



"THE SWBC JOURNAL" OFFICIAL PUBLICATION OF THE

NORTH AMERICAN SHORTWAVE ASSOCIATION

MARCH 1971

NASWA HEADQUARTERS

POST OFFICE BOX 989

VOL.X NO.3

ALTOONA, PA. 16603 USA

"YOU GOTTA HAVE HEART!"

Every now and then, seldom, yet often enough, we receive a letter(s) from a member, old or new, experienced or beginner, voicing displeasure with seeing the Hdqs section of bulletins containing editorials or other writings which, in the main, dwell on other than DX subjects/matters. These are editorials or writings pertaining to or dealing with what we term the 'heart' of the club or hobby.

It would appear that there are those in our ranks who consider our bulletins should be void of anything that is not directly concerned with strict DX type materials/matters. That we should omit editorials, etc., which touch on "inner qualities" of members. That photo pages are a waste, use up space better given to DX subjects.

While it goes without saying that we respect the right of these dissenting members to express their opinions, we would also say that they seem to fail to apprehend the real and the true purpose of our bulletins. We are a club, not a commercial organization! We are joined together, not only as fellow DXers, but as friends! Therefore, any editorial or what have you, dealing with cooperative measures, friendship idioms, 'heart', are all well purposed and are beneficial for the club, if not the all of the hobby. Any club or any individual which permits or succumbs outside factions of today's world guiding his club/hobby interests, is, to say the least, "something else".

To those who have sent the mentioned criticizing letters, and to every member of NASWA, mark this....It has always been the policy of present Hdqs to promote our club motto in every feasible way; It shall continue to be our policy!!! 98% of our bulletin pages each month are devoted to DX; A mere 2% to Hdqs, which, in ways and at times, dwells on non-DX subjects/matters. Sum totally, 100% efforted, not only for the 'head' of each member, but also for the 'heart'.

In conclusion; Suffice it to say that if for any reason, any member is displeased with the policy of present Hdqs., he has but to ask for refund. If due, it will be sent via return mail, expediently! NASWA does not care to have those members who lack 'heart'!!! Fortunately/thankfully, this applies to only a very small minority!

....Bill Eddings

(If after reading the foregoing, and if you "get the message" and approve, we would be most appreciative were you to show support by sending in, if you have not already done so, a snapshot or small photo to be used in our photo pages. Doing so is one sure way of proving your friendship in NASWA and fellow members. Another sure way is to report to one/some of the DX sections each month. Either/any way you look at it, it is support that keeps the club operating and the bulletins continuing. Keep FrenDx tops. Support!

NEW MEMBERS, WELCOME!!!!

Richard H. Brown, Chestertown, Maryland. Via PE Communications Handbook.	William F. Reynolds, Depaw, New York, Via PE Communications Handbook.
Francis L. Scott, Eden, New York. Via PE Communications Handbook.	Serge C.P. Neumann, Pendleton, Indiana. Via member August Balbi.
Forester W. Isen, Jr., Annapolis, Maryland. Via PE Communications Handbook.	Rick Charnes, Worcester, Massachusetts. Via World Radio-TV Handbook.
Harmon L. Barnard, Jr., Downers Grove, Ill. Via Todd Graves/'SWL Guide' NewsLetter.	Joseph W. Czapp, Watchung, New York. Via PE Communications Handbook.
Bruce Green, Toronto, Ontario. Via World Radio-TV Handbook.	Paul D. Lynch, APO San Francisco. Via PE Communications Handbook.
Deny Koerner, Los Angeles, California. Via World Radio-TV Handbook.	Alan Buschmann, Port Washington, Wisconsin. Via ANARC/Assn. of NA Radio Clubs.
Kenneth G. Kabza, Tampa, Florida. Via World Radio-TV Handbook.	Charles S. Tower, Jr., Auburndale, Mass. Via PE Communications Handbook.
Robert M. Gant, Jr., Carlisle, So. Carolina. Via PE Communications Handbook.	Leonard A. Johnson, Tupelo, Mississippi. Via PE Communications Handbook.
Duane Gettings, Toledo, Ohio. Via PE Comm- unications Handbook.	Bob King, LeRoy, Minnesota. Via RadioToday/ Hank Bennett.
Robert B. Seymour, New Stanton, Penna. Via World Radio-TV Handbook.	Vernon F. Westphal, Ontario, California. Via PE Communications Handbook.
Chris Gutzler, Aurora, Illinois. Via new Communications World.	Jim Leloudis, Raleigh, No. Carolina. Via member Bill Coleman.
Wesley Huggins, Raleigh, No. Carolina. Via CIDXC/Canadian International DX Club.	Mitchell Lewis, Raleigh, No. Carolina. Via PE Communications Handbook.
William J. Schultz, Johnstown, Penna. Via Communications World.	Jerry K. Blake, Fort Wayne, Indiana. Via PE Communications Handbook.
David W. Krysty, Wheeling, West Virginia. Via PE Communications Handbook.	Alistair Faulds, Galt, Ontario. Via Comm- unications World.
William W. Baldwin, Tierra Verde, Florida. Via Communications World.	Matthias J. Cobbin, Maywood, California. Via World Radio-TV Handbook.
Sam Feigen, St. Laurent-Montreal, Quebec. Via PE Communications Handbook.	William C. Bryant, Gibson City, Illinois. Via PE Communications Handbook.
Gregory Rosenblatt, Cressona, Penna. Via ANARC/Assn. of NA Radio Clubs.	Andrew H. Schlabach, Middlefield, Ohio. Via Communications World.
Robert L. Grieser, Littleton, Colorado. Via Denver Post/Glen Hauser.	Thomas Lawry, Jr., Shreveport, Louisiana. Via PE Communications Handbook.
Robert J. Koziomkowski, Amsterdam, New York. Via Electronics Illustrated.	Kevin Kepes, Pittsburgh, Pennsylvania. Via R. Nederland "NA DX Report"/Glen Hauser.
Rob Poage, Brooksville, Kentucky. Via World Radio-TV Handbook.	

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YOUR ATTENTION PSE!

Be sure to note the deadlines as specified in each section. These are the dates by which reports should be received by the section editors so as to be included in current bulletins. Kindly observe these dates when reporting; It helps the editors and it benefits all members. Late reports are, in most instances, of no worth in that they are too outdated if held over for the following edition of bulletin. So please have your reports to the editors before or no later than deadline dates which you see specified/given in heading of sections. Ur cooperation will be most appreciated. Tnx!

RENEWALS

Second year: Steven Handler, Robert Bowman
Third year: Bill Jack, Tony Smitka, Terry Adkins, Bernard Pellet, Bill Migley, Don Evans, Meredith Porter.
Fourth year: Kim Elliott, Charles Orekar, Sara Stillman.
Fifth year: Grady Ferguson, Rene Chicione, Bruce Churchill, John Mraz, Les Nichols, Sara Stillman.
Sixth year: Warren Nordgren.

(NOTE: Members joining or renewing after the 15th of month will be listed in the next months bulletin. Thank you!)

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BEST OF THE SWBC COMBO'S! NASWA AND FRENDX

VIA OUR BRAZILIAN AMIGOS

We were very pleased to receive, and here make known, a most cooperative and friendly offer from Robert Veltmeijer, Brazilian DX Club International. No doubt there are many SWLs and DXers who will take advantage of it, and well they might. Pse read carefully!

"To make it easier for DXers trying to listen to stations in Southern Brazil, we put the following service to the disposal of all DX and/or SWL clubs no matter where they may be located.

1. Information concerning reception of SW stations in southern Brazil.
2. List of the most important SW radio stations operating in this region.
3. Model of a reception report in Portuguese, to be copied and sent to Brazilian stations.
4. Assistance in obtaining QSLs from these stations, especially from the ones in Sao Paulo area.

Information can be given in English, German, French, Spanish, Italian, Dutch or Portuguese at choice. Requests can be sent in any one/all European languages, but replies will be sent only in one of the seven languages mentioned above. To cover airmail costs, please send TWO (2) IRCs with each request for reply.

We kindly ask you inform all your DX friends, via your club bulletin, of this service so that more and more will hear our stations and obtain their QSLs."

Robert Veltmeijer
Brazil DX Club International
Largo do Arouche 418 Apt.56
Sao Paulo (3) Brazil S.A.

NASWA members taking advantage of this service/offer, be sure to mention that you are a NASWA member and read of it in "Frendx". Mayhaps it will gain us some new members!!

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HAPPY HOBBYIST

"My family and friends think I am 'way out' but I do indeed enjoy the sport of tracking down 'wild and wooly' interval signals, if only to find they are of Canada or Cuba. My little rx (Panasonic) and I have discovered Cairo, The Vatican, Sofia and even traveled to Columbia, S.A....all while everyone else here at my QTH watched the same old stuff, as usual, on the 'boob tube'. I love my hobby! While perhaps HCJB is to me just as marvelous as some fellows 160th QSL is to him, I am happy. I'm just a beginner, but I wont always be. Frendx is great and I find it a big help." Pauline Eynon, Ohio

ON THE MOVE

Since coming back from oversea's, Serge C.P. Neumann and Glenn Hauser have moved again. Present QTHs are now given as follows: Serge C.P. Neuman, RR4, Box 252, Anderson, Indiana 46011. Glenn Hauser, PSC Box 42309, Kelly AFB, Texas 78241. (Serge is now back in civilian clothes, but Glenn still wears AirForce blues. Both however, are active in clubs and hobby, thus they want their old and new friends to know addresses. A real good show of the NASWA motto!)

FEW REALIZE - FEWER CARE!

As all of you know, Ed Shaw took over the publishing chores the past three months, but what most of you dont know/care, is that he did so under adverse conditions. Ed was in hospital last August/September for hypertension. He was put on some experimental drugs that quite effectively made his blood pressure drop to controlable level. His left kidney is 88% efficient. He is on a strict diet and occasionally is not very palatable. When he works hard he gets 'spells'. (While he wont reveal it openly, he was not in best of health when he came to the fore the past three months!) If you think thats not enough, cogitate this....Even though he has been on active duty as a Navy career man for 15 years, he is now limited to land, will never go to sea again. To an 'old salt', that hurts! You wont find many men/friends like Ed, neither on land nor sea; So here's another sincere thanks to him for his help/heart! If you have not already done so, why not let him know you care. Even just a postal card will do! And in csae you dont have his address, it is...415 North Shore Road, Norfolk, Virginia 23505. Write today. Be sure he will appreciate it. Tnx! B.E.

COME AND GET IT!!!!

At long last we can now supply interested members with original club stationary. It is made available only due the many, many requests from you members. Designed and printed by fellow-NASWAer, Ed Shaw (whom you have been hearing much about of late and will be hearing of more!), the motiff is in blue. This is not mimeographed, but is commercially printed! Price is \$1.00 per 50 sheets postpaid. All orders are to be sent to; Edward C. Shaw-NASWA, 415 North Shore Road, Norfolk, Virginia 23505. Make checks payable to him, not to the club. It is requested that you do not send cash!!!! Canadian members should remit via postal money-order only. Overseas members may use 13 IRC's. Get your orders in early! You'll be glad you did. This stationary can be used, not only for penpal purposes, but for letters to stations also. Use of it will not only help you support club, but will, in addition, give it publicity. Order now!

SILLY BUT SOUND!

Following is excerpt from letter sent Hdqs by new member Pat Patterson;
 "Just received my first Friendx. Overall reaction, very favorable. Would like to see more articles on technical subjects like 'How to soup up your receiver', without spending rent money to do it. 'How to build Sneaky Pete, El Cheapo', 'Cop out JoyStik Antenna', for 5 bucks or less! Also 'How to build and erect 100 foot tower', and for less than \$25, natch." (How does this grab some of you technical minded fellows? hi! Any of you care to 'whip up' related features/articles on these subjects? We'd like to have them for consideration to use. Tnx!) Oh yes, and Pat also writes, "60 meterband survey a great help! Would like to see same made of all bands as soon as possible, like yesterday already!" (Watsa D.F.?)

TREAT FOR MALE MEMBERS

The planned 'special' photo page of NASWA female members is now shaping up, should be ready in very near future. One or two of the gals are still hesitant(bashful?) tho' and have not sent pix. Once they do, page will be sent to printer and result is sure to be a delightful treat to all gentlemen (including Charlie Loudenboomer) members in the club. Incidentally, we have plans for other 'special' photo pages in future. Be sure you dont miss a single copy of Friendx!

FELLOW-CLUBS, OLD AND NEW

One of the better and more reliable of the oversea's clubs is the Cimbrer DX Club, P.O.Box 27, 9600 Aars, Denmark. Monthly bulletin is printed in English. A sample copy can be had for one IRC. Membership per year, for NA DXers, is \$3.25 via sea-mail or \$5.00 via airmail. Cimbrer DX-News follows the format of Friendx and makes for interesting reading that will whet the appetite of both new/old SWL's and DX'ers. The Triangle DX Club, 1223 Fairfax Drive, Raleigh, North Carolina 27609, is a new/young club organized by number of NASWA members in/around Raleigh, N.C. Presently there is no dues charged, but to receive monthly bulletins, you must send SASE for each copy. Info and sample bulletin may be had by writting given address. Be sure to enclose SASE(self addressed-stamped envel.)

(Please note! While we are ever willing to give mention to any/all clubs, we are not to be held responsible for any lack of response or cooperation therefrom. We give mention of them in good faith and usually at their request. It is up to them to tkae it from there. "Unity and Friendship!")

WHY WE WORKERS* WORK!

*The editorial staff puts in many an hour every month; What makes us morethan happy to do so is appreciation/thanks both shown and given by members. Here is a good show of point: "As a new member of NASWA, I am pleased with my decision to join. Monthly Friendx bulletins are probably the best and most useful/helpful item I have yet come across for helping me. As a beginner in the hobby, I appreciate any/all help I can find, and as I said, Friendx is extremely that. I hope to soon be able to add my contributions to sections, particularly the Log and QSL pages. Thanks from a new member to a great staff who is doing fine job!" (Harmon L. Barnard, Jr., Illinois)

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To some of you, the foregoing may seem to be trivia, but to section editors, it is not. They do monthly tasks sincerely and without glory, monetary pay. It is thus that letters from members par above, rcvd so seldom, are most appreciated. While you never find any of the editors asking for thanks, but requesting support, why not express your gratitude anyhow? A few extra words, next time you send report to any of them, will be heartily received. B.E.

MEET YOUR FELLOW MEMBERS



BILL FLYNN



WILLIAM CONNER



ALAN JEEVES



TOM JONES



JOHN ZAHAREK



DICK CLARK



GLENN HAUSER



JERRY HERSHOVITZ



MITCH KETCHERSID

(Turn next page for info/data on NASWA members here shown. Have you sent your pix yet?)

MEET YOUR FELLOW MEMBERS!

1. Bill Flynn, Mt. View, California. Been a DXer on and off since 1947. Am still a happy DXer and bachelor at age 39. Am salesman of electronic components to industrial and governmental customers. Receivers: Hammarlund HQ180A and Nordemende GlobeTraveler. I use Joystick, Murch 86D and longwires antennas. Have verified 163 SWBC countries. Been with NASWA for three years. Am also ASWLC member wherein I edit QSL column for bulletin and serve as BODer.
2. William Conner, Allentown, Penna. A recent newcomer to NASWA, Bill is unmarried and is a college Prof.(teaches Spanish and French). His receivers are a Drake SPR4 and a Collins 75S-3C. Antenna is a dipole. Although interested in SWLing for a number of yrs. (former member of late URDXC) he is just beginning to collect QSLs and has total of 20. Teaching foreign languages, Bill finds the hobby gives him added dimention. The snap he sends us was taken during recent trip to Europe...this one in Spain.
3. Alan Jeeves, Washington, D.C. A junior at George Washington U., I am single. In my fifth year with NASWA. Receivers are a Hallicrafters S118 and a Nordemende Globe Traveler. Antennas are a window screen and a longwire. Have veried 23 SWBC countries so far. My main interest in hobby is SWLing in order to better understand and appreciate the many varied international viewpoints.
4. Thomas E. Jones, Benson, Minn. I am single and manage Bel-Mac Angus Farms. Receivers are Drake SW4A and Realistic DX150A. For antennas I use a Mosley SWL7, 200' dipole and 50' inverted L longwire. Am in my 2nd year with NASWA, have been an SWL for 2 years and QSL'd 52 SWBC countries to date. My main interest in hobby is to DX as many countries as I can and listen to 'happenings' around the world.
5. John Zaharek, Torrington, Conn. Industrial arts is my vocation. I am married (31 yrs) and have a son and daughter. Been with NASWA for five years. My receivers are a Realistic DX150A and Lafayette HA230. Antennas used are 2 100' longwires, one N-S and one E-W. To date I have verified 84 SWBC countries. Main interest in hobby is SWLing, but I also do some DXing on occasion.
6. Richard Clark, Ft. Lauderdale, Fla. Now in my second year with NASWA, I have been an SWBC DXer for over 10 and a MW, FM, TV DXer for 15. My gear consists on a Hallicrafters SX62A, Lafayette HA600 and Heathkit IB01 freq. meter. Antenna is a 100' longwire for SW (the loop in the pix is for MW!) My favorite stations to DX are the Latin Americans. I enjoy all phases of the hobby, especially meeting other DXers and club membrs.
7. Glenn Hauser, Robins AFB, Georgia. Has been in NASWA for six years and has always been a regular contributor to various sections of Friendx. For a period was on editorial staff. Now in USAF, recently returned from overseas. Has program on Radio Nederland "NA DX Report" and writes a column for the Denver Post. We are not certain about his present monitoring set-up, but whatever, he will use to best advantage.
8. Jerry Hershovitz, Philadelphia, Penna. Married, employed by U.S.Dept. of Haelth, Jerry is a new NASWAer. His receiver is a Panasonic RF5000A. Antenna is built-in. He has been interested in the hobby for sometime and has collected 59 SWBC QSL's to date. Being he works long and irregular hours, he finds SWLing a good way to relax. (Hey Jerry, can the DOH do anything about the 'pollution' of the air waves? Hi!)
9. Mitch Ketchersid, Irving, Texas. From 'Deep in the heart of', little Mitch has the distinction of being our youngest member. He is 11 and a student. Just beginning in the hobby, he uses a Unecla 1914 receiver and 100' longwire antenna. Sez Mitch, "I like the challenge of hearing far away, hard to get countries!" (Good luck 'lil buddy!)

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Our thanks to the above members who were good enough to submit pix...we appreciate em all! Any/all other members are invited to send theirs too. Have your snapshot or photo appear in Friendx, and although we cant promise some movie or TV talent scout might grab you, we can assure you tthat you will make many of your fellow members and friends happy. This is another way to support NASWA! Simply mail your snapshot or photo to HDQ and we will do the rest. There is no pain involved, just a matter of a click! Get it?

TAKE YOUR PICK!

Two of the better and most useful commercial publications we recommed, especially for the new and/or not so advanced SWL/DXer, are 'Communications Handbook' and the newest magazine in the line, 'Communications World'. Following is run down of their contents.

Communications Handbook

Communications World

"All you need to know about getting started in Ham Radio, CB, ShortWave Listening"(the latter edited by NASWA member-Richard Wood) Includes "Buying Guide to SWL and Ham receivers"; Info on WDX registration; Data on DXing the utility bands; Listing of the more prominent DX clubs of the world. Can be purchased at many local news stands or by mail from Ziff-Davis Publishing Co., One Park Ave., New York, N.Y. 10016. Price per copy, postpaid is \$1.70 (It is only fair that we mention this publication is responsible for many new members/DXers joining our club in recent months.)

"All you need to know about ShortWave Listening", it is sub-titled "The Official ShortWave DXers Guide" and is edited by NASWA member- Donald Jensen. Includes info on buying new and used equipment; Data re MediumWave DXing; Listing of the more prominent DX clubs of the world; And the exclusive, complete "White's Radio Log" which contains all USA and Canadian AM-FM-TV stations, plus Log of SWBC stations. Can be purchased at most local news stands or by mail from Davis Publications, Inc., 229 Park Avenue South, New York, N.Y. 10003. Price per copy, postpaid is \$1.40

NASWA recommends either (better yet, both!) these magazines to our members, especially those who are new or not so advanced in the hobby of DXing; Either/both will give you many useful tips, info and data that will add interest, pleasure and rewards that will make your pastime more enjoyable. By the way, Donald Jensen will accept photo's from any all SWL's/DXers for possible content in "Communications World"; They should be sent to him at 5204 70th Street, Kenosha, Wisconsin 53140. In conclusion, best we mention that "Communications Handbook" is published once annually, "Communications World" published semi-annually. If/when ordering by mail, be sure to mention NASWA and 'Frendx'.Thanks!

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NASWA SURVEY

All members are requested to complete and return this form to NASWA Hdqs prior to the 15th April 1971. Your cooperation will be appreciated and we thank you in advance!

Name EDWARD KUSALIK Address R.R. 2 KENT BRIDGE ONTARIO CANADA

Age 21 Married/(circle) Number of years in NASWA 2 How long in hobby? 6

Make/model of your main receiver HAMMARLUND HQ-129X NATIONAL HRO-5-M Antenna ZURICH MODEL 86-D 60 Ft Inverted "L"

To what DX clubs, other than NASWA, do you belong? Electronics Illustrated DX Club RADIO CANADA SW Club

What commercial publications, listed below, do you read/receive regularly?(Check)
 World Radio-TV Handbook Communications Handbook Communications World
 Popular Electronics Elementary Electronics Electronics Illustrated

What is your favorite section in "Frendx" bulletin? QSL Report + ShortWave Centre

What sections, if any, would you like to see added? TECHNIQUES

Are you presently collecting SWBC QSLs? Yes If so, how many different countries have you heard so far(108) and how many have you verified/QSL'd?(92)

On the average, how many hours per week do you spend SWling/DXing? 8 hours

What, if any, is your main complaint concerning our bulletins? (Please, nothing trite!)

(Kindly complete and return above no later than April 15, 1971 in order that we can compile all statistics which we will contain in future edition of "Frendx" bulletin!)

NONRENEWAL-----REASONS

When a member is due to renew membership for another year, he is sent a notice and brief questionnaire. He is requested to complete the latter, return it to Hdqs, if he reasons not to renew. The following then are some reasons given.

"The club is the best for active SWLs and this I am not. Therefore I do not feel my renewing would be justified." (C. Poole)

"Presently am mostly interested in DXing medium wave band." (D. Kenney)

"No longer interested in the hobby becuz my wife is too QRMing." (H. Kirsch)

"School and activities connected take up most of my time." (C. Johnson)

"My receiver is too old and I cant afford a new one." (H. Randall)

(Although the above did not renew, they were good enough to comply with request to return the questionnaire. This is more than the majority of nonrenewing members do.)

WHO????

Who is the oldest member in the club? Who is the youngest member in the club? Who is the editor who has served in same capacity longest? Who is Charlie Loudenboomer?

NASWA TO APPEAR IN BLUE BOOK

The Amrich Press, Bridgeport, Connecticut, has invited/requested information/data on NASWA and Frendx to be used in the next edition of the "Blue Book of Hobbys" a directory that serves as guide and reference book for all collectors, connisours and spare time enthusiasts. Anticipating this may possibly aid the club in gaining more new members, Hdqs accepted the invite and complied with request.

ONE THOUSAND FOR FIFTY

NASWA members interested in obtaining a good deal in name/address labels can do so by ordering from Hdqs. Simply send your name, address, city, state and ZIP, along with fifty cents for each one thousand labels you want. They are gold striped and printing is in black. Only restriction is that copy be limited to three lines, i.e.,

I. Ama DeeXer

99 Antenna Way

Hometown, Anywhere 10001

If ordering, please allow sufficient time for delivery. Hdqs will forward orders to supplier where they will be printed and then mailed direct to you.

PLEASE COMPLETE SURVEY ON REVERSE SIDE AND
RETURN TO NASWA HDQS NO LATER THAN THE 15TH
OF APRIL 1971.

IF YOU DO NOT WISH TO DISRUPT PAGES OF THE
BULLETIN, YOU MAY MAKE FACSIMILIE TO RETURN.

THANK YOU!!

A LETTER FROM A MEMBER

The following is letter received at Hdqs recently. It is here contained as per request of the writer. At conclusion, reply from NASWA Hdqs is also contained.

* * * * *

Mr. William P. Eddings-NASWA
Altoona, Pennsylvania

Dear Bill;

I am a NASWA member and have been for four or five years. I am 51 years old, an accountant by profession, but very much an amateur in SWLing.

I highly resent your remark in the October issue which states "Baloney to those who merely subscribe to bulletins of clubs", etc. You state that we do nothing in the way of reciprocation or giving thanks.

NASWA is the largest club in the U.S.A. for SWLs only - how did we get that way except from members' dues - without which there would not be the excellent Frendx bulletin - there wouldn't even be a club.

I am one of those who has contributed to the mimeo fund, paid two years dues in advance and have every bulletin issued since becoming a member. I quit three other clubs to have time to enjoy NASWA only.

I have a Hallicrafters SX-122, a Regency MR-10 and a Kuhn (going even up to Television range) and a 65 foot long wire antenna 39 feet over ground level over my house - all hooked up to a Viking 88 and an Ampex 1160 tape recorder which go through a McIntosh receiver and JBL speakers; Also I have two special SW time clocks. My entire set-up was installed by a professional and is in perfect working order.

The reason I am your "Baloney" type member is that I don't have the time. I am considered to be successful in my profession and that really takes work and thought.

I became interested in SWLing as a rest-up type diversive hobby. I also work with my own stereo recording, do a lot of off-shore tournament type fishing, and traveling in my trailer. I might not be such an amateur in SWLing if Frendx (or anybody else) would publish a really good course for the beginner in SWLing. The articles you have printed of this nature were so technically written and contained so many strange terms and abbreviations that the beginner didn't get anything at all from them.

NASWA must have many other members in my same situation, and you have made derogatory remarks of the same nature in the past. I think you owe me and my type member (Baloney type) a printed apology and that you should publish this letter as written. (I'll be glad to pay for any extra cost in so doing.)

Sincerely,

H. M. Edwards

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H. M. Edwards
Norfolk, Virginia

Dear fellow NASWA member;

Regarding your letter which I received while in hospital...and which was not exactly "what the doctor ordered"....

It is regrettable that you took offense to the "baloney" bit which was included in recent of my editorials. I can assure you it was not at all directed at members such as you, but to those who, in no way, at any time, ever do anything for the club or the bulletins in way of support or reporting. Those who simply 'subscribe'; Those who regard our Association as publisher of a magazine or etc.

I am well aware of your supporting NASWA in ways other than reports. Too, I can understand your taking the hobby as a diversive pastime, not seriously as certain other of

(cont'd.) our members. There are numerous in our ranks who are in this category, and all are considered "in good standing" because, as you, they give support via other idioms. One thing I should like to point out however, although finances are of the utmost importance for continued operation of the club and publication of bulletins, of equal importance is the support of member reports and articles. Thus, like as you say without finances, there would be no bulletins, no club, so do I say that without the reports and articles, same is true. It takes a combination of the two, finances and the reports/articles, in order a club can operate, produce worthy bulletins!

As to your criticism re certain articles in Frendx being too technical, containing too many strange terms and abbreviations; Majority of beginners take the time to do some 'reading up on, or checking out of' the various terms and abbreviations. A little extra effort on their part and they soon become familiar with them.

Regarding your equipment and your set-up; You are most fortunate and I am certain there are many members who envy you. There are very few which can boast of any so elaborate. Perhaps sometime in future you will send us a photo we can use in Frendx.

In conclusion, I do not feel any apology is warranted. I am however, sorry that you took offense and hope the foregoing will suffice to clear up and explain facts to your satisfaction. I and all NASWA officers as well as editors appreciate members such as you; You are not the "Baloney" type!

So thank you for writing; Your comments, opinions and criticisms were welcomed (I wish more members would take the time to write theirs!) Best of luck, success and SWLing.

Very truly yours,

William P. Eddings-NASWA

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LATEST NASWA AWARD NEWS

NASWA "MAN OF THE YEAR"

Awards Program Chairman-Warren Nordgren, is pleased to announce most recent list of members issued certificate of award: World-wide DXer Award; Tom Eby (100 countries) Bob Tollin, Mario Sala, Thomas Jones, Mike Watman, Charles Wackerman, Richard Walsh, Alan Benson (50 countries). Missionary Award; Alvin Sizer, Craig Koukol. Continental DXer Award; Tom Eby (28 Eur.) Hearty 'congrats' to all!

Hdqs announces a special award/certificate designated "Man of the Year" which will go to that member who is nominated by other members of the club and by majority vote of NASWA BOD. Any member may nominate another whom he considers did the most for the club during a given year. Nomination forms will be sent all members as part of Frendx each December. All members nominated will then be voted on by the BOD and the one getting most votes will receive the award.

GOODBYE FDXI!!

The member selected for the 1970 award is Ed Shaw who not only submitted reports every month, assisted Hdqs in many ways/times, sincerely promoted the club motto, but also took on the burden of publishing bulletins during period the Exec. Editor was in the hospital. His selection was unanimous by vote of NASWA Board of Directors! Sincere and hearty 'congrats' to you Ed. You are our first/original "Man of the Year"!!!

We are informed that the Finland DX Club International, a most friendly and worthy organization which published "Attention" bulletin, has come to an end, ceased all operation. As we understand, this was due the three main officers/editors either lost interest or could no longer carry the work load. If you were an FDXCI member and did not receive info hereto, contact Robert W. Fisher, 4555 W.First St., L.A., CA. 90004.

BELATED BOUQUETS

REMINDER

Dont forget, if you have equipment or something you want to sell, or if there is something you want to buy, let Hdqs know and it will be listed in "Helping Hand Service" column of Frendx. Word will get around! Our bulletins reach far and near, stateside as well as overseas. Take advantage!

'Better late than never!' thus we would like to extend our congratulations to the ASWLC, our 'brother' club which recently celebrated its 11th anniversary. Although it has had its troubles and woes at times, it has always managed to overcome them and to become one of the more worthy/leading DX clubs of today. Continued success ASWLC!

Exclusive

THE LOUDENBOOMER REPORT

Exclusive

Almost invariably, when DXers get together, the talk turns to the so-called problem of how to go about interesting more people in our hobby. A good convention will see any number of brilliant schemes offered to achieve this most noble end.

Let's suppose for a few moments that one or more of these schemes turned out to be a real coup, that it was unbelievably successful, and that after just a few short years, DXing became a major hobby. OK! So now, in the USA alone, somewhere between 45,000,000 and 50,000,000 are DXers. Fantastic!!!

Naturally there is a plush magazine with nationwide circulation just for DXers. It has color photo's, ads for the most 'out of this world' new receivers and services you can imagine. Also feature stories by reporters who are able to go right to the scene and visit stations in obscure places all over the world.

But things have progressed further than that! On TV there is a new series, "The Adventures of Rick Steel, DXer Deluxe". Paperback book racks contain spy novels about super DX hero's fighting the other side in the back streets and alleys of various countries, in their efforts to kill off jamming, locate clandestine stations, and battling the intrigues of cardswappers.

Getting back to TV...with some 50 thousand potential buyers...think what it would do to commercials.....

"Settling back to listen to the Radio RSA DX Show? Light up a QRM 101, regular or menthol, you are sure of satisfaction".

Use S9 deodorant in the new mist spray can shaped like an earphone and your mailman will be all smiles again".

"Take the edge off that fidgety feeling while you are trying to log Tristan da Cunha...take two Bandspred aspirins and spread those aches and pains and nervous tensions so thin you won't feel them anymore".

"DX party in the works? Be sure to have several cases of Old Swapper on hand. Old Swapper is now in the new quick-open throw-away can you can open with a microphone jack. It's just the thing to liven up the party when listening to VOA gets dull".

But think of what such a thing would do to our nation's economy; Bowling alleys theaters and bars would suffer severe losses. Sales of snowmobiles and boats and golf equipment would show sharp drops, eventually meaning a loss of jobs for hundreds.

On the other hand, those thrown out of work would probably get new jobs with the new receiver companies which have sprung up, or those concerns now manufacturing radical new type antenna kits, or publishing new magazines, etc. Or maybe they would be employed by printing companies specializing in complete logs or QSL cards and other needs of listeners; Needs we of today never dreamed would be necessary or available.

And you think there are too many clubs now? We'd have them, from the Allied DXing Club to the Zanesville SW Alliance...and with all the associated ups and downs too. ANARC, as we know it, would no longer have member clubs, but member club associations on a regional basis. What say you to that?!

And throughout it all, there would be the DXers champion, the previously mentioned Rick Steel...not only with his TV series, but a movie or two, some paperback novels offering further exploits, and no doubt he would be in commercials promoting the new GMT DXers wristwatch, giving Spiro some competition.

Oh yes, DXers Digest magazine in their four times yearly sweepstakes would not offer you six chances to win a fabulous new sports car, but a super-duper ultra X900A 97 band receiver, or \$1000 worth of trading stamps (your choice) per month for life.

Yeah, it all sounds great, eh? Except one little thing; Every radio station in the world is receiving a minimum of several thousands of reception reports almost every week...more than all but a few of them can handle. So you, and everyone else is receiving about one verification per year.

C'mon in stranger...join the hobby. A bit of competition never worries ol Charlie! (I'm a bit late, but better than never...so Happy New Year to all my followers! Also, many and lotts'a thanks to those who sent me holiday greetings.)

...Charlie Loudenboomer

ANARC REPORT

By NASWA-ANARC Rep., Gray Scrimgeour, 227 Hanna Road, Toronto (350) Ontario, Canada

First item for this month is to report that interested DXers may now subscribe directly for the ANARC Newsletter. The clubs have voted (tally of 18 - 8 votes) to make subscriptions to the Newsletter available for an annual rate of \$2.00. This is a good way to find out what ANARC is doing, in more detail. It also helps the non-profit organization that we are a member of by allowing a small portion of the subscription fee to go into the ANARC treasury to support the various projects that are now paid for almost entirely out of the pockets of the volunteer workers. The cost of \$2.00 was chosen so that there'd be a slight profit on this venture, but yet keeping the subscription cost as low as possible.

Anyone wishing to subscribe to the monthly Newsletter should send a cheque for \$2.00 (made out to Wendel L. Craighead; not ANARC) to Wendel Craighead, 2110 West 74th Terrace, Prairie Village, Kansas 66208.

Speaking of the ANARC treasury, the budget proposal for the next year has been presented this month by Wendel. Estimated receipts from dues in ANARC from 8 full member clubs and 5 associate member clubs is only \$51.50. This means that the cost of continuing operation of ANARC is only about 3¢ per year per club member! This sum pays for the publication and mailing of the Newsletter - which is the cohesive force of ANARC. The benefits to each of us far exceed the less than 3¢ a year!

I hope to be able to announce next month the first two awards in the ANARC Merit Award series. NASWA members will be especially interested in hearing the names of the recipients of this new award. Two very fine men.

There are two new associate member clubs in ANARC. They are the Virginia DX Association - begun in November 1970, with special emphasis on longwave and ECB - and the Rocky Mountain DXers Association. Rob Harrington is acting president and ANARC rep for the latter club.

There still have been no volunteers to host the 1971 ANARC Convention. Bids may be sent either to Wendel or to Jerry Heien, 3822 Marshall Court, Bellwood, Ill. 60104. Jerry, who was a co-organizer of last year's convention, can tell you the sort of work that is needed if you're interested. Primarily, it's a matter of arranging a motel or hotel for a weekend during the summer, to accommodate a meeting room and about 20 to 25 DXers. More people usually attend, but many are from the city or close by. It's a good chance to meet other DXers....

The Midwest DX Club has been elected as a full member of ANARC. Representative to ANARC is Dave Alpert. Voting was unanimous.

There have been about 100 DXers write to me in reply to the ANARC DXers's Census announcement over HCJB. Many are interested in joining radio clubs, and have been sent information about each of the present ANARC members. Many are just commencing in the great hobby of radio listening, and say they're enjoying it. That's a feeling that lasts with so many of us...

If any of you have suggestions for new projects for ANARC - projects that would assist all DXers - you might write them to me or to Wendel, preferably. Remember that the association cannot undertake expensive tasks easily, but rather can assist in organizing and coordinating efforts by DXers from different clubs. One suggestion made at last year's ANARC Convention (actually more of a dream, hi) was for a comprehensive study of propagation and reception on the shortwaves - much like Gordon Nelson's work on AM. Such things as potential predictions of unusual DX openings, design or description of DX-oriented equipment using the latest methods. And designed specifically by DXers for DXers. It would take someone with an outstanding knowledge of both propagation, receiver electronics, and DXing to start it. But certainly the task would be made easier for a start by the availability of much more scientific data about SW. If you knew just what days of the year would give you the best chance of hearing your ultimate DX target, wouldn't you have a better chance for it? It'd cut down a lot of listening "by the seat of the pants." And save us a lot of time for listening for other stations.



SHORTWAVE CENTER

WILLIAM A. MATTHEWS - EDITOR
P.O. BOX 15306
COLUMBUS, OHIO 43215

-FEATURES/ARTICLES-

Deadline 15th of the Month

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EXPO 70 AND RADIO JAPAN

Edward J. Pyatt

In my years as a DXer, I have heard broadcasts from three world expositions - the New York fair of 1964-65, the Montreal fair of 1967 and Expo 70 from Osaka. I also recall the 1961 fair at Seattle but since this city had no shortwave station extensive coverage of the fair on shortwave was limited. Perhaps some of you older DXers remember the Brussels fair of 1958 and others before that. But Japan's Expo 70 was a unique exposition - it marked the first time that a world's fair was held in Asia and the first time that one was held in a non-white nation.

With "Progress and Harmony for Mankind" as the main theme, the Japan World Exposition 1970 held a gala opening on March 15th, colorfully supported by 77 countries, which was the greatest number of participants in the history of the World Exposition. The opening ceremony was held on March 14 at the Festival Plaza in the presence of the Emperor and Empress, Crown Prince Akihito and Princess Michiko and was relayed to all parts of the world via satellite. The ceremonies consisted of the playing of the Expo march and a procession of countries who were participating in the fair, as well as speeches.

Radio Japan (N.H.K.) brought news and scenes of this "Festival of the Century" to its overseas listeners through programs related to the exposition, such as Tourists Guide and Towards Progress and Harmony. Radio Japan also sponsored an essay contest pertaining to the fair and 6 persons were selected as winners from over 1700 entrants and invited to visit the exposition at the expense of N.H.K. and Japan Air Lines. Radio Japan also issued two QSL cards in commemoration of the fair and one of the cards featured a drawing of the Tower of the Sun, symbol of the exposition.

The exposition was constructed on Senri Hills, some 15 kilometers northeast of Osaka, Japan's second largest city. Rising out of the great roof of the Festival Plaza was the Tower of the Sun with its golden head reflecting the sun's rays. To the west of this great tower rose the Tower of Mother and the Tower of Youth. The area surrounding these three towers was known as the Theme Hall where the theme "Progress and Harmony for Mankind" was expressed in various concrete forms. The Tower of the Sun expressed the dignity and infinite development of mankind. On this tower were mounted the three faces of the sun which represented man's past, present and future. Inside the tower rose the Tree of Life, the work of sculptor Taro Okamoto. Here was heard the "Hymn to Life" written by Toshiro Mayuzumi. Japanese anthropologists and ethnologists visited 89 countries of the world and collected some 2,000 items including statues and carvings of gods, Buddhas, masks and implements ancient peoples used. These were exhibited in the Hall.

The plaza south of the symbol zone was called the International Bazaar. Found here were well-known markets of various countries, including the Flea market of Paris as well as the garden plant market and Daruma market of Japan. Radio Japan often presented bustling programs from these markets.

Expo grounds were open till 10 p.m. and contrary to the bustle of the day, the grounds became serene and romantic in the evening. The Swiss Pavilion turned on a gigantic tree chandelier of 30,000 electric lights; the rotating Canadian pavilion beamed multi-colored lights from a parasol-shaped ball, and various other pavilions became brightly illuminated. Night dancing at the Festival Plaza was popular.

Computers were extensively used at Expo to provide information on Expo sites and to

EXPO 70 AND RADIO JAPAN
(continued)

direct traffic and enhance exhibits. Many pavilions used special sounds and images to develop their individual themes. Using the interior of pavilions as huge screens, stereophonic sounds and images were used to lure visitors into a dynamic world of phantasy.

National Days were held at the Festival Plaza and at the Wacoal-Riccar Pavilions, many weddings were performed and international Expo couples were born. Children enjoyed themselves at the fair by playing a Japanese game of "janken" with robots or listening to orchestra performances by the robots which were controlled by a computer. They also had fun shaking hands with stuffed animals playing the role of fairy tale characters.

Electronic computers were put to wide and effective use. They served as guides to various functions, as a means of automatically tabulating the number of visitors, as information sources on missing children and lost articles. The entire system was called the World Exposition Data Communications System, and the main computer at the computer center was linked with various terminal units to provide instantaneous service.

The largest pavilion at Expo was the Japanese Government Pavilion which consisted of five cylindrical structures simulating the Expo mark and depicting a cherry blossom. Exhibits in the pavilion were divided into three sections representing the past, present and future, under the theme of "Japan and the Japanese." Economic, social and cultural aspects of these three different stages were delineated in a comprehensive manner.

Novel transportation facilities at the fair included "the moving footway" consisting of two lines of conveyors running inside a transparent tube at 40 meters per minute; a monorail train that did not require a driver; a ropeway that carried passengers in rotary gondolas far above the grounds and electric automobiles that produced neither noise nor exhaust gas.

Shopping was one of the big thrills of Expo 70. There were some 290 shops both within and outside the pavilions. Shops within pavilions sold stamps, pictures, picture post cards, records, books and slides. In addition, special products of the country were sold. In shops located outside pavilions, there was no limit to the articles sold. World famous products were available and these included Scotch whiskey, dried seaweed (South Korea), Dutch cheese, vodka, cigars from Cuba, French perfume, carpets (Iran) and cameos (Italy). The articles were sold 10 to 20 per cent cheaper than market prices since there was no markup for middlemen. Among the more unique and expensive products were emeralds from Colombia and crocodile skin handbags from Nigeria.

These were just some of the interesting and wonderful things that took place at the 1970 Japan World Exposition. Thanks to N.H.K. and Radio Japan for enabling many people in many lands to visit the exposition - if not in body then through their minds and imagination.

* * *

DX-ATLAS: "The New Hebrides - Observations and Impressions"
Bob Padula

The New Hebrides, relatively undiscovered for the "tourist" trade until very recent times, is an island group lying approximately 1300 miles north-east of Sydney, somewhat on the same latitude as the Fiji group, and on the same longitude as the south island of New Zealand. The main island is Efate, some 130 miles in circumference - neighboring islands are Tanna (where the writer visited Mt. Lasour, claimed to be the world's most accessible active volcano). Pentecost (famous for the Pentecost

DX-ATLAS: New Hebrides
(continued)

Land-divers), Erramango, and Epi. Port Vila, or Vila as it is known locally, is the main town of the group, on the island of Efate, served three times weekly by UTA Caravelle jet from Noumea; Fiji Airways also pass through Vila en route to Esperitu Santu and the Solomon Islands. Air-Melanesia operates a network of services to the islands via 10-seater aircraft; road communication is limited to a single road right around the island in Efate (except in Vila and some smaller towns), and on the other islands, particularly Tanna, transport is commonly by 4-wheel drive Landrover or similar means. There is no actual summer or winter, and the rainy season extends from October through March; like most other South Seas islands in these latitudes, the high humidity and high temperatures makes life most uncomfortable for the visitor unaccustomed to these extremes. Also of note is that driving is on the right-hand side of road, causing some embarrassing moments when one attempts to circumnavigate the island in this way, tearing along in one of those very versatile "Mini-Mokes", as the writer did, but not at all used to driving on the "wrong" side of the road!

The New Hebrides is unique in that it is administered jointly by the British and French Governments, and by the Condominium; the latter authority assumes responsibility for all matters common to both. Separate French and British police forces exist, and hospital and medical services are similarly separated. French predominates over English as the main language spoken in the Vila town business center, but further out, and in the other islands, Pidgin is widely spoken, with a multitude of local dialects.

Postage stamps are issued jointly in English and French; they are issued in denominations of French centimes and French Gold Francs (100 c. = 1 Gold Franc); this complicates postage transactions tremendously, as a conversion to the local currency has to be made before any postage stamp purchase can be carried out. Currency is mixed - Australian dollars and New Hebrides francs being freely intermingled, together with a sprinkling of French Polynesian, New Caledonian, and American coinage. Prices are relatively high, but visitors can obtain considerable savings due to the tax-free situation. There is no duty-free shopping available, such as in Fiji, Hong Kong, or Singapore.

Turning now to radio broadcasting in the New Hebrides, Radio Vila is regarded by many as a rare catch on shortwave; using only a relatively low power, the station is on the air twice daily, with no operations on medium-wave at all.

At present, broadcasting is confined to the midday and early evening periods, from 11:30 a.m.-12:15 p.m. (0030-0115 GMT) on 7260 kHz, and from 5:15-6:30 p.m. (0615-0730 GMT) on 3905 kHz. All broadcasts emanate from a 500 watt transmitter, which is shared with the high-frequency radio-telephone link with Sydney and other centers. The broadcasting studio is located close to the coastal radio station "Villa Radio" on a hill immediately above the center of the town of Vila. Programs are then fed by telephone line approximately 4 miles to the transmitter, on the other side of the harbour. The main transmitting antenna is a center fed dipole.

Messages from the outer islands are received at the Information Office during the morning, edited and included with information of local interest in the midday news at 11:45 a.m., in English, French, and Pidgin. Selected news items are then replayed during the evening broadcast period; the remainder of the programming is essentially music by request, mainly for the native component of the population. The evening broadcast is generally taped in advance, including the distinctive drum-beat Identification Signal, all announcements and acknowledgments.

The studio and control room are modest in size, but a fairly comprehensive record library is maintained; the midday transmission serves a radius of approximately 600 miles, and the evening broadcast is more widely heard. Radio Vila is heard in Australia generally in the winter months during the latter part of the evening program, but reception has been noted in New South Wales and Queensland throughout

DX-ATLAS: New Hebrides

(continued)

the year, and at an earlier time. Reports from further afield are rare, due to amateur operations interfering on surrounding frequencies. During December 1970, the only report received was from a DXer in New Zealand. All reports are checked with the station log, according to the Technician-in-Charge; return postage is not necessary, but will be accepted. A very distinctive QSL card is issued, with all necessary data.

Some difficulty has been experienced in providing a reliable service on shortwave even on the main island, with several "dead" spots - even at some 4 miles from the transmitter, the writer noted considerable fading on both the midday and evening services. It was indicated that proposals had been put forward to an improvement of the existing service, which will be advised to the writer in due course when officially confirmed.

Evening reception from other stations in Vila is generally confined to Radio Noumea, which operates on 670 kHz medium-wave and heard very strongly (approximately 400 miles to the south), as well as shortwave outlets on 9510, 7170 and 3355. The shortwave transmissions from the Fiji Broadcasting Commission are also well received during the nighttime period, on 3230 and 3284 kHz, as well as the medium-wave services from Radio Tarawa (844 kHz), Tonga (1020 kHz), and Honiara (1030 kHz). During the daytime, the Fiji transmissions on 5955 and 6005 are well heard; Radio Australia's Pacific Islands services are extremely well received on frequencies in the 16 and 19 meter bands throughout the day and are used extensively for direct off-air relay to the modern hotel complex "Le Lagon" where the writer stayed. At other times, Radio Noumea is fed into this circuit.

An interesting country, the New Hebrides, and an example of an area of the world where a heavy reliance is placed on basic radio broadcasting as a means of communication essentially, where television and regular radio transmissions as we know them do not exist.

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TRANS WORLD RADIO SWAZILAND

Chatham, New Jersey. December 22. --- Dr. Paul E. Freed, Founder-President of Trans World Radio, announced today that permission has been granted from the Kingdom of Swaziland to establish a superpower international radio station.

The agreement consists of the installation and operation of at least 100,000 watts on the standard broadcast band and on short wave tentatively of undetermined power. The station site will be located on the Johannesburg Highway, nine miles from Mbabane, the Capital. Construction is scheduled to begin in early 1971.

The landlocked democratic country of Swaziland is strategically situated assuring optimum coverage of Africa south of the equator. The potential audience in this area numbers more than 84,000,000. Swaziland is a beautiful country, compact in size, about the area of the State of New Jersey. The nation, once a member of the British Commonwealth, became independent on September 6, 1968.

Trans World Radio Swaziland expects to transmit programs in English, Afrikaans, French, Portuguese, Swahili, Zulu, and other tribal languages. Monte Carlo, Monaco, and Bonaire, Netherlands Antilles, are the sites of the other broadcasting operations of Trans World Radio. From these superpower facilities and production centers in twelve countries, broadcasts in 33 languages are sent forth to people of many different nationalities and backgrounds around the world.

Trans World Radio is a nonprofit, noncommercial Christian broadcasting organization that draws its financial support from voluntary contributions from churches, individuals, and groups in many parts of the world.

The Swaziland project is another expansion link in the Trans World Radio chain to

TRANS WORLD RADIO SWAZILAND
(continued)

achieve the ultimate goal of global network gospel broadcasting. It will join with the other seven Trans World Radio transmitters in plans for future simultaneous broadcasts via satellite relay.

TRANS WORLD RADIO NEWS BRIEFS
via Marlin Field

* * *

RESTORATION AT GREENWICH OBSERVATORY

"...When Charles II, King of England, was informed of these facts, he said the work must be carried out in royal fashion. He certainly did not want his ship-owners and sailors to be deprived of any help that the Heavens could supply, whereby Navigation could be made safer. Therefore, his most Serene Majesty was pleased to decree that an Observatory should be built...."

So wrote John Flamsteed (1646 - 1719), England's first Astronomer Royal, describing the founding nearly three centuries ago of the Royal Observatory at Greenwich. According to the royal warrant of June 22nd, 1675, it was "in order to the finding out of the longitude of Places for perfecting Navigation and Astronomy."

In view of these nautical beginnings, it was entirely appropriate that some years after World War II the National Maritime Museum should take over the historic observatory buildings in Greenwich Park. By then the Astronomer Royal and his staff had been forced to move from the smoke and streetlights of metropolitan London to the clearer air of Herstmonceux in the Sussex countryside, at which time the name of the Royal Observatory, Greenwich, was changed to Royal Greenwich Observatory.

Today the old buildings which bestride the world's prime meridian have been restored as far as possible to their state during the 17th, 18th, and 19th centuries, with many instruments and clocks restored to their working positions. Three of the buildings are open to the public as a museum illustrating the history of astronomy and time, with particular emphasis on maritime aspects and the work of the Astronomers Royal. These three are Flamsteed House, his observatory, and the Meridian Building.

In the courtyard the visitor will see the GREENWICH TIME BALL. The world's first visual time signal is this time ball, erected so that ships in the Port of London could check the errors of their chronometers before sailing. Except during World War II, the time ball has dropped at 1:00 P.M. daily almost without a break since 1833.

The GATE CLOCK. To the right of the entrance to the observatory courtyard is a 24-hour slave dial that was originally driven by a very early electric master clock by Shepherd, which is still in operation in the Dyson Gallery. Though Great Britain now keeps time one hour ahead of Greenwich Mean Time throughout the year, the gate clock (dating from 1852) continues to show GMT, which is also the astronomer's Universal time.

GREENWICH MERIDIAN. This is the world's prime meridian and the basis of the international time-zone system. It is marked on the ground by a brass strip running north and south across the courtyard. If you straddle it while facing south, with one foot in each hemisphere, you can see the line leading through the glass doors of the Meridian Building to the Airy transit circle, whose telescope has defined the meridian since 1851.

When the International Meridian Conference met in Washington in 1884, any meridian of the world could have been chosen as longitude 0°. The one at Greenwich was chosen chiefly because 72% of the world's shipping already had charts based on it (thanks to over 100 years of publication of the Nautical Almanac) and because the vast North American railroad network already was using a time-zone system based on Greenwich.

RESTORATION AT GREENWICH OBSERVATORY
(continued)

In the DYSON GALLERY (as well as in the main National Maritime Museum) is a collection of marine chronometers, showing their development from John Harrison's watch of 1759, which in 1773 won 20,000 prizes for a method of determining longitude.

Time distribution today is demonstrated by the broadcasting from Dyson Gallery, and elsewhere in the Old Royal Observatory, of the famous Greenwich six-pip time signal. Generated at Herstmonceux, this signal is sent by wire to the British Broadcasting Corp., which broadcasts it as convenient, and to Greenwich, where it can be heard every fifteen minutes.

Sky and Telescope via
George Schnabel

* * *

RADIO RIO AMAZONAS

Radio Rio Amazonas transmitting in the 60 meter band on 4.870 Mhz from Macuma, heart of the Ecuadorian Amazon headwater region.

Since 1962 HCGM has been broadcasting from its remote jungle location to the people living in the eastern jungles of this small South American country. Spanish and Jivaro have been the two languages broadcast until the recent addition of Quechua. These two Indian languages and Spanish represent the three major language groups in Ecuador. Two other stations of the Gospel Missionary Union in Ecuador also broadcast in Spanish and Quechua is spoken by the inhabitants of the mountain region where the other two stations are located.

The main programming thrust of Rio Amazonas is to the Jivaro Indian and thus the unusual location of the station and transmitter facility. Macuma is a small "no place" 54 miles by air from the nearest town and road.

All fuels for generating electricity must be flown into Macuma but this is a small inconvenience compared to the benefit of being located on the intersection of two of the main Jivaro trails. An estimated 6,000 to 10,000 Jivaros live in approximately 10,000 square miles of the southern jungle. Also, in Ecuador and Peru live three bordering groups of people whose language is very similar to the Jivaro. These three groups have a combined estimated population somewhat over 25,000 and we have listener reports from among these groups as well.

Formerly a headhunter, the animistic Jivaro still lives a good distance from his neighbor. This is no longer for protection but because he farms, raises cattle and just thinks it nice to live alone. This separated living and the high mud content of the trails make it time consuming to carry on a personal evangelistic outreach to those living farther out. Thus radio fills the need of a continual teaching medium for use among this people who, until recently, had no other station to listen to in their mother tongue.

With the advent of HCGM radios had to be introduced to the Jivaros. Until recently pretuned radios were available and approximately 400 were sold at a subsidized price. The Japanese Transistor receiver now has made the manufacture of the pretuned set unnecessary. The transistor receivers are now made available by the radio station at an unsubsidized price. Among the Jivaros one sees more portable radios today than the old pretuned models in evidence a few years ago. A good percentage of the Jivaro homes have at least one radio of some sort.

Prime time for both the Jivaro and Quechua listeners is at, or just before dawn and dusk. Half hour prerecorded Quechua programs, produced by Brethren missionaries in the north jungle are aired at 5:45 a.m. and 6 p.m. daily. From 6:15 to 7:15 a.m. and 5:00 to 6:00 p.m. daily are Jivaro broadcast times. These two hourly blocks are made up of 5 and 15 minute segments of Jivaro hymns, Ecuadorian music, Gospel messages, and Jivaro greetings and personal messages.

RADIO RIO AMAZONAS
(continued)

A large percentage of our listener mail is received in response to the twice daily greetings program. This is encouraging because the Jivaros are still largely illiterate and mail service in their area is almost non-existent. But still the letters come. Every Saturday afternoon we feature a live greetings program called "Visitors Talk." Interest in this program is high. The people are invited to come themselves and send their own one-to-two minute greeting and message. This program has grown to one hour in length.

At present a 15 minute news, editorial and agricultural hints block is the only program we are producing in Spanish. The other Spanish programs are prerecorded productions we receive from other sources, or recorded music. This is of necessity because our only Spanish staff is our one Spanish language announcer-operator. He operates during the 3 to 5 p.m. daily Spanish schedule.

In June, 1970 we moved into the new radio building recently constructed in Macuma. This building houses offices, studio and the new Mission Engineering 5 KW transmitter which is now in operation. The old 500 watt transmitter which operates on the same 60 meter frequency is also maintained as a standby.

Our prime target area is the eastern half of the country of Ecuador. This is a triangular 20,000 square mile area including the entire eastern jungle region and the eastern slopes of the Andes Mountains extending from Colombia to Peru. No population figures are available for this area, possibly because of the enormous growth rate. A fertile agricultural and cattle raising area, it is being colonized rapidly by Spanish speaking people.

The Rio Amazonas staff numbers five, three of whom are national operators. These operators have been trained through HCGM and are continuing their technical and programming training through practical work and correspondence courses. The missionaries continue to work with Jivaros in producing programs but the voices heard over the broadcasts are those of Jivaro Indians. This is true of all programs except the Bible teaching segments which are still produced and delivered by missionaries. Our hope is that this can soon be turned over to competent National church leaders.

ICB Bulletin... via Richard Anderson

* * *

A VOICE THAT PIERCES THE IRON CURTAIN
Part II

RFE has been careful in recent years to say nothing to incite people to take to the street. Just before the Hungarian revolution of 1956 a London newspaper misinterpreted an RFE quote in a way that sounded as though America was telling the people to revolt. When the people did just that and no help was forthcoming from the West, disillusionment with the United States, Britain and France was deep. That wound is still unhealed in Hungary.

Several Western radios point at the East, but only RFE is a private operation. The British Broadcasting Corp., which is a diminishing force, is government. So are the Voice of America, which is part of the United States Information Agency, and Deutsche Welle, the German propoganda station.

RFE's audience behind the Curtain is normally larger than those of the others, according to opinion polls conducted by professional, nongovernment organizations. Some 8,000 Eastern travelers to the West are checked yearly, as are about 10,000 letters from inside the Curtain.

If further proof of RFE's comparative effectiveness were needed, there are admissions from communists themselves, and the fact that RFE broadcasts are jammed more than the others are.

A VOICE THAT PIERCES THE IRON CURTAIN
(continued)

It is known that every word RFE puts out is recorded in several, if not all, capitals in the Soviet bloc and that resumés or full transcripts are supplied to high party and government functionaries.

Some RFE equipment is 19 years old and needs replacing, but RFE is generally well equipped to do the job expected of it. The staff of 1,642 is professional. Several hundred are veteran newsmen who have worked for the Associated Press, United Press International or Reuters. They are based not only in Munich, but at a program-production and financial headquarters on Park Ave. in New York, and in bureaus in Athens, Berlin, Bonn, Brussels, Geneva, London, Paris, Rome, Stockholm, Vienna and Washington.

Of 975 RFE people in Munich, only 209 are Americans, and of the 369 technicians working at the main transmitter station at Gloria, Portugal, only six are. Other transmitters are at Holzkirchen, Biblis and Schleissheim in Germany.

Information and news put out by RFE comes from Western news agencies and from the widest possible variety of communist sources. There is 24-hour-a-day monitoring of every radio station in the western part of the Soviet Union as well as in East Germany, Poland, Czechoslovakia, Hungary, Romania, Albania and Bulgaria. Radio teletype reports are pirated from 11 communist news agencies, including TASS of the Soviet Union, Hsinhua of Communist China, CETEKA of Czechoslovakia, PAP of Poland, MTI of Hungary, Agerpres of Romania, BTA of Bulgaria, Tanjug of Yugoslavia, ADN of East Germany, ATA of Albania and VNA of North Viet Nam.

To enrich the information input, RFE gets 1,600 publications (900 of which come from behind the Iron Curtain). As the flood pours into the Munich newsroom around the clock, 365 days a year, it is studied by newsmen and by experts--many of them refugees from behind the Iron Curtain--in most any subject that can be thought of. To the flow, these experts add analyses and background and balancing information from RFE files.

A library of 45,000 volumes on East European subjects is a few steps down the hall. Personality files are available on any person of consequence behind the Curtain. This mass of facts and opinion is reduced to five reports which go out separately to the five countries to which RFE broadcasts. Reports are given by natives of the nation to which they are beamed.

RFE is on the air to Czechoslovakia 20 hours a day, to Poland and Hungary 19 hours a day, to Romania 12 hours and to Bulgaria 7½. Additionally, RFE has an extensive mailing list of Western newsmen and leaders who use information it sends them.

There is constant din from the Soviets that the West German government must "clean its territory of the presence of this imperialistic tool." The most recent demand came from Poland's foreign minister. Such demands only add to RFE's prestige with American businessmen, who donate, on their own or their companies' behalf, anything from \$100 on up. RFE will not divulge precise amounts but it is known that several contributions each year top \$50,000 apiece. Largest donations come from the auto, steel and oil industries. Wills also benefit RFE.

At the close of a recent speech, Mr. Roche quoted from the Soviet Army newspaper, Red Star, which had called RFE wolves of the air and had said: "There can be no doubt that the imperialists will provide the money for RFE." The "imperialists," Mr. Roche informed his fellow businessmen in a prideful voice, "are us." He added: "I know that we imperialists won't want to disappoint them."

Nation's Business (adapted)

-- Arthur A. Miller

-- Andy Kerr

Articles scheduled for inclusion this month which did not appear will be found in the April edition of FRENDX - these and more through NASWA.



NEWSROOM

TIPS/SKEDS

ANTHONY MARKS-EDITOR
P.O. BOX 521
LAGRANDE, OR. 97850

HANK MICHALENKA-A.E.
14 BROOK STR.
CENTRAL FALLS, R.I.

Deadline 15th Month

Deadline 8th Month

NR is going back to using KC/KHz this month, since a majority of those who have expressed an opinion seem to prefer this over the MC/MHz as I've used the last couple of months. Their arguments, that MC takes more space and that KC is more of a standard usage in the bulletin, are well taken, and although I prefer MC, I did say in JAN NR that I would do as the membership indicated, and 3 of the 4 who have commented on it have indicated their preference to KC, even though a vast majority of contributors use MC when sending me news/skeds. Stations seem to be about equally divided. I could have just put QRG=KC, but thought I'd better explain why the change. - ed.

TRUCIAL STATES, Abu Dhabi

This will probably be in the QSL section, but I thought it newsworthy. AN has received (08 JAN) a QSL from the Chief Engineer H. Abbott, for a report of 20 DEC on 6040 at 13:17 fade-in. AN says Mr. Abbott was very pleasant and cordial in his reply to the report. (AN)

SWAZILAND

Latest word from Trans-World Radio (TWR) is that there is a plan in the works to build a new superpower relay station in this kingdom. The decision has apparently been taken, but actual details and time of early tests are still in the planning stages. (GC)

GERMAN FEDERAL REPUBLIC

In reference to JAN NR, it is possible to hear DEUTSCHLANDFUNK RADIO on SW. The daily Italian programme, from 17:25-17:55 on 6135 (6130 in March-April) and 7130, is produced by them and broadcast over DEUTSCHE WELLE. Reports on this programme should be sent to DEUTSCHLANDFUNK, who will verify direct with their own QSL. Note that this will not count as a separate station in NASWA, but the card, pennant, and station wall poster they send, are well worth the trouble. (GC)

ALBANIA, RTA, TIRANA

EE at 03:30 now on 6193v/7305v

USSR

Re JAN NR, "R. KIEV" and "R. EREVAN" (often spelled with a Y - ed) are programs taped in Kiev and Erevan, and broadcast over the usual network of Soviet transmitters, and, as it is the transmitter location that counts, so these skeds should more properly be listed as USSR, rather than as UKRANIAN SSR or ARMENIAN SSR. (Why then does NASWA count EREVAN, ARMENIA, and KIEV, UKRAINE, as separate countries and list them as such in the countries list? - ed.) The transmissions in EE from R. TASHKENT on 9625/11925 at 12:00-12:30, 14:00-14:30 & 16:00-16:30, are from transmitters located in the UZBEK SSR, and is an exception. (DF)

GAMBIA, RG, BATHURST

RG now heard in the period 07:00-08:00 on 4820, and should be audible WCNA, too (re FEB NR - ed) (DF)

AFGHANISTAN, RA, KABUL

EE from RA: 14:00-14:30; 4775 w/100 kw non-directional. 18:00-18:30; 11790 w/50kw, 9530 w/100 kw, 7200 w/50 kw. Reports to PO Box 544, Kabul. (DJ/HM)

VIETNAM REPUBLIC, VTN, SAIGON

Vietnamese: ~~24 hours~~ w/news on the hour every hour; 6165/7175/7245/9620/11950. Thai: 12:30-13:00; 9755. French: 05:00-05:30; 9755. EE: 04:30-05:00; 9755. Cambodian: 10:00-10:30; 9755. Chinese: 10:30-11:30; 9755. Cantonese: 11:30-12:30; 9755. Report to VTN, 3 Phan dinh Phung Street. (DJ/HM)

VIETNAM, DEMOCRATIC REPUBLIC, HANOI

"The Voice of Vietnam"
EE w/1/2 hour programs on 12030 directed to GI's in S. Vietnam. Not nearly as stereotyped propaganda as heard via R. PEKING, but has much US pop mx and anti-war speakers visiting Hanoi. EE sked: 08:30; 10:00, 13:00, 15:30. (PL/HQ)

TURKEY, TRTC, ANKARA

QRG 9515 not listed in WRTH 1971, but still in use; noted in Turkish at 04:30 (RW) EE sked: 14:00-14:30; 17720/17820. 22:00-22:30; 15160/15195. (WRTH)

CAMBODIA, RNK, PHNOM-PENH

RNK, "The Voice of the Khmer Republic" can be heard on 6090 w/EE nx at 12:45-13:00. (FL/HQ) WRTH also has EE nx listed: 00:45 (Wn), 01:45 (Sn), and 05:45 as well as the 12:45. (ed)

LIBERATION RADIO, "Voice of the Provisional Revolutionary Government of South Vietnam", claims it broadcasts from S. Vietnam, but factually is located in both Cambodia and Laos. It has been heard in FF at 14:00-14:30 and EE at 14:30-15:00 on 12020a. (FL/HQ)

TUNISIA, RTT, TUNIS

RTT is at present using two QRG at her 05:00 s/on in Arabic. They are measured as 6194.7 and 9596.5 with 11900 noted at s/off 23:30. (RW) QTH is 71, Av. de la Liberté, Tunis. (WRTH)

GUATEMALA, TGNA, GUATEMALA

TGNA is consistently on 9506v, as heard in SS during daylight hours, 18:00-20:00. (RW)

VATICAN RADIO, VR, VATICAN CITY

At suggestion of RW, VR has replaced 6130 by 5995, to avoid QRM from CHNX and, irregularly, Madrid. EE to NA is 00:50-01:05 w/9615/11725 in // . (RW)

DENMARK, RD, COPENHAGEN

Re FEB NR asking for Danish report forms, let it be known that reporters need no longer write RADIO DENMARK in Danish, since RD is again accepting good reports in English, provided they are for the transmissions specifically beamed to the listener's target area. In particular, it will verify EE reports on the evening NA service, from NA listeners (otherwise I assume the reports must still be in Danish - ed) (RW)

AUSTRALIA, ABC, PERTH

Domestic SW service, VLW, is located at Perth (115.49E/31.51S), PO Box 190D, GPO, 6001 (WRTH -ed)

VLW6; 6140 w/10kw 22:00-01:00, 10:00-16:00, Mn-St. 22:30-01:00, 10:00-16:00, Sn.

VLW9; 9610 Mn-St 22:00-10:25 w/10 kw, 10:30-16:00 w/50 kw. 22:30-10:25 w/10 kw, 10:30-16:00 w/50 kw on Sn.

VLW15; 15245 (WRTH says 15425-?-ed) w/50 kw 23:00-10:15 every day. (CC/HM)

AZERBAIDJAN (AZERBAIDZHAN), SSR, R. BAKU

On a report to Mrs. Stepanova of R. MOSCOW, AS received the following information: RM does not use 9490 in either the Foreign or Home Service. Many members claim to have verified R. BAKU by QRG for reports on 9490, but they evidently had better do some rechecking on this. The best QRG currently for R. BAKU is 6110 from 04:15-05:00 when BEC is off this QRG, the program being in Russian and clear. (AS/HM)

USSR HOME SERVICES

Mrs. Stepanova also advises AS that QRG allocations are meted out by the Ministry of Communications, 7 Ulitsa Gorkogo, Moscow, USSR. She advises us all to report to the regionals via this source, since many of them, such as RADIO ALMA-ATA, will not verify ordinarily, and this may be a new hope. (AS/HM)

PAKISTAN, RP, RAWALPINDI

On a QSL from RP, Mr. Nihal Ahmad, Director of Listener Research, has expressed interest in reports from us for the 19:45-20:30 QTR on 7095/9460. (JS) This is part of the EE service. WRTH has EE listed: 00:15-01:00; 7265/9460. 03:45-05:00 (w/other L); 17945/21590. 08:30-08:45, 08:45-09:30 (w/other L); same QRG. 10:45-11:45 (w/other L); 9560/11672. 13:35-13:50; 17945/21590. 18:45-19:30;(w/other L); 7095/9460. And above.

KUWAIT, KBTS, KUWAIT

EE sked monitored from broadcast: 04:00-09:00, 16:00-21:00; 4967.5. 04:00-06:00; 17750. 06:30-09:00, 16:00-21:00; 15345. (WH)

ZAMBIA, ZBS, LUSAKA

EE sked, General Service: 04:50-07:45; 3346/4965/6165 w/3346 off 06:30.

EE sked, Home Service: 04:30-08:00; 3295/4911/6060. 08:00-09:00 w/3295 dropped, 7220 is added. (WH, RP)

PAPUA AND NEW GUINEA, VLT4, BOROKO

ABC announced, via VLT4, construction plans for six new 2 kw SW transmitters for administration SW stations to be located at Coroka, Mt. Hagen, Lae, Madang, Port Moresby, and Kerema. (WH)

GHANA, GBC, ACCRA

GBC has EE to NA: 20:00-21:00; 11850 w/250 kw beamed 313°. (SH)

GUATEMALA, HUEHUETENANGO

RADIO MAYA de BARILLAS is a missionary station broadcasting in 7 Indian languages in addition to Spanish, and uses a Gates BCLG (1 kw) transmitter on 2360 KC, into a folded dipole 90 feet high and running east-west. According to their director they are also opening up a transmitter on 3320 KC. They will be using the Gates for this QRG, and a Collins 300-G on the old one. Send your reports on either QRG to Director Loran W. Veith, Jr., RMB, in EE if you wish, being certain to include return postage. (AS/HM)

KOREA, REPUBLIC, KRS, SEOUL

Re FEB NR, EE sked, include General Service: 05:00-05:30, 09:00-09:30, 11:00-11:30, 21:00-21:30; 9640. 11:00-11:30 also uses 6135. (SH)

ANTILLES, TWR, BONAIRE

TRANS WORLD RADIO has this EE sked: 00:30-01:30; 11820/11855. 02:50-03:20; 6110/6190/11820/11855. 11:00-12:35 (11:00-14:20 Sn); 11820/11855. They also broadcast in 10 other languages using 9605/9730/15305/15345/15350. (SH)

RADIO NEDERLAND, MADAGASCAR RELAY

Tentative EE sked to Asia and Pacific areas: (Meter Bands only, QRG not decided): 09:30-10:50; 16M. 11:00-12:20; 19M/16M. 12:30-13:50; 19M/16M. 14:00-15:20; 25M. 21:30-22:50; 19M/25M. 23:00-00:20; 41M/31M. (WH, AK)

INTERNATIONAL SW CLUB

The results of the SW Station Popularity Poll are evidently completed, and are as follows: 1. R. AUSTRALIA 2. BBC WORLD SERVICE 3. R. NEDERLAND 4. VOA 5. DEUTSCHE WELLE (AK)

NATIONAL BUREAU OF STANDARDS, WWVH

"The exact location is north of Kekaha in the Barking Sands area on Kauai. The antenna arrays, except for the 2.5 MC omnidirectional antenna, consist of two half-wave vertically polarized dipoles spaced a quarter wavelength apart and fed 90° out of phase. This arrangement provides a cardioid pattern directing radiation to Alaska, the Far East, and New Zealand, with a minimum of energy directed towards the US mainland. Plans are not to go into operation from the new site until mid-1971, hopefully 01 July." From letter to AK.

HUNGARY, MRET, BUDAPEST

The RADIC BERLIN INTERNATIONAL (RBI) relay of RADIO BUDAPEST NA Service in different languages is on 6165 at 00:00-03:30; then, when RBI carries her own programs to NA on 6165, the Budapest relay is on 6175 until s/off at 05:00. Audio quality is very poor, obvious off-air pickup. This replaces deactivated 6234 direct from Budapest; other Budapest QRG are unchanged. A most unusual arrangement indeed. (RW)

PORTUGAL, ENDR, LISBON

EE sked: 02:00-02:45; 6025/11935/15/125. 03:00-03:45; 11840. 03:45-04:30; same as 02:00. 13:45-14:30; 17895/21495. 18:15-19:15; 11935/21495. 20:45-21:30; 6025. (Direct, SH)

FRANCE, ORTF, PARIS

EE sked: 05:15-05:30: 7255/7155/9700/11920/11930/15295/17730. 11:00-11:15, 20:15-21:00; 15295/17720/21580. These are the African Service. (ORTF)

LEBANON, RBL, BEIRUT

Re FEB NR, corrected QRG, the QTR and L order being the same: 18:30-20:30; 11705. 23:00-01:00; 11810. 01:30-04:00; 11780. (RBL)

SWITZERLAND, SBC, BERNE

The following monitored off SBC on 13 FEB, 1971: In an agreement with the Switzerland, the country of Liechtenstein (between Switzerland and Austria - ed) will operate a radio station and will be assigned international SW band QRG. (Good news-ed) (RS)

NIGERIA, NRC, ENUGU

EAST CENTRAL STATE BROADCASTING SERVICE (ECSBS), formerly RADIO BIAFRA and EASTERN NIGERIA BROADCASTING LTD. before that, says sked is 05:00-22:00 on 7302, though the QRG varies. Using a 10 kw Brown-Boveri transmitter, operating on reduced power, they might still be heard. (JB)

ALGERIA, RTA, ALGIERS

Arabic: 06:00-09:00, 11:00-24:00 Mn-Th, 06:00-24:00 Fr-Sn; 9510/11810. Kabyle: 06:30-08:30, 12:00-22:30 daily, 06:30-22:30 Sn; 9685. F: 06:00-09:00, 12:00-24:00, Mn-Th, 06:00-24:00 Fr-Sn; 11835, 06:00-09:00, 12:00-20:00 Mn-Th, 06:00-20:00 Fr-Sn; 11715, and 20:00-24:00 daily on 6080. (JB)

SPACE MAGNET ANTENNA

Re FEB NR, I suspect I should have listed the QTH of the manufacturer of this product, judging from the response I've gotten. This is all the information I have: Worcester Electronics Laboratory, RFD 1, Frankfurt, NY 13340; \$29.50 plus \$2.45 postage, (DeLuxe version, \$34.50 plus \$2.45); Contact Mr. J. A. Worcester. (KS)

R. L. DRAKE COMPANY

According to an advertisement in the current issue of Popular Electronics, the Drake SPR-4 has now gone up in price to \$499.95 - - - - - .

GERMAN FEDERAL REPUBLIC

RADIO DEUTSCHE WELLE (RDW), EE: 01:20-02:00; 7285/9545. 01:30-02:50; 6040/6075/9735. 03:45-04:05; 7235/9545. 04:30-05:00; 7225/9565 *. 04:35-05:55; 6075/6145/9545. 05:45-06:30; 9690.11905 *. 06:00-06:30; 11785/15275/17765. 09:20-10:20; 11795/17800/17845/21560. 10:45-11:15; 11785/15410 *. 10:45-11:15; 17875/21600. 12:00-12:45; 15410/17765 *. 17:00-17:35; 11765/15275. 17:15-17:45; 9735/11965 *. 19:30-20:20; 9765/11785. 21:00-22:00; 7130/9765/15275. (* = RDW relay in KIGALI, RWANDA)

RADIO SUDWESTFUNK, BADEN-BADEN Current sked w/7265 (Rohrdorf): Sn; 05:50-24:00. Mn-Th; 03:55-23:10. Fr; 03:55-24:00. St; 03:55-01:00. (power listed as 1.5 kw.) (JB)

NEDERLAND, HILVERSUM

RN WERELDOMROEP, EE: 06:30-07:50; 11730B. 08:00-09:20; 9715B. 09:30-10:50; 6020LR/6140L/7275LR. 09:30-10:50; 17810L/21480L. 14:00-15:20; 6020LR/17810L/21480L. 15:30-15:45 (T & Fr only); 17810L/21570L. 17:30-17:45 & 18:00-18:15 (Td & Fr only); 17810B. 18:30-19:50; 15220L/21570L/21640B. 20:00-21:20; 6020L/6085L. 21:30-22:50 (Wn only); 9715L/11730L. 22:00-03:20; 11730B. 05:00-06:20; 9715B/11730B. (09:30 1st sked is Sn only; 2nd is week-days.) (L = 100 kw, Lopik; IR = 100/10 kw, Lopik. B = 300 kw, Bonaire.) (Direct, HQ, SH)

GERMAN DEMOCRATIC REPUBLIC

RADIO BERLIN INTERNATIONAL, RBI 01:00 & 02:30; 5955/9730. 03:30; 5955/6080/6165. 06:15; 9500. 06:45; 21465. 12:00; 17880/21540; 13:15; 21600/21475. 13:30; 21540. 15:15; 11975. 17:00; 6080/6115/7185/7300/9730. 18:15; 15390/21475/15145. 20:00; 11810. 20:15; 6080/6115/7185/7300/9730. 22:00; same. 23:00; same w/out 7300.

CZECHOSLOVAKIA, PRAGUE

RADIO PRAHA, RP, EE: 16:00-16:25; 6055/9505. 17:30-17:57; 5930/7345. 20:00-20:27; 5930/7345. 01:00 & 03:00; 5930/7345/9540/9630/11990. 07:00; 6055/9505/11800/15310/21690/21700. 14:00 (Sn only); 15445/17840/21735. (The last four are 55 minutes duration) (no more room for the rest - sorry!)

I want to thank all those who have sent in material to us this month, there were obviously quite a few. Many contributions, however, have been arriving here too late, that is, after the fifteenth, which makes it difficult for me to add them in. I want to remind you that I am going to begin typing as early as I can, because Mr. Eddings has asked us to get our stencils to him earlier since his recent illness. Please remember that Mr. Michalenka's deadline is the eighth of the month, and mine, for the time being, is the fifteenth. Remember also, for our convenience, that you should send news items to Mr. Michalenka and schedules to me, although this is not mandatory, since if you have both types you may send all to either one of us, remembering our different deadlines, his earlier enabling him to get his material to me before my deadline. After the eighth, everything should come to me anyway.

- HM = HENRY MICHALENKA, RI
- AN = AL NIBLACK, IN
- BF = DAN FERGUSON, FL
- CC = CURN CHADWICK, NE
- PL = PAUL D. LYNCH, S. VIETNAM
- RW = RICHARD E. WOOD, LA
- WH = WESLEY HUGGINS, NC
- SH = STEVEN J. HANDLER, IL
- RS = ROBERT SAWALLES, VA
- KS = KENNETH STANTON, CA

- WRTH = WRTH
- GC = GREGG CALKIN, ON, CANADA
- AS = AL SIZER, CT
- DJ = DAN JAMISON, VA
- HQ = HEADQUARTERS, PA
- JS = JOHN T. SONEFF, LA
- RP = RALPH W PERRY, IL
- AK = ANDY KERR, OR
- JB = JERRY BERG, MA



QSL REPORT

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Phone 1-613-233-6181
(Anytime after 0100)

Deadline 15th of the Month

Note: Scoreboard report forms as well as QSL report forms can be had by sending SASE (Canadian stamps only!) or a #10 size envelope and 2 6¢ USA mint stamps (do not affix to envelope!). Foreign language report forms are also available. Write for full info.

SCOREBOARD

Again this month we are featuring our tri-monthly SCOREBOARD feature to which we invite all members to contribute. The next Scoreboard will appear in the June Frendx when the spotlight will be on Africa and subsequently in September (Asia) and November (Europe). Deadline for contributions is the 15th of the month preceeding. This month the spotlight is on North America and we remind you that the column headings are: HIC/VIC (Countries Heard and Verified) and HIS/VIS (Stations Heard and Verified).

N°. Name/Location	HIC/VIC	HIS/VIS	HIC/VIC + N. AMERICA PRIZED QSL
1. Don Jensen, Wisconsin	203 200	---	23 23 Turks & Caicos, 8000
2. Bob Padula, Australia	199 187	---	19 17 Godthab, Greenland
3. Barry Williams, New Zealand°	196 187	---	19 19 VE9AI, 9540 kHz/Canada
4. Gerry L. Dexter, Wisconsin	193 190	837 613	21 21 Barbados relay 10528
5. Ernest S. Behr, Ontario	188 123	855 175	20 12 Radio Swan, 6000 kHz
6. Bill S. Sparks, California	185 180	---	18 18 Circuito RPC/Panama 9685
7. Marlin A. Field, Michigan	185 177	645 514	18 18 R. Caribe, D.R. 9485
8. Alan H. Roth, Connecticut	183 164	494 376	20 18 ZNX32, Barbados relay
9. Dan Henderson, Maryland	182 155	---	18 15 R. Zelaya, 5950 kHz
10. Tom B. Williamson, Ontario°	180 168	---	---
11. James W. Young, California	177 126	---	---
12. Wendel Craighead, Kansas°	176 155	---	18 16 CKFX, Vancouver, 6080
13. Gregg A. Calkin, Canada	174 158	---	17 16 Godthab, Greenland 5980
14. Alvin Sizer, Connecticut	174 149	475 169	17 16 R. Maya de Barillas 2360
15. Edward Shaw, Virginia	173 140	386 221	17 16 CFVP Calgary, 6030 kHz
16. Robert Shepherd, Australia°	170 151	---	--- CJCX, Sydney, 6010 kHz
17. Marvin E. Robbins, Nebraska	168 142	620 344	24 22 CKFX, Vancouver, 6080
18. Hiroatsu Matsuura, Japan/Minn.	164 150	---	14 14 R. Universidad/Mex.6045
19. Jerry Berg, Massachusetts	164 149	---	20 19 ZNX32, 7547 kHz relay
20. Dan Ferguson, Florida	160 ---	---	17 ---
21. Craig Koukol, Illinois	158 130	---	16 13 R. Greenland 3999 kHz
22. Arthur Poulis, Massachusetts	154 113	---	17 13 R. Greenland 3999 kHz
23. A.E. Martin, England	153 134	---	19 13 Guatemala City, Guat.
24. Kris Lemna, Indiana	153 116	---	---
25. Mike Macken, Massachusetts	153 92	---	15 5 CHNX, Halifax, 6130 kHz
26. Del Hirst, Texas°	150 104	341 108	16 13 R. Cristal, Dom Rep 5005
27. Bruce W. Churchill, Calif.	147 121	---	12 9 R. Greenland 5980 kHz
28. Bill Martin, Delaware	145 86	---	15 8 CFVP, Calgary, 6030 kHz
29. Chris Lobdell, Massachusetts	151 120	250 170	18 14 R. Greenland, 5980 kHz
30. Bob Hagerman, Michigan°	139 111	371 157	16 14 R. Nac. Quezaltenango
31. Ralph Perry, Illinois	139 110	---	---
32. Richard Anderson, Illinois	130 115	---	15 14 CFVP, Calgary, 6030 kHz
33. Bob Brode, California	130 66	311 85	13 7
34. Danny Jamison, Virginia°	128 53	237 ---	---

35. Tom Neely, Michigan	126	107	---	---	15	15	Radio Americas, 6000
36. Bill Eddings, Pennsylvania	122	103	168	151	18	18	ORTF/Martinique 3315
37. Terry Adkins, California	121	85	210	98	16	9	CHNX, Halifax, 6130 kHz
38. Edward F. McElwain, Colorado	119	82		98	14	9	R. Belize, 3300 kHz
39. Steve Kamp, California/Texas	117	99	253	173	18	13	R. San Juan, DR 3375
40. Rich Charnes, Massachusetts	117	73	176	85	16	8	R. Reloj, 6206 kHz
41. Andrew Pappas, Illinois	116	98	---	---	--	--	-----
42. Richard L. Murphy, Texas	116	92	---	---	14	14	YSS, El Salvador 6010
43. Michael Seth, New York	116	73	253	81	--	--	-----
44. George Schnabel, New York	113	90	---	---	17	11	L/V de Occidente 5060
45. Al Reynolds, North Carolina	113	82	178	95	13	10	WIBS/Grenada 11970 kHz
46. James S. Hurst, Maryland	112	95	161	132	15	12	R. Atenea, C.R., 6150
47. David R. Alpert, Illinois	112	93	---	---	--	--	Radio Belize, 3300 kHz
48. Henry Michalenka, Rhode Island	111	94	171	108	16	15	R. Greenland 3999 kHz
49. Thomas Henry, New York°	111	76	174	86	--	--	-----
50. Greg Kelley, Virginia	110	68	130	75	--	--	-----
51. Richard S. Heggs, E. C.	106	88	150	104	15	13	R. Belize, 3300 kHz
52. Jerry L. Green, Virginia°	105	81	132	81	15	11	R. Belize, 3300 kHz
53. Carroll R. Patterson, Georgia	102	85	240	131	15	11	4VEB, R. Carabes 6020
54. Jerry M. Stuart, Oklahoma	100	88	150	135	16	12	Radio Reloj, 6206 kHz
55. John Zaharek, Connecticut	100	87	161	123	14	13	ORTF/Martinique 3315
56. Price Kagey, California°	98	87	---	---	15	10	-----
57. Barry Glassberg, New York°	98	75	---	---	15	11	Radio Belize, 3300 kHz
58. Harold Kalkstein, Penna.	95	55	130	65	15	6	WINB, Red Lion, Penna.
59. Mark Duba, Vt.	95	48	121	99	14	10	-----
60. Irwin Glasberg, P. Q.	94	84	169	114	14	10	4VEH, Haiti, 11835 kHz
61. Kim Stenson, Vermont	94	68	128	77	--	--	-----
62. Leon Segal, New York	93	54	---	---	--	--	-----
63. Mario A. Sala, California	92	49	124	55	--	--	-----
64. Alan Jeeves, Penna./D.C.	92	23	---	---	15	5	TGNA, Guatemala, 5955
65. Thomas B. Alleman, New York°	91	79	117	99	12	9	-----
66. William G. Caldwell, California	91	72	---	---	12	12	XEHH/Mexico, 11880 kHz
67. Dennis P. Driscoll, N. C.	90	60	150	85	--	--	HISD, Dom. Republic
68. Bob Kirkpatrick, B. C.°	88	71	97	79	12	8	WIBS, Grenada, 21690
69. Jean Burnell, P. Q.	87	63	141	87	11	10	Radio Exitos, D.R. 3365
70. Thomas E. Jones, Minnesota	86	55	135	70	13	7	R. Belize, 3300 kHz.
71. Stanley D. Mayo, Maine	85	79	---	---	11	11	R. Americas, 6000 kHz
72. David Volle, Illinois	85	72	125	82	15	14	YSS, El Sal., 5980 kHz
73. Tom Walsh, Massachusetts	84	26	105	26	15	3	Bonaire, 11730 (RNL)
74. Harry Smith, Ohio	83	75	---	---	13	13	Swan Island, 6000 kHz
75. Ron J. Ponke, Michigan	83	33	114	38	15	4	Radio Chortis, 3380
76. Lawrence Scoville, New York	82	75	122	105	--	--	-----
77. John Mraz, Pennsylvania	82	61	111	71	12	9	Radio Reloj, 6207 kHz
78. Robert E. Estand, Texas	81	76	97	91	12	10	R. Greenland 5980 kHz
79. Peter Rudolph, California	81	62	88	64	12	11	San Salvador 9555 kHz
80. Kevin Klemen, Wisconsin	81	29	116	32	--	--	-----
81. Ken Lyon, New York	80	71	109	79	13	11	ORTF/Martinique, 3315
82. Mark Schwing, Colorado	79	64	83	67	13	11	4VEH/Haiti, 9770 kHz
83. Kevin Brown, Michigan	79	57	140	69	5	4	Havana, Cuba 9525 kHz
84. George Morgenstern, Minn.	79	47	91	54	--	--	-----
85. Kim Elliott, Indiana	77	53	99	62	13	9	HRVC, Honduras 4820
86. Robert Moser, Illinois	76	60	---	90	8	6	Belize, 3300 kHz
87. Peter Taylor, Ontario	76	57	108	60	13	10	CHNX, Halifax, 6130
88. D.J. Weber, Ohio°	75	68	---	---	--	--	-----
89. John W. Banta, New York	75	63	90	72	14	10	R. Americas, 6000 kHz
90. Martin Kane, New Jersey	75	55	85	57	12	8	RTV Dominicana 6090
91. Andrew Rugg, Ontario	74	64	121	105	12	11	HRVC, Honduras 4820 kHz

92. Les Gaynor, Michigan	74	62	127	76	--	--	-----
93. John Hedstrom, Illinois	74	59	86	65	--	--	-----
94. Larry Zamora, Texas	74	58	111	76	14	12	R. Américas, 6000 kHz
95. William White, New Jersey	74	51	108	60	13	6	4VEH, Haiti/15280 kHz
96. Mike Watman, New Hampshire	72	61	89	61	14	9	WIBS, Grenada/11970
97. Thomas O. Clark, Ohio	72	57	80	65	13	7	Radio Belize, 3300
98. Scott Moeller, Pennsylvania°	72	41	85	47	9	5	WIBS, Grenada, 11970
99. John L. Kolb, California	71	59	83	67	11	10	R. Univ. de Sonoro
100. Robert E. Byers, Ontario	70	62	85	70	4	4	-----
101. Alan Macnaughton, Ontario°	70	50	83	55	--	--	-----
102. Rick Loustau, California	70	43	83	47	--	--	-----
103. Greg Barman, Illinois°	70	30	83	35	12	4	CFRX, Toronto, 6070
104. James Ducharme, Massachusetts	70	8	87	8	12	2	R. Nederland/Bonaire
105. Don Anthony, Connecticut°	69	33	99	40	8	4	TWR/Bonaire, 11820
106. Edward J. Pyatt, Georgia°	68	63	80	75	--	--	-----
107. Terry R. Hicks, Florida°	67	44	83	57	--	--	-----
108. Mrs. Mildred Marshall, N.Dak.	66	63	97	85	6	6	TIRICA, San José 9615
109. Jim Weber, California	66	45	71	47	--	--	-----
110. Len Hoskins, Wisconsin	65	64	103	92	9	5	-----
111. Mark Mohrmann, New York	65	53	117	78	9	7	Radio Reloj, 6206 kHz
112. John Walenter, Illinois	63	49	---	---	11	8	4VEH/Haiti, 9770 kHz
113. Ira Wagner, New York°	63	23	---	---	--	--	-----
114. David Dunn, Texas°	62	53	113	64	--	--	-----
115. Geoff Oates, B. C.	62	52	78	69	7	4	VOA/WLWO, Ohio, 11790
116. Don Adams, North Carolina	60	50	63	53	9	7	HISD, D.R., 9505 kHz
117. Bert Adams, Ontario	60	49	--	--	8	6	WIBS/Grenada, 3280 kHz
118. Mark S. Konen, Wisconsin	60	45	72	51	9	6	HRVC, Honduras 4820 "
119. Barry Thedword	60	25	--	--	--	--	-----
120. Chris Kennedy, Maryland°	59	47	60	47	9	5	HISD, D.R., 9505 kHz
121. Paul M. Steen, Guam°	58	50	81	67	--	--	-----
122. Mitchell Lewis, North Carolina	58	22	73	22	13	3	Bonaire, 11835 kHz
123. Brent Hailpern, Colorado	57	34	83	44	--	--	-----
124. Ron Bruns, Missouri	56	38	70	43	11	6	Radio Belize, 3300 kHz
125. Guenther Tumas, Pennsylvania	56	31	64	33	7	3	-----
126. Ivan Grishin, Ontario	56	36	59	39	8	4	4VEH/Haiti, 11835 kHz
127. Steven Handler, Illinois	53	46	75	61	11	7	4VEH/Haiti, 15280 kHz
128. Bob Peritz, New York	52	47	59	53	9	7	WIBS/Grenada, 11970 "
129. Angelo Coppola, Italy	52	44	65	53	2	2	AFRTS, 21500 kHz
130. Johnie Gager, Idaho	51	35	57	38	7	4	TWR/Bonaire, 11790 kHz
131. Steven Fix, New York	50	31	86	--	7	4	R. Havana Cuba, 9525
132. Audie Kaufman, Tennessee	49	44	63	52	9	7	4VEH/Haiti, 9770 kHz
133. Anthony Marks, Oregon	48	39	58	46	--	--	-----
134. Tom Blossom, Indiana	48	37	53	39	--	--	-----
135. Dan Kening, Illinois	48	36	57	37	--	--	-----
136. Jack L. Callaway, Tennessee	48	25	55	29	--	--	-----
137. Andy Kerr, Oregon	44	38	63	59	8	5	CKFX, Vancouver, 6080
138. Edward Fudman, Maryland	40	28	43	30	--	--	-----
139. Cal Cornils, California	33	31	42	39	--	--	-----
140. Duane Gettings, Ohio	32	4	33	4	5	1	Radio Nederland/Bonaire
141. Mike Clyburn, Florida	28	24	28	24	5	4	4VEH/Haiti, 9770 kHz
142. Bruce Green, Ontario	27	16	32	18	4	2	WINB, Red Lion, Penna.

And apologies to the following two gentlemen whose cards were misfiled:

55b. John T. Soneff, Louisiana	99	76	186	87	15	12	-----
57b. Wesley Huggins, North Carolina	95	70	111	89	14	11	Radio Belize, 3300 kHz

°We would be grateful if those so indicated would update their totals before May 15th.

QSLs RECEIVED

The last month has certainly been a fantastic thirty-one days for many NASWA members as the following list of QSLs with testify. It is my normal practice to point out some of the more interesting QSLs at the beginning of this section and this month will be no exception, although the list is somewhat longer: Phnom Penh (Cambodia), Radio Barlavento (Cape Verdes), RTVC/Pointe Noire (Congo), Radio España Independiente and Radio Libération (both Clandestine), Deutschlandfunk (via DW/GFR), Radio Nordsee International (International Waters), Forest Side (Mauritius), Radio Pyongyang (North Korea), Radio Norway/Tromsø (Norway), Radio Harcerska (Poland), FDRSYBS (South Yemen), Voice of the Coast (Trucial States) and last, but not least, VSI8 (Turks & Caicos).

AFGHANISTAN: Kabul, 15265, map card in 2 months for mint stamps and S.A.E. (Magne)

ALBANIA: Radio Tirana, 9500, card in 3½ months for taped report. No IRCs (Marks) new style folding card showing view of station bldg; 11980; 10 wks sea (Padula) 78 d. by registered seamail; no IRCs (Green) 3 months after registered f/up (Berg)

Radio Peking, Tirana, no data card with only thank-you statement (Smallshaw)

ALGERIA: RTV Algérienne, 11715, card in 72 days seamail for 1-IRC; + sked and rpt form card. QSL features drawing of camels and drivers (Watman) black/gold card in 10 wks for French rpt and mint stamps (Berg)

ANGOLA: Voz de Angola, 5960, colorful p/card w/full data on reverse; 10 wks for rpt in English w/2 IRCs (Kusalik) 9660, card w/full data, but incorrect year. 6 wks for 3 IRCs (Estand)

Radio Clube do Huambo, 5060, colorful card of native drummer and palm tree; 19 days air for Portuguese report w/2 IRCs. Has vague QSL info in 6 languages (Hall) 2 weeks air for S.A.S.E. (Field)

Radio Clube do Moxico, 5192, letter and Angolan stamps in 18 days from Ivo Miranda Ferreira, Direccao O Presidente (Dexter)

Radio Clube do Cuanza Sul, b/w card, picture of studio, in 37 days air for 2 IRCs. Card is in 5 languages, including English and lists SW as 2 kW, but has little QSL info otherwise (Hall)

AUSTRALIA: Radio Australia, 15150, sent Darwin p/card QSL in 60 days seamail. No IRCs (King) 9580, card in 84 days seamail. No IRCs (Green)

VLI6, Sydney, 6090, map card air in 3 months, 8 days air; 3 IRCs (Magne) 1 month air for 1-CRC (Heggs)

VLX9/VLW9, Perth, 9610, blue/white Western Australia map card w/sked; by air in 3 months (Chadwick) 7 weeks air for 1-IRC; complete veri (Taylor) 15425, 19 days air for 2 IRCs (Duba) 1½ months for mint stamps (Handler) 18 wks air for 2 IRCs (Burnell) 57 days for 15425 (Bruns) 150 days for mint stamps (Brooks)

AUSTRIA: ORF, Vienne, p/card QSL of Salzburg cable car in 1½ months for 15200 kHz. 3 IRCs sent; full veri (Handler) 2½ wks air for 1-IRC (Ricchezza) 35 days for IRCs; card shows the Tirol area of Austria (Brooks)

AZERBAIDJAN SSR: Radio Station Mayak, 6110, was verified via Moscow in 34 days, clearly stating "Radio Statio Mayak via Baku". (Sizer)

BOTSWANA: Radio Botswana, 4845, colorful p/card of Fish Eagles, Chobe National Park; in 30 days air for mint stamps. Signer is the Chief Engineer (Hall) 6 wks on the 3rd try. S.A.S.E. sent w/rpt (Field)

BRAZIL: Radio Clube Ribeirão Preto, 15415, letter and decal in 1 month seamail. Rpted in Portuguese w/3 IRCs and some U.S. postals (Soneff) Yes, John, that is a definite verification statement (Ed.)

Radio Nacional, Rio, 2 view cards, each rubber stamped: "QSL Radio Nacional Rio, Brasil" and listing frequencies and station info. 5½ wks sea for rpt on 11795 kHz in Portuguese w/2 IRCs (Soneff)

Radio Soc. de Feira de Santana, 4765, card and letter and 22nd anniversary souvenir pennant in 6 weeks for S.A.S.E. V/S: Fr. Ambrosio Bezerra Lobo who is the same individual as the previously reported V/S: Fr. Agatangelo (Field)

BRITISH HONDURAS: Radio Belize, 3300, tan map card in 25 days for 3 IRCs and registered report. V/S: J. Sandford, Chief Broadcasting Officer (Roberts) 34 days (Jones)
BULGARIA: Radio Sofia, 9700, card, letter and sked in 65 days seamaile. No IRC (Green) 3 months after f/up; 8 months total. No IRCs (Berg)
BYELORUSSIAN SSR: Radio Moscow, Minsk, card w/full data and site from Moscow (Soneff) 9655, card in 6 wks, w/site (Behr) 21585, full data card by air in 4 wks w/site (Padula)

CAMBODIA: Radiodiffusion Nationale Khmère, Phnom Penh, 9695 sent carbon-copy personal letter in French w/QSL statement and frequency, stating they would be pleased to verify further reports from me. 11 weeks for registered letter in French and mint stamps.

V/S: Im Saroeun, Bureau Technique de la Radio et de la Télévision (G. Fisher)

CAMEROON: Yaoundé, 4972, 2 map cards in 1 month. 2 IRCs (Behr)

CANADA: RCI, 9625, card of Anik I satellite, w/sked in 1 month. Full verie (Banta) new blue Anik card; 17820 kHz in 11 days (Calkin) 11945, 22 days from V/S: Brian Townsley. (Volle) 15 days for 9625 (Handler)

CBC Northern Sce, 5970, Eskimo Sculpture card in 17 days for 1-IRC (Clark)

CFRX, Toronto, 6070, p/p/card w/full data. 1-IRC sent; reply in 1 wk (G. Fisher) 10 days from V/S: Clive Eastwood. 2 IRCs sent (Duba)

CHNX, Halifax, 6130, full data card in 34 days for 2 IRCs (Duba) 12 days for mint stamps (Handler) 4 weeks air. No IRC (Ricchezza) 11 days for 2 IRCs (Charnes)

CJCX, Sydney, 6010, green/white card w/date and frequency; 1-IRC sent; reply in 6 days (Fisher) 12 days for 1-IRC (Duba) 8 days for 6010; dime sent (Sizer)

CKFX, Vancouver, 6080, letter w/no date and does not specify frequency (Fisher)

CKZU, Vancouver, 6160, domestic service card without time; 1-IRC sent; reply in 1 week (G. Fisher)

CFVP, Calgary, 6030, photo card in 3 weeks for taped rpt; no IRCs (Marks) b/w card in 2 months; stamps sent (Smallshaw) 41 days air for 1-IRC; no time given (Gero)

CKZN, St. John's, Nfld., 6160, CBC domestic Sce card w/out time. 1½ months for 1-IRC (G. Fisher) blue card in 2 months for mint stamps (Magne)

CFCX, Montreal, 6005, card w/date only and frequency (Grishin) 48 days for 1-IRC (Duba)

CAPE VERDE ISLANDS: Radio Barlavento, CR4AC, 3930 kHz replied with green/red/white cd w/radio tower and dancers drawing, listing 3960 kHz. Returned QSL and new card rcvd w/correct effective frequency listed: 3930. 18 days air for 2 IRCs; friendly messages on both cards in English (Hall)

Radio Clube de Cabo Verde, Praia, 3883 kHz, card in 1 month air on 4th try for S.A.S.E. (Field)

CENTRAL AF. REP: Bangui, 5035, sent OCORA card in 14 days for French rpt and 3 IRCs (Calkin) form letter in 3 weeks for 2 IRCs (Behr) 21½ months from original tape; 26 days after f/up, but no mention of previous tape (Hall)

CEYLON: CBC/11800, Botanical Grdns cd in 5 months; 3 IRCs (McElwain) 3 wks after f/up w/mint stamps; 8 months total. Rpted to and card from Colombo (Berg)

CHINA (PR): Radio Peking, 15060, p/p/card in 10 wks for 2 IRCs. No data; other books and papers sent (Schied)

CLANDESTINE: Radio España Independiente, 14480, card and personal note in 6 weeks; postmarked from "93 Drancy Seine St. Denis" (Field) Address for reports is P.O. Box 359, Prague 1, Czechoslovakia (Ed.)

Radio Libération, La Voix du Gouvernement Révolutionnaire Provisoire de la République du Sud Vietnam sent a letter from Paris with verie statement, date of reception and full sked, + government seal in lower right. Dated January 5 in South Vietnam (theoretically) and mailed from Paris, using a different typewriter on Feb 2; by air. 6 months total for English report and IRC (Berg) Address for reports is: Radio Libération, c/o Bureau d'Information du G.F.P. de la République du Sud Viet-Nam, 39, Avenue Groges Mandel, Paris (16è). (Ed.)

COLOMBIA: Emisora Atlantico, Barranquilla, 4905 kHz, Spanish letter form in 3 months w/ large pennant. No V/S (Roth)

COLOMBIA: Radio Colosal, 4945, letter and pennant in 10 days on 2nd rpt for mint stamps.
V/S: Samuel Sanchez Camargo, Publicidad y Propaganda (Sparks)

Radio Sutatenza, 5095, folder QSL in 10 weeks for rpt in Spanish w/2 IRCs. No time given (Taylor)

Emisora Nueva Granada, 6160, letter and 18" blue/white/red cloth pennant;
V/S: Jardany Suarez Ramirez, Vice-Presidente (Estand) 2 weeks air for 3 IRCs and US mint stamps (Estand)

Transmisora Apolo, Bucaramanga, 2680, letter, airmail by special delivery from Jesus Maria Palomino Rubio, Director. 2 weeks (Dexter)

CONGO (REP): ORTF, Brazzaville, 15190, folder QSL in 12 weeks air w/complete data. IRC (Watman) 5 months for 3 IRCs (Magne) 5 weeks air; IRCs (Hurst)

Radiodiffusion Télévision Congolaise, Pointe Noire relay, 4843 kHz, card in 15 days airmail, specifying site (Dexter) for Brazzaville on 9715 an Africa map cd w/all details. 11 weeks air for registered airmail report in French w/2 IRCs (Padula) for Pointe Noire, card in 6 weeks (Field)

COSTA RICA: Radio Casino, 5954, green English/Spanish card and nice small pennant; 2½ months air. Rpted w/p/card and IRCs (Soneff) 3 months, 10 days air (Magne) 3 months after f/up w/mint stamps; 8 months total (Berg) 12 days, returning IRCs (Kolb)

CUBA: RHC, Havana, 9525, large contemporary style 10th anniversary card w/info on contest; 6 months (Smallshaw) 9525, 324 days seamail (Bruns)

CZECHOSLOVAKIA: Prague, 5930, card of castle, by air in 45 days (Banta) blue card of city roof design and info on DX Club; 51 days for 7345; no IRCs (Thedford)

DODECANESE ISLANDS: VOA/Rhodes, 6015, star card w/frequency, date and site in 1 week from V/S: Peggy Mathias. No IRCs (Soneff) 5 days for 7110 for mint stamps (Charnes)

DOMINICAN REPUBLIC: L/V de las Fuerzas Armadas, 4825, card and pennant in 11 days for f/up with mint stamps (Sparks)

Radio Comercial, letter in Spanish in 40 days for mint stamps. V/S is John Diaz. Rpted in English (Brooks)

ECUADOR: HCJB, 11745, photo card QSL in 2 months seamail. No IRCs (King) 17890, 95 days seamail and 11745 in 134 days. No IRCs (Green)

Radio Iris, Esmeraldas, 3375, card, letter and pennant plus stamps and p/card of Sto. Domingo de los Colorados Indianos. V/S: Daniel Alvarez T., Gerente-Proprietario for SASE (Field)

Radio Quito, 4923, letter in 22 days w/veri statement saying very anxious "to make friends beyond our borders". V/S: Margarita Hidrobo O., Secretaria. IRC (Smallshaw) 20 days for mint stamps; by letter and pennant (Handler)

EL SALVADOR: YSS, 9553, card, brochure and pennant in 1 month for 2 IRCs (Smallshaw)

ETHIOPIA: ETLF, Addis Ababa, separate cards for 11850 in 7 months and 15175 in 5 months by seamail, w/skeds. No IRC (Padula)

FINLAND: Helsinki, card, sked and booklets in 35 days air (Leger) 2 months air (S.Kamp)

FRANCE: ORTF, Paris, 7155, orange card in 17 weeks air. No IRCs; full data (Grishin) 17730, QSL and p/card in 130 days. No IRC (Jones) 4 months air w/sked (Ricchezza) for taped report on 15295 in only 20 days air. No IRC (Marks) 48 days (Bruns) 4 months w/apologies for the delay in replying (Kolb)

GABON: Libreville, 4777, card, restyled OCORA, in 10 months (Henderson) 6 weeks airmail for English rpt w/2 IRCs (Kusalik) 4 months for French rpt and tape w/mint stamps (Lobdell) 2 months air for 3 IRCs and local p/card (Burnell)

GALAPAGOS IS: L/V de Galapagos, 6254 sent nice long Spanish letter w/full data in 3 months plus beautiful pennant. V/S: Fr. Carlos Uria Sandoval. Mint stamps (Lobdell)

G.F.R. Bayerischer Rundfunk, 6085, b/w photo card of sheep/antennas, w/date and freq. and German/English acknowledgements; 11 days airmail for English rpt and 2 IRCs (Soneff)

Deutsche Welle, Köln, 6145, blue cd w/full data and sked in German. 6 wks air (Banta) 48 days for 9545; 3 IRCs (Thedford)

G.F.R. Deutschlandfunk, via DW, 7130 kHz sent beautifully designed bright orange/green/blue/black/white card commemorating the '72 Olympics, plus colorful pennant, wall poster, sked and books on the Federal Republic. A separate letter from Dr. Lore Schulz of their Italian Dept. said that mine was their first from America and requested more rpts on their 1725-1755 Italian programme "La Germania vi Parla"; 4 wks air for mint stamps and local p/card (Calkin)

Südwestfunk, 7265, sent attractive map card w/full data, sked and power. 2 wks for 2 IRCs (G. Fisher) green map card in 18 days (Magne) 5 weeks for 2 IRCs w/power typed in as 1.5 kW (Berg)

GHANA: Accra, 11850, regular card w/full data and sked; 6 wks (Banta) 28 days air for 11850; 3 IRCs (Thedford) 3 months after 3 tries (Handler) 29 days air for 21545 (Lynch)

GUATEMALA: TGNA, 5955, card, sked, pennant and letter from Wayne Berger, w/apologies for delay due to personnel shortage; 14½ months air (Volle) 2½ months air (Roberts) 74 days air for 3 IRCs w/sked listing their new freq. as 9505 (Michalenka) 5 months for 3 IRCs (Kolb)

Radio Maya de Barillas, TGBA, Huehuetenango, 2360, replied with friendly letter from Loran W. Veith, Jr., Director who says station is run by the Central American Mission, uses 250 watts and will soon run 1 kW on 2300 (Hall) 16 days air for English rpt and 2 IRCs (Sizer) Welcomes Rpts (Ed.)

HAITI: 4VEH, 11835, red/black folder, religious lit. & sked in 2½ months air for 3 IRCs from Mrs. Kent Ragsdale; full data (Roberts) 9770, 5 weeks w/letter (Banta) 2450, 16 days for 3 IRCs and S.A.E. (Magne) 46 days w/white cd showing beach scene (Bruns)

Radio Lumière sent friendly airletter from Rev. Louis A. Markwood, Director, saying RL has not been on SWBC on either 2410 or 6100 since 1/1/70 due to increased taxes and the need to economize (Hall)

HAWAII: WWVH, 5000, card showing Hawaiian beach scene in 12 days (Brooks)

HONDURAS: HRVC, 4820, white card w/date and other details in 46 days airmail. 2 IRCs (Thedford) 1 1/4 months for 2 IRCs (Handler) 24 days air for 1-IRC (Leger)

L/V del Junco, 6077, card and pennant in 12 days for mint stamps. V/S: Sr. Antonio S. Hasbun Y., Director (Sparks)

Radio Suyapa, HRQ, sends Spanish letter on attractive stationary, plus 31st Anniversary pennant and p/card. 4½ months air for Spanish rpt and IRC. V/S: Francisco Elortegui, Gerente (Gerg) (Padula)

HUNGARY: Budapest, 6110, card w/view of Parliament Houses, all details, 10 wks sea //

INDIA: AIR, 11810, card of Pearl Mosque/Red Fort w/full data in 40 days air. No IRCs (Duba) 9755, air in 8 weeks, but gave frequency incorrectly as 9912 (Padula) 15190, p/card QSL in 30 days air w/sked. Full verification data (Lynch)

INDONESIA: Radio Angkatan Udara, Djakarta, 11320, letter in English from V/S: F. H. Hasibuan in 12 weeks by air; 1-IRC. V/S advised that QSL card would follow (Padula)

RRI, Djakarta, 6045, card and sked in 2 months for 4 IRCs (Brode)

INTERNATIONAL WATERS: Radio Nordsee International sent friendly letter from V/S: Miss E. Pfister for reception last July. Letter was dated and mailed August 3/70, but only just arrived the 1st of February!! being held up in local P.O. Letter contains definite verie statement and regrets their inability to send QSL-card due to the many problems which have plagued RNI since first coming on the air and have consequently had to "leave certain things like QSL-cards and other promotion material aside" for the moment (Ducharme) and so it still is (Ed.)

IRAN: Radio Iran sent large white card, registered air, for 12176 in 3 months. Sent rpt registered (Sizer)

IRAQ: Radio Baghdad, 11785, blue/yellow map card in 21½ months from original tape, 7 months from f/up by air. No mention of tape (Hall)

ISRAEL: Jerusalem, 9625, 17th Century view card of Jerusalem in 60 days seamail. No IRCs; full data (King) 9 weeks air; no IRCs; full data (Grishin) 1½ months for 3 IRCs (Handler) 9009, cd in 5 weeks air; 1-IRC (Ricchezza) 28 days for 2 IRCs (Bodker) 43 days for 2 IRCs (Kolb)

ITALY: RAI, Rome, usual card in 12 wks sea (Leger) 9575, 98 days w/map cd (Bruns)

JAPAN: NHK, 17825, 35th Anniv. cd in 67 days seamaile, returning IRC, and enclosing sked rpt form and 1971 calendar plus RJ News (Watman) 15445, 6 weeks for 2 IRCs returned. (Bodker)

NSB, Tokyo, 3945, tan/maroon mike card airmail w/full data; 2 yrs! 3 IRCs (Shaw) 9595, 1 month for 1-IRC (Magne) 2nd cd for 1 rpt; rcvd 15 wks after 1st card; 22 weeks after report. By air for 1-IRC w/original (Berg)

FEN, Tokyo, white/blue card w/mike and camera drawing, plus large letters: "QSL" in 2 wks after f/up; 6½ months total. V/S: Frank J. Morris, Major, USAF (Berg)

KAZAKH SSR: R. Moscow will not verify rpts on Alma Ata, 10530 according to Mrs. Stepanova. She advises to write to the Ministry of Communications, 7 Ulitsa Gorkogo, Moscow (Sizer)

KOREA (DPRK): Pyongyang, 6540, beautiful painting card of Mother and children w/full data. 5 months seamaile; no IRCs. Also sent me newspaper and several p/cards (Magne)

LEBANON: RL, 11925, station picture card in 151 days (Bruns)

LIBERIA: ELWA, 11940, African drummer card, sked and religious material by air in 5 weeks for 1-IRC (Padula) 34 days air for 2 IRCs (Hall)

VOA, Monrovia, 15445, projection card and skeds in 4 days! from Vivian Despot who gives the site, date and frequency. No IRC (Lewis)

LITHUANIAN SSR: "Radio Vilnius" programme, 7310, traditional plant design card in 2 months for mint stamps (Magne) green flower card in 3 months seamaile (Grishin)

LUXEMBOURG: Radio Luxembourg, 6090, antenna towers card and crest from Villa Louvigny in 2 months for 2 IRCs. All data (Heggs) 2 months; 1-IRC (Behr) 46 days seamaile for 2 IRCs (Duba) 7½ weeks for 6090 (Charnes) 10 weeks for 1-IRC (Burnell)

MALAYSIA: BBC relay, 11855, Thames card from London w/location typed in; 7 weeks air (Taylor) 11850, Thames card and letter from V.R. Pressman containing veri statement for relay; 3 weeks air; no IRCs (Pappas) 1½ months from London (Handler)

Voice of Malaysia, 11800, flag and map card in 26 days seamaile w/sked and studio p/card. No IRCs (Lynch)

MARTINIQUE: ORTF, Fort-de-France replied w/friendly letter in French; 14 days from V/S: L-M. Cohic (G. Fisher)

MAURITANIA: Nouakchott, 4850, 4-color card in 6 weeks for 2 IRCs (Behr) 34 days sea for 3 IRCs and local p/p/card (Roberts) 22 months from original tape and only 23 days from f/up in French. \$1 enclosed for return postage (Hall)

MAURITIUS: MBC, Forest Side, card w/all data except time for their reserve frequency of 4870 kHz. By air in 6 weeks for 1-IRC and advised that mine was the 1st rpt received for this frequency (Padula)

MEXICO: Radio Universidad, Hermosillo, white card w/station symbol, calls and frequencies on front w/para on station, in English/Spanish. 6 months air for Spanish rpt and 1-IRC (Berg) 3½ months for 2 IRCs; 6115 kHz (Kolb)

MONACO: Radio Monte-Carlo, 7135, antenna card with veri statement in French only; 1 month seamaile. No IRCs (Soneff)

TWR, 7290, b/w photo card, sked, pamphlet & questionnaire; 1 month by air. 3 IRCs (Chadwick) 29 days air; 3 IRCs (Duba) 20 days w/data on station for 2 IRCs; full verification (Handler) 9680, 10 wks seamaile (Padula) 7 days air w/sked (Roseliep)

MOROCCO:RTM, Rabat, 11735, folder card in 2 months for 3-IRCs and local p/cd; no details (Burnell) 2 months after f/up w/mint stamps; 8 months total; by air (Berg)

MOZAMBIQUE: RCM, 11780, p/p/card QSL of Hq. Bldg, 2 months, 10 days air for 3 IRCs w/sked and letter (Magne) 6050, card in 7 wks, sked in 8; 3 IRCs (Brode) 4855, 34 days air (Hall) 11780, 20 days for 2IRCs (Kolb)

NEPAL: Kathmandu, 11970 kHz replied sending a white card in 9 weeks; 2 IRCs (Behr) 31 days with full data (Roth)

NETHERLANDS: Radio Nederland, 17810, time zone card in 17 days air; no IRC (Lynch)

NETHERLANDS ANTILLES: Radio Nederland, 11730, blue world time zone card in 17 days for mint stamps. (Burns) card in 12 days air (Roseliep)

TWR/11815, card w/picture of xmttr in 2 months seamail. Full data (Grishin) 12 days for mint stamps (Brooks)

NEW CALEDONIA: Nouméa, blue/black/white card w/drawings of island and antenna. Full verification in French for rpt in English w/2 IRCs. 1 month air (Schwing) 2 cards in 2 months, 4 days for 3 IRCs and SWL card; other in 35 days for mint stamps (Roberts) 2 months air for English rpt w/3 IRCs (Gero) 41 days for 7170 kHz; 3 IRCs (Kolb)

NEW GUINEA: Radio Wewak, 3335, map/information sheet QSL w/full details from F. Griffiths, Asst. Station Manager. Noted QSL as for 1st US RR(rpt)for 1971. 2 wks (Hurst)

NEW ZEALAND: RNZ, gray card w/globe drawing, sked, travel folder and Kiwi pin; 18 wks after f/up; 9 months total. 1-IRC (Berg)

NIGERIA: NBC, 15200, green/white "flag" card in 20 days air w/sked. 3 IRCs, but they penned note that IRCs are not needed (Estand) Ikorodu (Ed.)

NBC, Enugu, 6035. F/up sent and verie card stating Enugu rcvd in 1 month. The earlier card, incorrect, had stated Ikorodu site (Dexter)

ECBS, Enugu, 7305, mimeo form letter from the Head of Engineering Div., in 5 weeks air (Dexter) form letter w/veri statement, but no other data, in 1 month air for 3 IRCs. Addr: Radio TV House, Independence Layout, P. O. Box 350, Enugu (Berg)

NICARAGUA: Radiodifusora Nacional de Nicaragua, Managua, 11875, letter and tourist brochure in 1 month air for Spanish report and mint stamps. V/S: Tacho Sanchez Diaz, Director Artistico (Roberts)

NORWAY: Radio Norway, 9610, beautiful Norwegian snow scene card in 9 wks air plus tourist folder. IRCs sent (Sawallesh) 9645, winter scene card w/full data and folder in 2 months. No IRC (Schied) Fredrikstad site (Ed.)

Radio Norway, Tromsø, 7240 kHz, photo-type card for rpt on Tromsø, w/full data including site and power as 10 kW! 3 weeks air; no IRCs (Berg)

PAKISTAN: Karachi, 11672, card w/full data in 5½ months air. V/S: Nihal Ahmad (Soneff) green card from Rawalpindi by air in 6 1/4 months. 3 IRCs (Lobdell)

Dacca, 15520, green star card from Rawalpindi by air in 6 months, w/full data. Site not indicated. 3 IRCs sent (Lobdell)

PANAMA: L/V del Baru, 6045. My report sent to the 1970 WRTVH address: Apt. 4824, Panama City has been returned unopened. New WRTVH gives new address: Apt 160, David. Trying. (Hall)

PAPUA: VLT4, Port Moresby, 4890 kHz, full data QSL in 5 wks air for IRCs (Banta) 33 days air for 3 IRCs (Roberts) 3 weeks air for 3 IRCs (Gero)

PERU: Radio del Pacifico, 9675, blue/white/gold card in 2 weeks air for English report w/3 IRCs. Complete and correct data (Estand)

PHILIPPINES: VOA, 15185, card in 2 months. No site given, so have returned requesting transmitter site (Taylor) Likely Tinang (Ed.)

FEBC, 11890, Globe/lightning card, by air in 14 days (Lynch)

POLAND: Radio Harcerska, the Polish Pathfinders Broadcasting Station, 6850 kHz replied to f/up in 1½ months after f/up w/mint stamps; 5 months total saying 1st rpt not rcvd. Station sent two cards: one, a regular QSL specifying date only and the other, a p/card stating original not rcvd and of same frontal design as QSL, i.e. a 4-color drawing of a maiden holding a sword - the symbol of Warsaw, if I remember correctly from a visit in '68. Reported in English and Polish and is for reception in Britain (Calkin)

ROMANIA: Bucharest, 15250, cards w/pics of Histria ruins and of ski chalet in the mountains. Both in 1 month for 3 IRCs (Handler) 6 wks air for 1-IRC (Ricchezza) 1½ mos air, w/sked (Leger)

RUSSIAN SFSR: "Radio Moscow" programme, 9800, multi-colored card w/full details, sked and mailbag note. 2½ months air (Banta) 9680, 24 days air; no IRCs (Thedford)

Additional QSLs have been received from Radio Moscow specifying the individual transmitter sites on the QSLs, as follows: (pto)

RUSSIAN SFSR (continued): Armavir, 9800, card in 6 weeks (Behr)
 Blagoveshensk, 9580, card in 6 weeks (Behr)
 Chita, 9660, card in 1½ months (Leger) card in 7 weeks for
 6060 kHz (Sparks)
 Kazan, 9800, card from Moscow (Leger)
 Khabarovsk, 17775, card in 6 weeks (Behr) 11870 kHz (Dexter)
 Murmansk, 11820, card (Dexter)
 Novosibirsk, 7170, full data card by air in 4 weeks (Padula)
 6130, card in 7 weeks (Sparks)
 Moscow site, 11710, full data card in 4 wks air (Padula,
 Soneff) 9680/9650 (Leger)
 Nikolayevsk, 9735, card in 6 weeks (Behr)
 Petropavlovsk-Kam., 9540, card w/site in 6 weeks (Behr)
 Ulan Ude, 4795 kHz, card in 7 weeks (Sparks)
 Vladivostok, 11850, card in 6 weeks (Behr)
 Yakutsk, 7200, card in 1½ months air from Moscow (Leger)

(Editorial Note: Gentlemen, we would appreciate more details on varied site QSLs; all above had site indicated and were via Moscow, but please indicate whether other material was received; duration and frequencies are often omitted; for which Services you reported, etc..) (Handler)

RYUKYU IS: VOA, Okinawa, 7165, card by air in 3 months. No IRCs (Kusalik) 20 days//
 VUNC, 14462, blue card w/mike, vertical antenna and UN symbol; 1 month,
 10 days air for mint stamps in rpt (Magne) 3 months for US postage, but reply came
 direct (Kolb)

SICILY:RAI/Caltanissetta, 6060, RAI card w/specific veri of Caltanissetts site as per
 request; 11 weeks; IRC s sent (Sparks)

SIERRA LEONE: Freetown, 5980, sent p/card QSL w/full data and stating this frequency's
 transmitter is now up to 10 kW. Sked and aerial information also included; from the CE
 (Calkin) p/card beach scene QSL in 18 days for 2 IRCs (Schwing) 5980, card in 9 weeks
 for 4 IRCs (Brode) 1 month for 5980 kHz (McElwain)

SINGAPORE: Radio Singapore, 6000 kHz, card in 21 days (Matthews) 21 days air; no IRCs
 (Lynch)

SOUTH AFRICA: Radio RSA, 9695, card and Listeners magazine in 14 days air; IRCs (Maslak)
 9705, 14 days w/sked; no IRCs (Gettings) DX-70 contest QSL; 35 days air; no IRCs sent
 (Coppola) ditto for 6050/9755/11970/15440 in 1 month (Lobdell) 21480, 16 days for mint
 stamps (Burns) 21535, 19 days air; no IRCs (Lynch) 11875, 10 days air (Roseliep) DX-70
 card in 4 weeks, specially cancelled for contest (Berg)

Springbok Radio, 7150, beautiful domestic sce card, by 2nd class air in
 4 weeks. 2 IRCs sent (Calkin) 6195, 2 weeks (Smallshaw) 7150, 21 days air for 5 IRCs
 Clark)

SOUTH YEMEN (PEOPLE'S DEMOCRATIC REPUBLIC OF): PDRYBS, Aden, 5060 sent pink card w/
 coat of arms and antenna tower in 2 years w/apology for delay. Postmarked "Aden", w/
 British-style postmark, altho' I had heard that the city had been renamed "Medinat as-
 Shaabi" = "The People's City". (Wood) card in 63 days stating power as 7.5 kW. No IRCs
 (Roth) card w/date and frequency saying rpt has been checked and found correct, plus
 additional handwritten confirmation. 20 days air for 5 IRCs (Sizer) 5060, no time given;
 station apology for delay; 25 months, originally reported w/4 IRCs and have since sent
 several f/ups (Padula) 25 days air using 65 fils of SY stamps (Hall)

SPAIN: Radio Liberty, Playa de Pals, 17750 sent attractive mike/tower/USSR map card,
 w/full data including specification of the Spanish xmtr site. 12 days air for mint
 stamps to GFR office (Calkin) reported direct for 17750, but QSL returned from Munich
 in 27 days w/site checked (Roth)

Radio Nacional de España, 6140, studio photo card in 31 days air. 3 IRCs (Thed-
 ford). 11925, 8 weeks seamail (Magne)

SUDAN: Omdurman, 7205, mimeo letter and travel folder in 17 d. air (Soneff) 2 weeks air
 for mint stamps from V/S: Abdel Rahman Abdel Basit, Int.Relations & Transcript Dept (Berg)

SWEDEN: Radio Sweden, 9725, colored card in 7 days for 2 IRCs. A sked was also rcvd (Burns) 21515, 4 weeks airmail (Padula) 9 days air w/pennant (Leger)

SWITZERLAND: SBC, 9535, Winter games photo card in 1 month air. No IRCs (King) card and report sheets in 1 month air. V/S: J. A. Chisholm (Leger) 3985, b/w skating scene card in 20 days to confirm European Sce. 1-IRC (Hall)

ICRC, Geneva, Red Cross, 7210, card in 2 wks air for 1-IRC. Said they will not verify reports from Europe in future (Magne) card in French in 8 days for 7210 from V/S: G. Penard (Handler) 1 month air; no IRCs (Burnell)

SYRIA: Damascus, 15165, globe card in 6 months after 2 registered letters and a total of 11 IRCs (McElwain)

TAHITI: ORTF/Papeete, b/w mermaid card w/all details incl. sked. 3 weeks for 3 IRCs. Reported in English (Schwing)

TAIWAN: VOFC, Taipei, 15125, map card w/full data, sked, magazine & p/cards in 46 days for no IRCs (Jones)

TANZANIA: RT, 15435 kHz, card in 3 weeks (Brode)

TOGO: Lomé, grey/green/red card in 2½ weeks air for French report and 2 IRCs (Roberts)

TRUCIAL STATES: Voice of the Coast, 6040, letter in 52 days airmail quoting frequency but no time nor date. VS/: H. Abbott who says that transmissions are commercial and the operation is nearly self-supporting; strictly non-political. Letter from Dubai; rpted to Sharjah (Niblack)

TUNISIA: RTT, Tunis, 11970, color card w/full data. 18 days seaimail (Soneff) 1 month air for mint stamps; QSL has attractive photo of Cafe des Nattes (Berg)

TURKEY: VOT, 15160, card in 6 months seaimail. No IRCs (Grishin) 3 months w/skd (Smallshaw) 5 months seaimail (Leger) 5 months for 1-IRC (Burnell) 99 days (Bruns)

TURKS AND CAICOS ISLANDS: VS18, Cable/Wireless, 4560 kHz, replied with a nice QSL letter w/full data for an extended schedule transmission on Christmas eve. 29 days for 5 IRCs and says power is 250 watts. (G. Fisher) Excellent OM; many of us are jealous hi (Ed.)

UGANDA: Radio Uganda, Kampala, 5026, personall letter, not aerogramme, from H. F. Humphreys, C.E., stating that lack of facilities made it difficult to check reports but then said "there is every indication that your report is correct". Air in 15 days just before the coup. 3 IRCs (Calkin)

UKRAINIAN SSR: "Radio Kiev" pgm, 7120, card in 2 months, 1 week showing color map of USSR (Handler) gold/red/blue card w/sked and rpt forms; 3 months (King)

Also Radio Moscow transmissions, verified by site and via Moscow:

Ivano-Frankovsk, 9665, card for North American Service (Behr)

Lvov, full data card (Soneff) 7150, for North American site (Behr) in 1½ months airmail (Leger)

Starobelsk, 9590, card (Dexter) 7175, card w/site for Pacific Coast Service (Behr) 7175, card in 7 weeks (Sparks)

Kiev, 9700, card for N.A. Sce, Radio Moscow, is verified with site as Kiev, but is actually Sofia and rpted as such. They refuse to confirm the Sofia relay; wonder how accurate their other veries are (Behr)

U.S.A. KC2X10, non-QSL info letter from Peter P. Vierzicke, Chief, Freq. Time Bc. Sce. Section (Smallshaw) Is a test programme connected with tests at WWV (Ed.)

VENEZUELA: Radio Barquisimeto, 4990, card in 26 days air for 2 IRCs & Eng. rpt (Duba)

Radio Bolivar, 4770, combo Xmas cd and QSL, + "thank-you" statement and lists frequency and power as 1 kw. 24 days air (Roth)

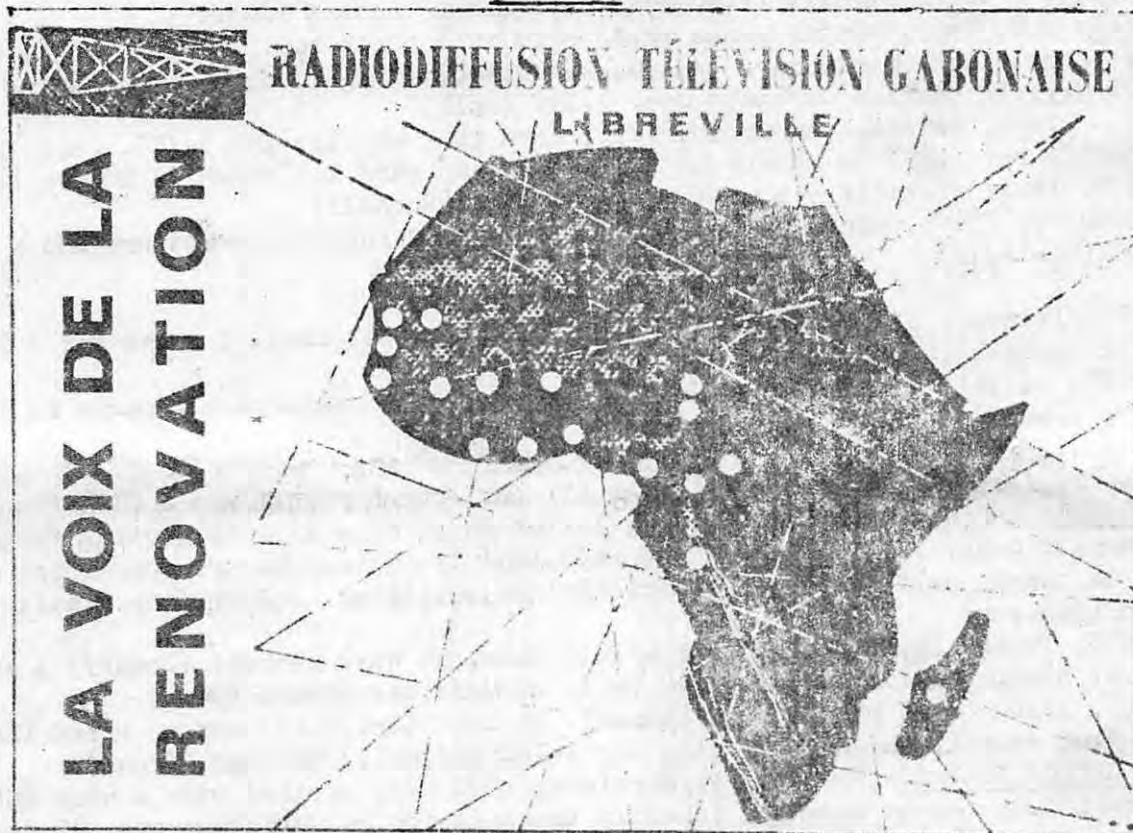
WEST BERLIN: RIAS, 6005, card w/full data in 2 months, plus books on Berlin (McElwain)

WINDWARD ISLANDS: WIBS, 3280 kHz, large brown card in 2 months for 2 IRCs (Smallshaw)

YUGOSLAVIA: Belgrade, QSL folder w/photo of Rijeka seaport, plus data on country. 2 mos for 2 IRCs; air (Schwing) 2 months air for 1-IRC and schedule (Ricchezza)

QSL OF THE MONTH

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Our featured QSL this month comes from La Voix de la Rénovation, Libreville, in Gabon. Formerly a very difficult station to verify, Libreville has been responding to current and back reports with the above since the late fall of 1970. Many DX-ers will recall the design as the above card is a re-styled version of the OCORA card which at one time served all OCORA members (see cities marked on the map) including Gabon. Libreville is currently heard well on 4777 kHz and now responds quickly to reports.

Special thanks this month to the following 63 reports to contributed:

John Banta, N. Y.	Marlin Field, Mich	Chris Lobdell, Mass	Tom Roseliep, Iowa
Ernest Behr, Ont.	Geo. Fisher, Colo.	Mitchell Lewis, N C	Alan Roth, Conn.
Jerry Berg, Mass.	Angelo Gero, Ill.	Paul D. Lynch	Bob Sawallesh, Va.
Gregory K. Bodker, Mich.	Duane Gettings, O.	John M. Leger, Kent	Donald Schied, Pa.
Bob Brode, Calif.	Bruce Green, Ont.	Ken Lyon, New York	Mark Schwing, Col.
Chris Brooks, Colorado	Ivan Grishin, Ont.	Larry Magne, Penna.	Ed Shaw, Virginia
Ron Bruns, Missouri	F. E. Hall, Mass.	Anthony Marks, Ore.	Alvin Sizer, Conn.
Jean Burnell, P. Q.	S. Handler, Ill.	Joseph Masiak, Mass	John Smallshaw, Wis
John Burns, Florida	R. S. Heggs, B. C.	Wm.A. Matthews, O.	John T. Soneff, La.
G. A. Calkin, Ontario	Dan Hendrson, Md.	Edward McElwain, Col	Wm. S. Sparks, Cal.
Rick Charnes, Mass.	James Hurst, Md.	H. Michalenka, R.I.	Peter Taylor, Ont.
C. Chadwick, Iowa	Thomas Jones, Minn	Al Niblask, Indiana	Barry Thedford
Thomas O Clark, Ohio	Steven Kamp, Calif	Bob Padula, Aust.	David A. Volle, Ill
Mark Duba, Vermont	Bob King, Minn.	Andrew Pappas, Ill.	Michael Watman, NH
James Ducharme, Mass.	John Kolb, Calif.	Edmund Ricchezza, Pa	Richard E. Wood,
Robert Estand, Texas	Edward Kusalik, Ont	Jim Roberts, Man.	Louisiana

A great month! A special welcome goes out to several new members who have started to contribute to QSL REPORT with this issue. You are all most welcome. A reminder that the deadline is the 15th of each month in Ottawa. Until April, best 73s es DX, GREGG.



LOG REPORT

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Deadline 12th of the Month

* * * * *

When reporting use only one side of the paper, arrange items in order by frequency, listing frequency first. Leave at least one blank line between items on typed reports, use GMT, and mail in time to reach me by the 12th of the month. D.F.

=====

- 2360 GUATEMALA TGBA, R. Maya de Barillas, 1124 rel tlk in Indian lang, ID in SS 1131, then pgm of whistled hymns(GH)0300* w/"Lord's Prayer" sung; soon to add 3320(AVS)
- 2400 CUBA LV de Cuba 0957 IS in Russian ship QRM, believe 4:600 in San Germán(GH)
- 2400 UNID. Pirate? 2259 rock & soul mx, poor modulation, no ads. Possible fundamentals unhrd. Stephen Martin, IRCA, says is in N.C.(GH)
- 2440T VENEZ Possibly R. Girardot at 1015 in maybe SS, QRM de images(BB)
- 2450 HAITI 4VSO w/organ mx 0954, 1000 IS, NA, s/on FF(GH)*0955-1115 f/o FF/Creole(LM)
- 2474m CHINA Maybe listed Hangchow, 1045 lang(BB)
- 2480 VENEZ Despite HNL hrd tentative R. Tiempo w/LA mx, ads 1045, no ID(AVS)HNL??(DF)
- 2509mT S.KOREA Maybe KBS at 1045 in lang, hets harmonics(BB)
- 2520 USA WWOK, Miami, FL, 2x1260 at 0950 CW mx, ID, date, TC, fundamental not hrd(GH)
- 2624mT N.KOREA Maybe KCBS 1030 lang, rptd here last Spring(BB)
- 2640 USA WKRK, Murphy, NC, 2x1320 at 1328 CW mx, mx, sports, ID; fundamental unhrd(GH)
- 2678v COLOMBIA Trans. Apollo 1030 SS mx; apparently an amplified harmonic of MW outlet(BB) 2351 mx, IDs. ID seemed to mention 1340, so believe harmonic(GH)Or amplified harm?
- 2800 USA WJHO, Opelika, AL, 2x1400 inaudible, 1014 rock, ID(GH)
- 2800T CHINA Maybe listed Foochow, Fukien province at 1030 lang(BB)
- 2849mT N.KOREA KCBS 1030 lang(BB)1st HS mx, //4273, 6290, 6600, 11352v. Sked 2000-1500(LM)
- 2880 USA WQOK, Greenville, SC, 2x1440 unhrd; 0004 rock mx, ID, jingles(GH)
- 3200 CHINA Fukien here 1030 w/rev, songs & tlk(GAC)
- 3200 MEXICO XERCP(?) hrd twice during s/off message 0133. Believe is 2nd harmonic of new MW stn on 1600 appearing only in the 6th edition of the Vane Jones Log, in Purépero, Mich., 200 watts. S/off about 1hr after local sunset at Purépero.(GH) R. Alma Musical, 1200 SS & mx (ESB)
- 3215 VENEZ Ondas Panamericanas good w/LA mx 1030; good time for 90m Venezuelans(AVS)
- 3230 FIJI R. Fiji 0803-0815 cl. mx, EE anmts & ID, good(DW)
- 3240 PERU R. America 0345 to 0358* SS mx, good(SFC)
- 3240 IRAQ Baghdad 0310 to fast fade 0315, AA(SFC)
- 3245 VENEZ R. Libertador 0430 LA mx(AJG)LA mx, ID 1045(AVS)1000 best on 90 m(LM)
- 3255 LIBERIA ELBC 2305-2320 pops, native mx, EE ads, ID(ARN)
- 3256v VENEZ LV del Tigre 0415 SS ID, 0425*(BE)1000(LM)Often w/IDs, mx 1030(AVS)
- 3260 NIGER Niamey w/FF mx, mx, no ID(ECS)ID, flute IS at 2300* after pops, 4 kw(ARN)
- 3264T MOZAMBIQUE RCM 0215-0230 EE & Afrikaans; ads, pops, TC 0222 as 4:22(DW)
- 3275 VENEZ R. Mara, Maracaibo w/SS tlk 1030-1100(AVS)After 1100 & to 0230*(FEH)
- 3280 GRENADA WBS w/N+E 0200(SFC)Cl. mx 0000(WW)0150-0203 EE mx, ID 0200(SH)
- 3284 FIJI R. Fiji w/GSTQ 1100*, after 5 years trying(DJ)
- 3295 GHANA well hrd on new frequency in EE svc w/poetry 2145(AVS)
- 3295v VENEZ R. Trujillo 1000(LM) Details, please(DF)
- 3300 BR. HONDURAS R. Belize in EE 0400-0500 w/CW mx.(WH)
- 3300 MARTINIQUE ORTF good 0115-0250* in FF w/play, opera, jazz(WW)
- 3316 SIERRA LEONE SLBS at nice lvl 2240 tune w/cl. mx, TC, sermon in EE 2250(ARN) 0610 OM w/EE pops(ECS)
- 3320 S. AFRICA SABC in Afrikaans, cl. mx 2200(AVS)Not as WRTH list; well hrd 2200 TC, then news(FEH)
- 3319-3322v ANGOLA Definitely an Angolan here, just appeared, 2300* w/AP. Light mx, PP tlk; Luanda is QTH. Possibly says "EM. Oficial". More checks needed(ARN)

- 3322 BOUGAINVILLE RB w/CW mx, exc sigs 1152(DJ)
 3335 N.GUINEA R.Wewak ID 0600, Pidgin, lcl mx, early(ECS)1155 pops, lang ID & TC(DJ)
 3336T SENEGAL Ziguinchor 0600 lang & FF(ECS)
 3337 DOM.REP. LV de la Romana 0405 SS ID, political tlk(BB)
 3359v GUATEMALA LV de Nahualá 0400 SS ID, nx; also 1100 Mayan dialect(BB)
 3364 DOM.REP. R.Exitos 0122 IDs, mx:(WW)0246-0312 mx:(SH)0300 LA mx:(AHR)0355 ID(BB)
 3380 GUATEMALA R.Chortis 0430 LA mx:(AJG)
 3384.7 VENEZ R.Barcelona *0900-sunrise f/o; also sunset-0400*(LM)Hmm, would you let us
 in on your method of measuring to 100 cycles, please.(DF)
 3385 N.BRITAIN R.Rabaul w/exc sigs, pops, lang ID 1203(DJ)0800-0826 mx & lang(JY)
 3391 ECUADOR R.Zaracay 0417 LA mx, ads(AJG)
 3395 VENEZ R.Universidad 1000, list *1100 obviously incorrect(LM)
 3400 CHINA Fukien 1100-1200 CC HS //2430/2600/2800/3200/3535/3900/4380/5170/5900/6398/
 and 8195(LM)Not //3200 at 1035 w/songs & tlk(GAC)1045 lang(BB)
 3415mT CHINA Peking listed, 1045 lang(BB)
 3535 CHINA PLA, Foochow listed, lang 1115(BB)
 3540 CUBA CFW, La Julia, 6x590, talk & mx, //3600 at 1044(GH)
 3561mT N.KOREA Maybe KCBS 1030 lang; Peking also listed(BB)
 3600 CUBA CFW, San Germán, 6x600, Rebelde ID 1159; neither fundamental hrd(GH)
 3836mT ECUADOR LV del Triunfo, possibly the one in lang 1100; just too weak(BB)
 3885 CAPE VERDE RCCV 2247 PP mx, chimes, ID, 2302* w/AP(GH)2246-2300* w/Inst.mx, PP,
 very little ham QRM(GLD)
 3900 CHINA Fukien listed, 1400 Chinese & mx, //4380(ESB)
 3918v S.KOREA KBS, Seoul, 1130 Korean(BB)
 3925 JAPAN NSB Tokyo in Japanese 1030 B.A.H.(new Loudenboomer abbreviation: Before
 Amateur Hour) (BB)
 3930 CAPE VERDE IS R.Barlevento w/PP tlk, ARO QRM 2220(AVS)
 3952 ENGLAND BBC w/N&E in ham QRM 0300(DC)
 3960 CHINA Urumchi listed w/East is Red IS 2200 & 2230(FEH)
 3960 W.GERMANY RFE 2300 Polish nx, list 10 kw(BB)
 3995 ECUADOR LV del Río Tarqui 1048 EST TCs, trop. mx, ad, elaborate ID & mx:(GH)Daily
 after 1000 to 1130A w/LA mx, TCs, nx; strong, so cannot check if WQ04 here(FEH)
 3997 S.AFRICA SABC 0000-0200 EE/Afrikaans mx, ads(WH)2200 past 0000 w/pops, EE(FEH)
 4035 TIBET Lhasa listed, poor 1100 in HS(LM)
 4050 RSFSR(As) Petropavlovsk-Kam., 1200 N&R, then balalaika mx:(BB)
 4055 RSFSR(Eur) new Moscow area tx w/RR HS 0430(BB)
 4108 COLOMBIA unID Caracol stn 1057, likely MW harmonic from 1370 area; next day
 was up to about 4110(GH)
 4200 UNID LA stn 1058, likely another MW harmonic(GH)
 4250 CHINA Peking HS to Taiwan in CC 1100, //5160/6715/7025/7270/9164/11100/15590/
 15710/15880/17450/17490/17533(LM) All fqys hrd?(DF)
 4274v N.KOREA KCBS 1200 Korean nx(BB)
 4380 CHINA Fukien 1030 CC HS(LM)1130 Mandarin HS(BB)
 4411v N.KOREA KCBS, recent NF 1200 Korean(BB)1400 Jap, //6540, both fair(LM)
 4460 CHINA Peking 1400 Chinese pgm, not //4380(ESB)
 4465v W. GERMANY RFE SSB feed to unknown site, various times sunset to 0600(LM)
 4475 W.GERMANY RFE Czech feeder on RC 0004 nx, ID, mx:(GH)
 4485 RSFSR(As) Vladivostok/Petropavlovsk. Classical piano 0655, ID 0658 sounded like
 Vladivostok. Pause, then clear Petro. ID 0659, into pop mx pgm. Seemed to be stn
 under Petro. from 0700. Both are listed(DW)
 4568 VENEZ Ecos del Torbes SSB feeder evenings // AM fqys(LM) Need times, DF
 4621m UNID w/LA dance mx 1045; haven't done recheck yet(BB)
 4670 ECUADOR R.Nac. Espejo w/mx, IDs 0515 past 0600(IW)0500 SS talk(AJG)
 47 ECUADOR R.Nac.Progreso 0445-0459*, up from 4708.5, Ec mx:(DW)0430 Ec mx:(GLD)
 4724 BURMA BBS 1410 talk in Thai or Burmese(SFC)1111-1224 mx & lang(DJ)
 4742 VENEZ No slogan or call yet, but is in Valencia, 0500*; a move from unID YV
 earlier reported on 4750?(GLD)
 4750 ECUADOR/VENEZ Latin here 0315, maybe R.El Mundo, seemed //CRE 4765 at 0315 nx:(GLD)
 4750 COLOMBIA Bogata stn, unsure ID, 0200-0300; poss. ID as R.Lara or R.Lora(JTS)

- 4753v INDONESIA RRI Makasar 1215 Indonesian (BB)
- 4760 PERU R.Tingo Maria 0445-0503* Andean mx, SS, TC, anthem(DW)ID & eco 0505(GLD)
- 4761 PERU R.Inca 0510 lang, ID 0531, frequent short IDs(GLD)
- 4765 CONCO RTC runs late Sat 2000-2205A* w/singing, guitar mx, in FF(FEH)
- 4765 ECUADOR CRE 0320 SS tlk, IDs, het(TLA)
- 4770 LIBERIA ELWA 0645 EE ID, local mx(JDT)0710 past 0735 EE rel pgm(JR)EE rel 0615(DF)
- 4770 N.KOREA KCBS 1445 mx & tlk(SFC)
- 4771 ECUADOR R.Dif.Cenit 0415-0425* w/Ec mx, SS ID at s/off; audible LBS only to 0400(DK)
- 4772 VENEZ R.Bolivar 1045 SS, mx(IW)
- 4775 BOLIVIA R.Los Andes 0350-0404* w/LA mx, vocals, fqys(DW)
- 4777- GABON RTVG 0425 FF, Afr mx(DF)0437-0500 FF, Af mx(JR)0610 Af mx(ECS)FF 2117(CL)
- 4783 MALI R.Mali s/on 0600 Af harp IS, FF ID, Af mx, past 0700, //5995(JR)0600 ID(ECS)
- 4795 DOM.REP. HIAS, Onda Musical, ID, mx 0000(IW)9230 IDs(HS)0430* w/anthem(TLA)
- 4795 CONGO(PR) Brazzaville 0530 FF, list 4 kw(GLD)local mx & FF thru utes 0535(DF)
- 4800 VENEZ R.Lara 0205 ID, tlk(HS)0200 LA mx, ID(AJG)0210 S IDs(TLA)ID, mx: 1055(IW)
- 4804 UNID 0135 SS sports, anncs as R.Nacional(ECS)
- 4807.5 ECUADOR R.Pop., 0612-0625* Ec mx. S/off is variable(DW)0145 N:S in RTTY(SFC)
- 4815m UNID RR spkr 1100, saw rpt of Peking RR nro here; no recheck(BB)
- 4815 PERU OAX8X, R. Amazonas 0411-0425 mx & TC(WH)
- 4815.5 UPPER VOLTA Rdif.V. FF tlk 0615(DF)*0600 FF(TLA)past 0700 FF(JR)FF ID 2152(CL)
2135 to 2300* after anthem; nice sigs in FF(DJ)
- 4820 GAMBIA Bathurst starts cora IS 0625, s/on 0628, pgm summary, chants 0631-0700, then BBC mx, local mx & tlk in EE & vernaculars, BBC Afr mx 0730, then Afr mx & vernaculars to 0800 TC, ID & fast closedown(FEH; GAC, ECS, DF)2200-2300 pops, anthem 2300 & s/off(FEH)
- 4820 HONDURAS HRVC 1010 organ & choir mx, SS ID(JDT)1314 SS ID(GH)0300-0500 EE rel pgms(DR, SFC, IW, TD)
- 4823 N.VIETNAM Hanoi w/tlk by YL in oriental lang 1450(SFC)
- 4826v DOM.REP. LV de la Fuerzas Armadas 0330 fullID(BB)2300(AHR)0500*SS(DAV, JR)
- 4832 COSTA RICA R.Capital 0300 IDs, pops(TLA)0415 SS(ML)0437 SS, mx(DAV)0600*DR)
- 4835 SARAWAK RMS, Kuching; 1420 man in Malay(?) (SFC)
- 4835 ECUADOR LV de Valle, 0327 tune w/mx, TCs, ads(GLD)
- 4840m PERU R.Andahuaylas 1145 Quechua pgm, military SSB net on fqy(BB)
- 4840 ANGOLA RC Cuanza Sul 2115 US pops, PP(AVS)2240-2252 man w/ID, possibly an ad, low pwr(APN)2235-2300* w/AP after light mx & ID(JDT)
- 4845 BOTSWANA RB fair 0423 w/EE tlk(GLD)
- 4850 PERU R.Atlantida 0335-0355* w/LA/pop mx, SS, ad, TC, Peruvian mx. This is apparently the stn I reported on 4848.5 for the 60 meter survey(DW)
- 4850 MAURITANIA R.M.; AA chant 0715, FF mx 0730, better on 9610(JR)Strong lately 2030 to anthem 2226, best before dark when utes increase. 2200 N:A/N:F, then chants(FEH)
- 4855 MOZAMBIQUE RCM "A" pgm 0424 tune w/PP(GLD)PP pops 2135, fair(AVS)
- 4863 BRUNEI RB 1425 w/M&W tlk in lang(SFC)
- 4865 See Feb, I did not report Mozambique at 1635, impossible here that time(ESB)
- 4866v BRAZIL RC do Pará 0315 Brazilian pops(BB)0820-0835 t/o w/LA mx, IDs(JDT)
- 4870 DAHOMEY Cotonou w/Afr mx 0522 tune, N:F 0530, mx FF IDs, TCs, E by R 0600(JR)
- 4875 BOLIVIA La Cruz del Sur 0105 classical mx(TLA)
- 4875 S.AFRICA SABC w/Afrikaans nx 2105(AVS)Good 0415 Afrikaans svc(GLD)
- 4875 ECUADOR LV Esmeraldas 0510-0523 t/o w/LA mx, ID(DW)To 0600* w/long version of anthem(GLD)
- 4881 DOM.REP. R.Comercial 0515 IDs, local pops, het(TLA)0530-0600 LA pops(DR)
- 4885 MALAYSIA Penang in EE by man 1600(SFC)
- 4885 PAPUA ABC, Port Moresby; local nx, ID, rel tlk 1313(GH)1300 BBC mx, local mx(AJG)
- 4885 VENEZ Rdif Venez; 0035 SS ID, R&R mx(TLA)
- 4891 HONDURAS R.Lux 0302 full ID, s/off, het YV 4890m(BB)
- 4895 RSFSR(Eur) Tyumen listed w/RR HS 0200(BB)
- 4896m PERU R.Chanchamayo 0235 SS ID, Andean mx(BB) (AJG)/
- 4900 VENEZ R.Juventud w/mx & SS to 0435*(DAV)0110 US pops, SS ID, ads(TLA)0030 US pops
- 4904.5 CHAD Ft.Lamy 2133 FF/vernaculars, anthem & s/off(CL)2100 Af mx, FF tlk(ECS)
- 4904.8T CHINA Peking CC HS 2240-2255 f/o. NF, registered, but unused 1970(LM)

- 906 COLOMBIA Em. Atlantico 0405 N&S, pops(SFC)
 909m DOM. REP. R. HIN 0230 SS classical concert(BB)
 91 GUINEA Conakry 0530 tlk, mx; cheers 0600 & more tlk(JDT)0600ID, FF, Afr mx(JR)
 911 ZAMBIA ZBS 0545 native mx, few IDs(ECS)
 915 GHANA GBC 2200-2255 mx, mx(DR)0600 N&E by YL, good(TLA)
 915T BOLIVIA R. Amboro 0320-0400* w/LA mx, ads, SS, het Guatapuri, several IDs, but at least two other stns on this fgy - Kenya & Brazil?(DW)
 920 AUSTRALIA ABC Brisbane 1330 mx(AJG)
 920 R. Progreso/LV de la Tropical/R. Emisora en Honduras. New stn. 0000 checks in SS(ARN) ads & IDs from 0306(DW)0350-0402* 20 Jan, 24 Jan past 0500. Mostly quiet mx, old US standards(GLD)
 920 Tape from ECS seems to indicate Riga as seems to say "Govorit Riga". 2200-2300* (ARN) To ECS; my comments last month were made without knowledge of why you thought this one to be Riga. Would have appreciated your mention of the tentative Riga ID on tape. Without it, I had no idea why you suspected Riga. (DF)
 923 ECUADOR R. Quito 0300 SS nx(TLA)
 925 MOZAMBIQUE RCM 0530 EE pops & lang ads(ECS)
 926 RIO MUNI Bata 2200* w/anthem, SS(GAC)0520 pops(ECS)
 930 DOM REP R. Mil 0455 LA mx(AJG)SS mx 1040(IW)
 940 IVORY COAST RTVI *0600 FF, mx; annc //6015, 7215(JR, TLA)2200 FF drama(AHR)2236 FF tlk(GH)
 940 VENEZ R. Yaracay 0113 SS ID, local pops(TLA)
 945 COLOMBIA R. Colosal 0445 LA mx(AJG)0600 ID, ads, arnts(TLA)
 950 SARAWAK RMS w/N&E 1550, 1558*(SFC)
 955 COLOMBIA R. Nac.; 0450 LA mx(AJG)1115-1130 Ee lesson(IW)
 960 VENEZ R. Sucre 0335 N&S from Rumbos(TLA)
 965 COLOMBIA R. Santa Fe 0140 LA mx(AJG), 0500 SS ID w/fgy, city, country(TLA)
 970 UNID in lang 0650 to 0745 lost; first noted by ECS. Mx seems oriental, so first thought Sabah. But maybe Senegal, up from 4950?(GAC) (GAC)/
 972.5 CAMEROON Yaounde exc to 2230* weekdays
 973 BRAZIL R. Timbira w/ID 0400*(AVS)
 980 VENEZ Ecos del Torbes 0055-0445 IDs, mx, mx(AJG/IW/TLA)N&S 1100(TD)
 990 VENEZ R. Barquisimeto 0300 ID(IW)0130 LA mx(AJG)
 994 SUDAN SBS 0430 AA & mx; also 2145 AA to 2155*(CL/ECS)
 010 CAMEROON Garoua 0600 mx/FF tlk(GAC)
 010 DOM. REP. R. Cristal 0415 pops(TLA)N&S 0530(TD)
 015 ANGOLA RC Mocamedes 2115 N&P(AVS)
 015 GRENADA WIBS 2305 BBC rly(GH)N&E 0400(SFC)? Usual 0000*(DF)
 017v COLOMBIA Trans. Caldas 0120-0200 LA mx, SS ID, ads(AJG/BB)
 032.5 ANGOLA RC Cabinda 2130 US pops(AVS)
 035 C. AFR. REP. Bangui 2030 N&E, early(AVS) 2130 IS, N&F(CL/ECS)
 040 VENEZ R. Maturin 0320-0400* pops, Rumbos net mx 0330(GAC/TLA)2230(ECS)
 042 P. GUINEA Bissau *0700(SFC/TLA)2245-2350 pops. PP, lite mx(CL/LM/GH)
 052T SINGAPORE RS 2345 EE in QRM; f/o 2315 (ECS) Hmm, those times correct?(DF)

ABBREVIATIONS

Numerous abbreviations are used in this column. Following are some of those which might not be known to new members.

A single letter repeated is used often to indicate a language. Thus AA is Arabic. FF is French, EE is English, RR is Russian, PP is Portuguese, SS is Spanish. Other languages are usually indicated by obvious abbreviations; e.g., Bulg is Bulgarian... N&E is news in English; N&F is news in French, etc. nx is news, mx is music. CW is Country/Western music. GSTQ is "God Save the Queen". AP is "A Portuguesa". LM is "La Marseillaise". * before a time means "s/on", which means "sign-on". * after a time means "s/off". Certain items in the 60 meter band have a * before the fgy, which indicates the item provides additional information to the 60 meter band survey which appeared last January and is still available in double spaced form from your LR editor for US\$1 in Canada/US. An underlined fgy means the item is of significance, is not just an SWL item; thus it might indicate a new fgy, new stn, or a rare stn.

Some fgys have a letter after them; e.g., 4714T. The T means tentative; M or m, means measured; A means approximate; v means the frequency varies.

Some ask why I don't always use EE instead of writing English; other don't like the abbreviations at all. So, I do a little of each, and try to give everyone some of what they like. (DF)

- 060 ANGOLA RC do Huambo 2200-2300 pgm w/bird chirps confirmed as RCH(FEH)Pops 2240 (AVS)
- 060 S.YE-EN R. Aden confirms 0330 reception to after 0415 nitely. Maybe earlier, but LA sometimes there to 0326 anthem & s/off(FEH)2200* AA, QSLd(AVS)0355-0345 AA, weak & going downhill(ARN)And backward in time? Hi(DF)Stn noted here after 0400 tune in AA, weak, and Tirana cuts on around on this fqy about 0425(DF)
- 060m ALBANIA Tirana measured by AVS on 5058, but now back up here 0430 s/on(DF)
- 085 SUMATRA RRI Medan 1130 Indonesian mx(AVS)
- 125 CHINA Peking Chinese 1212, weak; do not believe //4035(AVS)
- 850 CHINA Peking on RNF(recent new fqy)1200 in unid lang, foreign svc IS(BB)
- 875 HONDURAS HRN 0310 N:S(SFC)Recently noted down on 5870, back up?(DF)
- 876m UNID oriental 1000 lang, too weak; QRMd later(BB)
- 900 CHINA CC HS 1100(LM)
- 930 CZECH Prague, exc in EE 0115(AHR)
- 935m TIBET Lhasa list, & what everybody would like it to be, but I secretly think it's too good to be true, 1130 lang(BB)
- 955 COSTA RICA R.Casino 0603* after mx, EE anmts(ESB)
- 955 GUATEMALA TGNA, R.Cultural 0300 EE, unusable(ML)
- 971v INDONESIA RRI Bandjarmasin 1145 Indonesian(BB)
- 975 CHINA Peking 1100 Korean, fair(LM)
- 975 ENGLAND BBC FF 0530-0545, then EE ID, Hausa pgm(TLA)
- 980 EL.SALV. YSS, poor 2330 SS(ML)1245 mx, good(AHR)
- 980 RSFSR(As) Vladivostok(?) 1400 Jap, in QRM(ESB)Krasnoiarsk listed(DF)
- 985 USA WNYW 0220 mx, SS & EE(CWC)
- 990 SWEDEN RS EE 0035, mx, cmtry(CWC)
- 995 AUSTRALIA RA 0839-0900 sports(SH)
- 995 VATICAN VR EE to NA 0050-0102*, NF(REW/LM/CWC/ESB)
- 995.3 MALI Bamako FF 2231-2259*; tlk, mx(LM)
- 000 BRAZIL R.Inconfidencia 0104 2 men in FP(CL)
- 005 CANADA CFCX, Montreal, EE ads, vx 1322(HS)
- 005 ENGLAND BBC EE 2200-0030*(AHR/ESB/TLA) I misplaced Bill Sparks' report, covering mostly the lower fqys. It appears below(DF)
- 006 COSTA RICA R.Reloj 0240 pops, IDs(JDT) 3205 INDONESIA YD1, Bandung, 1500 Indonesian mx(BS)
- 010 ITALY RAI 0000 Ital. lite mx, EE 0100 (TLA)0104 EE mx(CWC) 3355 Noumea 0740, //7170/9510, 3 fqys(BS)
- 010 CANADA CJCX 0200 mx(DR) (JTS)// 3375 INDIA AIR Gauhati 1530 EE mx(BS)
- 015 DODECANESE IS VOA Rhodes 0515-0600 AA 4795 DOM.REP. Cnda Musical 0350 pops(BS)
- 020 PERU R.Victoria SS ID(TLA)Time?(DF) *4820 GAMBIA 0628, EE ID, chant to 0700, then mx from BBC, local mx, N:E abt Afr 0730. Usually covered by Magadan here(BS)
- 020 MEXICO R.Eco de Sotavento 1203 mx, ads; after Colombia fade(AVS) 4850 Tashkent list, RR HS 0220(BS)
- 025 PORTUGAL R.P.; EE 0200-0245(LM/CWC) 4875 W.PAKISTAN Karachi w/N:E 0210, lang 0220(BS)
- 030 W.GERM. SDR 0708-0855 f/o; QRM CFVP (LM)0555-0700(JTS) *4910 DOM.REP. R.HIN s/off 0520(BS)
- 030 CANADA CFVP Calgary; 0855 after SDR f/o, lost 0923(LM)1258 mx(GH) 4910 GUINEA Conakry 0525 FF pol.cmtry(BS)
- 031v COLOMBIA R.Nac class.mx 0340(TLA) *4920 HONDURAS R.Progreso 0400*(BS)
- 034 CLANDESTINE V.of People of Thailand; 1430 IS & Thai(ESB) 4932 NIGERIA NBC Benin, 0610 EE cml svc C.AFR.REP. 0510 FF, first time in several years(BS)
- 035 NIGERIA NBC Enugu; QSLs Emugu, not Ikorodu, as earlier(GLD)0507-0547 f/o w/mx, N:E, rel tlk(JDT/DG) *4975 ANGOLA R.Comercial de Angola 0558 IS, trumpet, drums, anthem, ID in PP/FF/EE; pop dance records(BS)
- 6022 INDIA AIR Delhi 0135 lcl mx; rapid fade 0200A(SFC)
- 6035 POLAND RW 0000EE(ECS)0215-0240 t/o with EE(WBC) Sorry these are not in the regular sequence. Bill mailed the report in plenty of time; I just misplaced it. That happens once in a while; fortunately not too often.(DF)
- 6040 TRUCIAL COAST Saut as Sahil w/AA to 1520 f/o(ESB)1345, N:A 1400(BP)
- 6045 PANAMA LV del Baru; 1008 SS ID(ESB)

- 5050 MOZAMBIQUE RCM 0410 US R&R mx; EE & Afk anmts(TLA)
- 5055 ESTONIA Tallinn listed, 1430 Mayak IS & RR, QRM Darwin(ESB) Unsked this time(DF)
- 50 CZECH RP to Eur w/EE(repeat NA svc) *0800-0755* //9505/11800/15310/21690(LM)Hrd?(DF)
- 5060 ARGENTINA R.Nacional 1000 SS & mx; exc sig(ESB)
- 5060 HONDURAS R.America 1205 N:S & ads, 1302 ID, very strong(ESB)
- 5060 SICILY Caltanissetta 0616-0735 ads(?), rel px, IT, mx(JTS)
- 5065 MEXICO LV de Mexico 1315 SS tlk, 1325 ID for XEX(ESB)
- 5065 SWEDEN RS 0600 Swedish to Eur, poor(TLA)
- 5070 CANADA CFRX 0610 EE pops(TLA)0735-0750 pops, EE(JTS)0945 DJ show(CWC)
- 5070v BULGARIA R.Sofia 1930-2000 EE to Eur(BB)
- 5070.2 VENEZ R. San Sebastian good mornings(LM) Times, please(DF)
- 5075 W.GERMANY DW EE cmtry 0515(TLA)0143 EE to NA //9735(HS)
- 5082 PERU R.Nac 0430 N:S, ID, light mx:(TLA)0619-0704 mx, SS(JTS)
- 5085 W.GERMANY Bayerischer Rundfunk 0615-0700(JTS)
- 5085 INDIA AIR Madras 1400 Indian tunes(SFC)
- 5090 see Jan LR, UNID 0350 is BBC in AA. Here since 1967(ESB)
- 5090 AUSTRALIA VLI6 at 1110 mx, vx:(DJ)N:E 1115(TLA)1100-1200(LM)
- 5090 LUXEMBOURG RL 0503 GG rel pgn(JY)GG pops 2200(IW)1930 EE DJ px(BB)2202 GG(MSK)
- 5091.5 CAMBODIA RNK up here 1120 w/Khmer & western mx:(GAC)1425 pops(SFC)1420 lcl mx, FF & Cambodian(MSK)Somehow not as strong as it used to be; 1251 ID & YL w/third daily English newscast(GH)
- 5095 COLOMBIA LV del Centro 0507 LA mx, N:S 0530(JDT)0515-0530* w/anthem(JTS)
- 5095 PERU R.Nac 0355 SS ID(TLA)
- 5100 YUGOSLAVIA Belgrade 2200 EE mx: & cmtry to 2215 end EE(MSK)
- 5105 BRAZIL Ceara R.Club w/futebol 0040, poor(AVS)
- 5105 MEXICO Sistema R.Yucatan LA mx, ads 0217(AVS)1200 SS(BB)
- 5110 HUNGARY RB on recent NF 2015-2030 Italian to Eur, sked //7100(BB)
- 5115 PERU R.Unión 0340-0405 SS mx, ads, tlk(JTS)
- 5115 E.GERMANY Deutschland Sender 0630 GG & mx:(ECS)
- 5110 MEXICO R.Univ. de Sonora w/opera(ESB) Time? Fgy? Not 6115?(DF)
- 5119 VENEZ R.Angostura, *0900-1200(LM)
- 5128 VENEZ R.Valles del Tuy 1100 fair(LM)
- 5130 SPAIN RNE strong 0120 in EE, down from 6140(AHR)
- 5130 RSFSR(As) Novosibirsk; IS 2329, YL in RR; 2358*(GLD)
- 5130 ECUADOR HCJB 0900 DX Party Line Wed(CWC)
- 5130 CANADA Halifax w/N:E 0200(SFC)
- 5130 GHANA RG in EE, Afr mx: (MSK) Time?(DF)
- 5135 CHILE R.Univ.de Concepcion 1030 SS ID, mx; anned time as 7:30, time change?(ESB)
- 5135 USSR R.Moscow briefly in EE 0200. Alma Ata listed but seems unlikely(GLD)
- 5135 POLAND RW 1400 Polish to 1455, Norwegian(?) from 1500. Listed WRTH 71?(ESB)No, the WRTH listing for Poland are useless(DF)
- 5140 COLOMBIA R. El Sol, 1030 Colombian mx, 1118 ID, loud & clear(ESB)
- 5140 MEXICO R.Univ. Chihuahua w/classical mx:0155, poor(TLA)
- 5145 BRAZIL R.Nacional, Rio; 0225 soccer(SFC)
- 5150 RUMANIA RB EE to NA *0430-0500* //5980/6190/9510/9570/9690/11939(LM)All hrd?(DF)
- 5155 AUSTRIA Vienna 0000 GG, 0030 EE, 0045 SS(ML)
- 5155 JAPAN FEN Camp Drake; 1309 end mx, TC, ID(GH)1110 EE tlk(TLA)
- 5160 CANADA CKZN, Newfoundland; 1010 sports; gone fast(AVS)
- 5165 E.GERMANY RBI EE to NA *0330 after Budapest NA svc relay(REW)
- 5165 MEXICO XEWW 1400 SS & ads, //9515. Were they off the air?(ESB)
- 5165 SWITZ SBC 0400 IS, s/on EE(JS)
- 5170 VENEZ R.Nacional 1110 SS ID, local pops(TLA)*1000-1230(LM)
- 517 UNID w/W.Afr mx: 2215 past 2245 when lost. Weak. Help?(JR)
- 5175 UNID FF spkr 1000 w/mx, no ID. Is Haitian active here?(AVS)Dunno(DF)
- 5175 FRANCE ORTF *0600 FF, N:F(TLA)*0600 //9585 FF(LM)N:F 0603(JDT)
- 5175 E.GERMANY Budapest relay Hung. to NA 0330, EE to NA 0400, poor audio(REW)
- 5180 ARGENTINA R.Nac, Mendoza, 1000SS ID for LRA, anmts, Argentine mx, clear(ESB)
- 5180 GUATEMALA TGWB, LV de Guatemala 0045 SS, light mx:(AHR)
- 5185 ETHIOPIA R.Ethiopia open w/flute IS 0328, into Somali-type chanting 0330(AVS)

18. W.GERMANY DW w/GG ID, US pops(TLA)
- 190 MOROCCO Sebba Aloun 0810 w/AA chants(WBC)
- 190 RUMANIA RB *2200-2225 German(JTS)
- 194.7 TUNISIA Tunis *0500, //9596.5; 300Hz het w/SABC-6195(REW)Zero beat SABC at 0515 on recent check with AA chants(DF)
- 195 S.AFR. SABC EE/Afk Com'l Svc 0400 past 0430(LM, TLA, REW, GLD, VW, DF, ACM)
- 195 HAITI 4VHW, R. Haiti; 1115 mx & FF ads, N:F 1130, good(ESB)
- 200 USSR R.Moscow NA Svc EE here 0415 w/mx, unlisted fqy(ES)
- 200 USA KYW, Philadelphia at times hrd when Moscow gone evenngs. Seems to feed AM radio, but not //pgms on air at same time. ??(LM) ??(DF)
- 202 PERU LV de Huamanga; few IDs, LA mx: 1057(AVS)
- 203.5 INT.WATERS RNI back testing from 2040 to 2300*daily; pops & IS, no anmts9GAC)
- 205T MEXICO R.Univ.de Chihuahua 0030 classical mx, 0105 N:S w/items from Chihuahua(ESB)
- 210 CHINA Peking Cantonese to SEA *2300-2330* //6290/9945.In Chinese to SEA *2230-2300* //6290/7305/7350/9945(LM)
- 210 RUMANIA RB Rumanian to 0357* //6228 weaker, 28 Jan only, now 6150/6190(ESB)
- 250 PERU R.Cuzco 0308 N:S, ads, often to 0403* w/mx(ESB)
- 251 N.KOREA KCBS 2nd HS px in Korean 1130(LM)
- 257 GALAPAGOS IS LVde G; mx: to 0431 anthem & s/off(GAC)6258, 0255 mx, ID;0404* after anthem(GH)6265.
- 265 GALAPAGOS IS LVdeG; 0400 LA mx, IDs to 0448; orch mx: to 0500*; no ID or anthem. Since 19 Jan was usually on 6260(ESB)
- 289 N.KOREA KCBS 1st HS px in Korean, poor(LM) Time? 1100A(DF)
- 320 CHINA Peking FF to Eur *2130-2225*, fair, but UTE QRM(LM)
- 539V N.KOREA KCBS 2200-2300 Mandarin to SEA(BB)EE to SEA *0800-0900*(LM)
- 593m CHINA Peking HS 2230, recent NF(BB)
- 600 N.KOREA KCBS 2300 lang by man(ARN)
- 690 CHINA Peking 3rd CC HS 0930-1200(LM)
- 697 CHINA Kunming, Yunnan Province; HS in lang 1130-1230(LM)
- 695 CHINA Peking Japanese *0930-1200 f/o //3960/7480/9965(LM)
- 7060m CHINA Peking 2230-2330 Vietnamese(BB)
- 7068.5v ALBANIA Tirana EE to Eur/NA-28 minutes each; 2030/2200/0000/0630. FF to Eur 2100/2230/0500, AA 0430/0600, RR 0400, SS 0530. Varies 7060-7070(LM) LM, are these loggings, or skeds?(DF)*0630 N:E to 0657(CWC)
- 7070 SPAIN definitely on 7070; IS is Spain(ECS)RNE?? Only thing I've been able to hear is Tirana.(DF)
- 7110 MALAYSIA Kuala Lumpur 1435 Chinese(?) under another stn(SFC)
- 7114v CONGO(DR) Kinshasa w/Afr mx, YL in FF 0215(SFC)
- 7120 USSR R.Moscow EE to UK 2000-2030, recent NF, over BBC(BP)
- 7150 RWANDA DW Kigali 2020-2050 FF to W.Afr, ex: 7235, under Moscow(BB)
- 7150 S.AFRICA SABC IS 0055, begin EE 0100, swamped by Moscow(RB)
- 7155 JORDAN Amman 0545 AA mx, tlk(SFC)AA ID, mx: 0600(FEW)
- 7155 FRANCE ORTF N:E to Afr 0515-0530 //7255 better(LM)
- 7160 SARAWAK RMS 1100 IS, s/on w/Malay ID, EE pgm of mx(TLA)
- 7165 RYUKYU IS VOA Okinawa 1242 mx, CW QRM(DJ)
- 7175 UKRAINIAN SSR Starobelsk QSLd for 0331 Pac.Coast Svc, all other fqys are FE(ESB) Moscow EE 0507-0531 //9540/9580/11850/11980(JY)
- 7175 W.GERMANY DW ex: 7180 for AA to 2100*, to avoid Iraq(BP)
- 7180 POLAND RW 0800 HS relay, //9715/9570/11760, via 100 kw txs. Fqys not given WRTH71. During visit to R.Australia I confirmed these details from info they had(BP)
- 7200 RSFSR(As) Irkutsk listed(DF) EE cmtry 2321(KK)
- 7210 SWITZ ICRC test 0605 FF, EE 0622, 0634 SS(GH/SH)
- 7215 IVORY COAST RTVI 0710 FF, 1cl mx:(ECS)FF 0600-0800, 1 kw correct?(LM)NO, 100 kw.
- 7220 USSR "R.Kiev" 0430 exc in EE, unlisted fqy(AHR)
- 7225v KUWAIT RK AA feature px: 0415(BB)
- 7230 PHILIPPINES FEBC 1150 tourist talk, goegraphy lesson, in EE(DJ)
- 7235 se Jan, I did not report DW Port here(EBS) Sorry(DF)

- 7240 INDIA AIR Bombay 1234 IS, s/on lang w/nice sig(DJ)
 7245 S.VIETNAM VTVN Saigon 1153 fair lvl w/Viet mx & pgming(DJ)
 7260 S.AFRICA SABC *0400 Afrikaans after IS(ML/JS)
 7265 W.GERMANY SWF 0600-0800 poor, varies as 1½ kw, not listed 20 kw(LM)
 7275 NETHERLANDS R.Ned., *0800 Dutch to N.Af, S.Eur, //11785(REW)
 7285v POLAND Warsaw 0430-0500 Italian to Eur(BB)0635-0700 EE(RB)
 7290 MONACO TWR begin EE 0720(JS)EE ID, rel mx 0745(JY)EE hymns, tlk 0814-0855(KK)
 7293.5v ALBANIA Tirana EE to NA 0130-0158/0230-0258/0330-0358. Alternates w/7306v, which is better. //6193.4v(LM)
 7305 CLANDESTINE V.of Malayan Rev. Malay 1100-1200, then CC, //9590(LM/DJ)0638 YL in Malay or Tagalog, no mx(ECS)CC to SEA 2230-2300(LM)
 7416 N.VIETNAM Hanoi w/YL in Cambodian (?) at 1114(AVS)
 7480 CHINA Peking, YL in CC, //7770(AVS)(Time?-iF)Jap *0930-1200 f/o; fair(LM)
 7580 N.KOREA KCBS 0200 mx under what seemed to be jamming(DR)
 7589v CHINA Peking 2300-0000 SS to LA. SA is antipode, so likely better there(BB)
 7670m BULGARIA Sofia 0430-0525 AA HS(BB)HS? Not 0425?(DF)0600-0630 Græek(LM)
 7691v CLANDESTINE R.Euzkadi on old fqy, *0600-0655*, 2015-2310*, //10110v/12140v/14483. N: S, cmt.y. mx:(BB/LM)
 8195 CHINA Peking 1515 CC talks(WH)
 9009 ISRAEL Kol Israel 2115-2130 EE mx:(IW)2125 EE mx, FF 2130(WW)
 9020 CHINA Peking HS as early as 0700 w/"Bor deen toi" Cantontonese ID, mx. On this fqy, mid winter fadeout period between E.Asia & ECNA would normally be 0200-0800 (BB)
 9030 CHINA Peking 0000-0100 SS to LA(BB)2300-2355 SS to LA, //9446/9499(Tirana)/11445/15045/15095/15200/17745(LM) All these fqys heard?(DF)
 9359v SPAIN RNE 0030 N: S, sked to LA 2300-0500, //11710v, 15195*BB)
 9380 KAZAKH SSR Alma Ata here //10530, but better, RR songs 0337(AVS)
 9423 CLANDESTINE UNID SEA stn, likely Thai or NLF. 1300(LM)
 9440 CANADA CBC test FF to Eur 2050, exc lvl. 250 kw?(BP)0600 IS, s/on test(JS)
 9456v EGYPT Cairo 0500 N: A, Cairo sked WRTH71 seems somebody's wishful thinking(BB)
 9475 EGYPT Cairo w/EE 0200-0400(CWC/KK/WH/AK)
 9480 USSR R.Kiev in EE 0430 Sat(DC)
 9480 CHINA RP EE to NA *1200-1255*, NF ex 15095 //11685. CC to Pacific *0900-0955*, //9365/12015(LM)
 9499v CLANDESTINE Bizim Radio, 0604 Turk.ID "Buraai Bizim Radio", Turk. px to 0630*. Strong, QRM Tirana & USSR. Maybe in E.Germany. Info?(ESB) Believe E.Germany is correct. Perhaps Don Jensen can supply QTH on this.(DF)
 9499 ALBANIA Tirana in AA 0450, off 0457, back 0459 w/IS & FF(GH)
 9505 CZECH Prague 0630 new Italian px, 0700EE(ESB)ID 0655, trumpet, *0700 EE(CWC)
 9505 JAPAN NHK *0600 N: E(DC)
 9506v GUATEMALA TGNA still here 1800-2000 SS(REW)0000 SS rel px, 0100 N: S, //5956, both strong(ESB)
 9504-8 SUDAN SBS 1930 N: A(BB)2100-2290* AA, //4994(AVS/ARN/SFC/WW)
 9510 USSR Ashkabad w/Moscow lang 1330(LM)
 9510 VENEZ R.Barquisimeto good from 1100 to mid-morning, //4990(LM)1155 SS, IDs(AJG)
 9510 N.CALEDONIA Believe this tx is one of the old 4kw units. Used for all svcs: 1900-2100, 2330-0200, 0600-1100, hrd here at these times(BP)
 9515 TURKEY Ankara w/Turkish news 0430, this fqy not sked WRTH 71(REW)
 9515.5 URUGUAY R.Sarandi 0000 SS, all mx to 0045*, 4 Feb. S/off varies 0030-0105(ESB)
 9520 N.ZEALAND RNZ 0900 mx, ID 0930(CWC)EE mx 1030-1102(KK)
 9530 ECUADOR HCJB 0300 EE(DC)
 9535 SWITZ SBC 1515 N: E to Eur, audible 24 hrs in winter(BB)GG 0455(DAV)
 9540 N.ZEALAND RNZ 0700 ID & Island mx(JS)0730 ID, bird call(CWC)
 9540 CZECH Prague 2300 IS, s/on SS(TLA)
 9545 GHANA Accra 2135-2215* w/mx, mx, EE to Eur(DG)
 9550 BULGARIA Sofia s/on Turkish Sun, //9700, but weaker(REW)Time? 0530?(DF)
 9553 EL SALVADOR YES 0330 SS, good lvl(SFC)
 9550 JAPAN NHK 1000 EE mx in GOS; seems best GOS fqy to ECNA(BB)
 9562 PERU R.Nacional, Lima; 0415 classical mx, //6082(TLA)

- 1570 RUMANIA RE 0200 EE DX pgm, mx, nx(DC)Is it a real DX pgm, or the usual?(DF)
- 1571 NIGERIA RTV Kaduna 0530 N:E, ads, comedy in rapid H₂usa(BB)
- 1570m QATAR Qatar Radio AA chanting 1800, no break on the hour(BB)
- 9575 MONACO TWR *0700 Bulgarian Sunday only, then jammed(REW)
- 1575 GREENLAND Grønlands R.; 1010 IS, 1015 anmt, mx, songs, faded 1025(ESB)
- 1575 ITALY RAI AA 1900, Qatar seekers beware(AVS)*2230 Italian (DAV)
- 1585 FINLAND Pori 0240 Finnish interview(TLA)EE 0200-0230(CWC/MSK)
- 1590 CHILA R.Pres,Bal.; N:S 1025(TLA)0000 N:S, mx(wv)
- 1600 UZBEK SSR Tashkent nice at 1208 N:E(GH)N:E 1400, weak but clear(ACM)
- 1604v GREECE NBI Athens 1930-2100 Greek to NW Eur(BB)
- 1611v MAURITANIA RM as late as 1015 AA anmts, local mx; normally sked 1200-1430 week-days(BB)AA chant 0803 Sun, N:A 0855 & s/off(JY)
- 1615 S.VIETNAM Saigon 0000 Vietnamese tlks & mx(SP)
- 1620 BRAZIL ZYP96 the only one on fgy 0800, ID after every record(DC)
- 1620 PORTUGAL DW Sines recent NF 0415-0445 Bulgarian, ex 9535, jammed(BB)*0530 Czech, no jamming(REW)
- 1625 ISRAEL Kol Israel FF 2130-2200*(WBC)EE 2100-2130(IW)
- 1630 ITALY RAI 0409 EE to Australia/NZ/FE(ES)
- 1630 UNID stn 1115 SS rel pgm, weak to 1125 f/o. Any ideas?(ESB)
- 1635 COLOMBIA R.Nac de Col.; SS mx, IDs, 1130-1200(IW)
- 1645 NORWAY RN ID 0255, 0300 begin EE, //9550/9610(CWC)
- 1650 GUINEA Conakry 0635 regional choral mx under R.Moscow, //7125(TLA)
- 1650 PHILIPPINES VOA Tinang 2230-2330 Indonesian via long path, het Conakry, -1(BB)
- 1651.5 CHILA R.Yungay 1015 SS & mx, strong & clear 6 Feb(ESB)
- 1660 VENEZ R.Rumbos 1020 SS pops(TLA/DAV)1800 IDs & mx(DC)0502* claiming ERP of 200,000 watts; said would return "5am(GH)
- 1665 AUSTRALIA RA via new Perth facility-10kw; *1800-2000 EE, sked //7290, ex:11880(BB)
- 1675 MONACO TWR 1835-1900 RR, ex: 9615, on Sunday(BB)
- 1675T POLAND may be the SS spkr 1245; doesn't sound LA at all(BB)
- 1675 PERU R.del Pacifico 1145 SS rel mx, 1155 Quechua, 1201 ID(ESB)
- 1680 AUSTRALIA ABC Melbourne 0805-0825 nxm sports, mx:(SH)1400*(AJG)
- 1680 MONACO TWR GG rel px 1440, 1455*, strong(BP)
- 1682 VENEZ R.Monagas, Maturin; 1204 IDs, ads, vocals(GH)1030 mx & SS ads(ESB)
- 1685 ALGERIA Voz da Liberdade, 0015 PP to 0103*, //9510(ESB)
- 1685 BRAZIL R.Gazeta 2330 PP ads, anmts, ID, local pops(TLA)
- 1690 USA WFIW ID 2230, good(CWC)
- 9700 USA AFRTS Delano 0915 w/AFRTS Digest(CWC)
- 9700 BULGARIA Sofia 1945 EE w/usual Sofistications(AHR)1959 EE to Eur(RB)
- 9700 USSR R.Moscow, 0000 CC past 0130, buries Sofia; NF //9810. I suspect Turkestan region; reception similar to Alma Ata, hrd same time(ESB)
- 9705 INDIA AIR 1230-1315 Tibetan(BB)
- 9705 MEXICO R.Mex.; *1506 SS, annc this & 11770/17835/21705(GH)0010 FF ID(ARN)
- 9710 ECUADOR HCJB 0150 ID(CWC)
- 9715 NETH.ANT. R.Ned.; 0914 mx(CWC)2140 EE via Lopik(MSK)
- 9719v SAUDI ARABIA SRTV 2000 AA chanting(BB)
- 9725 ETHIOPIA ETLF 0400 N:E, mx(RB)
- 9730T R.Nederland?w/piano IS 1513, flute mx, lang, mx, FF, mx, f/o 1530, 7 Feb. R.Ned. on NF? Malagasy?(DPD)
- 9730 ETHIOPIA ETLF 0400-0425 EE mx, cmtry, mx(MSK)
- 9745 INDONESIA-West Irian RRI Sorong 0200-0400 Indon. & western mx, Indon anmts. Listed 500 watts; close to Australian mainland, so daytime reception possible(BP)
- 9745 MALAYSIA BBC FES on recent NF *1330 WS, sked to 1815(BB)Looking at this again, I can't tell if the fgy is 9740/9749. Which?(DF)
- 9750 SWITZ SBC 2300 PP, 2330 German, excellent(ML)
- 9751v W.PAKISTAN R.Pak.; 1235-1320 Kashmiri, QRM BBC, Venez(BB)
- 9760 ARGENTINA LRX 0130 SS IDs for R. El Mundo, pops, //11755(TLA)
- 9765 BULGARIA Sofia 2105-2130 EE to Afr, under DW(BB)
- 9765 PORTUGAL DW Sines on recent NF 1730-1830, ex: 9665(BB)

- 9780 ALBANIA Tirana 2330 SS, good(ML)
 9800 USA WAPF, McComb MS, highest order BCB harmonic I've yet hrd, 10x980 where I have a local, WPGA. Noted 1508 w/local armts, ads(GH)
 9805 EGYPT Cairo settled here *2145-2300* EE to Eur(LM)EE to UK 2215(BP)
 9833 HUNGARY RB EE "Calling DXers 1940(RB)Real DX pgm, or the usual?(DF)
 9860 CHINA Peking fair in Amoy to SEA *1200-1255*, //9490/15060(LM)
 9920 CHINA Peking FF to NA *1100-1155*, repeat 1300-1355. Indonesian tx used to be here 1030-1125 but has apparently moved(LM)1130 lang, mx:(CWC)
 9945 CHINA Peking fair in Vietnamese 1130-1255(LM)
 9965 CHINA Peking Jap svc *0930-1524*, //3960/4960/6955/7480. Eng to Afr *1930-2125* //9440/11695(LM)
 10040T N.VIETNAM Hanoi 1545-1555* mx, tlk in EE, abrupt s/off, no ID(JDT)
 10044 N.VIETNAM Hanoi (25-28 minutes each);*1000//12127 relay KCBS EE *1200 //12027; *2300 and //41 meters EE to GIs in Indochina(LM)2315 lang(DJ)
 10079v PSEUDO-CLANDESTINE noted s/off 1158 Cambodian//known Hanoi 10043v(which continues w/EE at new time of 1200). Since hearsay has it that Hanoi has been relaying Korean pgms from N.KOREA(in addition to its purportedly highly original Korean pgms,) it can be safely (for some) assumed categorically that all broadcasts seeming to originate in the Eastern Hemisphere are in fact a front for that nefarious (to some) Swan Island clique and their lackeys. (hi?) (BB) Hi? I dunno. Please be precise next time. Anyway, your words are too short, any words going for less than 23 cents I can't understand. (DF)
 10110v CLANDESTINE R.España Indep.; *0600-0655* //7690v/12141v/14482. SS *1900-2312* //7690, 12140v, 14483. Sometimes jammers come in well on this & higher fqys when Europe's MUF is below 31 meters; maybe jammers are located in an African colony or the Canaries?(LM)
 10152v N.VIETNAM uh, Hanoi 1200-1230 Cambodian(BB)What's the "uh" mean?(DF)
 10224v N.VIETNAM Hanoi's HS Dept 1000 Viet(BB) Is that 1000 or 1100, can't tell(DF)
 11321 INDONESIA R.Angatan Udara 1200-1230 Indonesian (LM)
 11505 CHINA Peking 0102 man in Chinese(AVS) Mandarin HS 0100(BB)
 11510 CLANDESTINE R.Portugal Livre 2330 PP, jammed, hrd on LSB(AVS)
 11570 RSFSR(Eur) listed Moscow area tx 0630 RR to Eur, W.Siberia(BB)
 11630 USSR Leningrad 0500 Moscow RR mx, 0525 ID as "Govorit Leningrad" & own mx: pgm to 0545. Some days all Moscow pgm, no local IDs. WRTH has Leningrad on 11700 for years, but never hrd there, believe actually on 11630. See also 15245(ESB)
 11695 Peyk y Iran 1805*(DC)
 11700 VATICAN VR IS 1725 on NF(ARN)
 11704v LEBANON Beirut on recent NF 1830-2030 EE, AA, FF to Afr(BB)
 11705 KUWAIT RK 1745 EE record requests, ID 1800, NF(JDT) (TLA)/
 11705 W.PAKISTAN Islamabad 0320 regional mx, 0327 man tlk, chorus anthem & s/off 0329
 11705 N.ZEALAND RNZ on NF w/N:E 1100(AVS)
 11710 AUSTRALIA RA N:E, mx 1229-1315(KK)
 11715 ALGERIA RTVA 0730-0800 //11835/9685(ECS)
 11715 TADZHIK SSR Suspect Dushanbe, hrd same time as Tashkent on 11925. Moscow Indon 1331, 1431 Indian langs to 1528. Dushanbe listed anywhere?(ESB) Not here(DF)
 11720 CANADA CBC 0200-0330 mx, mx, tlk(JTS/CWC)2125-2150* CW mx, DX Club(DG)
 11725 CONGO(PR) Brazzaville 0515-0530 N:E(JD)
 11745 ECUADOR HCJB 0100, excellent(ML)
 11755 ARGENTINA R.El Mundo 0300* after mood mx(AVS)
 11755 BELGIUM RTB 1800 Flem. pgm & mx past 2100, new fqy(ESB)
 11770 INDONESIA-JAVA RRI Djakarta, 2200 Indon mx, semi-local here(BP)
 11780 MOZAMBIQUE RCM 0400 gongs, ID, pops, EE/Afk ads(JD)0422 pops, EE ad(DJ)
 11780 LEBANON RB 0225 EE, AA 0300(JD) N:E 0235(TLA)
 11785 BRAZIL R.Guiaba 0145 PP ID, ads, anmts, pops; under USSR same fqy(TLA)
 11785 See Jan LR. DW at 1930 is probably Jülich, not Kigali(ESB) Right(DF)
 11791v BRAZIL R.Nac. Rio 2330 PP tlk, ID 2345(TLA)
 11800 CEYLON See Feb LR, fqy should read 11800 at 0100!(BP)1255 mx, lang(DJ)Hindi to Asia appears extended after 1730*, noted beyond 1900(REW)
 11805 DENMARK R.Denmark 1730 Danish pgm to 1815*, since 10 Jan(ESB)

- 11810 ALGERIA RTVA w/"Saut al-Asifah"(V.of the Storm) Palistinian pgm in AA 1900(PEW)
AA tlk & mx to 0000*(WW)
- 11810 INDIA AIR N.E 1334, cmtry, Indian mx: to 1400(IW)
- 11815 JAPAN NHK 1500 N.E(JDT)
- 11815 POLAND R.Warsaw Polish to NA 0200-0300 daily(WH)
- 11819 MOZAMBIQUE RCM 0415 mx, PP ID, faded by 0430(ESB)
- 11825 TAHITI RT 0300 Tahitian tlk, US pops, native drums(TLA)0230 lang lesson, FF
& Tahitian anmts(WH)
- 11827v CLANDESTINE V.of Malayan Rev, //7305. Noted 1230 Malay, 7305 QPMd 1230 by
another stronger Asian, possibly Peking, which I've definitely IDd on 9590, Is
this sheer coincidence, or a deliberate malicious put-down by Bib Brother?(BB)
Yes. (DF)Changing from Chinese to Malay pgm 2315, exc lvl(GAC)
- 11830 CHINA Peking 2215 Indonesian(BP)
- 11835 SUDAN Omdurman 0445 Sudanese rhythms, AA, //4994(REW)
- 11835 HAITI P.4VEH 1000 SS(ML)0100 ID, TC, mx(DAV)0145 mx, ID. 4VEH & 4VEJ considered
separate stations?(AK)Uh, hmm, well, uh, I don't know. And I helped write the
NASWA station counting rules. (DF)
- 11835 URUGUAY R.El Espectador 0000 SS, ID 0012(TLA)
- 11840 CUBA RHC recent NF, 0515 N.E(BP)
- 11840 JAPAN NHK on recent NF 1400 Indonesian(BB)
- 11840 PORTUGAL RP end EE 0345(DAV)
- 11844m MOZAMBIQUE V.do Moz., 1800 Swahili, low mod, ORTF QRM(BB)
- 11850 GHANA Ejura 2000 EE(JD)
- 11850 MALAYSIA BBC 0000 EE s/on, ID, WS mx:(TLA)
- 11850 NORWAY RN *2100 Nor, occasional EE ID(JD)
- 11855 USA WNYW exc *0000N.E(DAV)
- 11860 RSFSR(Eur) Gorki 1443 N.E(MSK)
- 11865 CONGO(DR) Lubumbashi 0435-0624 mx, N.F(JTS)
- 11865 CHINA Peking s/on Thai 2300(BP) *1100 to SA,
morning svc to that area(EP)
- 11875 BRAZIL R.Soc de Bahia 0112 N:P(AVS)
- 11880 AUSTRALIA RA 1500 N.E to S.Asia(BE)
- 11904.3 THAILAND NBS 1135-1220 lang, QRM(LM)
- 11910 ETHIOPIA ETLF 1930-2015 EE(BB/DG/MSK)
- 11910 NETH.ANT, TWR FF to Eur 2200-2215; also on 11780 some days(BP)
- 11915 ECUADOR HCJB 0330 RR to Eur(DAV)
- 11920 PHILIPPINES FEBC, ID 1200, ancd //7230(CWC)
- 11920 SEYCHELLES FEBA 0340-0400* EE rel px, tlk "On Happiness". In clear(DW)
- 11925 SPAIN RNE *0100 N.E, repeat 0200 & 0300(RB/DAV/AK)
- 11925 UZBEK SSR Tashkent 1400 N.E(AJG)
- 11930 SWEDEN RS 1600-1630 EE to Afr. NF this winter(BB)
- 11940 KUWAIT RK 1420 AA chants & mx(MSK)
- 11940 LIBERIA ELWA recent NF, FF rel tlk 1715, ID & call letters 1730(BP)
- 11948 S.VIETNAM VTVN, Viet tlk/mx: 0940A, hets V.of Philippines(EP)
- 11950 LIBERIA ELWA 0635 EE rel pgm(RB)*0615 EE rel pgm, mx:(IW)
- 11955 MALAYSIA BBC FES 1803-1821* w/UK Home Nx, lcl(Malaysia)mx:(SH)
- 11960 GREECE VOA-Thesaloniki, IS, EE ID 1500, into lang(JD)
- 11955 PHILIPPINES VOA-Tinang 1435 Chinese(WBS)
- 11970 S.AFRICA RSA EE to NA 2325-0320 ex 11875 at my suggestion-REW)Also reported
by AHR/JD/ARN/BP/DW
- 11975 E.GERMANY RBI 1455 Hindi, 1515 EE to SEA(ESB)1515-1600 EE to S.As(BB)
- 1197v ALBANIA Tirana 1400-1430 EE recent NF, app. ex 11860(BB)1429 Indonesian(GH)
- 11990 CZECH Prague 1530 N.E, cmtry, believe to Asia, off 1625(I lost the credit-df)
- 12010 UKRAINIAN SSR Kiev listed, 1155 RR tlk, mx. Possible this time?(AVS)Yes(df)
- 12027v N.VIETNAM Hanoi w/"V.of Viet." 1200-1230, //10043(BB)1305 lang mx, mx:(MSK)
- 12050 USSR "R.Yerevan" 0301 Armenian, //11690, since 3 Feb. 0331 Moscow EE to WCNA.
Maybe Blagoveshchensk on 12050(ESB)
- 12120 CUBA RHC EE here evening(time?df), 6060 in SS. Only harmonic I know of that is
multi-lingual with respect to its fundamental(LM)

Please do not use report form
designed by other clubs when
reporting. Some have used the
form ASWLC uses for reports. This
causes me to have to look all
over the form for the time, freq,
etc. It just doesn't fit the
format we use. So, please do not
use the ASWLC form when reportin
to this section. Thanks, DF

- 12127v CHINA Peking 0000-0055 RR, nF, not jammed(BB)
- 12140v CLANDESTINE R.España Indep. fair *0600-0655*, //7690/10110v/14483. Poor, becoming good before s/off sometimes, *1900-2312*, //7690/10110v/14483. Has nx, anti-Franco cmtrys, SS & US mx. Jammer QRM can be reduced with notches and selection of best sideband(LM)
- 12175 ENGLAND BBC SSB to ME 0230/0940/1745, //12125. Looking for Iceland(ECS)
- 12450 CHINA Peking, 2x6225, 1st HS px in Chinese(LM)
- 13200-13360 CLANDESTINE R.Euzkadi still active, tends to use 13275/13280/13300, but moves in middle of px to avoid jammers. *1930-2000*, *2030-2100*, *2130-2200*, //19 meter band area(15010-15100), (LM)
- 14483m CLANDESTINE R.España Indep. still here 1745 SS(BB)
- 15005.6v N.VIETNAM Hanoi langs daytime(time, please-df). EE poor 1300-1328, //12027v, beamed to GIs in Indochina(LM)
- 15030 CHINA Peking HS *0000-0300 f/o, Chinese(LM)
- 15060v CHINA Peking to NA 0000-0055, //17673. 0100-0155 EE to NA //7120v(Tirana, 9780v (Tirana), 17714v, 17855. 0200-0255 EE to NA //17714v, 17855. 0300-0355 EE to NA //7120v(Tirana), 9780v(Tirana), 15095, 15385, 17735. 0400-0455 EE to NA //15095, 15385, 17735. 0830-1025 EE to Pacific //11600, 11720, 15435, 17835. (LM)
- 15070 LIBERIA ELWA 2215 EE ID(CWC)not 15095? df
- 15085 IRAN R. Iran 1500 M&W in lang, local mx (TLA)
- 15095 LIBERIA ELWA 2000-2100 FF, ex 15170(still in AA 2100)(BB)
- 15105 AUSTRALIA RA FF to Afr 0500-0600, EE noted 0805(WH)
- 15105 BRAZIL R. Rural 2330* after M&W in PP, little mx(TLA)
- 15105 JAPAN NHK *0055, N:E to 0115(WBC)
- 15120 CEYLON R.Ceylon 0058, YL begins to talk 0059, QRM both sides(TLA)
- 15125 E.GERMANY RBI AA mx 1100, jamming gone at 1100 intended for R. Liberty. Is sked 1000-1400(BP)1400-1445 GG to ME, NF this winter(BB)
- 15130 W.PAKISTAN Rawalpindi *1100, native lang, chants(BP)
- 15135 INDIA AIR *1115, local lang, possibly a regional svc(BP)
- 15135 IRAN R. Iran 1900-1930, mx 1900(WH)
- 15145 CONGO RTNC 2153-2210 FF(SH) Nothing listed here in my book-df
- 15148v N.KOREA KCBS 2300-0000 SS to LA, then lang, SS again 0100-0155(BB/ARN/TLA/AHR/WE)
- 15150 EGYPT Cairo 2000 lang to W.Afr/ME, M&W tlk(TLA)
- 15155 BRAZIL R.Tupi 0203 IDs, carnaval mx, flutter(GH)0000 PP, ID, jingles, pops(TLA)
- 15155 CUBA RHC 2030 AA to ME(TLA)
- 15155 ETHIOPIA ETLF 0445-0525 FF to Congo, sked to return to 15145 after 7-3(BB)
- 15160 AUSTRALIA RA 2000 N:E to S.Pac(TLA)2155 EE, mx:(AHR)
- 15160 USA VOA-By, SS over RA 2215(AHR)
- 15165 DENMARK R.Denmark, 1230 EE ID, then s/off(DR)
- 15170 LIBERIA ELWA 2000 FF, 2100 AA(ML)2015 FF(TLA)AA 2208-2256(SH)
- 15175 PHILIPPINES VOA-Tinang 2330 EE ID & s/off after Asian lang. Doesn't fit the WRTH 71 sked(TLA)WRTH is compiled considerably in advance of the schedule period. Many stations make changes from their tentative schedules. This will account for many of the incorrect/incomplete schedules appearing in WRTH. This is not a criticism of WRTH, just an explanation of why things are as they are. df
- 15175 S.AFRICA R.RSA FF to Afr 1915 t/i(WBC)EE 2010 to ME, //15250(TLA)
- 15185 FINLAND Pori 1455 s/on, EE sked 1800-1830, strong(CWC)
- 15185 NIGERIA V. of Nigeria 0600 N:E, loud & clear some nights(ESB)
- 15185 SEYCHELLES FEBA 0110-0130, EE anmt, Hindi rel pgm(WH)I thought they had moved-df
- 15185 TURKMEN SSR Ashkhabad 1331 Moscow Indon, //17825 maybe Frunze. Also on 15360, 17870. (ESB)
- 15197v INDIA AIR GOS 1000-1100 EE to NEA, 15190 sked, NF(BB)
- 15200 AUSTRIA Vienna 1800 IS, Ger ID, EE to Afr(REW)Uh, make that Ger to E.Afr. df
- 15220 TURKEY Ankara *0600 Turkish, all over SABC, s/off 0630 weekdays. Runs to 1100 Sat/Sun(BP)Turkish mx, tlk, 0645(REW)
- 15220v CEYLON R.Ceylon 0130 Hindi film mx:(BB)
- 15235 W.GERMANY DW recent NF 1320-1420 Mandarin //11795/17825(BB)
- 15245 CONGO(DR) Kinshasa 0300*, then *0400, in FF(ML)YL in FF 0100, local pops till short news 0130(TLA)

- 50 USSR Leningrad listed, from *0540 daily w/mx. //11630, local Leningrad ID C743.
Moscow HS pr: from 0545(ESB)
- 5270 E.GERMANY FBI 0515-0600 AA to ME, NF this winter(BB)
- 5280 N.ZEALAND RNZ 0530-0610 mx pgn from BBC, change to 11780/9540 at 0610(LM)
- 5252v ROMANIA Bucharest EE to Eur 1300-1330, //1770v(LM) Out of order, sorry-df
- 5290 W.GERMANY R.Liberty 1600 Azerbaijani, 1700 RR, Chechen-Ingur & Avar pgms;
strong over jammer(ESB)
- 15295 FRANCE ORTF end EE 2015, begin FF(DR/TLA)
- 15300 ECUADOR HCJB GG to Eur 2015, Scandinavian lang 2030(TLA)
- 15305 INDIA AIR 0250 N+E by YL to 0300*. WRTH lists 15310. Noted on 15310 on other
days(TLA)
- 15320 AUSTRALIA RA 0153 EE to WNA(HS)
- 15333v BRAZIL R. Farrroupilha 2330 PP, Brazilian pops(BB)15335, Brazilian mx: 2325(AVS)
- 15355 BELGIUM RTB 2212-2305 FF & Durch; tlk, mx, mx(WH)
- 15344 GREECE NBI, Athens, IS 1727, fair lvl, believe 35 kw, not 7½(ARN/ECS)
- 15355 NETH.ANT. TWR GG to SA *1000(LM)
- 15365 SPAIN RNE N+E 2300 t/i(WBC)
- 15375 ECUADOR HCJB 2300 begin GG to SA(TLA)
- 15410 RWANDA DW Kigali N+G 0000, pops 0010(TLA)
- 15415 BRAZIL RC Ribeirão Preto 2330 PP ID by M&W & pops(TLA)
- 15430 S.KOREA VoEK 2245 lang & native mx; good lvl, unusual time(ARN)Begin EE to NA
0300(REW)EE mx & entry 0311-0330(KK)
- 15430 INDIA AIR now here for EE HS mx: 1230-1235, over SBC(BB)
- 15435 CHINA Peking EE to Pac *0830-1025*, //11600/11720(best)/15060/17835(LM)
- 15445 JAPAN NHK audible after VOA s/off 0000, EE, poor(ML)
- 15445 LIBERIA VOA-Mva, 2200-0000*(ML EE? df)
- 15510 CHINA Peking to SEA in EE 1200-1255 //9290/11600/15285. NF ex 9365(LM)
- 15555 CANADA CBC off band again, perhaps testing new tx? 2125 EE, pwrful sig, but not
on list 15325(GH)Maybe Gregg Calkin can get us some info on these CBC off band
transmissions. Gregg?
- 15595 CHINA Peking EE to NA 0155*, begin again 0200(HS)
- 15620 JAMAICA C&W cmtr, RC/SSB, Cricket coverage, Jamaica v.Trinidad 2148. I suppose
some would claim this as SWBC from a rare country(GH)But would not count for
NASWA purposes unless it could be shown the transmission was for the public,
not just a utility transmission, as I suppose this was. df
- 17640 EGYPT Cairo 1410 AA chant(WBC)1547 AA mx. Not //17670(AVS)
- 17655 EGYPT Cairo 1805-1838 mx, mx, Arabic by Radio, in EE(DG)1545 AA drama(AVS)
- 17673 CHINA RP EE to NA 0000-0055, //15060(SH/LM)
- 17695 ENGLAND BBC in EE to Afr 1540(AVS)
- 17700T BELGIUM RTB 1900 FF(LM)
- 17720 TAIWAN R.Liberty 0130 RR under jammer, 0200 VOFC, no break(ESB)
- 17720 TURKEY Ankara EE mx: 1400, NF, 250 kw, //17820(BP)
- 17750 SPAIN R.Liberty IS 1700, into Belorussian, above jamming(GAC)
- 17775 LIBERIA VOA-Mva EE 2315*(ML)
- 17800 MOROCCO VOA Tangier RR mx 1403, pwrful(AVS)
- 17810m MALAGASY REP R.Ned.; Talata, test 1245 FF, EE ID; should be well hrd in NA(BB)
- 17819 TURKEY Ankara *0600 Turkish, Sat; hets RA(BP)
- 17825 JAPAN NHK EE to ENA 2345, QRM Voa, Dixon, 17820 to 0000(ML)
- 17850 PHILIPPINES FEBC switching to this freq 0400 after 17810, EE to 0600* Sun(BP)
- 17860 ECUADOR HCJB NF noted late Jan, Jap 2200, RR 2230(BP)
- 17875 PHILIPPINES SEARV test 1558-1800 EE(WH)Details, please(df)
- 21475 E.GERMANY FBI EE to Af 1315-1400 //21600(Li)1725 FF to Af after lang(JDT)
- 21480 S.AFR. R.RSA FF to Eu/Af 1900-1950(JM)
- 21515 SWEDEN RS *1100 EE to NA, NF, ex 15315(BP)
- 21520 SWITZ SBC 1610 CG entry, mx(WBC)
- 21525 FRANCE ORTF 1400 FF sports, //21620/21645. NF(BB)
- 21535 S.AFR. R.RSA Ger 1830(WBC)
- 21540 E.GERMANY FBI EE to Asia 1330-1415(LM)

2580v EGYPT Cairo 1400-1500 Thai over ORTF(BB)
 21585 SWEDEN RS EE to NA 1400-1430 //15240(LM)
 21595 CANADA CBC 1831-1913 N:E, mx:(KK)
 21605 W.GERMANY DW AA 1445-1510*(WBC)
 21675 FRANCE ORTF 1900-2000 FF (DR)
 21680 AUSTRALIA RA *0645 EE to UK //11765(REW)
 21695 ITALY RAI 1530 "Italia Sporte" px for taping by stations in Montreal and Toronto, not listed regular sked. Hrd often(ES)
 21725v POLAND Warsaw 1230-1300 SS to Eur, recent NF(BB)
 21730 NORWAY R.Norway Sundays inEE 1800, fair-good(ML)
 21740 AUSTRALIA RA *0100 to NA(IW)
 21740 USA VOA Gvl Polish tlk 1845 (AVS)
 25650 ENGLAND BBC WS to 1615*(LM)
 25710 ENGLAND BBC WS to 1430*(LM)
 25730 NORWAY R. Norway EE Sun 1200-1230. 1400-1430, 1600-1630, 1800-1830 //25900(LM)
 1700- EE ID, Norwegian nx, EE ID 1725(JSM)
 25790 S.AFRICA R.RSA EE to Afr/ME 1217(AVS)EE 1330, sports(MSK)

* * * * *
 The last two fqys in the 60 meter survey should read 5240 and 5260, and the 5390 listing in Feb LR should be 5290.(ESB)

* * * * *

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Our thanks to those who supplied their loggings this month.

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SURVEYS

A 90 meter survey will be done. Actually, it will probably cover all SW fqys below 4000 kHz. It takes a lot of work listening, and compiling to put a good survey together. We had a tremendous group of DXers working on the 60 meter survey. We need the same quality people working on the new survey. Any who are willing to help are asked to contact me. We need experienced DXers, and accurate calibrations. The survey of fqys below 4000 kHz will probably not be completed in time for publication this DX season. But we need to begin working now. We will try to publish the survey in late summer or early fall, and perhaps up-date it in December or January. So, PLEASE, if you are willing to work on the new survey, contact me.....The 60 meter survey will be up-dated in a few months also.

Last Minit
News/Tips

FLASHSHEET

Last Minit
News/Tips

AL R. NIBLACK - EDITOR, 420 SHELBY ST., VINCENNES, IND. 47591 Deadline 23rd of Month
* * * * *

ALBANIA Tirana noted with HS, 5060A, time pips, clear ID in lingo. (Chris Lobdell, Mass.)

BOTSWANA 4845 This one reached audible lvl, 2/15, 2/16, heard over RPTY, with English 0420, African music. (Ralph Perry, Ill.)...4845 Observed with English news at 0420 when ute off, after 18 months trying! Weak lvl. (Al Sizer, Conn.)

BURUNDI (FLASH) John Tuchscherer, Wisc., direct from the station has received the following: "Dadio Cordac has an immediate development plan. First step has been the acquisition of a 17 acre antenna and transmitter site at Nyakarago. There an omni-directional antenna will soon be installed. Future plans call for six directional log periodic antenna covering 60 to 70 degrees and will be driven with transmitters ranging up to 10kW. First one is being prepared for possible initial beasting on Easter Day of this year." /year."

BRUNEI 4865 Good with organ music, ID at 1330. (Chris Brooks, Colo.)

CAMEROON R. Garoua, 5010, noted 2134 with native folk tunes and talk in vernacular. S/off 2200. (Chris Lobdell)...This one weakly with "Ici Garoua", 0652, ID. (Ralph Perry)

CHILE 9650 R. Yungay caught with ID, FB sigs, 1005, with LA music. (Al Sizer)

CONGO(R) 7115 Kinshasa, 0200 S/on, IS, an ID, anthem, at fair lvl. (Chris Brooks)

DENMARK (FLASH) According to a recent letter R. Denmark will now QSL English reports. Quote from the letter: "As you may know we stopped our whole QSL Svc at the end of 1969 but we had to start again for overseas areas - simply to get enough material to know how listening conditions were. We are pleased to send you a QSL." (Chris Lobdell)

ECUADOR 11745 HCJB noted QRM de VOA at 0400. (Jerry Stuart, Okla.)

ETHIOPIA ETLF, VOG, on 11850, 0300 in French to Madagascar, 1/26; on 9730, 0330 Swahili to E. Africa, English news, 0400. (August Balbi, Calif.)...9525 ETLF at 0359 with poor signal, English ID, and music. (Chris Brooks, Colo.)...9730 ETLF observed at 0400 ending of Swahili, then into English news. Fair signal. (Rich Heggs, Canada)

FRANCE Unidentified French spkr on 6175, which I previously suggested as Haiti, at 1000 with news, is more likely ORTF, Paris. No actual ID heard. (Al Sizer)

HAITI 6157 Found at 1130, 2/4, with ID, "R. Citadelle". Organ music, OM anncr in Creole. (Ed shaw, Va.)...(Though has been inactive, think now possibly returned, Editor)

HONDURAS 4920 Seemingly just on the air, frequent IDs for, "Radio Progreso, en El Progreso, much native music, 0200 checks, FLASHES Ger Dexter, Wisc....4920 Caught R. Progreso closing 0356, several clear IDs in Spanish FLASHES John Tuchscherer)

GUINEA(R) English prgm heard 0320-0337, 9650, 2/18, which went something like this: "Listeners (Freedom fighters and militants of the African Democratic Revolution)", you are invited to write and give your impressions about our prgms." (NO mention or promise of a QSL, though). QTH as per WRITVIB. Said daily prgms in English 1830-1900; 0000-0100; and 0300-0330 medium wave. 4910, 7125, 1403 MW; no mention 9650. (John Soneff, Jr. La.) (Editor's note: I wonder what time basis this is?)

INDIA 7125 AIR noted with English news 1445, parallel 9575 (best lvl) (August Balbi)

INDONESIA (SUMATRA) Pakanbaru has QSLed by letter in native for my report in same on 5845. (Al Sizer)

LEBANON 11780 R. Beriut logged at 0229, fair to good lvl, English news and talk. (Chris Brooks)

LIBERIA ELWA, 4770, HS logged at 2145 with English News. (Mark Duba, Vt.) / Brooks)

LIBERIA ELWA noted on 15260, a move from 15230, S/on in Arabic 1616; 1715 S/off. (August Balbi)

MEXICO XERM, R. Mexico, now on 21700, a move from 21705 which parallels / Balbi) 17835, with English news at 1715. (August Balbi)

MAURITANIA R. Mauritania heard very clearly, no pain no strain, 2203, with Arabic music; again at 0700, both times on 4850. (Ralph Perry)

MOZAMBIQUE R. Clube de Mozambique, 6050, noted in parallel 11780, with rock and pops, ads mostly in English. (Chris Lobdell)

NEW CALEDONIA 9510 Noumea, in parallel with 7170, fair at 0630; also 0930, in French, loggable since 1/15. (August Balbi)

PAKISTAN R. Pakistan, 17910, heard with good signals in English with news at dictation speed, 2/14. A new freq? Time, 1335. Several days earlier on usual 1945. (Chris Lobdell)

SARAWAK 4950 R. Malaysia possibly, at 1335, at good reception lvl, heard with Japanese music. (Chris Brooks)

PLEASE TURN OVER

SIERRA LEONE 3316 Freetown tuned in English from 2243 by M; followed with music, closing at 2310. (Ed Shaw)

SO. AFRICA Radio RSA is using new 11970, replacing 11875, to NA, 2330-0320, in parallel with 9705, 9695, and 15220. (August Balbi)

TOGO 5047 R. Togo is heard fairly consistently with quite good signals (S9 plus 20DB), 2230-2400 S/off, in French and pops. (Rich Heggs)

TRUCIAL COAST 6040 (FLASH) A second letter from H. "Jack" Abbott, in answer to my inquiry, states the administration office of Saut As Sahil is in Dubai, the transmitter site about 22 miles away; geo-coordinates of tx are 25.21.30 N, 55.23 E. But later this year txs will be moved to Dubai area, 25.20 N, 55.15 E, a new 50kW Continental MW Transmitter will be added. (Don Jensen, Wisc.)....Me, I am not green with envy any longer as Engineer in Charge, H. "Jack" Abbott confirmed with QSL letter in 52 days lapsed time via airmail, for Saut As Sahil. He is quite friendly. For more details see Don Calkin's QSL Section. (Al Niblack, Ind.)

UPPER VOLTA 4815 Ouagadougou heard with French, native music, though much local QRM. Best I have heard them though. (Ed Shaw) (Openings to Africa have been FB recently,

VENEZUELA 5063 The unidentified that has been puzzling so many recently, and (Editor) reported as such in February Log Report by G. Dexter, is definitely Radio Litoral. FB signal here 2/16, from 0122 tune, clear IDs, 0144 and 0148. Another ID at 0200, prgming LA music, M & W anners. (John Tuchscherer)

USSR (TURKMEN SSR) Radio Ashkhabad (TENT), 4825, found with R. Moscow IS at 2200, into language, poor lvl 2/13. (Chris Lobdell, Mass)....ARMENIA Yerevan, 15180, paralleling 17775, S/on at 0300; with English 0325-0330, Weds., Thurs, Sats., Suns., and annod in PST for 15.1 and 17.8, strong lvl, using Moscow xmtr, 1/23. (August Balbi).... BSFSR Beautiful logging of Radio Moscow Relay this "morning" under AFRTS on 9700. The relay site is Chita. Am sending a report. (Bill Matthews, Ohio)

YEMEN (S) Aden noted weakly on 5060 with Arab vocals and anncts with fadeout by 0350, mostly at poor lvl. (Chris Lobdell)

MALACHE REP (Please see previous month's items on this one) What was originally thought to be possibly R. Nederland's new Relay Station testing from Madagascar on 17810, at 1230 with pianô IS is now thought to be maybe the Indonesian Svc of R. Nederland's. This service has been in effect for several years to Indonesia with this type of IS. There has been no official word of clarification from R. Nederland to my query as to just what is going on on this freq. (Al Niblack, others)

LAST MINUTE ITEMS: INTERNATIONAL WATERS Radio Nordsee International is now testing daily at irregular hours on 1367 MW and on 6203.5 SW according to latest information from one of its owners. Regular bcasts will start during the latter part of Feb (SwcDX-SPAIN In a local news item Radio Nacional de Espana annod that R.N.E.'s new short-/ers) wave service will be on the air during 1971. The shortwave center will be the most efficient and up-to-date in Europe. (SwcDXers)

JANUARY 1971

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 2-4-71

1-58 2-62 3-62 4-69 5-52 6-52 7-56 8-66 9-74 10-70 11-68 12-75 13-70 14-67 15-61
16-65 16-65 17-68 18-86 19-98 20-104 21-106 22-105 23-96 24-99 25-82 26-88 27-111
28-99 29-95 30-74 31-76 MEAN--77.9

PREDICTED: FEB-81 MAR-79 APR-77 MAY-75 JUN-73 JUL-71 (Grady Ferguson, No. Carolina)

ACKNOWLEDGMENT: Thanks to all those who made the effort and supplied material to make this column possible. Without you, it would not exist.

In closing, a few reminders: Please mail your items in time to reach this QTH by the deadline. It is necessary to operate on a schedule here and typing begins on the deadline date. Please do write on one side of the paper only. Please do double space between each item. There is a most valid reason for these requests. Flash items may be phoned in after 2200 GMT.

Requests seeking information in re receivers, accessories, antennas, and etc., technical or semi-technical nature, may be addressed to this department. Please inclose an SASE.

See you all next month, good DX and Happy Hunting,