000 (Michalenka)
- 15125 TAIWAN WOFC w/Eng pgm 1800 w/ID, good sig. (Orekar)
- 15120 FRANCE ORTF 0230 Sp. to LA new time (Berghammer)
- 15110 MEXICO XERR strg. w/Sp. all day (Pyatt)
- 15105 BRAZIL R. Rural Brasileira nice mx to 2324, start full ID & s/off (Dexter) ID 2315 (Glassberg) Prob. caused MBS move to 15100 (Palmer)
- 15105 JAPAN R. Japan 0405 Eng nx by stumbling ancr; stories of "Vet-nam" (Dexter)
- 15105 INDIA AIR, Delhi, switched from 15070; 0031 (Wood)
- 15100 USSR R. Moscow s/on 0300 Eng; seems to be a regional here also; R. Kiev Eng, other pgm lang 0436 (Layo) Moscow & Kiev both hrd (Palmer) Arabic svc. 1900 (Wood)
- 15100 E. GERMANY RBI 0415 w/Eng to Afr, off 0430 (Padula) 0415-0500 (Rowell)

- 5090 EGYPT Cairo excel. lvl 2148 w/Arabic singing(Dexter)
 15080 INDIA AIR Bombay, relay Delhi 1615-1945 to E. Afr; Hindi 1615, Gujerati 1700, Eng & Hindi 1745-1945 (Rowell)
 15070 INDIA AIR, Delhi, Eng to NEA off 0030; not ann'd. this fq. (Wood)
 15060 CHINA R. Peking 0018, prop. in Eng about B-52's (Roach)
 15015 N. VIETNAM Hanoi 1615 in Vietnamese, 5/2 (Rowell)
 12000 USSR(Eur) Armavir 0220 piano, W. w/exercises; into Russ. mx 0236 (Dexter)
 11948 PARAGUAY R. Encarnacion w/nx 0057, mx, full ID 0116; later requests(Dexter) 0130 ads for Paraguay & Argentina (Wood)
 11925 UZBEK SSR R. Tashkent w/Eng pgm 1400, excel. sig (Sparks)
 11925 CHINA Peking s/on in Indonesian 0900 (Wood)
 11910 HUNGARY R. Budapest 0125, Eng, seasonal change(Niblack) 0040 Eng (Roach)
 11903 INDONESIA R. Angkatan Udara(Air Force Radio) 1120-1140 w/nat. mx, pops, M. ancr, S-7, good mod; crowded(Niblack)Pol. comm. in Indon., & songs; ID & s/off 1400; strg, but hvy QRM (Sparks)
 11900 TUNISIA(Tent.) 0530 Arabic, over SABC (Berghammer)
 11885 ROMANIA R. Bucharest 0130-0230 Eng to ECMA//9510, 11810, 11940, 15250, 15380 from 5/5 (Berghammer)
 11850 NORWAY R. Norway 0330 Nor. lang & mx to 0415, strong (Caldwell)
 11850 GHANA R. Ghana sta. ID 2045 (Baines)
 11846 CHILE R. Cruz del Sur, Santiago, ad for "Banco Central" 0300 (Wood)
 11835 CEYLON VOA/Colombo 1430 Urdu, or sim. lang to 1530 f/o (Glassberg)
 11825 TAHITI R. Tahiti 0450 Tahitian lang & mx, foll. by Fr & Fr IDs (Caldwell)
 11825 TAIWAN BCC 1015 w/tlks to SEA/ANZ, 5/7 (Lobdell)
 11815 JAPAN R. Japan IS, full ID 1700, ann.//9505, 9560, into nx (Dexter)
 11810 JORDAN Amman, s/on Arabic 0330, into call to prayer (Wood)
 11810 INDIA AIR, Delhi w/Eng nx & ID 1400 (Crekar)
 11800 CEYLON R. Ceylon 1640-1730 native pgm (Rowell)
 11785 IRAQ R. Baghdad 0400 Arabic; 0430 Eng ID (Caldwell)
 11780 ARGENTINA RAE, via R. Belgrano, s/on Eng to NA 0300 (Wood)
 11780 N. ZEALAND RNZ w/story 0610 (Boggus)
 11742 CHILE Em. Nuevo Mundo, Santiago, nx 0300 (Wood)
 11740 AUSTRALIA R. Australia w/nx 1705, fair (Dexter)
 11735 MOROCCO Rabat 1800 Eng, US pops (Baines)Rabat dly Eng 1830-1900 (Calkin)
 11725 FRANCE ORTF, Marseillaise, s/off 0300 (Wood)Unsked(Ed.)
 11715 NETH. ANTILLES TR 2100-15 DX Spec, 4/26 (Upton)
 11690 USSR(As.) Petropavlovsk-Kamchatki in Russ. 1915, local ID 1930; QRM(Dexter)
 11600 CHINA Peking w/nx, ann. as R. Vietnam (Baines)
 9859 CHINA R. Peking, 1230 prop., Chin. F. vox (Roach)
 9802 CHINA R. Peking 0325 Eng, new fq, measured (Niblack)
 9775 CONGO D.R. Kinshasa, s/on w/anthem, Fr ID 0300 (Wood)
 9770 AUSTRIA OR 0040-0100, class. mx; single ID w/freq. 0100 (Upton)ID 0300(Wood)
 9768 PERU R. Amazonas, Iquitos, local ads 0300 (Wood)0940 early s/on(Berghammer)
 9755 CHILE R. Soc. Minería 0220, Sp & class. mx(Caldwell)9753, s/off 0400(Padula)
 9720 SWITZERLAND Berne 0445-0615 to WCNA //11715 from 9690 5/5 (Berghammer)
 9720 SENEGAL R. Sénégal 0630 strg in Fr, mostly mx 5/5(Rowell)0615 France Inter (Berghammer) 0700 Fr (Glassberg)
 9713A PERU R. Tropical pop mx & ID, 0400 s/off (Sparks)
 9700 BULGARIA R. Sofia 0050 mx, then nx 0054 (Roach)
 9695 NETH. ANTILLES TR from 9690 Eng 0225-0350(Palmer) Eng 0230 (Donegan)
 9690 VATICAN Vatican R. 0045 bells, then Eng ID (Roach) Apr. (Ed.)
 9690 ARGENTINA RAE w/nice Argentine mx 0640 (Dexter)
 9680 AUSTRALIA VLR9, Melbourne, 0730 speeches in Parliament (Rowell)
 9655 PHILIPPINES VOA/Para 1625-1635 Chin. (Palmer)Now on 11715, or 9615(Ed.)
 9653.5 PERU R. Nor-Peruana, Chachapoyas, drifting, ID 0400(Wood)Sp & mx to 0500 (Caldwell)
 9645 COSTA RICA Faro del Caribe s/off w/anthem 0408 (Wood)

- 9645 PAKISTAN Karachi 1200 s/on Urdu under TIFC (Berghammer)
 9640 W. GERMANY DW 0130-0215 w/nx 0130, 5/6(Upton) 0145 Eng nx (Roach)
 9635 MONACO THR Monte Carlo 1930-1945 Port. (Berghammer)
 9630 CZECHOSLOVAKIA R. Prague 0100-0130 "Mag. of Air", 5/5(Upton) 0400 E. to MA (Wood)
 9625 PERU R. Atlántida Iquitos, romantic songs 0410 (Wood)
 9625 ISRAEL Kol Israel w/Eng b'cast 2000, very good (Baines)
 9620 YUGOSLAVIA R. Yugoslavia, Belgrade 2200-2215 Eng nx, nat., rx into Fr. 2215, strong(Sizer) 0000 s/on Sp. w/nx 4/27(Glassberg) 2200 nx (Boggus)
 9615 COSTA RICA TIFC, LV de la Victor, Sp. rx & ads 0447(Glassberg)0545 (Donegan)
 9610 AUSTRALIA Perth, 1314, nx, rel. pgm. (Roach)
 9610 BELGIUM Brussels w/nice dance rx & good lvl 2249 (Dexter)
 9605 GREECE RFI Athens IS 2300, s/on lingo; bad QRM (Hiblack) Church Sun. 0600A gud lvl(Padula) 2300 flute IS; 2325 TR hvly QRM at s/on (Calkin)
 9540 UZBEK SSR R. Tashkent 1217 prop. in Eng. (Roach)
 9580 AUSTRALIA R. Australia 1130 nx, good (Baines) 1 hr. earlier 1115-1215 to ECNA to compensate for DDT (Pyatt)
 9565 RWANDA DR, Kigali, s/on Swahili 0345 (Wood)
 9555 IRAQ Baghdad, Arabic nx 0400 (Wood)
 9540 CONGO D.R. Lubumbashi 0430 vern. & nx; ID 0502 Fr; Fr. to 0600 (Caldwell)
 9540 CZECHOSLOVAKIA Prague 2300 Sp, new fq, measured(Hiblack) Eng to MA 0330-0425, new (Padula)
 9540 N. ZEALAND ZL2 back here 0615 Pac. Is. Svc; Maori nx 5/12, excel. (Sparks)
 9535 SWITZERLAND "SI Merry-go-round" Sat. nite(EST) good DX info(Caldwell) //11715, 15305 (Ed.) ID 0130, then nx (Roach)5/5;DX on 0200 Tues GET now (Ed.)
 9532 PERU R. Nacional, Tacna, s/off after full ID, anthem, 0410 (Wood)
 9530 S. AFRICA R.RSA 0130 to Canada//others(Berghammer) New, to 0320 (Caldwell) Inaudible between Cuba & Berne(Hirst) 0200 weaker than //9705 (Orekar)
 9530 PHILIPPINES VOA/Para, Viet. w/nx in Eng 1418(Glassberg)Now sited to 0000 (Ed.)
 9530 JAPAN R. Japan 0935, Jap. follow rx (Roach)
 9525 CUBA "V. of Vietnam" is all Havana & a yard wide; not relay; //15285 0210(Hirst) 0108, M&F w/prop. in Eng. (Roach)
 9520 PAPUA N. G. Moresby, ABC, 1045 (Berghammer)
 9520 DENMARK Copenhagen strong in Eng 0145 s/on (Calkin) To 0230 s/off (Caldwell)
 9515 MEXICO LV de América Latina 0200 "Carta Blanca" beer ads (Caldwell)
 9515 TURKEY R. Ankara w/chanting 2030 (Hacken)
 9510 PERU R. América, Lima, now back, ex-9/50; nx for network Q300 (Wood)
 9506 SUDAN Omdurman, call to prayer 0400 (?) (Wood)
 9475 EGYPT Cairo IS 0200, s/on Eng 0201, pgm sked, into pops (Roach)
 9457 CHINA Peking, Cambodian, //8250 but not in SSB, 1200 (Wood)
 9423 CLANDESTINE (assumed China) 1230, V. of People of Thailand, Lao talk on Vietnam, very loud; modulation, tone, strength just like Peking (Wood)
 9418 HOKKAYU IS. VUHO, Deragawa, Korean nx 1230 (Wood)
 9290 CHINA Peking, Eng to SEA 1200 (Wood)
 9009 ISRAEL Kol Israel Eng nx 2115, 5/5 (Sizer)
 8345 CHINA Peking, CPBS, Chinese opera 1240 (Wood)
 8195 CHINA PLA, Poochow, Lao talk 1240 (Wood)
 7300 CLANDESTINE R. Libertad 0230 Sp. (Berghammer)
 7299 CONGO D.R. Ibuji-Mayi, African pops 0515 (Wood)
 7292.5 ETHIOPIA R. Ethiopia, Addis Abeba, Somali talk 0405 (Wood)
 7260 MONGOLIA Ulan Bator 1000 tlls/nx, ID 1030, presumed Mongolian lang.(Padula)
 7215 CLANDESTINE V. of MLF 1030 Vietnamese (Berghammer)
 7200 MALAYSIA R. Malaysia, Malay svc, nat. nx, jammed from 1100 (Padula)
 7195 JAPAN NHK w/Viet. talk, off 1115 (Padula)
 7190 AUSTRALIA R. Australia 1100 Eng to Pac. Isl., 5/11 (Michalenka)
 7185 CONGO D.R. Kinshasa to 0015 w/fr. nx; //4080 to 2315 f/o (Padula)
 7185 E. GERMANY Deutschlandsender s/on 0300 Ger; 5 kW (Berghammer)
 7165 LIBYA Arabic nx, jammed 0530 by RFE jammers (Padula) 0530, Ar. nx, poor(Caldwell)

- 7143 POLAND Warsaw, from 7145 w/Polish 0630; Ital. 2100-2130 into Fr (Padula)
 7140 USSR Moscow w/Ital. to 2128 s/off w/Internationale; Riga list (Padula)
 7139 INDONESIA RRI Ambon, Indon. talks 2145A (Padula)
 7130 DODECANESE IS. VOA/Rhodes, Arabic nx 0400, //6015 (Wood)
 7125 POLAND Warsaw w/nx in Eng 2130 (Padula)
 7125 ALBANIA Ann. R. Tirana 0230-0300 Sp; Eng 0300 ann. Peking; //17795 etc. 10 sec. behind; //9785v, w/ident. RTTY"QRH" (Berghammer)
 7116 CONGO REP. RTC, Brazzaville, Afr. rhythms 0410 (Wood)
 7100 NEPAL Kathmandu, Indian songs 1530 (Wood)
 6190 CHILE Corp. Chilena Bc., 1100 s/on Sp (Berghammer)
 6180 MOZAMBIQUE L-M 0713-0725 Afrikaans, not sked this time here WRTM (Palmer)
 6175 MALAYSIA VoM 1045 Indonesian (Berghammer)
 6170 S. KOREA V. of Hope, ROK Army, Seoul, Korean talk 1250 (Wood)
 6160 COLOMBIA Em. Nuevo Granada, HJKJ 0627-0635 Sp., now 24 hr(Palmer)Excel. w/Sp & mx 0500-0600 (Caldwell)
 6155 AUSTRIA OR, 2400 w/IS, s/on Multi ID, Ger & mx, 5/5(Fogel)0009 Ger(Roach)
 6154 BOLIVIA R. Fides, La Paz, class. mx to s/off 0330 (Wood)
 6145 BRAZIL R. Nac., Rio, s/on 0745 as per WRTM (Palmer)
 6145 NIGERIA/Biafra excel. lvl 2350 in Eng; must be extended sked(Niblack)Eng nx 2330 (Padula)0615 w/tlk & mx; Report returned by P.O.(Boggus)2200 Eng nx strg(Michalenka)
 6130 SPAIN RNE 0300-0330 Eng pgm & class. mx //9760(Caldwell)0120 Sp(Fogel)
 6125 HONDURAS HRQ, 1115 Sp (Berghammer)
 6098 HAITI R. Lumiere 1130 Fr (Berghammer)
 6098 ALBANIA Tirana on weird fq w/Eng under 2055 s/off w/"Internat'le" (Calkin)
 6095 COLOMBIA Voz del Centro, Sp 0400 (Donegan)
 6095 BRAZIL R. Dif. São Paulo 0230-0300, Port. pgm (Caldwell)
 6095 IRAQ Baghdad w/Arabic mx & Ger anmts. 2058 (Calkin)
 6090 LUXEMBOURG R. Luxembourg in Ger 0530, good (Mayo)
 6085 ESTONIAN SSR Tallinn under Munich 2100 IS, Red anthem, For. Svc. IS/ID; suspect is s/off HS & s/on For. Svc.; barely audible (Calkin)
 6070 CANADA CFRX IDing as CFRB 2125 (Fogel)
 6055 RWANDA R.T.R., Kigali, drums 0355 (Wood)
 6045 MEXICO R. Universidad, Potosina, 0250 Sp pgm & mx (Caldwell)
 6045 INDONESIA RRI Jakarta, 1258-1305 Nat. Pgm, HS, sked 1000-1300 (Palmer)
 6045 PERU R. Santa Rosa, Lima, new on SW, mx, poetry, 0300 (Wood)
 6030 W. GERMANY Mhlacker (SDR) 2245 w/songs; also 0700 w/Ger tlk (Padula)
 6030 IRAQ Baghdad 2140 Fr., weaker than 6095 (Berghammer)
 6030 CHILE R. Minería, Talca, 0245 Sp (Berghammer)
 6025 MALAYSIA Kuala-Lumpur 1100 Chinese //7110 (Berghammer)
 6020 USSR(As.) Khabarovsk, relay Moscow ANZ Svc 1230 //6050 (Wood)
 6011 PERU R. América OAXAV, pop mx & ID, 0600 s/off; strg sig thru QRH (Sparks)
 6010 RYUKYU IS. VOA/Okinawa 1310-1320 Korean; Chin. from 1330 (Palmer) 1130 Chinese; jammed (Berghammer)
 6010 EL SALVADOR R. Nac. El Salvador 0454 full ID, mx, & off 0500 (Dexter)
 6005 CANADA CFCX trx trouble, s/off for 45 min 2027(Michalenka)0748 w/mx, ads(Boggus)
 6001 SWAN IS. R. Américas 0415-0530, reg. hrd to 5/5; are they really off?(Caldwell)
 5982 PERU R. Panamericana from 0325 t/i w/nx, IDs to 0346 s/off (Dexter)
 5975 RHODESLA RBC, Cwelo, African svc, Eng DJ show 0400 (Wood)
 5975 S. KOREA KBS, Seoul 1247-1304 Korean, 1st. HS pgm; W. annr & Korean mx(Palmer)
 5970 COLOMBIA R. Horizonte w/mx, I&W ancrs 0255 (Dexter)
 5969.5 PERU R. El Sol, Lima, "la hora en todo el Perú" 0400 (Wood)
 5954 COSTA RICA R. Casino Eng, anti-malaria anmts 0445 (Sizer)
 5320 CHINA R. Peking 1235 Chinese, HS (Palmer)
 5240 CHINA PLA, Fukien 1227-1235 Chin. to Taiwan, Hatsu, Quemoy//5170 et al(Palmer)
 5060 ANGOLA Presume R. Clube do Huambo w/excited football around 2140 (Padula)
 5055 BRAZIL R. Cultura do Cuiabá, ZYX30 w/mx & tlk 0158 tune (Dexter)
 5050 VENEZUELA R. Cultura brilliant w/2 IDs 0205, into nat. Sp (Niblack)

- 5040 BURMA BBS, R ngoon 1210 Burmese & Burmese mx; R&F ancrs. (Palmer)
- 5035 CENT. AFR. REP. Bangui w/Fr. talk around 2145 (Padula)
- 5022 COLOMBIA Transmisoras Caldas good str. 0420; app. var. between 5020-26 (Dexter)
- 5018 PERU (Tent.) R. Juliaca at 0138, weak & QRM (Dexter)
- 5010 PERU R. Eco at good lvl 1409 (Dexter)
- 5010 CAMEROUN R. Garoua, 2135 w/native chanting (Padula)
- 4995 BRAZIL R. Brasil Central, Goiania 0225 Port. & Br. mx, ads; siked to 0300 (Palmer)
- 4994 SUDAN Omdurman 0405 Arabic chants, good; not reg. hrd (Dexter)
- 4985 MALAGASY REP. Tananarive, Malagasy nx 0400 (Wood)
- 4985 BRAZIL ZYZ5, A Voz do Oeste w/sportscast at 0343 (Dexter)
- 4972.5 CAMEROUN R. Yaoundé 2235 w/nat. folk mx, ID 2300 (Lobdell)
- 4930 DOMINICAN REP. R. Hil 0411 many IDs, LA mx (Mayo) 0045 w/Sp. pops (Fogel)
- 4926 FERNANDO POO R. Ecuatorial nx in Sp. from Madrid 2100, into mx 2115 (Padula)
- 4916A VENEZUELA R. difusora Venez. drift here 5/12, ID & 0400 s/off, clear (Sparks)
- 4900 VENEZUELA R. Juventud, 0300 full ID & fq for all outlets (Palmer) Full ID 0250 (Dexter)
- 4897 S. VIETNAM VTVN, Saigon, Vietnamese nx 1100 (Wood)
- 4872 INDONESIA (N. Irian) Sorong 1155 old records, 1200 Indon. nx. (Palmer)
- 4870 DAHOEY Cotonou w/mx sel. 2130 (Baines)
- 4850 MAURITANIA Noted w/nat. chants, Arabic annts. 2115 (Padula)
- 4850 MAURITIUS Despite reports to contrary, IBS still hrd here & on MW too; 1800 w/nx from BEC, off at 1830 (Padula)
- 4845 MALAYSIA R. Malaysia s/on 2200 w/ID, into Malay pga w/nat. singing (Padula)
- 4847 HONDURAS La Voz de San Isidro, R. Catolica fair at 0150 w/lt. mx, s/off 0200; freq. measured (Niblack)
- 4820 ANGOLA Sports event 2245, 5/4 (Padula) R. Angola s/on 0500, QRMed by Piano IS like Numbers Sta. 4883; piano starts 0450-5; if jammer, is effective. (Hirst)
- 4813 UPPER VOLTA Fr. talk 2130, reg. hrd (Padula)
- 4765 CONGO REP. RTVG, Brazzaville w/Afr. mx, Fr. annt, s/off 2200 w/anthem (Padula)
- 3986 NIGERIA New fq. ann. as Nig. Bc. Corp, Lagos in Afr. langs to 2100, nx in Eng to 2115; on top of Berne 3985 (Padula)
- 3300 BR. HONDURAS R. Belize 0300 w/nx; pop mx to s/off; QRM (Lobdell)
- 3280 GRENADA IBS 2345, picked up early (Michalenska)
- 3277 INDONESIA Djakarta at entertainment lvl around 1330 (Padula)
- 3277 INDIA Kashmir; Srinigar w/Indian mx around 1700 (Padula)
- 2850 N. KOREA Pyongyang w/national mx 1130 (Padula)
- 2410 NEW GUINEA R. Goroka well hrd w/nat. chanting at 1135 (Padula)

IDENTIFIED

3322-5 BOUGAINVILLE Definite ID hrd for new sta. R. Bougainville (Wood)

UNIDENTIFIED

11902 Moslem chant 2325, s/off w/band mx similar to R. Tunisia (Rowell) Likewise (Ed.)

THX TO THIS MONTH'S REPORTERS

Doug Anderson, Fla. WR-600, S-38D
 Fred Baines, N.S. 51-S
 Lee Boggus, Ga. SW-4A
 Bill Berghammer, N.Y. SW-4
 Dr. Bill Caldwell, Calif. SW-4E
 Gregg Calkin, N.B. S-108, GR-54
 Gerry Dexter, Wis. HQ-180
 Paul Donegan, Calif. SW-4A
 Martin Fogel, Pa. Eico Spaceranger
 Barry Glassberg, N.Y. HL-230
 Del Hirst, Texas HQ-100
 Chris Lobdell, Mass. SW-4E
 Mike Macken, Mass. SX-100
 Stan Mayo, Me. SW-600 JX-21

Hank Michalenska, R.I. GR-54
 Al Niblack, Ind. SX-100 II
 Chas. Orekar, Calif. HQ-180, SW-4A
 Bob Padula, Australia Marconi B28; ME-230
 Bob Palmer, Wash. HQ-160
 Ed Pratt, Ga. S-120
 Tom Roach, S.C. R-4B
 Sam Rowell, Wash. FC-190
 Al Sizer, Conn. IX-150
 Bill Sparks, Calif. HQ-180
 Tom Upton, Texas GR-64
 Richard Wood, Hawaii HQ-180
 Jubee Yaghjian, Mass. S-120
 COMPTON, BIRTH '68

PERU: An apparently new station from Lima noted on 6045 with nice signals and S/off 0300. IDs as, "Santa Rosa". There is a medium wave R. Santa Rosa, OBYAI, listed as Lima. Can only be heard when skip is short on 49 m, FLASHES Churchill.... Via air-mail Rene Chicoine, Canada, FLASHES that R. Santa Rosa QSLed via letter in 15 days signed by P. Francisco Villena C., O.P., DIRECTOR; and, appreciated the report on their new International outlet.... Is new OCY4H, 6045, 10kW states SwCDers, #967.

RUMANIA: Effective as of May 5, the English language sked to No. America is as follows: 0130-0230, 0300-0330, and 0430-0500, on 15380, 15250, 11940, 11885, 11810, 9590, and 9570 for all three broadcasts. (Menna)

SWAN IS: 6000 (FLASH) A check 5/16, indicates no sign of fabled Radio Americas. Seemingly true to their word and no longer on the air. (Dexter).... Two checks have not indicated that R. Americas is on the air. (Macken) (Rumor has it that R. Americas, apparently a CIA project, is off the air due to lack of funds, possibly. Editor)

SO. AFRICA: 3976.92 Radio So. Africa intercepted at 0450-0500 with a terrific 1000 uv level signal, some ham QRM, new freq. (Mayo).... Some observations on the new service of Radio RSA directed to Australia and New Zealand commenced 5/5: 1000-1050 to N. Z. -21535, 17805, 15220. Best on the latter outlet. 1200-1250 to Australia - 17805, 15220, 11900, same again, best on 15220. (Padula).... Radio RSA to New Zealand 1000-1050 on 21535, 17805, 15220, 11900 via the DX Corner. SABC excellent 0630-0830 with musical program, religious service some days 0800. (Balbi)(15365)

SWITZERLAND: SBC broadcasts to ECNA 0130-0300 on new 15305, paralleling 11715, and 9535; on 11715 and new 9720, to WCNA at 0515-0615, FLASHES Balbi.

TAIWAN: VOFC, Taipei, heard at 1800 in English on 15125, 9685, 9765, 11725, 11825, and 17890. (Murray)

THAILAND: 7.115 Bangkok in HS good level almost daily around 1000, and 11910, with English S/on at 1025. Better frequency is being clobbered by HCJB, 11915. (Hall).... Ministry of Education station is showing up on 6062 with fair signals around 1300. Some QRM after 1300, news broadcast at 1301. S/off at 1400 as listed in WRTH. (Churchill)

TAHITI: Papeete has climbed to 20/S-9 level around 0600 when has a clear channel. S/off at 0800, with anthem, all in French. (Hall)

USSR: Radio Moscow Italian transmission noted on 7140, 2100-2130 S/off with the Internationale. Strong signals here and daily heard. Riga? (Padula)

VIETNAM(NO): Hanoi now using 11840 again, as well as 11753 and 9760, but reception quite erratic on the 1000 and 1300 xmissions; 11840 seems jammed. Incidentally, a nice QSL direct for these frequencies. (Hall)

VIETNAM(SO): Saigon, 7175, now quite strong from 1000-1030 almost daily, with amateur QRM frequently thrown in. (Hall)

SAUDI ARABIA: The Arabic speaker that has been noted on 11900 for several weeks that climbs to fair level sometimes by 2300 has definitely been heard with the ID, "Arabia Al Secoudia". Is a new frequency. S/off comes shortly after 2330, sometimes running till 2338A. (Niblack)

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 5-4-68

1-122 2-108 3-93 4-96 5-89 6-85 7-79 8-82 9-94 10-104 11-95 12-83 13-60
14-96 15-110 16-114 17-91 18-63 19-53 20-63 21-64 22-68 23-50 24-48 25-64
26-50 27-57 28-82 29-71 30-96

MEAN—81.0 (Friend Grady Ferguson)

PREDICTED—May-109 JUN-110 JUL-110 AUG-109 SEP-108 OCT-107

ERRATUM: Mike Macken says his last months quotes should have read: MALAYSIA, 15435; MINSK, 15150.

ACKNOWLEDGEMENTS: August Balbi, Calif.. Rene Chicoine, Canada.. Lt. Bruce Churchill, Calif. .. Ray Fansler, WA9UET, Ill.. Grady Ferguson, No. Car.. Bob Fisher, Calif.. Art Glover, Wash.. Dr. F. Earle Hall, Mass.. Del Hirst, Tex.. Mike Macken, Mass.. Stanley Mayo, Maine.. Rudolph Menna, Penn.. Bill Murray, Oregon.. Al Niblack, Indiana.. Serge Neuman, Tex.. Bob Padula.. Australia.. Al Rasmussen, N.J.. Rod Williams, Ga.. Swiss Beasting Corp.. Sweden Calling DX-ers.

OUR THANKS TO ALL. PLEASE KEEP THE REPORTS COMING: SEE YOU ALL NEXT MONTH. AL.