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NORTH AMERICAN SHORTWAVE ASSOCIATION

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----- APRIL 1968 ----- VOL. 7 NO. 4 -----
----- NASWA HEADQUARTERS ----- U.S.P.O. BOX 989 ----- ALTOONA, PA. 16603 USA -----

MEMBERSHIP VS SUBSCRIPTION

The sooner members of clubs such as ours come to realize we are joined together in a common bond to help and share with one another the pleasures of the hobby, the better off all concerned will be. Trouble is however, because of the assorted commercial publications available, too many in the hobby have become overtly subscription-minded and therefore tend to consider membership in a club similarly. Of course these commercial publications are all well and good, are even in ways, necessary to our clubs and hobby, but it still remains that they "spoil" the majority of newcomers into misconstruing the basic/true meaning behind their joining and becoming members of clubs. You do not subscribe to a club bulletin! Anyone who intentionally does so should not be accepted. Clubs cannot exist if the majority of their members are mere subscribers rather than sincere members! Membership fee's are accepted for use in purchasing supplies resulting in bulletins. The club makes no profit, no officer receives pay. All monies go into producing and mailing bulletins. Even so, fee's alone cannot make a club or its monthly bulletins worthy; It takes the support of active, sincere members also. This is where commercial publications and non-profit club publications differ. Former contain ads for which they are paid to insert; Latter, needless to say, are sum-totally dependent on only membership fee's from which not one cent profit is made.

In joining a club, a sincere member does so with intention to learn more about the hobby, making/meeting new friends, helping others in ways he can, promoting the ideals of the particular club, partaking of the various activities of the club, reporting to one/some section of the bulletins as often/regularly as he can. He does not simply sit back and await arrival of bulletins each month! He joins the club, he does not subscribe to its bulletins! He becomes a part of the club by supporting its bulletins. So, as you read through the pages of this, or any club bulletin you receive, ask yourself if you are a member or just a subscriber and then act to justify or rectify the answer you come up with. Check the names appearing on each page, know that these are members who are giving support and heart which makes bulletins possible. If your name does not appear, ask yourself why. Are you a member or a subscriber?

"and from the multitude, only a mere handfull were found worthy."
.....Bill Eddings

NEXT MONTH: All about the BC221 Frequency Meter...Station features including Radio Clube Portugues, Norea Radio and Radio Ethiopia...More suggestions for NASWAs "Dream Shack"...and numerous other articles/features along with the regular sections that make Frenx the "Journal for SWBCers". Dont miss a single edition! Report to them all!!!!

Frendx is the official publication of the North American Shortwave Assn. and it is expressly for the SWL/DXer interested in International Shortwave Broadcasts. There are no subscriptions; Only members in good standing are entitled to receive copies other than samples or exchanges.

Membership in NASWA is \$5.00 per year, 12 bulletins mailed via 3rd class mail NA or surface mail abroad. For those desiring more expedient delivery, via 1st class mail NA, an additional \$2.00 fee is required. Airmail rates are also available.

This and all editions of Frendx is made possible through the combined interests, efforts and cooperation of the club officers, bulletin staff and supporting members. NASWA is a non-profit hobby organization now in its seventh consecutive year of continuous operation and is in affiliation with the Assn. of North American Radio Clubs.

FRENDX STAFF

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Notice...A reminder that Hdqs will not remail bulletins that are returned because of change of address which the member has not notified/corrected, nor unless/until such member remit "postage due". It is also pointed out that if a member does not notify Hdqs of change of address within sixty days, bulletins will not be held for remailing.

SUPPLIES and AIDS...Club rubber stamps are available for \$1.00 ppd from Hdqs. Logging Report forms are available for SASE, from Del Hirst. Foreign Language Report forms can be had for 10¢ each and return postage from Gregg Calkin, be sure to specify the language(s) desired...French, Portuguese, Spanish. Copies of NASWA Official Country List can be had for SASE from Hdqs. Same applies to copies of NASWA Awards Program. Non-members must also remit 25¢ per copy.

FRENDX, known worldwide as "The SWBC Journal"....tops in its field.

ELECTION RESULTS, BOD 1968-70 TERM

The ballots all counted and double-checked, it is now officially stated that the NASWA Board of Directors for 1968-70 term of office are Donald Jensen, Gerry L. Dexter and Richard E. Wood. Don and Gerry were reelected, Richard replaces seat formerly held by Lou Stober who did not choose to run for another term.

While Hdqs is quite pleased with the outcome, we are perplexed as to why only a total of 235 members were interested enough to exercise their voting right. This is less than half our total membership.

To Gregg Calkin, Warren Nordgren and Marlin Field who were defeated, the club extends sincere thanks for offering services, and sincere regrets that they too could not have been elected. As was noted on numerous ballot forms sent in "It was difficult to choose from such a list of worthy candidates."

In days ahead, the new BOD will be striving to better the internal and operational end of the club; Also to improve bulletins, as well as to effort making future of club more secure. Majority of members do not realize the amount nor the importance of the work done by the BOD. More should alert and educate themselves thereto.

CARE TO HELP???

It being well known that not all members save all copies of bulletins; And being Hdqs receives numerous requests for sample copies every month, it is asked that any/all members having no use for bulletins once they have read them, that they kindly inform Hdqs. Purpose is that we would like to have such bulletins returned in order they might be resent as samples to prospective members. NASWA will reimburse for postage, if the member(s) request so. Thus should you care to help, please notify Hdq at your earliest convenience. Thanks!

NASWA AWARDS PROGRAM

With this edition of Friendx, all members will receive a copy of our new/revised Awards Program. Please be advised that this is only part, and that others will be added/made available to members who are interested and can qualify. Those released at this time are the basic; Those to be added in future will be more special, yet of worth/interest to both new and old DXers. Should you have any ideas or suggestions re awards you would like to see us offer, write William Graham, P.O.Box 606, Binghamton, New York 13902.

NOW HEAR THIS..!

In recent months, due the many new members each month, there are those who feel that we should be able to make our bulletins more "attractive" in various ways. For the most part, few of these members seem to realize that even present bulletins, as they are, cost the club close to \$200.00 (including postage) every month. To advance to an offset type bulletin would run us far more than would be good for the future security of the club. While it is true that one or two overseas clubs put out very fine offset bulletins, we would point out that their expenses are not as great as those we have here in the U.S., and too, certain overseas Governments allow "priviledges" to clubs which those here in the U.S. do not have.

NASWA Hdqs has very closely investigated the matter/possibility of going to offset, but has found that it is not practical at present time. This is not to say that such cannot be done in future however.

And for those who may not be able to fathom certain points involved, we would ask that they consider the why other clubs, mainly the largest/oldest in the U.S. has never gone to offset. The gentlemen running this club are saged and experienced and are well aware of the pitfalls to beware. We like to think that we who presently run NASWA are equally aware. The average member does not appear to be educated re the internal and financial operations of a large club.

In any case, be assured we hope to improve our bulletins as best we can in days to come and that the first move will be to have commercially printed mastheads for the front page. Other improvements will be made in time, gradually. Meantime it is wise that we do not dip too deep into our treasury. Too many other clubs have erred this way and are no longer around these days.

AROUND THE CLUBS

ASWLC: Effective June 1st, membership dues will be increased to \$5.00 per year third class and \$7.00 per year first class NA. Exec. Editor, Stewart MacKenzie gives the reasons as being rise in cost of supplies and expansion of bulletins. New rates have been approved by the clubs BOD.

CDXC: According to Prexy Ralph Irace Jr., voting for Board of Governors will be held provided enough candidates are nominated. If not, idea will be dropped and present system will be upheld re running club.

NNRC: This, the oldest and largest of all NA clubs, is currently engaged in bi-ennial election of officers.

FDXC: Having gained some new section editors and now in process of electing its first BOD, this club is progressing and appears the most promising of newer clubs.

CIDXC: Due to the hiring of a professional typist to do cutting of various stencils each month, Prexy Lorne Jennings informs his members that a dues increase is forthcoming in near future.

WTFDXA: Exclusively for TV and FM DXers, this club is now in full swing. Membership at present is about 60. President is F.S. Dombrowski and bulletin staff consists of Glenn Hauser, Morrie Goldman, Gary Olson, Dennis Smith and Roger Bunney, also Ambrose Maxim. Dues are \$3.50 per year, sample copy of bulletin is 30¢. Address is P.O. Box 5001 Milwaukee, Wisconsin 53204.

IRCA: Celebrated its fourth anniversary in March. We of NASWA extend belated, but very sincere 73 and wishes for continued luck and success in years ahead. This club has one of the most devoted bulletin staffs of any and can boast of some of the worlds best BCB DXers. Good show IRCAers!

WCCGB: Advises that it is necessary for it to suspend publication of bulletins for an indefinite period. Reasons given are that former publisher has been QRM'd by a prolonged ill-health, club has no duplicating equipment of its own. If and when club is to resume publication it will most likely be under new leadership and new staff.

If you must kill time,
Work it to death!
Let thy speech be better than silence,
Or hold your breath!

Dionysius

SERVICE AVAILABLE

Being that a number of members have been writing Hdqs, asking for copies of certain articles, etc., that have appeared in past editions of our bulletins...and being we have had no extra such copies in most cases, two of our members have been good enough to offer a service.

Robert Spieler, 176 East 176th St., Apt. 3E, Bronx, New York 10457, and Dan Jamison, 1749 Alaska Dr., Richmond, Va. 23224, will make copies of desired articles, etc., for members if they will remit 10¢ per each page and also include return postage. Be sure to specify the article, and if possible, the info as to what edition of the bulletin it appeared in. Bob or Dan may not have the particular edition and will need to contact Hdqs thereto, so if your request is late in being complied with, be patient. Remember, send 10¢ for each page required, and include return postage. Our thanks to Dan and Bob for making this service possible to our members.

THIRD-CLASS QRM

We continue to get mail saying bulletins are slow or late...via 3rd class. This is nothing new! Members should know that it is not the fault of Hdqs however and that the only suggestion we can make is that 1st class mailing be given consideration. Odd, but 3rd class to certain areas is as expedient as is 1st class to other areas. Who knows why? Its just one of those lil "quirks" in the US Postal Services. Eh?

* * * *



Mr. August Balbi "Dean of NA DXers"



WELCOME NEW MEMBERS

(Applications received after
20th of month will be listed
in next months Bulletin!)

Rudolf P. Groger, Davidgasse 62/10, 1100 Vienna, Austria. Age 19, single, chemical engineer. Rx is a Philips L4A62T. Antenna is indoor 10m. Interested in awards, contests, QSLs. In hobby a year. Member of Radio Budapest and Radio Prague Monitor Clubs. Heard of NASWA via Sweden Calling Dxers.

Rob Harrington, 3181 South York, Englewood, Colorado 80110. Age 20, single. Uses Realistic 17T and Realtone 11B as rx's; Cush-Craft TrikStik and an inverted L antenna. Been in hobby for 2½ years. Member of ASWLC. Interested in contests, awards and astronomy. Learned about NASWA via Radio Nederlands "DX JukeBox" program.

Richard VanFleet, Box 1693, Gulfport, Mississippi 39501. Age 35, single, salesman. Rx is HQ145. Antenna is longwire. Interested in awards, contests, cardswaps, geology and fishing. NASWA is first club, read of it in PE Comm. Handbook.

Petro Pryshepa, 216 Broad Ave., N.W., Canton, Ohio 44708. Age 34, single, engineer. Rx is Drake SW4A. Antenna is Mosley SWL-7. Interested in contests, chess, music and skiing. New to hobby. Born in Ukraine. Read about NASWA in Poptronics magazine.

Jim Meaney, 254 Maxfield Street, New Bedford, Mass. 02740. Age 44, married, shore engineer. Rx's include BC342, HQ129X, Collins 75A2 and an S-77. Uses a quad and a colinear antenna. Interested in awards, contests, cardswaps, photography and marine engines. Hrd about NASWA from "some of the fellows in the club".

Richard Sia, 656 Paikau Street, Honolulu, Hawaii 96815. Age 14, highschool student. Rx is Knight SpaceSpanner. Other gear includes preselector. Antenna is 85' longwire. Interested in amateur radio, music, lab sciences and rocketry. Holds ham ticket WH6GLP. Joins NASWA on recommendation of friend/member Mike Mochizuki.

William M. Kavanaugh, 27 Chestnut Lane, Newburgh, New York. 12550. Age 39, married, attorney. Rx is Hallicrafters SX-130. Antenna is longwire. New to hobby. Interested in SWLing, hunting, fishing, swimming and reading. NASWA is first club. Read of it in PE.

Jan A. Sell, 4118 Willow Avenue, Pittsburgh, Penna. 15234. Age 15, highschool student. Rx is Hallicrafters S-120. Antenna is longwire. Other gear includes Sony TRC200 tape recorder. Interested in awards, contests, QSLs, cardswaps and tapesponding, also CBing, coin collecting and baseball. Joins NASWA via member/friend Jim Wasson.

Dennis A. Doonan, 2307 Carlisle Avenue, Racine, Wisconsin 53404. Age 19, single, college student. Rx is Knight R-100. Antenna is 50' longwire and 11m vertical. Other gear is Revere tape recorder. Interested in awards, contests, QSLs, cardswaps, tapesponding and photography. Been in hobby, off and on, for five years. Member of CIDXC. Read about NASWA in PE Communications Handbook.

Christian Rynning, Route 3, Pontiac, Illinois 61764. Age 62, married, retired. Rx is a Hallicrafters S40A. Antenna is Mosley SWL-7 and HyGain SW6. Latest gear added to shack is Drake SW4. Interested in QSLs and cardswaps. Read of NASWA in PE.

Robert Peritz, 210 West 230 Street, Bronx, New York 10463. Age 19, single, accountant. Rx is Knight StarRoamer. Antenna is inverted L. Interested in awards, contests, QSLs, stamps, tennis and archery. NASWA is first club; Read of it in PE magazine.

Ronald J. Ponke, 8079 Dale, Centerline, Michigan 48015. Age 16, highschool student. Rx is Lafayette HA-700. Antenna is 70' L-shaped longwire. Other gear is Lafayette RK142V taperecorder. Interested in awards, QSLs, cardswaps, newspapers and hockey. Member of NRC and NNRC. Wants to begin tapesponding. Joins NASWA via friend/member Mike Macken.

Dahl G. Morgan, 451½ Ralph Street, Elmira, New York 14904. Age 25, married. Rx is a National NC-188. Antenna is longwire. Interested in awards, contests and cardswaps. New to hobby. Read of NASWA in PE and RTVE magazines.

More new members, next page...

New Members; cont'd...

Lee Boggs, 622 Loridans Drive, N.E., Atlanta, Georgia 30305. Age 14, highschool student. Rx is Drake SW4A and Knight StarRoamer as standby. Antenna is Mosley SWL-7 and longwire. Other gear is Tymeter clock. Interested in awards, contests, QSLs, photography and golf. Joins NASWA on recommendation of friend/member Jim Daley.

Bill Vogt, 17435 65th Avenue, Tinley Park, Illinois 60477. Age 16, highschool student. Rx is RCA C13-2. Antenna is 50' longwire. Other gear includes Webcor tape recorder. Is interested in awards, contests, QSLs and music. Read of NASWA in PE.

Marty Olle, 1320 Seminole Drive, Ottawa, Illinois 61350. Age 15, highschool student. Rx is Hallicrafters SX-99. Antenna is vertical and 2 longwires. Other gear includes xtal calibrator and tape recorder. Interested in awards, contests, QSLs and weightlifting. New to hobby. NASWA is first club. Read of it in PE Comm. Handbook.

John W. Banta, 6 Ocean Drive, Bayshore, New York 11706. Age 21, single, electronics student. Rx is Hallicrafters SX-110. Antenna is 25' folded dipole and 62' inverted L. Other gear includes Panasonic RQ102S tape recorder and Superex AP-S headphones. Interested in awards, contests, photography, model trains and stamps, also QSLs. Read of NASWA in Popular Electronics magazine.

Thomas W. Watters, 5 Ross Street, Wharton, New Jersey 07885. Age 36, married, electrician. Rx is Drake SW4A. Antenna is 80' dipole. Interested in awards, contests, QSLs. New to hobby. Member of NNRC. Read of NASWA in PE Communications Handbook.

Tom Upton, 3624 Mid Pines, Dalls, Texas 75229. Age 15, highschool student. Rx is Haeth GR-64. Antenna is 50' longwire. Other gear is Concord F20 tape recorder. Interested in QSLs, contests, awards, stamps, coins, sports. Read of NASWA in WRTH. '68.

Jim Homan, 2225 Johnstown Drive, Florissant, Missouri 63033. Age 16, highschool student. Rx is Knight StarRoamer and Hallicrafters S-200. Antenna is Mosley SWL-7. Other gear is Haeth Q-multiplier. Interested in QSLs, awards, contests, bowling and tennis. Member of RNYWLC. Read about NASWA in 1968 WRTH.

(Other applications, rcvd after 20th of month, will be listed in next months bulletin!)

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RENEWALS We are pleased to welcome the following members back for another year(s).... Edward Shaw, Stanley Cabral, Andrew Pappas, Jonathan Kusko, their second; Jerry Green, John Hartman, Art Poulis, their third; Steven Bergman his second and third. Thanks OM!

APRIL BIRTHDAYS

Many happy returns to the following members celebrating this month. Luck, fun, success!

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|--------------------|--------------------|-----------------------|
| 1 Alan Seip | 9 Larry Marshall | 17 Dave Carlson |
| 3 John Fussner | 11 Bert Adams | 17 Marty Kane |
| 5 Art Mitchell | 11 Bruce Churchill | 17 Frank Richardson |
| 6 Clarence Poole | 12 Glenn Hauser | 20 Dennis Hendrickson |
| 7 D. L. Bechard | 13 Stan Mayo | 23 Brude Cuthbertson |
| 7 William Matthews | 13 Bob McClain | 23 Joe DiLeo |
| 7 Henry Slade | 14 Ren Frye | 25 B. R. Robertson |
| 7 A. W. Crittenden | 14 Tom Upton | 26 James McColley |
| 8 Ralph Perry | 15 Pete Lisenco | 28 Andrew Pappas |
| 9 Steve Kruse | 15 Edward O'Conner | 30 Carter Straub |

MIMEO FUND

Again a reminder that we are still asking/ soliciting contributions for our new mimeo and addressing equipment. Every and any amount is accepted and appreciated muchly. Members contributing this month are; Steve Kamp, Del Hirst, Ed Shaw, Dan Ferguson and Steve Bergmann. Thanks gents! Total to date is \$204.65

"Coming together is a beginning; Keeping together is progress; Working together is success"

WRTH's MAILED!

The slow service of new publisher of WRTH was most discouraging, but our initial order finally arrived and copies have been mailed to all members ordering via NASWA. Another order is to be sent by end of this month; After that we will not accept any further orders at discount price. (This pretains to the '68 edition.) Any member who ordered and did not get their copy, please inform Hdq immediately! Overseas members should remember to allow extra time for them to reach their

"THEOPENMIKE"

Comments/opinions/criticisms/suggestions regarding subjects and matters pertaining to clubs, bulletins or the hobby proper...The Open Mike is media via which members can "speak out". The only restrictions are that letters must not exceed 500 words, not infringe on political or religious topics.

"In re to the various subjects recently brought up in this column, here are my feelings and comments. Re the suggestion concerning Logging format, I agree with Mr. Cohen and Mr. Baines that it should remain as is. In my opinion, listing by freq enables many DXers to ID unknown stations by noting what other members heard on those and nearby freqs. As to listing by country, it only takes a short while to scan present listings to find particular countries. I personally dont like a by time format because many of the stations are heard numerous times of the day and night, fade in or out for different areas of the country. Re Mr. Hausers' suggestion for domestic SW stations, sounds feasible, as the 49m and Tropical bands are dead in daytime anyway. However, the point of listeners re-equipping for SW is important and I dont think it would catch on here in the US. I agree with Mr. Mochizukis' proposal for more pictures, etc., in Frenx; I am sure these are well accepted by members." Richard Pistek, Illinois

"I feel that the Logging format should be listed by time. When an SWL is DXing, he can only look for stations that are broadcasting at certain times. Listing by country, or by frequency as presently, you have to look through the complete list to pick out the stations broadcasting at particular time." Sanford Young, New York

"I think the present Logging format of listing by frequency is excellent and should be retained." Trev Burke, British Columbia

"To further clarify my position on why I think present Logging format should be kept; If listed by country, it would provide only one advantage, that is finding the certain country(s) more readily, but still, under present format, it only takes a few minutes to find certain countries. If listed by time, it would require more work for the editor and too, times listed could be sign-on, sign-off or in between, taking up far more space. The present format is the ideal and its advantages outweigh any of the other formats suggested." Steve Cohen, Connecticut

"Concerning the debate re Logging format, I am in favor of a method that would satisfy both editor and members and propose the section could be divided up into continents or areas, still keeping listings as at present, except for one change...To the extreme left, numbers will be listed to represent hours before or after midnite GMT. Example- /4 3306 Rhodesia, Radio Rhodesia, Gwelo. Talk in Afr lang, 0400. (Wood) Under this method, all groups would be given concern." Dan Jamison, Virginia

"I am sure I speak for many members and DXers, especially those whose clubs are in affiliation with ANARC, when I take the time to congratulate Art Glover for his unceasing and dedicated work as Chairman of the heretofore proposed ANARC Ref. Book Committee. Art has shown the qualities all DXers admire, respect and strive for in themselves. The dissolving of the Ref. Book Comm., due to ANARC's failure to agree to or honor the proposed arrangements by which a book that would benefit the all of the hobby (plus aid ANARC financially) is a sad reality now, which means that no Reference Book can be put out at present time. Once again, congratulations and thanks to Mr. Glover for effort and a job well done." Barrie Brown, Quebec

"Frenx is the best in its field, but due to its "bulkiess" and mailing via third-class mode, is many times very slow being delivered. Why not consider reducing number of pages so that all bulletins can be mailed first-class each month?" Ken Shafer, Indiana

Exclusive

THE LOUDENBOOMER REPORT
Fool's Rush In(or)Excursion Into Oblivion, Part 3
by Silas P. Farquart

Exclusive

By noon we had arrived. We beached what was left of the bruised and battered Kon Tiki. Tenderly we took down the beautifully sewn flag with the "United 48er" insignia on it, and began unloading.

By late afternoon we were all set up just off the beach. The equipment was ready to go. Back home the time was early morning. Would loyal friends still be maintaining their vigil at the dials, awaiting some word from their adventurous, passionate pals? We would soon know.

Just as were we ready to fire up and astonish the DX world, terror struck our young brave hearts. Sounds in the bush behind us. We turned to see a number of husky, wild natives pointing very sharp spears at our narrow little chests. They beckoned we go with them. We did!

We marched for an hour in the heat of the mid-day sun. At last we came to a clearing which contained a village. We were marched up to an empty throne and there we stood... waiting.

A few moments later, a white man, dressed in old radio tubes, came out of a hut behind the throne and took his seat. We stood in unbelieving astonishment.

"Good grief, do you know who that is?" exclaimed Tom. "It looks like T.X.Strawberry, but it cant be!"

"So you know me, eh?" cried the figure on the throne. "You'll soon regret it!"

"What are you doing here?" I asked impulsively.

"Never mind what I'm doing here" T.X. replied. "It's not my fault that I'm being hounded by the CIA, the FBI, the NSC, ASCAP, SPCA, to say nothing of the Establishment. They're all mad just because I exposed so many of their capers. Truth will out, I always say. I had to hide for awhile, so I came here and convinced these natives my radio gear was magic. I've been top dog ever since."

T.X. turned to two of his followers; "Umgawa, umgawa undottlegoop" he bellowed (in Nibi-Nibi this meant "lock them up".)

So they did. And here we are, awaiting our fate...the ancient Nibi-Nibi ritual of the Saquawala Fires, which no one has ever survived.

Thus I come to the end of this tale of passion and adventure. Providing someone finds this amazing accountal, our names will go down in the golden pages of DX history (it is already full of amazing accountals). Signed, Silas P. Farquart -30-

...and thus I, Charlie Loudenboomer, perform another superb service to the world of DX. I have related this strange tale of passion and adventure. It is a shame indeed that these fine fellows could not have survived. It might be worth taking another stroll along the beach, just in case. If I find anything I'll be sure to let you know. In the meantime I will be back next month telling of an interview I had with someone way out.

...Charlie Loudenboomer

SOLUTION TO LAST MONTHS DX-WORD PUZZLE, by Michael Silverstein

Across		Down	
1. Tannanarive	28. RAI	2. ATA	19. WINB
7. CRO	29. BFO	3. ATT	23. Cairo
8. Tahiti	30. Berlin	4. RAE	24. Pais
10. Emugu	32. SBC	5. PCJ	27. GBC
12. TransWorld Radio	33. NASWA	6. Monrovia	28. RNE
15. Zurich	34. VOA	8. Tangier	31. Rwanda
18. Liberia	36. UAR	9. Hawaii	34. Voix
20. Iran	39. Madrid	11. UFO	35. ABC
21. ITT	40. IRC	13. DDR	37. Aden
22. AC	41. Schwarzenburg	14. Ascension	38. BBC
25. WIBS		16. UNI	
26. ANARC		17. Altoona	

The ANARC Report

The association of north american radio clubs, a non-profit organ composed of representatives serving from each of the major radio clubs in the hemisphere. This report is prepared and edited by Rep. Doug Benson, Box 131, Laconia N.H. 03246. Art Glover is West Coast Rep., Frank Peters of Chicago handling the chores for Midwest Rep.

The big news this month..indeed the biggest of any month..is the brew and foaming behind the scenes concerning the Wood*Glover taxation or surcharge proposal, whereby each member of each club would be assessed ten cents, said Association dues to be incorporated into a club's yearly dues levy. Okay..the vote split down the middle, 5 clubs against, 5 for..last month. But since then, whamo! ANARC Executive Secretary Dexter, NASWA Representatives Benson and Glover (co-sponsor of the measure) having at it a bit in the interests of clarification of the matter. Rep Benson urged (and urges) the executive secretary excersize his right to decide, via a tie-casting vote, whether the measure passed or not. Dexter answering that the measure had been decided, and that each supporting club (NASWA included) could now support with the taxation monies its affirmative vote, the non-supporters being allowed to ignore the taxations. Rep Glover dove into the middle with an open letter to all Reps on the point of order in the voting, to which Dexter replied with his own open letter to all Reps that there seemed to be misunderstanding on whether the matter was intended to be a proposal (in which a majority decision would decide) or a proposal to enact an amendment to the Constitution, which requires a 2/3rds vote of the representatives. Ralph Irace, teenaged president of CDXC and CDXC Representative, had a few comments to make as one of the leaders of the "anti-taxation" measure, and made them. We have it on good authority that Glover, in the interests of comeradery and the hobby, was planning to withdraw officially the entire proposal, pending the approval of the co-sponsor of the measure. Whether this will occur, we know not. But we are firmly convinced that many errors were made here, on all sides, and at this writing the executive secretary has adopted a wise "breather" policy while things digest within the hobby.

One thing is equally certain; the Association needs money, as its projects are far outranking its abilities to finance them. The Book Committee, for instance, is busily compiling and editing a manuscript for a permanent loose leaf Reference Book, a project...which if turned over to the Association would mean additional income..that will in itself cost thoudnads. To so hamstring the Association and its far-reaching ideas is suicidal, not only to the Association as a permanent body but to the detrement of the entire hobby whose interests ever have been served by that Association. This whole taxation matter etall may well be the deciding factor in determining whether the ANARC cam of itself shake loose the bonds of half-hearted handling of intra-club matters. It is our considered opinion that, if the taxation proposal is allowed to die a quiet death due fears that its inception may split the association, that death itself will signal the end of any useful and cooperative effort between clubs. The Association is now reaching that power wherein its efforts for the good of all may tread on a few toes. That these injured toes should then jump up and trip the Association is surely inconceivable. If the Association is not to trip over these toes at every new step along the path, if these toes are not ready to accept the fact that the good of all clubs is more important than they as individuals, and if the ANARC is to remain for the good of all hobbyists, there MUST be a common meeting ground wherein clubs must be educated to the fact that the association exists for the good of ALL, and that a minority opinion is just that... a minority opinion. This is the trouble that the taxation proposal has found

itself to be making, and this is the trouble that must be overcome now. If we are to declare a "split" in decision with each proposal and fail to exercise a good solid bit of majority rule procedure, we might just as well forget the entire four years of effort. To this end have comments been made, pro and con, and tis for this reason that Executive Secretary Dexter is adopting the breather attitude. We can only hope that his decision will be accepted by all, whatever that decision may be.

The long-quiet Man of The Year committee, once headed up by SWL News editor James Howard, has been reactivated by representatives' 9-2 vote, with one abstention. The Man of The Year is to be selected at the 3rd annual ANARC Convention from a list drawn up by R. Irace.

FIRST INFO on the 3rd annual Convention from Ernie Wesolowski in the Convention City, Omaha. (Sigh. Another site 1800 miles away from me. Mebbe finances will allow my attendance at the fourth one..) Twill be held at the Commodore Motor Inn, at 24th and Dodge Streets, with..get this..a tour of SAC headquarters for conventioners in the works!

You may expect our heavy influx of Convention information, hi, from now through the summer.

Thanks are in from Charlie Milhams, publisher of NESWLC, on ours of two months back pertaining to young Paul Montefusco. Charlie writes that the praises for integrity we heaped on Paul are equalled only by his personal tribute to the lad's club efforts. Nice to know the hobby has such pals all around, Charlie. Toks a mika.

The executive secretary is fishing for a man to take over the Fund-Seeking Committee (and we're right back to the taxation idea on this one), which lack of a chairman is ample evidence of the financial binds the association is in, and must get out of.

Art Glover's Permanent Looseleaf Reference Book Committee, compiling the best of articles on radio from past and present club bulletins, moves along though a bit overshadowed by the taxation proposal squabbles for Art. Writers have been commissioned to do various compiling jobs for the manuscript, all is going well according to Glover, although he reemphasizes the enormity of the task.

Margaret Hinkson, club lass from the West Indies, who heads up the WIDXA, first outside-the-continent club admitted into the association, will be forced to resign her duties with that club soon, due personal commitments notes Executive Secretary Dexter. Miss Hinkson will thus be looking for someone to take over the reins as President of this fine little club.

The Association demonstrates again its usefulness to small clubs, by assisting in the acquisition of a mimeograph machine from the Worldwide TV, FM DX Association by the Intercontinental DX Club, according to the President of that club, Dick Langley. IDXC should thus be back in full operation shortly, if not by the time you read this.

The "new look" herein is due to the acquisition of a new typewriter. We got so many complaints about our centuriad Remington that decided the expenditure had better be made lest we be reduced to handwriting this rpt!

Remember..any and all comments that you'd like brought to the attention of the Association can be easily arranged; send them either to the Report editor on the East Coast, to Frank Peters, 820 West 34th Street, Chicago 60608 or Art Glover, 2318 S. Laurel, Port Angeles, Wash. 98362.

SPECIAL SPECIALFlash addenda to the ANARC Report!

A communique from Arthur Glover, head of the Permanent Loose-Leaf Reference Book Committee, and fellow NASWA Representative, an unprecedented action in the four year history of the ANARC:

Following the controversy over the surcharge proposal and the evident mishmash of opinion within the association and resultant furor and indecision, Glover has withdrawn the committee from Association auspices. For all practical purposes, then, he has officially disbanded the committee and dumped the effort. Art's letter to committee members and to Executive Secretary Dexter follows in an exclusive NASWA Report;

11 March 1968

Mr. Gerry Dexter
Rt. 1, Maple Road
Lake Geneva, Wisc. 53147

Dear Gerry:

It is with sincere regret that we must advise you of the decision to withdraw the Reference Book Committee from ANARC auspices. The Project was conceived with the intention that the Book, and the income therefrom, be endowed to the benefit of the ANARC organization; and that the Committee would arrange financing of the publication and be later reimbursed from the royalties received by ANARC from its sales. It has been made very clear to us now, that even with majority support behind the Project, the ANARC organization could not be depended upon to agree to, or to honor, any such agreements.

With the incentive thus removed, and with the desire to avoid the waste of time effort and money by the many who have so sincerely and unselfishly volunteered these services, we regrettably now terminate the Reference Book Committee.

We wish the record to show the following supporters and volunteers who so ably and willingly assisted the work of the Committee. The Chairman extends his personal thanks to each and every one.

Sincerely,
Art Glover Chairman
ANARC Ref. Book Comm.

Hank Bennett
Doug Benson
Barrie Brown
Bruno Colapietro
F.S. Dombrowski Jr.
Bill Eddings
Larry Godwin
Bruce Goldman
Lorne Jennings
Richard Langley
Mike Macken
Stewart MacKenzie
Chas. McCormick Jr.
Henry Michalenka
Charles Milhams

Gordon Nelson
Serge Neumann
Al Niblack
William Shultz
E.G. Scrimgeour
Ed Shaw
William Sparks
Tom Stoltman
Tom Sundstrom
Jim Vastenoud
Richard Wood
Radio Deutsche Welle
Radio Nederland
ASWLC
CIDXC

ICDXC
IRCA
NASWA
NNRC
WTVFMDXA

SPRING COMPETITION



SPRING COMPETITION

** ** * * * * * ** ** * * *

This contest is open to all members of NASWA. The rules represent an attempt to equate all the various ranges of experience and equipment in the club. Naturally a contest of this type cannot have simple rule structures and make everyone happy, so it may seem the rules are awesome in their complexity.

1. Duration of contest is one week....Beginning May 4, ending May 11.
2. There will be 3 classes of frequency bands; Class I, Class II and Class III
Class I includes bands 3.2-4.0mcs, 4.16-5.1mcs, 5.8-6.3mcs and 7.0-7.4mcs
Class II includes bands 9.4-10.0mcs, 11.7-12.1mcs, 15.0-15.5mcs and 17.6-18.0mcs
Class III includes a combination of the bands
3. For Class I, listening hours will be 1700-0700 local time; Class II listening hours will be 0700-1700 local time; Class III, a combination of I and II.
4. Entries must be designated as one of the three classes.
5. Scoring will be based on raw score (number of countries times number of stations heard) and adjusted score (raw score times multiplier)
Multipliers: Add the number of tubes (including nuvistors) in your receiver to those in any receiving accessories used. Do not count voltage regulators or rectifiers. Multiplier will be obtained from this table:

over 15...1.0	12...1.4	8...1.8	4...3.0
15...1.1	11...1.5	7...1.9	3...3.5
14...1.2	10...1.6	6...2.0	2...4.0
13...1.3	9...1.7	5...2.5	
6. Multi-channel stations can be counted only once, rather than for each channel.
7. Entries must designate which class is being entered and give following data; Names of countries and stations heard, frequency heard, date/time heard(GMT).A list of all equipment used must be given. Entrants must include raw score and adjusted score (which will be double-checked). Fee of 25¢ is required to help pay for prizes and postage. Deadline for entries is May 15.
8. There will be three winners, one for each class. Each will receive transistor radio as prize.
9. Entries and all matters dealing with contest should be sent to NASWA Contest Chairman, George Schnabel, 151 Chesterton Road, Rochester, New York 14626 USA.
10. Decision of Contest Chairman is official/final.

Notes: The concept of having freq classes is to give some leeway to the less experienced listeners as well as to give those with social or other obligations a chance to utilize only certain time blocks without penalty. To further equate the variety of experience and equipment, the reliable tube multiplier system is employed....this is not unique, but is quite effective in giving smaller receivers an equal chance.

Please read rules and abide thereto. Remember times allowed, deadline date and fee required. And send entries to George Schnabel, not Hdqs.

Good luck and good listening. Let's have a nice turn out!



SHORTWAVE BROADCAST CENTER



DONALD N. JENSEN, EDITOR
5204 70th STREET
KENOSHA, WISCONSIN 53140

ANARC CONVENTION - MAKE YOUR PLANS NOW!

It is now April. In just about four months, DXers from throughout North America will be gathering in Omaha, Nebraska for the third annual ANARC convention. As you all should know by now, ANARC stands for the Association of North American Radio Clubs, an organization affiliating all the major radio clubs in the U.S., Canada and the Caribbean. All listeners, SWBC, ham band, BCB, TV-FM or whathave you, are invited to attend.

The convention is slated for August 16 through 18. Many interesting events and possibly some tours are scheduled. Full details will be appearing in the ANARC Report section in the coming months. But begin to make your plans to attend now. These events are always informative and great fun. You'll have a chance to meet some of the persons who you've only known as names in the bulletins. We understand that a number of persons from all four corners of the continent and even from overseas are planning to attend, some for their third year in a row. Why miss out on the fun?

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PROSPECTS FOR DX'ING IN THE US

The future seems rosy for our hobby in this country. There has been quite a rise in the number of DXers in recent years, and especially in the field of DX clubs and interclub cooperation there have been spectacular advances.

The greatest step forward has been the organization and growth of the Association of North American Radio Clubs and the creation of its annual convention. Due to the immense size of our continent, not all DXers can attend, but the conventions of the National Radio Club and the International Radio Club of America in different locations, plus the local meetings of clubs with geographical concentrations of members, do permit every DXer in the U.S. and Canada to attend a get-together at least once a year.

...Excerpted from comments by R. Wood

** ** * ** **

ARTICLES ARE ALWAYS APPRECIATED

It is largely through the efforts of our members that we are able to present the interesting and informative articles that appear in Frændx each month. We always appreciate receiving these, as they make our job much easier.

But again we would remind you that certain types of articles suit our purposes better than others. Station features are always good, but try to "hit" the smaller, lesser known stations. Recently we have received no fewer than four articles on Radio RSA. Others have sent in articles on Radio Denmark, SBC and some of the other bigger operations. Naturally, we can't use them all. Pick out the more obscure broadcasters, write them for data, then send us your article. It will stand a far better chance of being published than will one on twenty or so major shortwave broadcasters, most of which have already been featured in the pages of our bulletins not long ago.

✓ SWEDEN CALLING DX'ERS CELEBRATES ITS TWENTIETH BIRTHDAY

Exactly twenty years ago, Feb. 28, the first broadcast of Sweden calling DX'ers went on the air. It was carried over a 12 kilowatt transmitter located in Motala, central Sweden. Now, in celebrating the 20th anniversary of the DX program, let us take a look at the history of shortwave broadcasting in Sweden.

Many voices had long been raised in Sweden, calling for a shortwave service to speak to listeners abroad. But Radio Sweden, the Radio Service (Radiojanst) as it was called then, always refused, saying that only license-paying listeners inside the country should be served. However, a shortwave service, eventually destined for foreign listeners, was achieved by a backdoor subterfuge. It was pointed out that many listeners in Tornedal, the valley in northern Sweden near the Finnish border, were forced to listen to Radio Moscow, on shortwave, every day, as reception from the south of their own country was unsatisfactory. And so the Motala shortwave transmitter was set up. Soon, however, shortwave broadcasts were directed primarily overseas.

The head of shortwave productions is Bengt Jarrel. He follows the line of presenting both sides of the political and social picture of Sweden, not hesitating to view conditions with a critical eye, where necessary. An example of the liberal policies of Radio Sweden's Foreign Service is the fact that the different foreign language sections do not have native Swedish heads, as at most other stations. Despite comments from some listeners that they can receive international news from other sources, Mr. Jarrel still believes that Radio Sweden should present this, along with national features.

Who are Radio Sweden's listeners? Not the average man on the street in foreign countries, but educated, aware minorities, qualified, often professional people. In addition, the Swedish merchant marine, Swedish emigrants and other Swedes abroad, receive consideration.

Future plans for Radio Sweden are mainly of a technical nature. The two Horby shortwave transmitters are of World War II vintage, and require troublesome

checks on a daily and monthly basis.

A simple frequency change, which at modern stations takes a mere ten seconds, requires fifteen minutes' arduous labor. In theory, these two transmitters should give forty-eight hours' service a day. But due to these technical drawbacks, they can only broadcast 29 hours a day. Their replacement, however, will depend on governmental budget allocations.

.....Richard E. Wood

Adapted from Eter-Aktuellt

THE QUESTION BOX

Each month we present answers from recognized experts in the field to your questions on DXing topics. Send your questions to SWBC Center, 5204 70th St., Kenosha, Wisconsin 53140.

QUESTION: Does a Voice of America QSL, which states that the program verified was transmitted from Tangiers, count as the United States or Morocco, as a country?

ANSWER: Under the NASWA country list, this counts as Tangier (Morocco).

QUESTION: I find that when I am DX hunting I encounter loud, harsh noises that sound like an airplane engine. Can you explain?

ANSWER: You'll hear many wierd noises on the SW bands. Some are caused by high speed radioteletype or facimile circuits. Some by other types of radiation, like doctor's diathermy equipment, etc. Some of these sounds are intentional jamming of broadcast signals. Or you might be hearing TVI, interference caused by a television sweep circuit in close proximity to your receiver.

QUESTION: Popular Science rates rates portable receiver "X" excellent, brand "Y" as good. Consumers Reports rates them in reverse. Who is right?

ANSWER: Even authorities can differ in their opinions. Commercial mags seldom pan an advertisers new product, but non-commercial CR may not consider receiver characteristics which are important to DXers, being aimed at the non-hobby market.

The hobby of shortwave listening is daily becoming more popular in this world of science, possibly due in part to world conditions. Other factors that contribute to the growth of the ranks of listeners are currently our rapid means of transportation and practically instantaneous means of round-the-world communications. Our neighbors these days are not only the families down the street but also the families on the other side of the world. We desire to know more of his culture, his living habits, his way of thinking, the climate he lives in, and his viewpoint. The medium of short-wave listening makes this a possibility right in your own home, in your own easy chair. However, the first step is to obtain the necessary equipment, a suitable receiver, an adequate antenna, and the necessary accessories to go with them. Many of the stronger overseas stations these days can be heard simply by "at random tuning." The stronger voices of the air lanes such as the Voice of America, Radio Moscow, Radio Australia, the Voice of South Africa, Radio Cairo, Radio Peking, and others, pump plenty of RF signal into the ether and they are not doing it uselessly, they can be heard on an elementary type shortwave receiver. If the listener becomes interested enough and it truly becomes a hobby, then, as with other hobbies, he develops the invaluable know-how as he goes along.

RX FOR
RECEIVER
SELECTION

A receiver is the basic piece of equipment. If the listener becomes interested enough, he should purchase the best receiver that he can afford, within reason. One method of reaching this plateau is by beginning with an inexpensive receiver and then trading up until the unit desired is obtained. That brings us to the reason for this article: The fallacy of recommending a particular receiver for SWling.

BY AL NIBLACK

The president of a shortwave club, the various departmental editors, or a standout name, DX-wise, receive letters nearly daily that go something like this:

"I have just become interested in the hobby of shortwave listening and have a small portable receiver. Since I could not receive some of the weaker stations that are mentioned in the club's bulletin, I decided to purchase a better receiver. I obtained a name brand "Superba," a true communications type receiver. Using my portable receiver, I tuned in Taiwan, 17,720. The signal was very weak and readable with difficulty. Then, I removed the antenna from my portable receiver and connected the "Superba." I again tuned in Taiwan, but to my dismay, it was little stronger or more readable on the communications receiver than it was on my portable. It (the "Superba") was not as 'hot' sensitivity-wise as the manufacturer claimed. After a few days of use, I returned the "Superba" receiver while the free home trial guarantee was still valid. Can you assist me in advising the brand name and model number shortwave receiver that will end all my problems?"

Another may write, "I just purchased a brand name communications receiver and after a few weeks use the band switch broke. I paid several hundred dollars for this receiver. How can a reputable manufacturer sell a piece of junk in good faith? Of course, I immediately returned the receiver and received a refund. From now on, believe me, I will stick to my portable."

The above are just examples. It is not the intention of this article to belittle or ridicule the writers of such letters. Rather, our intention is to offer all the aid possible.

THE TRUE PICTURE

Let us take a long hard look at our efforts to buy a satisfactory shortwave receiver. For a veteran listener to offer a concrete suggestion and say, "That is THE receiver to buy!" is nearly like saying, "There is really only one automobile to buy."

Nearly all the major manufacturers build good solid receivers. Some build more good models than do others. And, some particular model numbers are better than

(Continued next page)

RX FOR RECEIVER SELECTION (Continued)

others because the model was better engineered on the drafting board, was put together properly during the manufacturing process, was alligned more carefully, and had more complete and final inspection before releasing for shipment.

Also, like automobiles, different features are built into different receivers. It is up to the purchaser to decide what features are the most valuable to him, and what he is willing to pay. No one receiver fills all the requirements; there is no general panacea for everyone.

The lot of the manufacturer is a hard one. To exist, he must mass produce, market and sell a shortwave receiver that is attractive to the public, not only in performance, but also in physical looks, in quantities. The battle that always exists in manufacturing is the continual one between production and inspection. Production is interested in how many receivers can be produced; final inspection is interested in how many receivers of each day's production run really measure up and can be stamped "ok" in every respect. Not many of us can afford receivers in the \$1,000 to \$1,500 class, where more of the operations of manufacture are hand operations, where more money can be spent on final alignment, and more time on final inspection.

The final inspection has its problems. It is plagued with a daily quota and its members are only human. If an inspector attended a lively party the night before, or has personal problems, some receivers which should have been rejected might slip through. You don't have to be too perceptive to see that many elements go into making your receiver and the possibilities for slip ups are many.

Back to the previous problem of the portable receiver versus the "Superba" communications type receiver. The following factors must be considered in judging performance. A period of three days or a week is not long enough to actually judge a receiver. There are simply too many reception variables that make such a test unreliable. Only the test of time, say six months or a year, will tell you just how good a receiver you really have. This does not mean, however, that you should not carefully check out a receiver after unpacking it. It simply means that the receiver should be checked for mechanical and electronic operation to see if it is operating up to the manufacturer's specifications. To check this, follow the steps outlined in the series of three articles that appeared in Frendx several months ago, "The Three 'S' Features of Receiver Performance," as a guideline. This series is a practical guide, can be used without the expense of "scopes" or other test equipment. If followed, they will help determine if the receiver is a good one operating at maximum performance specs.

If it measures up to the norm as established by the three articles, it will produce DX, rare DX when conditions are right. Obviously, sometimes it takes several months before real DX conditions present themselves.

A new receiver usually receives a flat appraisal.. "What a beauty," "What performance!" Or perhaps, "What a floperoo!" Probably the truth exists somewhere in between these extremes. All manufacturers intend to put the best receiver they can on the market for the money asked. They try to control quality so their products won't come up with a broken band switch after minimum use. To have this happen is simply bad luck and instances like this are rare. But regardless of the care taken, mistakes can happen, parts can fail. Usually, however, the company will correct or replace the defective receiver.

CENTRAL THEME

The point I'm trying to get across in this article is that there is NO perfect receiver, one that suits everybody. There are too many intangibles in the picture and each prospective buyer has his own ideas of what a receiver should be like to measure up to his dreams. Beginners sometimes start with a too complicated receiver. It is a bit like trying to drive a car before you've learned how to ride a bicycle.

The best method, seemingly, is to start with a simple, low-priced receiver, trade upwards after becoming familiar with each one as you go. When you feel you've mastered a receiver, then, and only then, is the time to consider a more complicated, more expensive model. Finally you will arrive at one suitable for real DXing, and most importantly, you'll be ready to get the most out of it. (Continued next page)

RX FOR RECEIVER SELECTION (Conclusion)

If your ultimate receiver does not satisfy after all checks, return it to the manufacturer's service department while the warranty is still valid. You don't have to accept one that is not satisfactory.

No one can give you all the answers about which receiver to select. No one can assure you that the receiver you buy will be THE receiver for you. What you finally obtain in the way of a receiver is strictly up to you.

FALLACY

Many newcomers to the hobby have the idea that if they could just get their hands on a good receiver, their problems would be solved overnight. They expect that signals that were weak and watery on their old inexpensive receiver will come in S9 on a HQ180A, a Drake or an SX100. They feel the only thing standing between them and 100 countries verified is their cheap, simple receiver. They think that stations that have persistently eluded them will now be heard with ease. Nothing could be farther from the truth!!

This seems to be a common misconception among relatively newcomers to the hobby. It is reflected in comments that "I didn't enter the contest because I've got such a poor receiver I knew I couldn't compete against those with better models." The fact of the matter is that an experienced listener, with all the necessary know-how can hear good DX at times on a simple set. The author can think of one DXer a few years ago, living in the heart of Brooklyn, with a constant stream of traffic by his door, who confirmed over 100 countries, including some truly rare ones, with an old allwave Philco receiver. But he had plenty of know-how, skill and patience.

On the other hand, without the skill and experience, a novice listener with the best equipment possible will often fare poorly.

A true communications receiver is made to produce good DX at a no strain level, but all the intangibles must be present at the listening post to permit the receiver to do its best. A momentary side-by-side check usually will be meaningless. But the unsuspecting novice will be disappointed and disillusioned not to discover a vast difference and may soon lose interest in the hobby, never realizing his mistaken notion.

Remember this, for every piece of rare DX you see reported in bulletins, it is a good bet that the reporter spent simply years acquiring the know-how that helped him snare the station. Seldom are there any real "overnight wonders".

If the beginner expects to log 180 countries and verify 150 in short order, he might as well take up some other hobby, such as fishing. He is going to be happier in the piscatorial sport!

If you decide that DXing is the hobby for you, provide yourself with good equipment and learn to use it. There is more being written today than ever before to help a beginning listener. The old timer had to make his own way, the hard way. Most experienced DXers will be glad to help you, but when it comes to selecting your receiver, in the end, this is only a decision that you can make.

NASWA'S DREAM SHACK

For the past several months we've been featuring your suggestions for items in NASWA's Dream Shack, an imaginary setup we might choose if money were no object.

Barry Deal writes, "One thing that all DXers can agree on is comfort. The room should be wood-paneled, with a leather couch and matching recliner chair, a console with the equipment built in. To the left, another console with typewriter and filing cabinets for bulletins, letters, etc. For the inner man, a small refrigerator for midnight snacks. Finally, a television set for the movie fan, waiting for early morning DX."

Another member suggests the massive, expensive Fairchild Camera Corp. console with 16-band receiver tuning 20 kc/s. to 1,000 mc/s. Output is presented visually on scope and graph, as well as by speaker. A picture of this rig is shown on page 74, Mar.-Apr. 1968 Elementary Electronics.

How about sending in your suggestions for equipment for NASWA's Dream Shack?

R Á D I O C L U B E D E M O Ç Â M E D E S

The West African territory of Angola, officially an overseas province of the Republic of Portugal, has a surface area fourteen times greater than that of European Portugal, and covers several climatic zones: tropical rain-forest, desert and plateau.

In southwest Angola, washed by the Atlantic with its cooling Benguela Current, and bounded on the south by Southwest Africa, lies the province of Moçâmedes, with a population of 45,000 and a service area half that of Spain and Portugal combined.

Its capital, also called Moçâmedes, has just over 8,500 people; and from that city, a radio voice, the Rádio Clube de Moçâmedes, transmits, with low power, but good audibility in such countries as Sweden, England, Finland, USA and Hawaii. Using three frequencies, two on shortwave, it is the only station in the province, and the favorite listening of the fishermen, cattlemen, sheep-farmers and marble miners who make up the population of the region.

GARUDA PANTJA SILA

A song which may be heard quite often on broadcasts from Indonesia, is the popular song of encouragement, "Garuda Pantja Sila." An inspirational song, it has a rousing rhythm, and is sung with fervor by a chorus. It might be mistaken for an anthem, except that it is too sprightly.

The word "Garuda" means a large symbolic bird, which can be compared to our eagle. "Pantja Sila" means "five principles" which may be familiar to those who have received one of the Voice of Indonesia's program guides. The five principles serve as a guide to the Indonesian people, and are expressed as: belief in God, nationalism, internationalism, democracy and social justice.

The Garuda is the symbol representing these principles in the song, and serves to remind the Indonesian people of their national purpose, and to work hard to achieve it.

...Del Hirst

LAST OF THE PIRATES

Britain's last two floating pirate stations, Caroline North and South, went off the air without warning Mar. 3, and were towed from their offshore locations by Dutch tugs. Both had been located off the English coast. Caroline South was said to have been towed to Holland; Caroline North was supposedly towed south. The latter report may lend support to a report that a pirate station is to begin broadcasting from Mediterranean waters off the Spanish coast.

The port of Moçâmedes is engaged in international trade, and the wool of the Caracul lamb is shipped to the international market in London; while marble is now shipped to Italy, home of the world's greatest marble sculptors. The coastline is just being opened up to tourism, with the fabulous beaches and the rich marine life the main attractions. Moçâmedes has just put in a bid for the holding of the world championship in harpooning and undersea sport fishing.

Why "Rádio Clube de Moçâmedes"? Why do the Angolan stations often call themselves "clubs"? The answer is simply that they are clubs or voluntary organizations of members and associate members, regularly contributing money and time to establish radio services in vast areas where communications are still poor and no other form of entertainment is available. Entertainment is the keynote, then, and the majority of programming is made up of popular music, with some traditional Fado music. News is received from Lisbon and other overseas stations on a Hammarlund HQ180 receiver. There are 3,500 club members, and additional revenue comes from advertising and from the leading industrial firms in the province, which wish their workers to be entertained.

Current frequencies are 5,015 kc/s., with one kilowatt, the best audible abroad, and 7,230 kc/s., with 750 watts. The 9,515 kc/s. frequency is inactive.

The schedule is 0600 to 0900; 1100 to 1330; and 1630 to 2300 GMT. The station's address is Rádio Clube de Moçâmedes, Caixa Postal 174, Moçâmedes.

Verification is by letter, in Portuguese, from Eurico Pinheiro da Silva, Presidente da Direcção, or by QSL card.

...Richard E. Wood

WHAT CAUSES INTERFERENCES IN SHORTWAVE TRANSMISSIONS?

In order that two cars may pass each other safely, the road must have adequate width. Likewise, the frequencies of any two transmissions must be separated, ideally by at least 10 kc/s., if they are to be beamed simultaneously without causing any interference to each other.

The frequencies for shortwave transmission stipulated by the international agreement range from 6,000 kc/s. to 18,000 kc/s., with 150 channels set at intervals of 10 kc/s. But as you know, the useable frequencies change from season to season, and from hour to hour, and therefore it is difficult to use all these channels at the same time.

The 11,000 kc/s. band, which is now open for the widest use of shortwave transmission, has 27 channels, but at certain periods of the year, a large number of stations stage furious competition for the use of these limited number of channels. To ease this situation, even a little, the International Frequency Registration Board allocates the channels to various stations throughout the world by reducing the frequency difference to 5 kc/s., although interferences are inevitable.

Such being the case, it is natural that shortwave transmissions should be accompanied by interference and it is not too much to say that there exists no such thing as a clear channel (Ed. note: Within the established bands, that is).

If the two transmissions interfering with each other are similar in tone, their clarity is considerably affected and a beating sound is produced because of the frequency difference (heterodyne). However, when one transmission is much stronger than the other, the weaker transmission is "masked" and becomes inaudible. Therefore the listener may feel that the channel is clear.

This is why all countries try hard to increase the power of their transmissions to sneak as many transmissions as possible into their target areas despite the existence of the rigorous international regulations.

...Radio Japan News, via Robert Langevin

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DX'ER DOCKS STUDIO ENGINEER'S PAY

As listed in the Frendx March log report, at 0416 on Jan. 31, 1968, on 4,920 kc/s., I heard Radio Cordac, Bujumbura, Burundi, play the U.S. National Anthem. The idea of the "Star Spangled Banner" emanating from a recently independent African nation which has never been an American possession and never under especially great U.S. influence struck me as distinctly odd, especially as the anthem was used to terminate the Swahili (international) segment of the station's programming and introduce the transmission in Kirundi, the national language.

A reception report was sent, mentioning this oddity. The reply from James E. Morris, director, cleared up the mystery.

"You might be interested to know that the playing of the "Star Spangled Banner" at 0416 on January 31 which was a surprise to you, was also a surprise to us. It was a mistake of the control operator and as a result he was docked 10 cents for this mistake. Such things do happen for it is difficult sometimes for Africans, as well as Americans, to pay attention to details. He was supposed to begin with band number two on the record, instead of number one."

...Richard E. Wood

*** ** *

BRITISH SET CLOCKS ON EUROPEAN TIME

DXers are part of a dwindling number of people who still regularly use GMT. On Feb. 18, people in England, Scotland, Wales and Northern Ireland moved their clocks ahead one hour, to the time used by their neighbors on the Continent. One of the very few clocks in Great Britain showing GMT is the one at the Greenwich Observatory. The time change was dictated by the need of British businesses to keep up with competitors.

HONDURAN MISSIONARY✓ COSTA RICAN MISSIONARY

HRVC, La Voz Evangelica de Honduras, operating on 4,820 kc/s., is sponsored by the Conservative Baptist Home Mission Society of Wheaton, Ill., and the Conservative Baptist Association of Honduras. It also broadcasts on medium wave on 1380 kc/s.

The station covers the capital city of Honduras, Tegucigalpa, the surrounding areas of the country and Central America.

The shortwave antenna system is designed for saturation coverage of Central America, rather than for beaming a signal to distant areas.

The station is licensed by the Honduran government as a cultural station. Its schedule is filled with musical programs, both religious and classical. They also transmit programs of Latin American music, instructions, programs from various embassies, news and religious services.

Though sponsored by a Baptist Mission Society, the aim of the organization is to serve the entire evangelical community of Honduras. They have programs each day in which other ministers present devotional messages.

The organization has been in the Tegucigalpa area for about seven years, though the shortwave transmitter has been in service for a much shorter time. The shortwave transmitter is of 5 kw. power, with 1,000 watts on medium wave. Daily schedule is from 1100 to 0300 GMT.

The Tegucigalpa area has about 125,000 people, with nearly two million in the country. Elsewhere in Central America there are millions more in the potential listening audience.

...Rod Williams

ASSOCIATED PRESS VIGNETTE

(NEW YORK) -- The representative of the smallest member of the United Nations says he doesn't consider size any qualification for membership in the world body. The representative--Abjul Sattar--heads a two-man delegation from the Maldive Islands, in the Indian Ocean. Sattar and his delegation arrived in New York nine weeks after the UN general assembly session opened.

Sattar's tiny country of 100,000 inhabitants must import all of its dietary staple, rice, but he says economic independence is not a prime (continued next column)

TIFC, Faro del Caribe (The Lighthouse of the Caribbean) operates on several shortwave frequencies, 6,037 and 9,645 kc/s.; with two kilowatt transmitters, from San Jose, Costa Rica. TIFC also has a medium wave station on 1075 kc/s. The shortwave transmitters use long wire type transmitting antennas, according to engineer, Jerry Frost.

Travel folders describe Costa Rica as the land of perpetual springtime. It is a lovely country. Its capital, location of TIFC, San Jose, is surrounded by a ring of volcanic mountains, some of which still smoulder and steam. Coffee and bananas are the principal crops. There are over a million people living in the little republic, highly literate by Latin American standards, and traditionally democratic, again by Latin standards.

TIFC points out that Costa Rica is accessible by jet plane service and by the Pan Am highway. They welcome visitors to the station.

The station's address is TIFC, Faro del Caribe, Apartado 2710, San Jose, Costa Rica.

...Rod Williams

MALDIVES (Continued) qualification for UN membership. He says if it were, half of the 122 nations within the UN would not be eligible.

The Maldives have no permanent UN mission--are no longer a member of the British Commonwealth--are off international sea and air routes--and gain their main income from selling dried fish to Ceylon, 400 miles to the northeast.

...AP, KHFM, via Glenn Hauser

COMMENT

Ambassador Sattar may have a point, though one wonders at potentially even smaller nations. Tiny Pitcairn Island will become independent before too long. Pitcairn has less than 100 inhabitants.

The question DXers might ask, however, is how much stock should we put in reports that the Maldives will install a 200 kw. shortwave transmitter before long. Hardly sounds like a practical idea at this stage of their development!

A L-----O-----N-----G LOOK AT TRANSISTORS

In terms of human lives, one of the most revolutionary inventions in this age of communication is the transistor radio. Those plangent little boxes, as large in sound as they are small in size, massaging the minds of ambling adolescents or committing public nuisances on train and bus and crowded beach, are hard to take seriously as a development in the tradition of the printing press. But in much the same way that printing opened up vast new possibilities to 15th century Europe, the transistor is letting in the world to hundreds of millions still isolated from the 20th century by geography, poverty and exploitation.

On the grassy Tanzanian plain a stately Masai herdsman strides behind his scrawny cattle, a lion-killing spear in one hand and a country-music-blaring Japanese transistor in the other. Transistors sway from the long necks of plodding camels deep in the Saudi desert and from the horns of oxen plowing the furrows of Costa Rica. Radios are replacing the storytelling dervishes in the coffeehouses of Turkey and Iran, and they are standard equipment in the tea stalls of Pakistan. Thailand's Klongs echo to transistor music from peddlers' sampans; a visitor to an Ecuadorian minga, in which the Indians come together for communal road building, calculated that at least one tiny transistor radio was sounding its unavoidable message every 20 yards along the two mile road.

Radio has long been the window on the world for isolated areas, but the cheapness and portability of the transistor set has given the medium a new mobility and a new dimension--and a vast measure of influence. For Peru's 12 million inhabitants, there are more than 600 radio stations, and radio reaches the ears of virtually every man, woman and child in the country. In Guatemala, six times as many people listen to radio as read newspapers. Black Africa, which had fewer than 400,000 radios in 1955, has at least six million today. In rice field or fain forest, compound or kraal, the mere possession of a transistor confirms status on its owner--who has perhaps gone hungry to make his down payment, and worked a little harder to keep up the installments. Thus even before a sound emerges from it, the radio has exerted a social force. And once it is turned on, it is left on from morning to night, pouring out fuel for hopes and dreams. The possibilities that exist in this force are enormous. "If it were a question of getting the first road or the first radio into a village," says a Malaysian official, "I would choose radio any time."

The most important factor in radio's power is that it hurdles the literacy barrier. "I cannot read and I cannot write," says a Peruvian mining peon, in some wonder, "but I am learning through my ears." Highly conscious of what can be taught through hearing, a group of Peruvian businessmen, political leaders and educators founded and funded ERPA Escuelas Radiofonicas Populares Americanas, with the aim of making listeners better farmers, better cattlemen and better Peruvians. It sends programs to Indians living 15,000 feet up in the Andes.

Radio has become a major weapon in India's desperate campaigns to reduce the birth rate and increase the food supply. Still woefully short of transistors, the Indians have been experimenting with radio clubs, in which 15 to 20 peasants listen twice a week in groups and carry the words of advice to others.

In Malawi, the most popular song on the radio is a swinging exhortation to cleanliness and health written by Jack Allison, a 23-year old Peace Corps medical assistant from Ft. Myers, Fla. The song's title is "Brush Away the Flies from Your Children's Eyes."

Educational radio is only in the beginning phase in the developing countries. In most of them, commercial broadcasting has taken a strong lead and is in command.

It is the ubiquitous commercial, with its suggestion of the richer, more varied urban life that is widely blamed for one of the negative effects of the radio revolution: the escalation of expectations far beyond the capacity for their fulfillment.

= A far greater capacity for ill effects from the transistor age lies in the demagogic use of radio by political leaders. A significant case in point is Gamal Abdel Nasser. He is virtually a creature of radio, having used it both within Egypt and

(Continued next page)

CLANDESTINE CORNER

INDONESIAN CLANDESTINE OFF THE AIR?



Recently, reports of an Indonesian clandestine station have reached stateside listeners. The station is called Suara Indonesia Bebas, or the Free Voice of Indonesia. According to reports, the station operates on 6,060 kc/s., with the frequency variable, as is common with clandestines. A NASWA reporter recently heard an unidentified station on this frequency around 0930-1000, which may or may not have been Suara Indonesia Bebas.

The station supposedly is an anti-communist one, and is supposedly also anti-Sukarno. It came into being during the Indonesian-Malaysian confrontation and many Indonesians supposed that it was located in Malaysia, particularly since reception was stronger in Sumatra than in Java.

Early in February, in a report datelined Djakarta, but broadcast by the Voice of Malaysia, was reprinted in the Cal-Tex Pacific newsletter, a bulletin issued daily by this oil firm for employes in the Sumatra oil fields, reported Indonesian forces had closed down a secret shortwave station. The raid occurred near Tjiandjur, in West Java. Several persons were said to have been detained in the raid.

An Indonesian source has suggested that this station might well have been Suara Indonesia Bebas.

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Using the address published in Fren dx recently, several members sent reports to the clandestine Viet Cong station, Gia Phong Radio, the Voice of the South Vietnam National Front of Liberation. A few replies have been received, but they have been merely acknowledgement letters, as apparently the press attache in Prague does not have sufficient data available to actually verify reports. However, he has promised further communications once he receives further details from the station itself.

The address, as first reported by member Wendell Craighead, is:

Pham Van Chuong, Press Attache; Du Front National de Liberation du Sud Vietnam en Tchecoslovaquie; Nekazanka 7; Prague, 1, Czechoslovakia.

Replies were received within about two weeks, via airmail. Chuong gives the station's frequencies as being in the "25, 30.5 and 40.5" meter bands. The 30.5 meter nominal frequency has actually been reported as varying from about 10,012 to about 10,072 kc/s. recently. The frequency is well received in the U.S. The other two frequencies, to my knowledge, have not been reported in North America. FBIS lists them as 7,414 and 12,103 kc/s.

+ + + + +

According to an item in the West Indian DX Association recently, a letter to the BBC from the bulletin's feature editor, Ian Patterson, Scotland, brought the following reply to a question about the mysterious Radio Libertad...

"We regret that no information appears to be currently available on this radio station. It appears to be a political clandestine transmitter, and thus this department can offer no information concerning it."

Thus, now the BBC has joined the ranks of those who "NO!"

+ + + + +

According to information provided by C.M. Stanbury II, the clandestine Eskimo station, Inuit Neepingit, at Pond Inlet, Northwest Territories, Canada, has either returned to the air, or will do so shortly. Unfortunately, the station will operate only on medium wave, with Canadian government approval as an experimental outlet.

Authorities apparently closed down the clandestine operation's shortwave transmitter, 100 watts on 3,750 kc/s., for technical deficiencies. But, it is reported, the NWT representative in parliament interceded and as a result, the station was lent a low power BCB transmitter by the CBC.

Apparently then, there is no chance any more to log this station on a shortwave frequency.

NASWA FRENCH

SHORTWAVE CENTER

APRIL '68

E T L F - R A D I O V O I C E O F T H E G O S P E L - E T H I O P I A

Radio Voice of the Gospel, also known by its call letters, ETLF, is owned and operated by the Lutheran World Federation and is affiliated in broadcasting with the Coordinating Committee for Christian Broadcasting, representing the All Africa Conference of Churches, the East Asia Christian Conference, and the Near East Council of Churches.

ETLF has five basic purposes, spreading the gospel by radio, strengthening the life of the Christian churches within the range of its broadcasts, promoting education and culture, assisting the churches in follow-up work, and training radio workers.

The target areas of Radio Voice of the Gospel are Africa, Asia and the Near East. The station serves an area in which approximately one billion people live. This includes at least 30 countries.

The franchise to build and operate a Christian radio station in Addis Ababa, Ethiopia, was granted by the Imperial Ethiopian Government in November 1959. The contract was signed in February 1961, and the station officially opened in February 1963. It is supported by contributions from Christian churches in various parts of the world.

Fourteen area studios sponsored by the churches and missions in their respective areas produce the major portion of all shortwave programming, send the tapes to the station in Addis Ababa, where they are processed and transmitted back to the producing areas. Studios are located in Ceylon, India, Iran, Lebanon, Ethiopia, Tanzania, Malawi, South Africa, Madagascar, Cameroun and Nigeria.

Two simultaneous shortwave services are operated with two 100 kilowatt transmitters. A one kilowatt transmitter serves the immediate Ethiopian area on medium wave. The latter is operated with the Ethiopian Evangelical Church as advisor. It has a five hour daily schedule on the broadcast band in Amharic, English and French.

Shortwave programs are beamed from RVOG in Afrikaans, Amharic, Arabic, English, French, Fulani, Hausa, Hindi, Malagasy, Nyanja, Persian, Sotho, Sinhalese, Swahili, Tamil, Telugu and Zulu. Some 30 per cent of the programs are evangelistic, 70 per cent educational. RVOG broadcasts 23 hours daily, with 18 of these on shortwave. World newscasts are broadcast 14 times daily in Amharic, English, French and Swahili.

The staff of ETLF is international. Ten countries are represented in the Addis Ababa operation alone. About 160-170 are employed at the station in Ethiopia, with at least 150 in the various area studios.

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THE MORMON CHURCH AND WNYW

The Mormon Church owns station WNYW, and Arch Madsen, president of Bonneville International Corporation, noted that to American listeners, shortwave radio is merely a hobby, but for the rest of the world it is a lifeline. WNYW operates 56 hours a day in English, 24 hours in Spanish, with plans calling for broadcasts in Portuguese, French and German. Madsen said that one of the conditions to WNYW's licensing is that the station represents and reflects the culture and principles of America. Although, he notes, 95 per cent of programming is not church material, WNYW broadcasts 15 programs weekly in each language; English and Spanish, devoted to religious news. The FCC has given authorization for a power increase.

How about WNYW's listenership? In answer to a request for responsive information, Madsen said, one broadcast brought in more than 900 listeners letters, from 37 states; 61 countries and eight ships at sea. Surveys show, he adds, that international listeners are a younger audience, predominantly college-educated.

...From "Era" Magazine
Via Douglas Benson

RADIO MAYKOP BROADCASTS TO THE MIDEAST

Since the end of the June 1967 war between Israel and the Arab nations, a new station has begun broadcasting from the Soviet Union to the Middle East. This station is located at Maykop in the Caucasus Mountains.

This region forms the Circassian Autonomous Republic of the RSFSR and is located on the eastern side of the Black Sea.

Radio Maykop broadcasts 14 hours a day to Turkey, Lebanon, Jordan, Israel, Iraq and Syria, and is operated by the Circassian National Repatriation Committee, which is, in turn, sponsored by the Soviet embassy in Damascus.

There are 500,000 Circassians living in the Soviet region and another 250,000 living in the Middle East, distributed among the six countries enumerated above. The majority of these are located in Turkey. The aim of Radio Maykop is to induce these 250,000 Circassians in the Mid-East to return to their homeland. This will, in all probability, not be an easy task, as the Circassians are bitter enemies of the Russians.

No one knows for sure who the Circassians are, but theories run the gamut of the descendants of one of the ten lost Jewish tribes who fled Babylon about 2,500 years ago, to descendants of Viking warriors who ruled Russia 1,200 years ago. At any rate, the Circassians settled in the Caucasus and their history was one of warfare--they were involved in the Ottoman Empire wars, the Russo-Circassian War in the 19th Century and various revolts against the Czars and Soviets.

A Circassian autonomous republic was established in 1936, only to be disbanded in 1943, when the Circassians were accused of collaboration with the Nazis. The entire Circassian nation disappeared; 300,000 were deported to Central Asia and 200,000 escaped to the Middle East. In 1962, the Circassian ASSR was reestablished and Radio Maykop represents a serious effort to woo back the Circassian expatriots.

Circassians are the most fanatical Moslems on earth and are known for their legendary courage and ferocity. Today, Circassians in the Mid-East form the hard core of the Kar and Ardahan Divisions of the Turkish Army and the Syrian Commandos;

(Continued next column)

STATIC ON "RADIO ROW"

"Radio Row," New York's Courtland Street, where more than 50 stores once handled all sorts of communication equipment, has been wiped out by the construction of the 110-story World Trade Center on the lower West side. This district was considered the East Coast center for ham radio and hi-fi addicts.

The stores are now scattered, with a dozen of them located near Fulton and Nassau Streets.

...AP, via Rod Williams

RADIO BEEPS FROM SPACE COULD MARK CONTACTS FROM OTHER CIVILIZATIONS

American radio astronomers recently recorded signals from beyond the earth that they and their British colleagues believe could be from other civilizations. The astronomers, however, are unwilling to give the idea prominence until all possibilities of a natural origin are eliminated. Actually, some radio astronomers feel the natural explanations are most likely.

The signals were received by Cornell University scientists at Arecibo, Puerto Rico, where a giant antenna fills an entire bowl-shaped valley.

The signals occur at intervals of 1.337 seconds with a regularity far greater than that of WWV. The intensity of the pulses are highly variable over a period of one minute. The emissions then disappear for three or four minutes and then reappear for another minute of variable intensity.

The Arecibo observations have shown that a frequency of 111 megacycles the pulses are at peak power. They are inaudible at the bottom end of their frequency range, 40 mc/s., and weak at 200 mc/s., at the top end.

...N.Y. Times via Rod Williams

RADIO MAYKOP (Continued)

they form the entire bodyguard of Jordan's King Hussein and they serve in the Israeli elite Green Beret Border force.

It is not known at this time whether or not Radio Maykop broadcasts on short or medium wave, though the geography involved suggests a shortwave station. (B. Churchill)

RADIO HANOI BOMBED

U.S. warplanes for the first time in the war attacked the Hanoi radio station that beams out all communist propaganda from North Vietnam, the U.S. Command announced February 22. But monitors indicated that Radio Hanoi's shortwave service remained on the air. The strike against the station came the previous day. The station has the most powerful transmitter in Southeast Asia, according to military spokesmen.

The attack on the Hanoi radio station apparently was intended as a blow against communist propaganda claims of great victories in the South and of shooting down more than 2,000 U.S. planes in the three-year bombing campaign against the North. The U.S. Command has accused the station of gross exaggeration and distortion.

The station apparently had heretofore been on the Pentagon's list of targets out of bounds to U.S. pilots.

The station is three and a half miles westsouthwest of the center of Hanoi. A military spokesman said the station was a 100 by 100 foot concrete building protected by a concrete blast wall. The bomb strikes were made by radar because of a 3,000 foot overcast and because of this, pilots said they could make no assessment of damage.

Monitors in Saigon said that Radio Hanoi was still coming in "loud and clear" on all shortwave frequencies. However, other sources said the U.S. Marine A6 Intruders could have hit the medium wave transmitters that broadcast inside North Vietnam.

"It is a highly diversified operation," said one source. "The installation three and a half miles southwest of Hanoi is the main installation...but there is more than one transmitter site."

...Associated Press, via Rod Williams

GOVERNMENT PUBLICATIONS AVAILABLE

The following publications are available from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

BROADCASTING STATIONS OF THE WORLD, published June 1, 1967, the well known FBIS lists, compiled by an agency of the C.I.A.

- | | | |
|------------------|--|--|
| 65B/S | Part I, Amplitude Modulation Broadcasting Stations According to Country and City, includes World Time Chart, 425 pages | |
| | Code Number - PrEx 7.9:967/pt. 1 | \$2.25 |
| 66B/S | Part II, Amplitude Modulation Broadcasting Stations According to Frequency. 424 pages | Code Number - PrEx 7.9:967/pt. 2...\$2.25 |
| 67B/S | Part III, Frequency Modulation Broadcasting Stations 318 pages | Code Number - PrEx 7.9:967/pt. 3\$1.50 |
| 68B/S | Part IV, Television Stations 485 pages | Code Number - PrEx 7.9:967/pt. 4\$2.50 |
| QUARTERLY | RADIO NOISE DATA, 16B/S, June, July, August 1966. 40 pages | Code Number - C52.15:IER 18-ITSA 18-31\$0.30 |
| SCALED-MODEL, | EXPERIMENTAL VERIFICATION OF COMPUTED PERFORMANCE OF A SINGLE RHOMBIC ANTENNA AND AN ARRAY OF TWO RHOMBIC ANTENNAS, 24B/S, 88 pages. | Code Number - C52.15:IER 52-ITSA 50\$0.50 |
| GRAM-CHARLIER | SERIES DISTRIBUTION FOR IONOSPHERIC F2 LAYER CHARACTERISTICS, 23B/S, 40 pages. | Code Number - C52.15:IER 50-ITSA 49\$0.30 |
| SIGNAL AMPLITUDE | DISTRIBUTION FOR STATIONARY RADIO MULTIPATH CONDITIONS, 21B/S, 82 pages. | Code Number - C 52.15:IER 44-ITSA 44 ...\$0.50 |
| A COMPARISON OF | SUDDEN IONOSPHERIC FREQUENCY DEVIATIONS WITH SOLAR X-RAY AND CENTIMETER-WAVE EMISSION DURING OCTOBER 1963, 20B/S, 38 pages. | Code Number - C 52.15:IER 43-ITSA-43\$0.30 |

...Rod Williams



NEWSROOM

DAN HENDERSON, EDITOR
8814 HUNTING LANE, APT.103
LAUREL, MARYLAND 20810

Deadline 15th of Month

Paris sends the current schedules of the following ORTF stations:

1. Comores Islands: Monday-Saturday: 0330-0500; 1900-2100; Sunday: 0530-1115, 1430-1900; Friday and Sat: 1530-2100; Monday-Thursday: 1530-1900. Frequencies are 3331 and 7260 kcs.

2. Afar & Issa: Monday-Saturday: 0300-0415, 0900-1145; Daily: 1445-2000; Sunday: 0400-1145. Frequencies are 4780 kcs.

3. Reunion: Monday-Saturday: 0230-1830; Sunday: 0300-1830. Frequencies are 2446, 3210, 4807, and 7245 kcs.

4. New Caledonia: Monday-Saturday: 1900-2100, 2330-0130; Daily: 0600-1100; Sunday: 2000-0200. Frequencies are 7170 and 3355 kcs. (Direct from ORTF, Paris).

Radio Zambia sends the following transmission schedule: In the Home Service: 0330-0615 on 4911 and 3295 kcs, 0615-0630 on 4911 kcs, 0630-0700 on 7220 and 4911 kcs, 0700-1445 on 9505 and 7220 kcs, 1500-2200 on 4911 and 3295 kcs.

In the General Service from 0330-0645 on 4965 and 3346 kcs, 0645-0700 on 4965 kcs, 0700-1430 on 9580 and 7240 kcs, 1430-1445 on 4965 kcs, and 1445-2200 on 4965 and 3346 kcs. (Radio Zambia direct from the station)

Radio Comercial de Angola, Sa da Bandeira, nominally on 7150 kcs at its 0600 sign-on, is in fact drifting to 7149, and may therefore be separated from BBC-7150 kc, at that time. (Richard Wood, Hawaii).

Richard Wood also reports that the current frequency for Radio Clube do Huambo, Nova Lisboa, at 0500 s/on is 7163 kcs, noted at good strength.

Radio Ceylon sends the following schedule, valid until June: In the Overseas Service: 0700-0800 on 17815 kcs to Europe, and 1100-1200 on 17830 kcs to SouthEast Asia.

In the Commercial Service: From 0130-0330 (Weekdays) on 9675 kcs, On Sundays from 0130-0500 on 9720 kcs, with 1230-1700 transmission on 15230 kcs (Sunday on 7190 kcs). (Radio Ceylon via Bill Graham, New York).

All India Radio, Madras, India, sends the following current schedule of its transmissions on the 100 kw transmitter:

From 1130-1230 on 15335 kcs; from 0830-1100 on 9750 kcs; from 0445-0700 on 9510 kcs, from 0130-0400 on 7260 kcs, and from 1300-1710 on 6085 kcs. (AIR, Madras, via Frank Peters, Illinois).

Radio Bucharest, Roumania, sends the following schedule of its North American Service: From 0130-0230 on 15250, 11940, 11810, 9590, and 9510 kcs; From 0300-0330 on 15250, 11940, 9590, 9570, and 9510 kcs; From 0430-0500 on 15250, 11940, 11810, 9590, 9570, and 9510 kcs.

For Europe from 1300-1330 on 17850 and 15250 kcs; from 1930-2030 on 15250 and 11940 kcs; from 2230-2300 on 11940 and 9590 kcs. (Radio Bucharest, direct from station).

Richard Wood reports that the current frequency of the Voice of the Chinese Air Force, Taipei, is 6103 kcs, where it was noted at 1500. This frequency is intended only for the Chinese mainland. (Richard Wood, Hawaii).

HRN has been heard on a frequency of 5880 kcs with a late sign-off time of 0500. (Richard Wood).

William Matthews reports that Leningrad, RSFSR, USSR, is heard each morning around 1200-1500 on 11630 kcs, relaying Moscow. He also notes that WRTH '68 does not list it here. (William Matthews, Pennsylvania).

Radio Finland reports the following current schedule, valid until May 5th:

To Europe from 0400-2200 on 6120 kcs, from 0600-0630 on 9550 kcs (week days), and 11805 kcs on Sundays, from 1000-1110 on 9550, 11805, and 15185 kcs--All the above in Finnish and Swedish.

From 1215-1515 on 15185 kcs to North America (Finnish and Swedish), and from 2300-0000 on 15155 kcs in English and Finnish. (Radio Finland, direct from the station and from Mike Macken, Massachusetts.)

The Liberation Radio-The Voice of the National Liberation Front of South Vietnam, is being heard on 10030 kcs (variable), and is scheduled in English every Saturday at 1315-1330. (William Matthews).

John Beggs reports that within the past month, Radio Hanoi's transmitters have been bombed during air strikes by U.S. planes. Although the planes used radar to bomb in bad weather, the station was heard after the attack was over. It is believed that Radio Hanoi does indeed have more than one transmitting location in and around Hanoi. (John Beggs, Canada, and Editor).

Radio Republik Indonesia reports the following current schedule: From 2330-0000 on 9585 and 6105 kcs to Malaysia and Singapore, from 0900-0930 on 11770 kcs, from 1100-1200 on 9585, and 6105 kcs to Australia and New Zealand, from 1430-1530 on the same frequencies to SE Asia, Japan, Pakistan, and WCNA, and from 1900-2000 on 11715 and 9585 kcs to UK, Europe, and New Zealand. (RRI via Bill Graham, New York).

A recent letter from the Manager of Radio Ulan Bator indicates that Ulan Bator will soon be expanding

their schedule a great deal. The manager reports that they will add French and also maybe German to the plans for future schedules. In addition, the English language portion of their transmissions will be greatly increased. (William Matthews).

Information received from RIAS, Berlin states that two separate transmitter sites are still in use, at different times, on 6005 kcs. During local daylight, Munich, 100 kw, is used, while a transmitter in West Berlin continues to operate during the darkness, with 20 kw. (Richard Wood).

Radio Japan reports the following schedule changes, effective until 5 May:

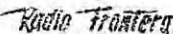
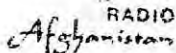
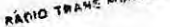
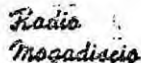
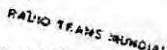
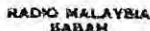
Transmissions for North and Latin America will be from 0130-0330, To Australia and N. Zealand from 0930-1030, To SouthEast Asia from 0945-1115 and 1045-1215. The languages used are now as follows: NA: Japanese, English, and Spanish; SEAsia: Chinese, Fukienese, and Vietnamese, English, and Indonesian. (Radio Japan).

Barry Deal reports the following schedule from Radio New Zealand is now valid: To the Pacific: 0600-0845 on 9520 and 11780 kcs; To Australia from 0900-1145 on 9520 and 11705 kcs; To Antarctic on Sundays only from 0815-0845 on 9520 kcs. (Barry Deal, Nebraska via Radio New Zealand).

Radio Afghanistan sends the following schedule of their external service: To Europe from 1200-1300 on 21585 and 15435 kcs; from 1730-1830 on 15265 and 11775 kcs in German and English. (Radio Afghanistan, via William Matthews, Pennsylvania).

Well, that's about all for this month, gang. I'd like to welcome all new members to NASWA and to invite them to contribute to NewsRoom whenever a schedule or news item comes to their attention. Any/all items are considered, and are generally used, when space permits. Until next month, keep those reports coming!!

Dan Henderson



QSL REPORT

GREGG A. CALKIN, EDITOR
174 WATERLOO STREET
SAINT JOHN, N.B., CANADA

Deadline 15th of Month

NEW QSL's

Jim Robertson, the English programme Director of HCJB (Quito, Ecuador) informs us of some new QSLs currently being issued by HCJB. During 1968 HCJB is offering six new QSL cards in its "Project Outreach" series - a new card every two months. These will tell the story of their current power increase in this order:

January-February	Hydroelectric Plant	July-August	enlarged xmtr bldg.
March-April	New Antenna Arrays	September-October	Arrival of new xmtr
May-June	50 kilowatt Transmitters	November-December	RCA 100 kW Xmtr.

To get any of these QSL cards (current or back-issue), send a separately post-marked report for each card and specify which card you desire. Also, HCJB now has two types of QSL cards, one which gives very general confirmation and another which includes the details of your reception report (i.e. date, time and frequency). The latter type is sent when you request a detailed confirmation only.

Radio Nederland is also now sending out the second card in their current series. Recently received by Mr. John Beggs, NASWA member the card is an aerial view of the Radio Nederland building/studios in Hilversum. Beneath the photo is a detailed description of the studios. Remember to include the date, time, frequency (accurate to 5 kc/s) and details of reception in your report.

Radio Canada is now sending a new card as well. Black, White and Yellow in color, the card features a global view of Canada with a sextant in yellow pointing on Sackville. Radio Canada's transmitter site. This new design is the second prize winner of their 1967 QSL Design Competition. Most attractive!

And finally, Radio Bucharest is now offering two new QSL cards. They are reproductions of two of the best works sent in by noted graphic artists in the QSL card competition launched by Radio Bucharest. The two cards feature the smiles of a pretty peasant girl on one card and a stylized picture of one of Bucharest's architectural monuments, that of the Romanian Athenaeum on the other. According to the station, there is also a set of 6 photographic QSLs currently being offered. When writing your reports, just put "G" or "P" for the graphic or photographic cards.

NOTES

Some members are sending in Scoreboard totals which are smaller than that previously reported. Some of these are due to a previous miscalculation, but others are the result of careless counting. Be careful when you total your countries heard and verified, so as to assure yourself the correct place on the Scoreboard.

New members are invited to send in their totals too for inclusion in the bi-monthly listing. Name, n° of countries heard and verified (as per NASWA country list), the name of your best/most prized QSL and its frequency. Scoreboard increases each month, and I look forward to seeing your name there next time, if it is not now.

SCOREBOARD

No.	Reporter	SCOREBOARD		Prized QSL/Freq.
		HIC	VIC	
1.	Don Jensen, Wisconsin	196	190	Falkland Islands Being See; 3958 kc/s
2.	Frank Peters, Illinois	190	185	Radio Port Vila, New Hebrides, 3905 kc
3.	Bob J. Fadula, Australia	189	184	Lusaka, Zambia, 2355 kc/s, 2.5 kW
4.	Jan Tuner, Sweden	184	154	Chalkis, Greece
5.	Bob Hill, Maryland	179	6	CR4AA, Cape Verde Islands, 7398 kc/s
6.	Gerry L. Dexter, Wisconsin	178	173	Radio Cook Islands, Rarotonga, 5045 kc
7.	Roger Legge, Virginia	176	163	ZMB6, Western Samoa
8.	William G. Graham, New York	174	165	Radio Nepal, Kathmandu, 7105 kc/s
9.	Bill S. Sparks, California	173	166	Emissora de Radiodif. de Timor, 3268
10.	Wendel Craighead, Kansas	168	151	BBC West African Relay, Monrovia, 9555
11.	Dan Henderson, Maryland	166	144	ZBW3, Radio Hong Kong, 3940 kc/s
12.	Marlin A. Field, Michigan	163	141	Mt. Nyeri Regional, Kenya, 6170 kc/s
13.	H.L. Chadbourne, California	161	144	O.R.T.F., Réunion, 4807 kc/s
14.	Gregg A. Calkin, New Brunswick	154	134	ZK5, Radio Cook Islands, Rarotonga, 5045
15.	Warren L. Nordgren, Illinois	153	129	Grønlands Radio, Godthåb, 5980 kc/s
16.	Edward C. Shaw, California	146	106	Radio Tarawa, Gilbert/Ellice Is, 4912.5
17.	Serge C.F. Neumann, Texas	145	136	Radio Fort-Lamy, Tchad, 4904 kc/s
18.	Victor C. Jaar, Quebec	145	3	AVROS, Paramaribo, Surinam, 15465 kc
19.	René Chicoine, P. Q.	140	125	Radio Nouméa, New Caledonia, 7170 kc/s
20.	Bert Brummel, Holland	136	79	Radio Kinshasa, D.R. of the Congo 9775
21.	Bill Flynn, California	---	135	Radio Puckapunyal, Australia, 7850 kc
22.	Fred K. Baines, Nova Scotia	135	132	Radio France Asie, Saigon, 9524 kc/s
23.	Bruce W. Churchill, California	135	109	Radio Nepal, Kathmandu, 4,600 kc/s
24.	Art E. Glover, Washington	133	113	Grønlands Radio, Godthåb, Greenland
25.	William A. Matthews, Penna.	131	112	Radio Peyk-E-Iran, Clandestine, 11695
26.	Richard Fistek, Illinois	129	101	W.N.B.S., Ibadan, Nigeria, 6185 kc/s
27.	Ray Fansler, Illinois	127	84	Radio Rwanda, Kigali, Rwanda, 6055 kc
28.	William Via, Maryland	126	102	S.I.B.S., Solomon Islands, 3995 kc/s
29.	Del Hirst, Texas	126	86	VRH10, Suva, Fiji Islands, 9715 kc/s
30.	Don W. Billingsley, California	125	94	Radio Tarawa, Gilbert/Ellice Is., 4912.5
31.	Bruno Colapietro, New York	120	103	O.R.T.F., Réunion Island, 2246 kc/s
31.	Bill Addings, Pennsylvania	120	103	DZB2, Philippines, 3345 kc/s
33.	Danny Douglas, Virginia	119	79	Male Cineco Radio, Maldive Islands
34.	Roger A. Camire, New Hampshire	112	96	Radio des Valées, Andorra, 6305 kc/s
35.	Robert R. Getman, Wisconsin	111	83	Radio Rabaul, New Britain, 3385 kc/s
36.	Glenn Hauser, Oklahoma	111	56	Radio Tahiti, Papeeté, 6135 kc/s
37.	Gary Mickle, California	109	87	Radio Mauritania, Nouakchott, 4855 kc
38.	Mike Kamp, Texas	108	98	Malawi Being Corp., Blantyre, 3380 kc/s
39.	Sheldon Chorney, New York	108	81	Radio Tahiti, Papeeté, 11825 kc/s
40.	Mike Finigan, North Carolina	108	79	Radio Nouméa, New Caledonia, 7170 kc/s
41.	Richard D'Angelo, New York	108	60	Radio Afghanistan, Kabul, 15265 kc/s
42.	Alex T. Frimm, Missouri	106	77	Radio Zambia, Lusaka, 3346 kc/s
43.	Bob Hagerman, Michigan	106	70	Rhodesia Being Corp., 3306 kc/s
44.	César Objio, Dominican Republic	104	24	Voice of The West, Lisbon, Portugal
45.	John L. Sgrulletta, New York	99	90	VSI35, Turks and Caicos Is., 8,000 kc
46.	Elias P. Coulouras, Mass	98	79	Radio Tahiti, Papeeté, Tahiti, 6135 kc
47.	Rick Charnes, New Jersey	98	68	Radio Pakistan, 9915 kc/s
48.	Mike White, Michigan	98	30	BCC, Voice of Free China, Taipei, 17720
49.	Jim J. Howard, Missouri	95	75	O.R.T.F., Réunion, 3380 kc/s, 1.5 kW
50.	Mike Macken, Massachusetts	91	38	VOA, Poro, Philippines, 11730 kc/s
51.	Art A. Foulis, Massachusetts	89	65	Radio Tahiti, Papeeté, 11825 kc/s
52.	Danny Jamison, Virginia	89	39	Vlk3, Port Moresby, Papua, 3925 kc/s
53.	Ralph Ferry, Illinois	88	65	Radio Kabula, Afghanistan, 15265 kc/s

54. Jerry L. Green, Virginia	87	74 Radio Yaoundé, Cameroun Rep., 4982.5
55. Andrew Pappas, Illinois	82	67 XEWW, México, 9515 kc/s
56. Charles Artiss, Michigan	81	70 Radio Guarani, Brazil, 6175 kc/s
56. John Zaharek, Connecticut	81	70 VLX9, Perth, Australia, 9610 kc/s
57. Keith kwiecien, Nevada	80	79 Radio Australia, Melbourne, Australia
58. Ronald Engelbrecht, Missouri	80	65 Hanoi, North Viet-Nam, 15044 kc/s
59. Stanley F. Cabral, California	79	26 Radio Cook Islands, Rarotonga, 5045 kc
60. Bruce Reynolds, Missouri	76	61 Radio Tashkent, Uzbek S.S.R., 9,600 kc
61. Robert H. Bedwell, California	76	47 Suva, Fiji Islands, 3280 kc/s
62. Norman A. Jacobson, Wisconsin	74	61 Radio Tahiti, Papeeté, 11825 kc/s
63. Steve kamp, Texas	74	54 Radio Tahiti, Pappeté, 6135 kc/s
64. Clarke Thacher, Indiana	74	50 VLT4, Port Moresby, Papua, 4890 kc/s
65. John L. Osborne, Ontario	73	58 Radio Baghdad, Iraq, 6095 kc/s
66. Thomas D. Walsh, Massachusetts	73	22 Voice of Free Korea, Seoul, 15430 kc/s
67. Stanley C. Mayo, Maine	70	66 Radio Rabaul, New Guinea, 3385 kc/s
68. John Mraz, Pennsylvania	70	55 VLT4, Port Moresby, Papua, 4890 kc/s
69. Steven Conen, Connecticut	70	39 W.N.B.S., Ibadan, Nigeria, 3204 kc/s
70. Don Precosky, Ontario	69	51 Radio Sénégal, Dakar, 7210 kc/s
71. Michael Larkins, New Jersey	69	49 All India Radio, 15375 kc/s
72. Barry Deal; Nebraska	69	48 Cairo, U.A.R., 17690 kc/s
73. Michael Silverstein, New York	68	44 BBC, Ascension Island Relay
74. Charles Rasin, New Jersey	67	64 VOFC, Taipei, Taiwan, 15125 kc/s
75. Andrew F. Rugg, P. Q.	67	60 VLX9, Perth, Australia, 9610 kc/s
76. Harry Smith, Ohio	67	56 VLT4, Port Moresby, Papua, 4890 kc/s
77. Dan Trigilio, Connecticut	66	6 Austrian SW Sce., Vienna, 9775 kc/s
78. Bruce Ted Goldman, New York	65	49 TGNA, Guatemala City, 5955 kc/s
79. Alan I. Raylesberg, New York	65	45 Radio Togo, Lomé, Togo, 5047 kc/s
80. Paul Coleman, Texas	65	26 Brussels, Belgium, 9615 kc/s
81. Walt B. Fair, Texas	65	27 Radio Quito, Ecuador, 4923 kc/s
82. Jerry M. Stuart, Oklahoma	64	55 Radio Tahiti, Papeeté, 11825 kc/s
83. Marty Kane, New Jersey	63	39 Radio Yerevan, Armenian SSR, 17880 kc/s
84. Jim Thornton, California	62	58 Radio Cultura, Guatemala, 5955 kc/s
85. Don Herbert, Pennsylvania	62	37 Radio Australia, Melbourne, 16820
86. D.J. Weber, Ohio	61	54 Springbok Radio, Paradys, 6150 kc/s
87. Bob Citronberg, New York	61	48 Radio Lomé, Togo, 5047 kc/s
88. Alan Jeeves, Pennsylvania	61	18 Radio Clube do Lobito, Angola, 7175 kc
89. Ed. J. Pyatt, South Carolina	60	50 VLX9, Perth, Australia, 9610 kc/s
90. Doug Edmonds, Iowa	60	38 VLT4, Port Moresby, Papua, 4890 kc/s
91. Bob W. Kirkpatrick, British Col.	59	54 TAU, Ankara, Turkey, 15160 kc/s
92. Gary Wallin, Iowa	59	33 O.R.T.F., Brazzaville, Congo., 15190 kc
93. Louis Janicek, New Jersey	58	50 Radio Pakistan, Karachi, 15090 kc/s
94. Dave Carlson, Missouri	58	49 ELWA, Monrovia, Liberia,
95. David J. Askine, West Virginia	57	38 Ghana Broadcasting Co., Accra, 9545 kc
96. David H. Baltimore, Pennsylvania	56	35 O.R.T.F., Brazzaville, Congo, 15190 kc
97. Douglas H. Wise, Ohio	55	40 VLX15, Perth, Australia
98. Michael Baker, Maryland	53	36 VLX9, Perth, Australia, 9610 kc/s
99. Clifford C. Duncan, Saskatshewan	52	46 Radio Budapest, Hungary, 11910 kc/s
100. Bert Adams, Ontario	52	43 Radio Clube de Moçambique, 3265 kc/s
101. Geoff Oates, British Colombia	52	41 VLT4, Port Moresby, Papua, 4890 kc/s
101. Allen Abel, New York	52	41 Radio Santa Fé, Colombia, 4965 kc/s
103. Bruce Cuthbertson, Ohio	52	16 Radio Luzkadi, Clandestine, 15080 kc/s
104. Charles Gaharan, Louisiana	51	40 Radio Voice of Turkey, Ankara, 15160 kc
105. Richard kessler, Massachusetts	51	38 VOA, Poro, Philippines, 15060 kc/s
106. Mrs. Dennis C. Ehn, Massachusetts	49	45 Radio Sénégal, Dakar, 4890 kc/s
107. Henry J. Michalenka, R.I.	49	32 BBC, Cyprus Relay, 7140 kc/s
108. Charles Rizzo, New Jersey	49	18 BBC Far Eastern Relay, Malaysia, 11725

NASWA-FRENDX

SHORTWAVE CENTRE

AFRIL 1968

109. Mark Mitchell, Michigan	48	40 Kol Yisrael, Jerusalem, 9009 kc/s
110. Anthony A. Jinkinson, Ontario	48	38 Radio Portugal, Lisbon, 6025 kc/s
111. Gordon Schiff, Illinois	47	25 ELWA, Monrovia, Liberia, 15155 kc/s
112. Lou M. Kurdziel, New York	47	22 Radio Nederland, Hilversum, 15425 kc/s
113. Thomas Daly, New York	46	24 Radio Ghana, Accra, 6110 kc/s
114. Rudolph Menna, Pennsylvania	45	21 Radio Ghana, Accra, 11850 kc/s
115. William G. Caldwell, California	44	41 Radiodiffusion-Télévision Malgache 9640
115. Trev Burke, British Columbia	44	41 Radio Portugal, Lisbon, 9635 kc/s
117. Bob Zobot, North Carolina	44	33 YVMQ, Barquismeto, Venezuela
118. Bruce Klemens, New Jersey	43	36 VLX9, Perth, Australia, 9610 kc/s
119. J. R. Mappin, Washington	43	20 VE9CS, Vancouver, B.C., 2½ watts, 6070
120. Ken Sedlacek, Nebraska	42	17 Radio Ghana, Accra, 6110 kc/s
121. Michael Chezosky, Pennsylvania	42	12 Cairo, U.A.R., 9475 kc/s
122. Steven R. Russell, Maryland	--	41 Radio Malgasy, Tananarive, 15270 kc/s
123. Tom Miller, Missouri	41	39 Voice of Free China, Taiwan, 17720 kc/s
124. Steve Wood, Indiana	41	14 LTLF, Addis Ababa, Ethiopia, 11920 kc/s
125. James Pollak, Connecticut	40	35 Radio Japan, Tokyo, Japan, 15135 kc/s
126. Bob Chaffee II, Pennsylvania	40	10 Radio Américas, Swan Island, 6,000 kc/s
127. Donald Anthony, Connecticut	39	15 Radio Japan, NHK, 15135 kc/s
128. Dave Dominey, Oklahoma	38	29 W.I.B.S., Grenada, W.I.
129. Scott Mceller, Pennsylvania	38	18 I.C.R.C., Geneva, Switzerland, 7210 kc
130. Greg Barman, Illinois	38	7 Radio Norway, Oslo, Norway, 21730 kc/s
131. Audie Kaufman, New York	37	30 4VEH, Cap Haitien, Haiti, 9770 kc/s
132. John De Smith, Minnesota	37	25 Voice of Free China, Taipei, 17720 kc/s
133. Ray C. Standish, Ohio	37	24 Radio Norway, Oslo, 11735 kc/s
134. Larry Hastie, Texas	37	15 Cairo, U.A.R., 9475 kc/s
135. Bob Wigelsworth, Ontario	35	31 Radio 4VEH, Cap Haitien, Haiti
136. Robert McClain, California	35	25 VLQ-9, Brisbane, Australia, 9660 kc/s
137. John T. Soneff, Louisiana	34	31 -----
138. Mark Mohrmann, New York	34	28 Radio Reloj, Costa Rica, 6208 kc/s
139. Chris Kennedy, Maryland	33	24 VOFC, Taipei, Taiwan, 17720 kc/s
140. Al Rasmussen, New Jersey	31	15 Radio Tirana, Albania, 7265 kc/s
141. Leonard A. McWilliams, Calif.	31	10 YDF6, Djakarta, Indonesia, 9865 kc/s
142. Ken Lyon, New York	30	24 Radio Lebanon, Beirut, 11965 kc/s
143. Bob Spieler, New York	30	23 Radio Japan, NHK, Tokyo, 17825 kc/s
144. Michael J. McPherson	29	16 Radio Sweden, Stockholm
145. John Ostrowski, Connecticut	29	14 Cairo, U.A.R., 9475 kc/s
146. Kevin Brown, Michigan	29	5 Radio Nacional de España, Madrid, 9760
147. Philip Wanat, Spain	28	19 Radio Portugal, Lisbon
148. Ken Hildreth, Illinois	27	22 N.H.K., Tokyo, Japan, 15135 kc/s
149. Michael Mochizuki, Hawaii	27	17 SBC, Berne, Switzerland, 9655 kc/s
150. Robert E. Fallona, N. H.	25	20 Radio Kiev, Ukrainian SSR, 9660 kc/s
151. Norman Perdue, California	24	10 4VEJ, Cap Haitien, Haiti, 11835 kc/s
152. John Semeneck, Alberta	24	8 Deutsche Welle, Köln, G.F.R., 11945 kc
153. Thomas Rosalanko, New Jersey	23	6 Radio Peking, China, 15060 kc/s
154. Gary A. Galo, Vermont	22	13 Radio Tirana, Albania, 7265 kc/s
155. Fred Bacon, North Carolina	21	13 Radio Australia, Melbourne, 11710 kc/s
156. John A. Beggs, New Brunswick	20	12 SBC, Berne, Switzerland, 6120 kc/s
157. Warren Davis, Maryland	20	10 VLX9, Perth, Australia, 9610 kc/s
158. Brian Goedke, Illinois	18	10 Radio Nederland, 9590 kc/s
159. James W. Wasson, Pennsylvania	16	11 Radio Norway, Oslo, Norway, 25730 kc/s
160. Henry G. Jordan, Georgia	15	6 HCJB, Quito, Ecuador, 15115 kc/s
161. Jim Eller, Virginia	13	11 Radio Australia, 17840 kc/s
162. John Carson, Pennsylvania	10	7 Radio RSA, South Africa, 11875 kc/s
163. Steven Kruse, Illinois	7	7 Radio Prague, Czechoslovakia, 11990 kc

° PLEASE UP-DATE YOUR TOTALS NOW °

LATIN AMERICAN WHITE LIST PART TWO by RICHARD E. WOOD/HAWAIIPERU.

Radio Huancayo	only one reply but should be friendly
Radio Nacional Iquitos	one verification only, after follow-up
Radio Nacional Lima	almost totally black; one verie in 1967
Radio Nacional Tacna	one only, after follow-up
Radio Nor-Peruana	rare; one reply in so far
Radio Tingo Maria	two answers; follow-up required
Radio Tropical	two answers; otherwise unwilling
Radio Union	over-reported, answers only best reports
Radio Victoria	two answers

URUGUAY.

Radio Carve	best actual verifier, though not perfect
Radio El Espectador	often sends pennant, sometimes verie
Radio Oriental	one reply only; usually reluctant
Radio Sarandi	one only
S.O.D.R.E., Montevideo	usually only folder, but one actual verie/ received

VENEZUELA.

Ecos del Torbes	good, regular
Escuelas Radiofonicas	one reply noted
La Voz del Tachira	one of the best
Ondas Panamericanas	irregular; follow-up required
Ondas Fortefias	two replies in '67
Radio Barquisimeto	friendly and regular
Radio Bocono	A.M.A.R.C. has just persuaded it to answer a backlog of 40 reports; will henceforth be regular!
Radio Bolivar	best Venezuelan replier in '67
Radio Continente	not perfect, but generally good
Radio Coro	one or two noted
Radio Frontera	another very friendly Venezuelan
Radio Giradot	one or two only
Radio Juventud	friendly and regular
Radio Libertador	previously all black; 3 replies trickled thru in '67; follow-ups may be necessary
Radio Maracaibo	replied when Radio Mundo; nothing so far under new name.
Radio Monagas	difficult and challenging
Radio Occidente	as for Radio Maracaibo, replied when Radio Tovar; one recent reply as Occidente tho'
Radio Popular	quite regular
Radio Puerto Cabello	difficult; a few only
Radio Rumbos	only 2 cards in '67; not in verie period
Radio Sucre	only 1 in '67; as for Rumbos
Radio Universidad	one reply; challenging
Radio Universo	two or three noted
Radio Valera	usually answers
Radio Yaracuy	friendly and regular

CENTRAL AMERICA: COSTA RICA.

Faro del Caribe	regular; you may report in English
La Voz de la Victor	one or two noted; ought to reply
Radio Casino	one of the very best in all L.A.
Radio Popular	several in lately
Radio Reloj	receives dozens of reports, yet does reply

NASWA-FRENDXSHORTWAVE CENTREAPRIL 1968CUBA.

Radio Habana Cuba

no comment necessary

DOMINICAN REPUBLIC.HIN

La Voz del Papagayo

good, regular

Radio Comercial

one reply noted

Radio Cristal

good, regular

Radio Exitos

regular

Radio Mil

several good replies recently

Radio San Juan

irregular SW operation; but regular

Radio Santiago

one or two recent answers

Radio TV Dominicana

two cards received in '67

consistent recently

EL SALVADOR.

Radio Nacional

regular and friendly

GUATEMALA.

Radio Chortis

best Guatemalan verifier

Radio Cultural

friendly, regular

Radio Maya Barillas

one reply from this rarity

Radio Nacional Tikal

has always been friendly

Radio Santa Cruz

one answer noted

HAITI.

La Voix Evangélique, 4VEH

no comment necessary

La Voix de la Révolution Duvaliériste

fairly consistent

Radio Caraïbes

former verie-signer has left the station;

present policy unknown

Radio Citadelle

one reply from this rarity

Radio Haïti

very reluctant and hostile

Radio Lumière

short of staff, but a few brief veries

HONDURAS.

La Voz del Junco

one reply in '67

La Voz de Occidente

one reply

La Voz Evangélica de Honduras

consistent; you may write in English

Radio Centro

one reply

Radio Juticalpa

one reply; rarely heard; friendly

Radio Lux

one reply

HONDURAS, BRITISH.

Radio Belize

good if return postage sent

MARTINIQUE.

O.R.T.F., Fort-de-France

follow-ups sometimes req'd; many replies
recently thoughMEXICO.

El Eco de Sotavento

two replies in '67

Emisoras Culturales del Est. de Jalisco

one or two answers

La RH de México

irregular, but does reply at times

Radio Frecuencia Juventud

also irregular, but does reply once

Radio Universidad Nacional

one or two answers

Radio Universidad de Sonora

two or three answers noted

NETHERLANDS ANTILLES.

T.W.R.//Radio Nederland

excellent direct or via Hilversum resp.

NICARAGUA.

Radio Atlantico
Radio Zelaya

one answer in '67
best Nicaraguan verifier

SWAN ISLAND.

Radio Americas

regular

WINDWARD ISLANDS.

W.I.B.S., Grenada

slow/irregular; wants high frequency rpts
only.

-30-

Your editor extends his sincere thanks on behalf of the membership to Richard for this excellent summation. I am sure it will be of great help/benefit to the membership.

QSLs RECEIVED

Many fine QSLs have been received this month. Your Editor would though, draw your attention to those received from Radio Peyk-E-Iran, Botswana and Laos, plus the Nepal Burundi, and a flood of replies from once "black" Martinique.

AFGHANISTAN: Radio Kabul, 15265 kc/s sent card with complete verie info in 13-19 days.

IRC sent (Baines, Nova Scotia; Graham, N. Y.)

ALBANIA: Radio Tirana, 7265 kc/s w/folder-type card containing picture of Albanian flag; in 2½-3 months. No IRCs (Rodau, N.Y.) letter instead (Kirkpatrick, B.C.)

ALGERIA: Radio Algiers, 9685 kc/s sent card in 2 mos airmail, w/sked and report forms.

3 IRCs sent and reported originally in French w/NASWA French form (M. Kamp, Texas)

ANGOLA: Radio Clube da Huila, 5021 kc/s sent card in 16 days by airmail. Features photo of control room; 3 IRCs (Peters, Illinois)

ARGENTINA: Radio Splendid, Buenos Aires, 5985 kc/s sent letter and magnificent pennant from Eufrasio Loza, Secretario General, by airmail in 19 days. (Wood, Hawaii)

ARMENIA: Yereva, 17880 sends card by registered airmail in 86 days. Also 2 p/cards and sked; full data. 2 IRCs (Deal, Nebraska)

ASCENSION IS. BBC S. Atlantic relay, w/usual BB card in 31 days via London w/xmtr site typed in (Deal, Nebraska)

AUSTRALIA: Radio Australia, Melbourne, 11710 kc/s sends card, rpt forms, sked and booklets. Card is color photo of the Waratah, floral emblem of New South Wales. 6 months via 2nd class seaimail (Rodau, New York)

VLQ9, Brisbane, 9660 kc/s sent card seaimail in 8 months seaimail. Full data. 1-IRC (McClain, California)

VLW6, Perth, 6140 kc/s replies by card/letter seaimail in 71 days. 2 IRC sent and V/S was I. W. Greville, A/Programme Director. Full data (Churchill, California)

AUSTRIA: Austrian Radio, 7245 kc/s sending card/sked/rpt forms by air in 19 days and containing full verification details (S. Kamp, Texas)

AZERBAIJAN S.S.R. Baku, 9490 verified by letter from "Peace and Progress" by seaimail in 1 year from S. Volguin. QSL statement only (Matthews, Pa.) What address did you use for P&P, OM? (GAC)

BELGIUM: ORU/RTB, 21510 sent the usual card of the external sces, with very fine letter from the Director, W.J. Stevo. Written in Dutch, the QSL (Brummel, Holland) 14 days

BONAIRE: Radio Nederland, 9590 w/card airmail in up to 2 months, but averaging 2-3 wks. Via Hilversum; sked follows by seaimail (Rodau, NY; Artiss, Michigan; Weber, Ohio)

T.W.R., 9695, folder or fold-out card, sked and religious info airmail in 26 days airmail. Full data; 3 IRCs (Thornton, California)

BOTSWANA: Radio Botswana, 4836 kc/s sent attractive but incomplete card from a Mr. Miller by airmail in 20 days. No details though (Wood, Hawaii) Very good Richard (GAC)

BRAZIL: Radio Guaiaba, 5965 kc/s sends fold-out card with aerial view of Port Alegre, with pennant in 60 days. 2 IRCs. V/S: William Sparrow (Hirst, Texas) NASWA Portuguese form used; but card is in English. Irony!

Radio Globo, 11805 kc/s sent card surface mail in 39 days. Card is colorful with various Brazilian scenes on it, written in English and Port. (Pappas, Illinois)

- BULGARIA: Radio Sofia, 9700 sent card/sked in 2-3 months seamail. Card features xmtr superimposed on European map in brown, blue and yellow. V/S: M. Andreyeva. No IRCs (Mitchell, Michigan; Standish, Ohio)
- BURUNDI: Radio Cordac, 4920 kc/s sends letter and detailed card from James Morris, the manager by airmail in 2 weeks. (Wood, Hawaii)
- BYELORUSSIAN S.S.R. Radio Moscow sent card verifying N.A. xmsm on 9660 "through Minsk" (Dexter, Wisconsin) There's an easier way for Minsk, gentlemen. See 9660 logging in march LOGGINGS section for details (GAC) and letter from Peace and Progress for Minsk 7340 kc/s relay signed by S. Volguin after 1 year and many f/ups. Same as for Baku (see) (Matthews, Pa); Address ? (GAC)
- CAMEROON: Radio Yaoundé, 4972.5 kc/s, 2 cards airmail in 2 wks. Full data; 5 IRCs (Matthews, Pennsylvania) Calkin, N.B.)
- CANADA: CBC, 11725 kc w/card airmail in 2-3 weeks. V/S: B. Duke (Jinkinson, Ontario// CFVP, Calgary, 6030 kc/s sends card surface mail in 33 days from R. Lamb. Complete data; no IRCs (Happin, Washington; Braz, Pennsylvania)
- CANARY ISLANDS: RNE, 11800/15380 sends card showing studio interior in color with list of associated MW stations, plus letter from Juan de Rojas. Times average 1 month; with card up to 5 months. Reported in Both English and Spanish. (Poulis, Mass; S. Kamp, Texas; Artiss, Michigan; Elliott, Indiana; Field, Michigan; Bradley, Ind; Pappas, Illinois)
- CEYLON: Radio Ceylon, 11800 kc/s w/form letter and full data; plus sked in 2 months by airmail. IRCsent (Graham, New York)
- CHILE: La Voz de Chile, CB970 kc/s sent card by airmail in Spanish taking 5 weeks. Sta and date only on card. 3 IRCs sent (M. Kamp, Texas)
Radio Calama, 6100 kc/s w/letter, specific, from Jorge Granic Mimica, Gerente in 3 wks airmail (Wood, Hawaii)
- CHINA: Radio Peking, 15060 sent card, magazine and Mao's Little red book seamail in 2 months. No details; no ircs. (McClain, California; Beggs, N.B., Artiss, Michigan)
Yunnan, 10020a kc/s sent card with "From Yunnan" added, plus Maoist 'trash' seamail in 4 months. Via Peking, seamail (Matthews, Pennsylvania) Very good OM (GAC)
- CLANDESTINE: Radio Peki-I-Iran, 11695 kc/s replied in 8 months with a short personal letter, which gave no details, but simply verified reception as correct. Airmail from West Berlin(!) 3 IRCs sent with report to TUDEN and required 2 f/ups. (Matthews, Pa.) Very good OM. First QSL I have ever seen for this station. TUDEN is the official name of the Communist Party of Iran, and the most recent address your editor has is: Box 4176, Stockholm 4, Sweden. Is this where your report was sent? (GAC)
Radio Muzkadi, sent card in 65 days airmail via Paris for rpt in Spanish (Macken, Massachusetts)
- COLOMBIA: Transmisora Caldas, 5020 kc/s sent letter, acknowledging rpt and offering to sent taped Colombian music; and pennant by seamail in 2 wks (Pappas, Illinois)
- CONGO REP. O.R.T.F., Brazzaville, 15190 kc/s w/card airmail in 59 days. Full data; 2 IRCs (Baltimore, Pa) 6 weeks 11725 (Zaharek; Conn.) 2 weeks (Elliott, Indiana)
- CONGO (DEM. REP. OF): Radio Kinshasa, 9775 kc/s sent very fine verie letter stating that QSL-cards are out of stock at the moment and signed by L. V. Mikuna, sous-directeur, Chef des Services Techniques, in the French language. No IRCs; 75 days (Brummel, Holland) in 3 weeks from Mbecke Vital; mint stamps sent and replied by registered airmail. Date only given (Graham, New York)
La Voix de la Fraternité Africaine, 11865 kc/s sent card/sked by seamail in 3 months w/full data and also confirmed 15245 parallel. 3 IRCs (Shaw, Calif.) Lubumbashi (GAC)
- COSTA RICA: TIFC, 9645, card and form letter, tract in 31 days by air; (Weber, Ohio)
Radio Casino, 5954 sent typed letter and pennant in 9½ weeks. (Ehn, Mass.)
- CUBA: Habana, 9525/9655 sent card, personal letter, no propaganda but offered in letter by airmail. No IRCs (Bacon, N.C.); 10½ weeks, card, pennant, pin and propaganda mags; full verie info. No IRCs (Artiss, Michigan)
- CYPRUS: BBC East Mediterranean relay, 7140/11905/15420 kc/s s/regular BB card, sked and

naswa-FRIENDX

SHORTWAVE CENTRE

relay station name typed in. 6-12 wks (Michalenka, Weber, Getman)

CZECHOSLOVAKIA: Prague, 7345 kc/s sent card, letter and sked airmail in 5 weeks. Full data. V/S: Vladimir Kucera (Mappin, Washington; Beggs, N. B.)

DAHOMEY: Radio Dahomey, Cotonou, 4870 kc/s sends card airmail in 8 months with complete verie data. 2 IRCs (Zaharek, Connecticut)

DENMARK: OZF7, Copenhagen, 15165 kc/s w/card, sked and personal note airmail in 35 days. Full data; V/S: S. Jackson. 3 IRCs (Thornton, Calif) 20 days (Wood, Indiana)

DOMINICAN REPUBLIC: Radio TV-Dominicana, sends card in 2 weeks verifying 6090 kc/s. No IRCs; No F/ups req'd (Bradley, Indiana)

ECUADOR: HCJB, Quito, 9745 sends card, sked and leaflets seamail in 11 weeks. V/S: Herbert Jacobson. Full and complete verification details (Artiss, Michigan)

ENGLAND: BBC card noting reception of Skelton to complete all BBC transmitter locations; on 9510 kc/s (Dexter, Wisconsin)

ETHIOPIA: ETLF, 11790/11920/15400 replies w/card/sked in 1-5 months. Full data and IRCs usually sent. Card is green and white (Wood, Ind; Mitchell, Mich; Kane, N.J.; Standish)

FRANCE: ORTF, Paris, 15245 kc/s w/card seamail in 6 wks. No IRCs; full data (Michalenka) in 5½ months seamail with aerial view of Paris and the ORTF (Cohen, Conn); seamail in 6 months (Mitchell, Michigan) in 8½ days for 6176 after over 4 years of rpts (Weber) and via Brazzaville, 17850 kc/s in 2 months. V/S: R. Charrier (Burke, B.C.)

FRENCH GUIANA: Cayenne, 3385 kc/s sends full-page personal letter in French from Laurent Barrat, Directeur. By airmail in 5 wks. Date only given (Pistek, Illinois)

G.F.R. Deutsche Welle, Köln, 9780 kc/s sent card/sked by airmail in 20 days. V/S: S. Mele; full data. No IRCs (Pollak, Conn) 17790 w/beautiful blue card (Anthony, Conn; Beggs, New Brunswick)

GILBERT & ELLICE ISLANDS: standard verie rcvd from Voice of Tarawa, mimeo form letter. No signer; 2 IRCs sent. Reply by airmail in 7 weeks. 4912.5 kc/s (Dexter, Wisconsin)

GHANA: Radio Accra, 17910 sent card/sked in 1 wk after f/up (Mochizuki, Hawaii)

GREECE: VOA, Thessalonika, 5995 kc/s w/card in 10 days surface mail from Washington. Tx location and date only. 7 days; V/S: Opal Lau. No IRCs (Getman, Wisconsin)

GUATEMALA: TGNA, 5955 kc/s w/card and station info and personal letter from Mr. John S. Holland. 3 months airmail; full data (McClain; Elliott) 7 days only (Weber, Ohio)

GUYANA: Radio Demerara, 3265/5980 w/card airmail in 3 days, 2 months from S. Bowen. 3 IRCs (Poulis, Mass; Shaw, California resp.)

HAITI: 4VEJ, 11835 kc/s w/folding card, sked and Xmas pamphlet/sked. 36 days. V/S: Mrs Kent Ragsdale (Poulis, Massachusetts)

HONDURAS: Radio Evangelica, HAVC, 4820 kc/s sent card from Sally Erickson. 30 days; mint stamps sent (Billingsley, Calif;) 2 weeks (Poulis, Mass; Pappas, Ill; Deal, Neb.)

INDIA: AIR, 15175 kc/s sent card/sked in 3 wks by airmail. 2 IRCs sent; full data (Zaharek, Connecticut)

AIR Hyderabad, 4600 kc/s sending letter and p/card airmail in 22 days. Contains QSL statement only. V/S: V. Seshachary, A/Station Engineer. Returned my irc. Note the address as: Akashyani (AIR); "Rocklands" Saifabad; Hyderabad 4, India (Churchill, Cal)

INDONESIA: (Celebes Is) Makassar, 4753 sent card airmail via Djakarta and Mrs. Susie 3 IRCs (Shaw, California)

RRI Sukarnapura, 6071.5 (nominal '6070') verified by 3 page hand-written letter in Dutch from News Editor Mathieu Wellikin. By airmail special delivery and registered in 5 weeks (Wood, Hawaii)

IRAN: Radio Iran, 15135 kc/s sent letter and magazines about Iran in 10 wks seamail. Confirmed only the receipt and correctness of the rpt. No IRCs. (Kane, New Jersey)

IRAQ: Radio Baghdad, 7180 w/card in Eng/German/French in 3-4 mos (Ehn, Mass; Shaw, Cal)

- ISRAEL: Kol Yisraël, Jerusalem, 9009 kc/s and 9625 kc/s sent card featuring antenna systems; printed matter on Israël; full verie info; IRCs sent Averages 6-10 weeks. (Kirkpatrick, B.C; Weber, Ohio; Elliott, Indiana; Kane, N.J;) also beautiful 15 x 12 flag of Israel (Nordgren, Illinois) and supplement to Jerusalem Post (Mayo, Maine)
- ITALY: RAI, 11810 kc/s w/card airmail in 2 months. No IRCs. Full data (McClain, Calif)
- IVORY COAST: Radio Abidjan, 11920 w/very attractive card featuring multicolored map of Africa and complete sked. 18 days (Brummel, Holland). Personal letter airmail in 6 wks as a result of my 10th report from Ch. Nogbou, Le Directeur des Etudes et Relations et de la Formation Professionnelle, who advises he has just returned from USA where he could not year Abidjan. Thus indicated a request for RRs on receivers less potent than my HQ-180A (Graham, New York). There's the chance for others who have to send 10 rpt (GAC)
- JAPAN: NHK, Tokyo, 9505/9560/11815/15105/15135 kc/s w/card, skedin up to 3 months. General average time is much less; 1/2 to 1 month. (Graham, NY; Jinkinson, Ontario; Pollak, Connecticut; Mitchell, Michigan; Haitani, Illinois; Anthony, Connecticut)
- KOREA (SOUTH): VOFK, Seoul, 15430 kc/s w/card and sked in 8 1/2 weeks airmail, w/rpt form and card is colorful view of the Bulguk-sa Temple at Ayoung ju. (Zaharek, Connecticut; Jamison, Virginia) NY)
- KUWAIT: KBS, sent attractive foldover p/card for 9520 kc/s; IRC sent; 5 wks (Colapietro)
- LAOS: Radiodiffusion Nationale Laos, 6130 kc/s sent card airmail in 10 days from S. Phimavong. Full data; 2 IRCs (Billingsley, California) Excellent Don (GAC)
- LEBANON: Beirut, 11965 kc/s sent card and sked in 26 wks total (10 wks after f/up) by registered airmail. Mint stamps sent. Full data (Billingsley, California)
- LIBERIA: VOA, Monrovia, 15360/15445 kc/s w/card via Washington in 1 week. V/S: Diane Schott. Usual VOA yellow card (Mitchell, Michigan; Mohrmann, N.Y.)
- LITHUANIA: Radio Vilnius, sent card airmail in 1 month. Full data; IRC (kirkpatrick, BC)
- MALAGASY REPUBLIC: Radiodif. TV Malgache, 15265 kc/s w/card and letter, apologizing for delay in 1-3 months. Card shows xmsm centre. V/S: R. Morry (Nordgren, Ill; Caldwell, Cal)
- MALAYSIA: Kuala Lumpur, 6175 kc/s w/card by airmail in 13 days after f/up. Full data IRCs sent (Getman, Wisc) for Chinese Sce on 7110 kc/s in 2 wks; 5 IRCs (Matthews, Pa)
- MARTINIQUE: O.R.T.F., Port-de-France, 3315/4895 kc/s currently replying by letter in French from M.J. Dupre, L'Ingénieur Régional. Reported generally in French using NASWA form the reply came in 1 1/2-3 weeks, apologizing for inability to reply in greater detail due to lack of personnel. However, promised further verification later. (Cohen, Conn; Hirst, Texas; S. Kamp, Texas; Getman, Wisconsin; M. Kamp, Texas; Shaw, Virginia). Get them while they are willing gentlemen. Previous "black" period temporarily ended, it would appear (GAC).
- MEXICO: Radio Universidad de Sonora, XEUDS, 6115 kc/s sent card with imprint of Univ. emblem by surface mail in 3-7 weeks. Frequency/Power only given (Thornton, Caldwell)
Radio Universidad Potosina, 6045 kc/s w/card from César Martinez B., Director by airmail in 2 weeks (Wood, Hawaii)
- MONGOLIA: Ulan Bator Radio, 7260 kc/s replies w/view cards, sked and a very friendly verie letter for Home Service in 3 weeks. IRCs sent; but notified in letter that it was not necessary (Mochizuki, Hawaii)
- MOROCCO: Rabat, w/white card in 10 days. Believe this is a new card which is very similar to old one, although it is minus the 2 figures in upper left and lower right corners (Macken, Massachusetts)
- NEPAL: Kathmandu, 4600 sent card w/complete verification message in approximately 12 weeks. Return postage sent (Jensen, Wisconsin) Congrats, Don (GAC)
- NETHERLANDS: Radio Nederland, 9590/11730 w/card, airmail in 3 wks w/full data. No IRCs necessary. See description in opening NEW QSLs this mo. (Goedke, Jinkinson, Beggs)

NEW CALEDONIA: Nouméa, 7170 kc/s sends plain white card airmail in 1 month airmail. 3 IRCs (M. Kamp, Texas) card in French in abt 1½ months; rpted in English (Mochizuki, Ha)
NIGERIA: NBC, Benin City, 4932 kc/s sends letter and pamphlet on station by air in 8 wks. V/S: L. I. Asoera (Peters, Illinois; Field, Michigan)

PAKISTAN: Radio Pakistan, Quetta sent nice personall letter in 15 days airmail for 4915 containing definite verie statement. Signed by G. Rabbani, Regional Engineer, the letter mentions new high-power SW xmtr being set up at new Pakistani capital of Islamabad. IRC returned as "since as a Government, we cannot accept it". (Sparks, California)
PERU: Radio Landa, 6038 kc/s w/2 cards from Max Landa by registered airmail in 3 wks. (Wood, Hawaii)

RHODESIA: R.B.C., 3396 kc/s, attractive card detailed and letter stating mine is most distant rpt ever received. Plus sked. Airmail in 3 wks, the card depicts grazing gazelle and Salisbury street scene (Wood, Hawaii)

SINGAPORE: FBS, 5010 kc/s sends card and letter seamail in 2 mos. V/S: J. M. Campbell; also sent copy of FE Radio Times (Graham, New York)

SOMALI REPUBLIC: Mogadiscio, card in 1½ years (Baines, N.S.)

SPAIN: Radio Liberty, card via seamail for 15225 after 10 weeks. Includes location of transmitter. (Padula, Australia) Where did you sent it to? Bob (GAC)

SUDAN: Radio Omdurman sent mimeo QSL w/sked for 4494, signed by Mohd. El. Obeid. IRC sent. 2 Months (Colapietro, N.Y.) Are you sure of the frequency Oh? (GAC)

SWITZERLAND: SBC, 21540 kc/s w/card w/black and white photo of ski scene. No IRCs, by seamail. Under separate cover, sked and pictures, w/antenna booklet (Goldman, N.Y., Beggs, N.B.)

I.C.R.C., Geneva, sends card airmail in 2 weeks. V/S: G. Penard. ALL in French by airmail. No IRCs (Michalenska, R.I.)

SYRIA: Syrian Arab Being Sce, 15166 kc/s sent card in 10 wks after f/up. (6 months in total), by registered airmail. Mint stamps sent. Date and time given (Billingsley)

TANZANIA: Radio Tanzania, Dar-es-Salaam, 5050 kc/s w/card and letter in 6 weeks after 2nd letter by airmail. 2 IRCs. All info (Field, Michigan) 15435 kc/s from J. Mel; 3 IRCs. 7 weeks (Billingsley, California)

THAILAND: Radio Thailand, 11910 kc/s sends card and sked in 2½ months. Full info. IRC (Mochizuki, Hawaii)

TUNISIA: Radio Tunis, 6195 kc/s w/card airmail in 13 days. IRC. No signature, all particulars given (Getman, Wisconsin)

TURKEY: Ankara, 15160 kc/s w/card airmail in 9 wks w/travel folders. (kirkpatrick, BC)

U.S.A. VOA/Dixon, 17820 kc/s w/card in 9 days surface mail. No IRCs (Baltimore, Pa.)

WINB, Red Lion, Pa., card/sked in 16 days airmail. V/S: Rev. John H. Norris. (Pollak, Conn.) 6 days, full data (Matthews, Pa) 3½ weeks (Beggs, N. B.)

UZBEK S.S.R. Radio Tashkent, 9600 kc/s w/card and sked airmail in 30 days. Full data. No IRCs; direct (Poulis, Massachusetts)

VENEZUELA: Radio Bocono, 5010 kc/s sends letter, leaflet and p/card from: Evert Graaf Hernandez, Director in 7 months airmail (Wood, Hawaii)

Radio Bolivar, Cd. Bolivar, 4770 kc/s sent folder-type card airmail in 116 days. No IRCs (S. Kamp, Texas) attractive Xmas card, but poor verie text, depicting Angel Falls, Venezuela (Wood, Hawaii)

Radio Juventud, 4900 kc/s sends nice card airmail in 24 days. Date and frequency only. Rpted in home brew Spanish; card is pretty in green, white with a caricature of two kids rock and rolling in red and freqs given. Call themselves 'Una Emisora Joven Para La Gente Joven' (Poulis, Mass; Zaharek, Connecticut) "Swinging Radio for the Young Generation". (GAC)

QSL OF THE MONTH

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Radio Malaysia Sabah, formerly in North Borneo and now part of the Malaysia Federation is indeed a rare catch in North America, but is occasionally heard on the West coast. A most attractive card and addition to anyone's collection, Radio Malaysia Sabah is well worth DXing.

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VENEZUELA (continued):

Radio Nacional, YVKG, Caracas, 6170 kc/s replied by letter in Spanish, sked airmail in 7 weeks signed by Alfredo Gerbes, Jefe de Production. Complete data (Field)

Radio Popular, 4810 kc/s usual folder card. 2 wks by air (Wood, Hawaii)

Radio Yaracuy, 4940 kc/ w/card, specific, from Juan Neptali Silva, Director.

F/up sometimes req'd. (Glover, Wash; Dexter, Wisc; Sparks, Calif; Tuner, Sweden)

VIETNAM (N): Hanoi, 9760 sent form letter, sked and P/P/card by air. IRC (Hagerman, Mich)

VIETNAM (S): VTVN, Saigon, 9620 replied by card w/blue, white card w/black lettering and all verie info in 3 wks (O'Connor, N.J.) 169 days (Chicoine, P.Q.)

Hué, card but not indicated as that location on card; f:up sent for a clarification (Dexter, Wisconsin)

WINDWARD ISLANDS: WIBS, Grenada, 328011940:11970 w/very plain card, itself containing sked and full info in 71 days. IRC (Iir zzPa.) in 14 wks (Pappas, Ill.) after many tries, in 4½ mos (Hagerman, Michigan) 2 mos (Burke, BC) 7 wks (Mrs. Ehn, Mass) 1 month (Thron-ton, California; O'Connor, N.J.) Some of these gentlemen req'd f/ups (GAC)

YUGOSLAVIA: Belgrade, folder card, calendar, letter, sked, pennant and p/cards. Full data given. Duration varies from 4 wks to 2 months. (13 reporters!)

The end has come again for this month gentlemen. Remember all your reports are most welcome; the deadline is the 15th of each month. CU in 30, 73's, GREGG.



LOG REPORT

DEE HIRST, EDITOR
202 BIRCH STREET
SNYDER, TEXAS 79549

Deadline 15th of Month

ALL TIMES GMT

- 2599C USA VOA/Dixon 1st. open. from WC long time; 2209 Oriental lang to 2300 s/off; new freq (Hauser)
- 25720 ENGLAND BBC 1500 ID, R. Noreel to SEAsia, also 25670, 3/12 (Mitchell)
- 24240 ARGENTINA LRA31, HS; 4x6060 where only Habana; 2230 class. mx, 0107 improved rxn, wx and ID (Hauser)
- 21740 AUSTRALIA R. Australia only used 0515-0615 in Vietnamese (Balbi)
- 21730 NORWAY R. Norway s/on 1500; Eng at 1600 (Baines)
- 21685 E. PAKISTAN Dacca 1221-1330 s/off; lang mx, nx and comm Almost dly (Graham)
1230 dly, S-5-8 by 1300; still low QSA; lang unknown (Hall)
- 21640 JAPAN NHK, 0100-0300, Eng/Jap/Sp, vy str; //15145//17725//17825 (Laveaga) Vy str. 0245 in Eng (Hirst) Dly reg ser to NA; 0100-0130 Jap; C200-C300 Eng (Thornton) New time 4/1, 0130-0330, Sp 0300 (Balbi) 0200-0300 excel (Oates)
- 21585 EGYPT UAR Cairo hrd 1730-1900 in Arabic, regular (Balbi)
- 21560 ITALY R. Roma, 1500 IS & s/on w/nx Italian (Mitchell)
- 21545 GHANA GES 1500 Eng nx, fair; //17810 weak (Balbi)
- 21540 E. GERMANY RBI, Berlin 1500 Eng nx to SEAsia hrd 3/6, good (Balbi)
- 21535 JAPAN R. Japan tests to WCNA 0200-0300 Eng, not ancd. 2/28-29 (Balbi)
- 21535 S. AFRICA R. RSA 2115, lite mx; description of trx at Bloemfontein (Pestor)
- 21515 GRENADA WIBS 1800 nxcast, s/off 1822 (Baines)
- 21510 GRENADA WIBS, Windward Is., 1732, SINPO 35433 (Brummel) Which freq?(Ed)
- 21505 USSR 1445, R. Peace & Progress, anti-US talk, Eng (Douglas) Yerevan list WRTH(Ed)
- 21485 VATICAN Vatican R., 1500, to India and SEA in Eng (Baines)
- 21450A NIGERIA NBC/Lagos hrd 0800-1400 s/off; Nat'l Pgm w/many lang: Afr dialect/Eng/Fr, many comm'ls. SINPO 35433 (Brummel)
- 21450 CZECH'KIA R. Prague, "Magazine of Air", req. reports 1425 (Mitchell) Sun. (Ed.)
- 21440 EGYPT New freq in hamband, well hrd w/Eng to Afr 2100 (Padula)
- 19363A ARGENTINA RAE, 2x9682A, fund. squeezed; class. mx 0112, ID Sp 0116 (Hauser)
- 17945 W. PAKISTAN Karachi(?) 1335-1350 w/Eng nx in Gen. Overseas Ser to PE; IS on at 1332:5; armchair copy every day for 2 weeks (Graham) 1335 ID, Eng nx; S-9+20DB (Mitchell)
- 17940 PAKISTAN s/on w/ID, into dictation nx in Eng 1335; good lvl (Padula) Is this moving around?(Ed) 17938.97 to 17942.33; avg. strg. S-5-8, but many times +20 & +40 DB over and clear; every AM while shaving; unbelievable (Hall)
- 17935 EGYPT Cairo dly 1100 on, Arabic & typical mx, strg. (Hall)
- 17920 EGYPT Cairo from 1030, many langs, avg. strgth. (Hall)
- 17910 CHINA R. Peking s/on 1430 Eng nx, foll. by usual; strong (Shaw)
- 17905 EGYPT Cairo, 0900, 1330, 1730-2130, strg., Arabic (Hall)
- 17860 BELGIUM BRT excel. 1630 w/Afr rx (Padula) Sun. sked; sport event in Fr., s/off 1630 (Sparks)
- 17855 AUSTRIA OR, Vienna, s/on to S. Africa 0700 (Wood)
- 17840 CZECH'KIA s/on w/IDs at 1630, into Arabic, strong (Padula)
- 17835 PAKISTAN Karachi 0245 Pak. mx; YL ancr. nx(?) 0300; mx 0306 (Palmer) ID hrd 0314, into Bengali(?) mx 0315; OM ancr; blocked by massive het. 0325 (Hirst) (Tent.) w/weak mx at 2357; QRM (Poulis)

NASWA-FRENDX

SHORTWAVE CENTER

APRIL 1968

- 17810 HOLLAND R. Nederland, s/on 1430 Eng lang pgm for S. Asia (Shaw)
 - 17810 PHILIPPINES FEBC, 0100 strong; usually on 8-10 hrs dly w/Eng (Shaw)
 17805 S. AFRICA R. RSA str 0440 in Eng (Niblack) 2353, DX nx (Baines) Thurs (Ed.)
 17785 JAPAN NHK, 0001 ID & Eng ed.; 0007 Jap (Mitchalenka)
 17770 SWEDEN R. Sweden 1400 w/pops (Sun.) 3/10, fair (Menna) From 21585 to ENA (Ed.)
 - 17770 N. ZEALAND Wellington, 0330 thru 0500, dance mx & gen'l pgm (Hall)
 17765 RWANDA DW Relay, Kigali, Eng s/off 1845 (Brown) 1945 Fr into Swahili, ID & nx
 (Pestor) 1745 s/on Afr ser, Eng (Mitchalenka)
 17730 VATICAN Vatican R. Fr 1915, Eng 1930; irr. 17765 (Balbi)
 17720 TAIWAN VOFC 0200 very strg. nitely; //17780 weak & QRM; 11825 audible, bad QRM;
 7130 there, but BBC on top (Hall) 0256 to 0310 f/o Eng; also 15125, often hrd
 (Palmer)
 17705 PAKISTAN Karachi, s/on 0330, ann. R. Pakistan; erratic off & on, many nites
 (Hall)
 17680 CHINA R. Peking 0000 w/Eng b'cast (Baines)
 17655 EGYPT V. of Africa, Eng nx 1745, Mailbag Sun. 1815, Eng by Radio 1826 (Balbi)
 1530 Arabic, 1800 Eng (Hall)
 17650 CHINA R. Peking Sp 0210-0255 anthem; off air 0256 (Palmer)
 - 16318 N. KOREA Pyongyang, Sp to LA, s/on 2300 (Wood)
 15475 EGYPT Cairo noted 1100 in Arabic (Hall)
 15448 CZECH'KIA Prague 5 x 5 in Eng at 1435 (Poulis)
 - 15440 PHILIPPINES DZF3, FEBC, Manila, 2330 fair //15385 (Balbi)
 15440 LEBANON Beirut in Eng 0240, on 3/5; new freq (Niblack) New freq to NA 0130-
 0400 Eng nx 0230, repl. 11785 (Balbi) IS 2200, into Sp; Arabic ID 0322 (Hirst)
 15435 MALAYSIA BECFES thru occasionally w/lang less. at 0035 (Poulis)
 15431 S. KOREA KBS, Seoul, Korean nx 2250 (Wood)
 15430 AUSTRIA (Tent.) Eng talk on composers, weak, QRM 0010 (Poulis)
 - 15430A INDIA Delhi, dly from 1215, nx, wx, Eng nx 1230; cont. where 15255 goes off
 1241 (Hall)
 15425 AUSTRALIA VLX15 Perth at 0135 w/good sig (Jamison)
 15410 ETHIOPIA ETLF, 0530 rel., 0555 ID, s/off (Mitchell)
 15405 ETHIOPIA R. V. of Gospel; ETLF, rel. in Asiatic lang, str. at 1530 (Laveaga)
 15405 W. GERMANY VOG, Bonn (via Köln) 1900 dly, nx Eng, s/off 1910 (Mitchell)
 15400 ETHIOPIA ETLF, 0513 Arabic, break 0530 for Eng ID; again 0557 (Palmer)
 15400 ASCENSION IS. BBC Afr Ser relay, Eng, into Fr 2130 (Niblack)
 15395 CHINA Peking, s/on in Russ 0640, jarring on (Wood)
 15390 AUSTRALIA R. Australia, Lindhurst, 10 kW hrd 0945; Eng sked 0900-1400 (Balbi)
 - 15385 PHILIPPINES FEBC, "Manila Calling", 2328 s/on; ann. as Eng Svc. (Niblack) Nx
 2300 (Rasin) Nx 2335 (Brown)
 15385 FRANCE CRTF, Fr nx 1900 (Wood)
 15380 RWANDA DW Relay, Kigali, s/off 2325 in lang (Brown)
 15365 S. AFRICA SABC Eng 0700-0830 hrd often; 2/29 fair (Balbi)
 15360 CANARY IS. RNE, mx pgm, Sp excel rxn 0300 (Mitchell)
 15350 LUXEMBOURG R. Luxembourg, Fr nx 1800 (Wood)
 15348 ARGENTINA R. Nacional, B. Aires; this freq anncd; s/off 1831 (Wood)
 15335 MOROCCO R.T.M., Arabic nx 0730 //9615 (Wood)
 15325 BRAZIL R. Gazeta excel for 1 kw. 2303; ID, into song (Niblack)
 15322 MALAYSIA V. of Malaysia, 0830 t/i, good lvl, Eng pops (Shaw)
 15320 AUSTRALIA ABC nx & mx, into Fr pgm 0500 (Mitchell) To NA 0100, QRM (Hirst)
 15315 PORTUGAL Em. Nacional, accordion mx 1250 (Wood) Unlist back to '65 (Ed.)
 15310 BULGARIA Sofia, flk mx 0048; now clobbered by Lisbon 15315 (Poulis)
 15310 ETHIOPIA ETLF s/on 1515 to Mad. w/Eng ID, str., from 15320; 3/12 (Balbi)
 15310 SWEDEN R. Sweden to WNA good 1600-1630 (Gates) New sked (Ed.)
 15305 SWITZERLAND 1530 w/Eng comments (Laveaga)
 - 15300 PHILIPPINES DZH9, FEBC, Eng nx 2330 fair //15385, DZF3 (Balbi) 15299, Eng nx
 1245 (Wood)
 15290 INDIA AIR, Delhi, dly 0845-1000 pop mx, long unknown (Hall)
 15285 GHANA Accra, 1815 ID freq given Eng, drums (Douglas)

- 15275 MALAYSIA V. of Malaysia, Kuala Lumpur noted 1034 to 1100 when QRM'd (Hall)
- 15274 HAITI Evangelistic Voice of Haiti moved into 19 M. band; s/off 0230, new freq (Niblack)
- 15272 URUGUAY S.O.D.R.E, Montevideo, Eur pops 0215 (Wood)
- 15270 MOROCCO VOA/Tangier IDing at 1630 then into Estonian, QRM havana (Poulis)
- 15270 URUGUAY CXAL8 hrd w/pgm of tangos, few IDs, 0230-0300 s/off; 1 KW (Niblack)
- 15265 INDIA AIR Delhi to E. & SEA 0019-0100 nx; Eng, tourist info, mx (Klemens)
GCS nitely w/Eng f/i 0030, s/off 0115 (Poulis)
- 15255A INDIA AIR, meas. 15256.56-15255.27 dly 1215-1241 Eng & lang (Hall)
- 15230 CUBA V. of Vietnam; ID nx in Eng; must be using Havana freq (Pestor) Relay (Ed.)
- 15230 CEYLON R. Ceylon, Colombo comm'l ser w/pop mx, weak, 0138 (Jamison)
- 15190 CONGO REP. ORTF Paris relay, 1915 s/on Eng; 1930 "Ici Brazzaville" (Michalenska)
Good at 1727 (Jamison) 1900-1915 Fr, 1915-1930 Eng (Barman)
- 15190 INDIA AIR, Delhi, good lvl in lingo s/on at 0345 (Niblack)
- 15185 CHINA Peking, new freq. to LA, Sp, 0100 (Wood)
- 15185 FINLAND Eng 1800-1815, 2300-2330 only; may use 15155; Xmtr trouble; 2/23 sked (Balbi)
- 15180 GRENADA WBS on their new freq at 1900, Eng, //15105 (Niblack) Eng 1822 (Baines)
- 15170 NORWAY R. Norway, 1900 ID Eng, into lang, 25222 (Pestor)
- 15165 INDIA AIR Dly 1000-1100 s/off, Eng (Hall) Eng talk on W. Bengal 1050 //15315 (Poulis)
- 15165 SYRIA R. Damascus in Eng, w/ R&R mx, 1654-1717; ID 1704 (Russell) End Eng nx, into mx 1638 (Poulis)
- 15160 INDIA AIR, Delhi s/on lang 0315 by W; no strain lvl (Niblack)
- 15160 TURKEY R. Ankara, nx & wx in Ger (Pestor)
- 15160 SAUDI ARABIA S/on 0357, 2/8, seemingly to and fro (Niblack) 1730, 3/3, QRM (Hirst)
- 15155 BRAZIL R. Dif. Sao Paulo 0120 NA type mx instead of sambas, etc; off abruptly 0201 (Palmer)
- 15150 PHILIPPINES "R. Veritas" testing w/anmts in Eng/Indonesian, good lvl, beamed to Indonesia. Other freq ancd: 17840/17860/11830 (Padula) Time? (Ed.) Test to Thai's. 1245-1305 (Wood)
- 15140 ASCENSION IS. BBC relay ID as Asc. 2158; 2200 (Michalenska)
- 15135 JAPAN R. Japan 2345 to NA, to 0045 (Baines)
- 15125 TAIWAN Voice of Free China, Taipei, nx of China 0140 (Rasin) 0205, S-3 (Jamison)
0700 Jap. nx, s/off 0710 (Haitani)
- 15120 FRANCE ORTF, Paris, 1945 talk in Fr, s/off 2000 (Pestor)
- 15120 NIGERIA Lagos, 2130 w/Eng (Baines)
- 15115 SENEGAL Dakar, 2100 ID in Fr, talk, mx (Pestor) 1929-2304 Fr; QRM XERR 15110 (Thornton)
- 15110 N. ZEALAND ZL21, new s/off time. //17770 seldom audible (Balbi)
- 15105 BRAZIL Rádio Rural, end "A Voz do Brazil" 2201, into own pgm (Wood)
- 15105 JAPAN NHK, 0405 Japanese, comments (Laveaga)
- 15095 CHINA R. Peking s/on 0830 usual format, strong (Shaw)
- 15080 CHINA R. Peking 0045, usual talk in Eng (Pestor)
- 15080 INDIA AIR in lang 1745, at 1800 Eng nx; fair to good (Balbi) 1911, weak & QRM (Jamison) 1745-1815 to E. Afr, poor (Oatos)
- 15080A CLANDESTINE R. Euzkadi, 15079.42, Eng/Sp anmts, 2030 Sat. jammed by 2040 (Hall)
- 15055 EGYPT V. of Arabs, Cairo, Arabic talk 0640 (Wood)
- 14495 RYUKYU IS. VUNC, Deragawa, classic me, anmts. in Korean 0930 (Wood)
- 12095 ENGLAND BBC, 2100 w/World Radio Club (Pestor)
- 12056 CHINA Peking, dictation nx in Indonesian //11820, etc. 0945 (Wood)
- 12005 EGYPT R. Cairo, carnival mx 2050; ID 2100, nx in Ger (Pestor) NA type mx 2000 (Baines)
- 11990 CZECH'KIA R. Prague s/on Eng 0330, nx; //7345 strg. another day (Richardson)
1138 lang talk, ID, //11950 (Douglas)
- 11970 GRENADA WBS w/local nx Eng 2347 (Michalenska) Beamed to Jamaica, s/off 0220 (Wood)

- 11965 BRAZIL Rádio Record, S. Paulo, "futebol" 0200 (Wood)
- 11950 SAUDI ARABIA Riyadh 0347 Arabic mx, H & F ancrs; Arabic nx 0350 (Palmer)
- 11948 PARAGUAY R. Encarnacion, freq. meas. 2/21; several IDs, a/off 0315A. Is this the only Paraguayan outlet in captivity? (Niblack)
- 11945 W. GERMANY D.W. Eng to Asia 0310 to 0340 s/off; good sig. (Richardson)
- 11940 RUMANIA R. Bucharest 1930 in Eng (Baines)
- 11940 SINGAPORE 1630 s/off, 2/22 (Cabral)
- 11938 ALBANIA Tirana opening 1430 in lingo, into nx; new freq (measured) (Niblack)
- 11935 PORTUGAL Emissora Nacional, Eng to NA 0345 (Wood)
- 11930 USSR (Eur) Leningrad, local ID, s/on for trawlers in N. Atlantic, 0800 on a Sat. (Wood)
- 11930 ARMENIAN SSR Erevan w/IDs, Armenian pgm 0800-0850, then Fr on Sun. (Padula)
- 11920 ETHIOPIA ETLF s/on 0430 Eng; QRM bu. ORTF (Balbi) 0432 to S. Afr (Barman)
- 11920 PHILIPPINES FEBC, 1400 Tagalog, rel. pgm (Laveaga) 1015, rel. tlk, hymn in Jap. (Haitani)
- 11910 THAILAND R. Thailand, Bangkok, Eng 1025-1100, weak & slightly muffled (Barman)
- 11905 ITALY RAI, Rome s/on 1610 (Cabral)
- 11903 INDONESIA (Java) Radio Angkatan Udara, Suara Angkatan Udara Republik Indonesia, Djakarta, irr. hrd s/on 1000, not nitely (Wood) Voice of the Indonesian Airforce. (Ed.)
- 11900 UKRAINE SSR Kiev 0030 Eng nx, 0035 Mailbag; strg. 3/9, ann. several freq (Balbi) 0445 in Eng 2/29 (Cabral)
- 11895 PORTUGAL RFE, Polish nx 0400 (Wood)
- 11890 ARMENIA (list) Yerevan 1st. hrd 2nd harm. 23780; prob. Nepali ser. 1440, closed 1457 w/"Internationale", double checked 2/22 (Hauser) I'd think SFE (Ed.)
- 11885 PORTUGAL RFE, Cezech time-check 0400 (Wood)
- 11875 S. AFRICA R. RSA ID in Ger to Austria/Ger nx, 2030 (Pestor) Eng 0200 (Baines) S/on 2330 //15220 to NA, repl. 17805, 3/3 (Balbi) Mx 0034 (Menna)
- 11875 E. GERMANY RBI, Eng to Africa 0615 (Wood)
- 11870 POLAND R. Warsaw 0320, good w/talks on Poland 3/1 (Menna) New (Ed.)
- 11866 CONGO D.R. Lubumbashi, La Voix de la Fraternite Africaine, w/Afr mx dedication pgm ann. in Eng dly; strong (Calkin)
- 11860 NORWAY R. Norway uses this in addition to 11850, poss. in diff. direction; nx in lingo 2010 (Niblack)
- 11860 TAIWAN VOFC, 0951 s/cn, comment. in Jap //11825//7130 (Haitani) 0800 Eng, ID nxreel (Douglas)
- 11857.5 CHINA R. Peking off-freq., Sp to LA, ID 2340; freq mentions Mao (Hauser)
- 11855 SAUDI ARABIA Jiddah s/on 0805 to Malaysia; also Arab ID, nx 1136 (Douglas)
- 11850 GHANA R. Ghana 2000-2100, good sig (Brown)
- 11845 FRANCE ORTF, Paris 0558-0605, //5960, Fr (Palmer)
- 11841 INDIA AIR Delhi, 1400, exc. lvl; nice mx, tlk on mongocses(mongeeese?)(Shaw)
- 11840 N. VIETNAM, Hanoi s/on 1000 Eng Gen. Svc. omniradiated (acc. to Da Nang sources) ann. 11760; //9760 weaker but clear. Shut down just before 1300; then 2nd xmtr beams thru SEA for US Forces; loud w/Hanna saying "Hi Fellas." (Shaw) Korean nx 1000 (Wood)
- 11840 USSR Radio Peace & Progress Eng nx 1015, 1030, fair 3/10 (Balbi)
- 11835 CEYLON VOA/Colombo, 1430 Eng ID, unusual format, cont. in lang; fair sig (Shaw) Relay Tamil, off-air pickup (poor), 1400 (Wood)
- 11825 TAHITI Papeete w/def. anmt for "Pepsi Cola" 0308, 300 mv lvl; now running comm'l. svc? (Niblack)
- 11810 AUSTRALIA R. Australia 1002 req. mx, 1035 nx in Japanese //9580 (Haitani)
- 11805 BRAZIL R. Globo around 0915; QRM R. Australia 11810 (Padula) Sambas 0039; relaxing (Palmer)
- 11800 CANARY IS. Relay Madrid, ID Sp 0100, talk, mx (Pestor) Sp ser to SA (Palmer)
- 11800 CEYLON Comm'l Ser 1150A, native mx; sked for Hindi/Tamil (Padula)
- 11790 USSR (As.) Blagoveshchensk (list), Russ talk 2145 (Wood)
- 11785 BRAZIL R. Guaibá, Port ad & ID, 2310 (Pecosky)

NASIA-FRENDX

SHORTWAVE CENTER

APRIL 1968

- 11780 ARGENTINA R. Belgrano, relay RAE in Eng (Field) Time? (Ed.)
 11780 JAPAN NHK 0900-1000 LA svc, nx, mx, variety in Jap //9765, 9530 (Haitani)
 11780 N. ZEALAND ZL3, 0646 mx, ID 0700, horse race 0715 (S. Kamp)
 11775 CHINA Peking, new freq. to LA in Sp 0200 (Wood)
 11770 INDONESIA RRI w/ID for Djakarta at 0000, Indonesian pgm (Padula)
 11770 NIGERIA Lagos w/new freq at 2040 in Fr; into Eng 2100 (Niblack) VoN, Eng 2100 (Brown)
 11765 BRAZIL ZY8 R. Tupi 2351-0103 Port., Braz. ballads & "saudade" mx (Palmer)
 11765 NIGERIA Lagos new freq. Eng 1730-2205, repl. 11900 (Balbi)
 11762 N. KOREA Pyongyang, Sp. s/on to LA 2300 (Wood)
 11760 VATICAN R. Vatican Fr. to NA 0110 (Flemens)
 11755 N. VIETNAM Powerhouse dly w/Eng beamed (supposedly) to US Servicemen in S. Viet 1200-1230; urges treason & mutiny! (Graham) s/on Eng 1300 (Brown) Ann. 11760, but not
 11754 N. VIETNAM Hanoi 1435-1500 lang, meas freq, M&W, much mention Haiphong, 2/11, when bombing; PB lvl. (Niblack)
 11752.6 N. VIETNAM Hanoi Eng 1300-1330 QRM BCEFE above, Peking below (Hall)
 11746 AFGHANISTAN Before 1800 lang, nx in Eng after, poor lvl; nat. mx, 2 IDs, off 1828:30; new freq, strain lvl (Niblack)
 11743 CHILE Evisoras Nuevo Mundo, Santiago, pops 0310 (Wood)
 11735 MOROCCO Nx in Eng 1835 by W, ID "...roccan R&TV System..." into pops (Niblack)
 11735 S. AFRICA SABC, SWA Ser., Eng nx 0600 (Wood)
 11725 CONGO REP. ORTF relay 0615 Eng for Afr/Mad.; 0630 Fr. ID for Brazzaville, cont. in Fr. (Palmer)
 11720 MALAYSIA BBC, Tebrau, Viet nx 2245 (Wood)
 11715 NETH. ANTILLES PJB, Bonaire, end Polish 0455 (Wood)
 11710 ARGENTINA RAE, Eng commentary, mx, s/off 2345 (Pestor)
 11710A VATICAN "Radio Vaticana" ID 0030, pgm in Italian (Tenenbaum)
 11708 INDONESIA (Java) RRI, Djakarta, Eng nx, Voice of Indonesia 1900 (Wood)
 11705 VATICAN R. Vatican, 2030 in lang, 45444 (Pestor)
 11700 GRENADA WBS hrd from 2100 to 2210 s/off (Baines)
 11695 CHINA R. Peking, a powerhouse anytime (Shaw)
 11693 CLANDESTINE Peyk-ye-Iran, Persian talk 1755 (Wood)
 11672 PAKISTAN R. Karachi 1145, lang, mx ID, talk (Douglas)
 11655 EGYPT Cairo, 2100 t/i, excel. sig in lingo; Eng ann. 2130 (Shaw) Cont. Arabic mx & songs; ID 0015 (Pestor) 2220 M&F ancres., Arabic mx (Palmer)
 11600 CHINA R. Peking opening Sp. xmsn at 0000 (Poulis)
 11570 USSR (Eur.) R. Moscow w/Sp; ID 0058, Eng 0100; didn't hear this freq ancd (Poulis)
 11505 CHINA R. Peking (tent.) sounded like Chinese at 0105 (Poulis) Listed.
 10530 KAZAKH SSR Alma Ata, 0420 Asian ballads w/piano; QSB, but good for trans-polar sig; bad by 0443 retune, when seemed to be in Russ. again, end Moscow relay 0130; concert mx after Kazakh(?) annts. //9360, hrd better (Palmer)
 9965 CHINA R. Peking, W. in Chinese, sounded quite violent (recosky)
 9912.5 INDIA AIR Delhi, 2100-2245 s/off, beaut. sig, 40 db over, like local (Shaw) 2146 weak & QRM (Jamison) Eng talk on Pakistan 2020; RTTY (Poulis)
 9860 CHINA Peking w/"Internationale" 2126 (Poulis) List WRTM/6C. (Ed.)
 9780 CHINA R. Peking, also 15060, 0115 excel. sig. to NA (Flemens) 0301 Eng ID & nx (Michalenka)
 9770 AUSTRIA Vienna 0030 ID, pgm in Eng to 0038 (Tenenbaum)
 9770 INDONESIA (Java) RRI, Djakarta, Programa Nasional, DJ show 1150 (Wood)
 9765 W. GERMANY D. Welle 2200 nx in Eng, Asia ser; like local (Mitchell)
 9760 GHANA Accra w/local Eng nx 2009; RRI VOA (Poulis)
 9760 JAPAN NSB, Tokyo, stock market 0645 (Wood)
 9755 N. ZEALAND New freq not listed but ancd; s/on 0615-0645 //11780, repl. 9520 (Balbi) Repl. 9520 for this freq. at this reporter's suggestion (Wood) 0700-0715 to Pac. Isles, fair (Oates)
 9745 TURKEY Ankara, ID in Turkish at 1800 (Brunvel) Turk. x 0445 (Wood)
 9740 PORTUGAL Lisbon Home Ser. in Port. w/nx at 1845 (Poulis)

NASWA-FRENDX

SHORTHAUL CENTER

APRIL 1968

- 9730 INDIA AIR, Delhi, Hindi nx 0300 (Wood)
- 9730 E. GERMANY R. Berlin, 0115 w/Eng b'cast (Baines) 0250 Eng. (Richardson)
- 9725 ISRAEL Kol Israel, Eng to Afr. 2015-2030, weak (Barman)
- 9720 SAUDI ARABIA 0345 tuning w/good lvl in Arabic, foll. by ID shortly (Hiblack)
Riyadh, 1330 Arab. ID, nx (Douglas)
- 9711.5 PERU R. Tropical, Tarapoto, s/off 0400; //4937 (Wood)
- 9705 S. AFRICA R. RSA TO MA 0030 repl. 15220//11875; 3/3 (Balbi) 0030 ID, 3RM (Henna)
- 9700 BULGARIA Sofia in Arabic at 2005 (Poulis)
- 9690 CHILE R. Cooperativa, LV de Chile, ID 0210; 0212 "Reportajes", pas ads (S.Kamp)
- 9680 AUSTRALIA VLM9, Melbourne, 0911 Victoria nx (Kagerman)
- 9670 SAUDI ARABIA Jiddah, group chant rel., ID 0350 (Douglas)
- 9660 AUSTRALIA VLM9, Brisbane regional, 0830-0900 fair (Oates)
- 9660 BULGARIA Sofia on seldom used freq in Eng at 2140 (Hiblack)
- 9655 POLAND R. Warsaw, interviews 0315-0345 (Brammer) To MA 0317-0322 talks (Russell)
- 9653 THAILAND Log should be this freq in March; 9635 is mis-print (Wood) Sorry.
- 9650 PAKISTAN Excel. w/Eng nx to Europe at 2000 (Padula)
- 9640 S. KOREA KBS, Seoul, 0910 nx in Japanese, 0917 nx (Haitani) 1100-1100, not Eng
at 1030 as previously (Hall)
- 9635 BRAZIL R. Aparecida, poor w/spoken ID 0149, x IDs 0130; 3RMedout 0136 (S.Kamp)
- 9628 ANGOLA Rádio Clube de Angola, Luanda, full ID 0630 (Wood)
- 9625 ISRAEL IBC comment in Eng w/2130 s/off (Richardson)
- 9625 PERU R. Atlántida, Iquitos, full ID 0300 (Wood)
- 9620 BRAZIL R. 9 de Julho, one of best, 0915. (Padula) 0601-0632, Jam mem, 0632-0700
YL DJ in Jap/Port, ID 0900; has ban on for. lang b'casts been lifted? (Haitani)
- 9620 USSR (As.) Krasnoyarsk, relay Moscow Mongolian ser. 1130 (Wood)
- 9620 YUGOSLAVIA Belgrade, in Arabic 1730, //6100 (Wood) 2214 w/nx (Henna)
- 9615 MOROCCO R.T.M., Arabic nx 0730, //15335 (Wood)
- 9610 AUSTRALIA VLM9 Perth 1300-1345; ABC nx, & W. Austr. nx (S.Kamp) Like local w/horse
race at 1045 (Poulis)
- 9605 GREECE MIDI nitely w/flute at 2259, then anthem; blotto T R 2325 (Poulis)
- 9605 W. GERMANY D-4, 0200 in Ger. (Laveaga)
- 9605 MEXICO R. Universidad de Mexico, 0200, Sp., class. nx (Laveaga) List 9600 (Jd.)
- 9600 UZBEK R. Tashkent, 1200 in nx; no sig. at 1400 (Baines) 20-40 over 8-9;
change from Eng 1230 (Hall)
- 9595 JAPAN NHK Tokyo 0958 nx, 1000-1015 horse race results, in Jap. //6055 (Haitani)
- 9580 AUSTRALIA L. Australia 1251 Eng for MA w/aine here //11710; 3/7 (Kagerman)
- 9578 PERU R. Pucallia, full ID 0300 (Wood)
- 9575 INDIA AIR, Delhi, Vividh Bharati, Ind. son s 0315 (Wood)
- 9560 BULGARIA R. Sofia, new freq. for Sp. 0200 (Laveaga)
- 9555 IRAN R. Bahdad end NH nx in Arabic 1525, into Arabic nx; clear (Churchill)
- 9552 TANZANIA (Tent.) R. Tanzania, Zanzibar 1431-1515 f/o, 2/20 only; care on 2 kc.
higher as Dar-es-Salaam s/off. Islamic prayers to 1500; lang, poss. nx (Graham)
- 9550 TANZANIA R. Tanzania, Dar-es-Salaam, 1350-1430 s/off w/lang nx; see 9552 (Graham)
- 9550 NORWAY Oslo, excel. Eng ID 0304, back to lang 0305, 3/1 (Henna)
- 9545 CHINA R. Peking, s/on German 1800 (Brumel)
- 9540 CONGO D.R. Lubumbashi, native nx 1907; 3RM 43434 (Brumel)
- 9535 INDIA AIR India R., VUB, 1230 Eng nx by YL; 1235 into lang (Hindi?) (Palmer)
- 9525 S. AFRICA R. RSA 0500 ID, into Eng nx (Pestor) 13 hrd 1600 3RMing 9520 (First)
- 9520 KUWAIT in Arabic at 2000, s/off 2030 (Peters) 1445-1510 fade; ID 1503 Arabic.
JEM, but freq. clear at this time (First)
- 9520 PAPUA VLM9, Port Moresby 0600-0715 s/off strg; in clear since RIZ moved (Balbi)
0700-0715, fair (Oates)
- 9515 SICILY RAI/Caltanissetta good to excel. 0400-0530 dly except sun. w/"Notturmo
dal'Italia"; lt nx w/nx Ital./Eng on hr; Pr/Ger on half hour (Jalbin)
- 9510 VENEZUELA R. Barquisimeto, Sp., nx 0130 (Laveaga) Local nx 1130 (Wood) S-5, but
3RM VOA 9525; 1325; is VOA 500 IIR (Jamison) Just 250 IIR list (Jd.)
- 9510 ROMANIA Bucharest, s/on in Eng to MA, 0430 (Wood)

- 9510 RUMANIA Bucharest, s/on in Eng to NA, 0430 (Wood)
- 9506 DOMINICAN REP. RTV Dominicana, returned, meas. freq, hrd 0315-0330 many IDs, excel. lvl (Niblack) Excel. sig, Eng/Sp. IDs 0200 (S.Kamp) Reg. here, clear 1130-1155 (Padula) Ex 0300 (Laveaga) 0035-0200 Eng rel. pgms, nx; Sp. begins 0200 (Thomton) 0144 Eng ID & addr; ID as HISD (Michalenka) Eng 0140 (Jamison)
- 9500 E. GERMANY RFI, 0400 in Eng, comments (Laveaga) 0145 Ger. nx (Aestor) 0100 s/on w/NA ser to 0130, usual, strg. sig. (Russell)
- 9500 USSR (As.) Magadan, local ID 1830 (Wood)
- 9490 ALBANIA Tirana, measured new freq, same old line, 2115 in Eng (Niblack)
- 9480 HAITI Voix de la Rev. noted here 2/11, ID 2132, old American prog (Niblack)
- 9480 USSR Moscow 0345 in Russian (Laveaga) Komsonolsk list ETH (Ed.)
- 9475 EGYPT Cairo, 0100 Sp. nx; 0300 Eng nx (Laveaga)
- 9470 CZECHOSLOVAKIA propaganda in sp., 0345 (Laveaga) Unlist (Ed.)
- 9450 PERU R. América, Lima, full ID 0230 (Wood)
- 9410 C. ILL. R. Peking in Eng, ID 0100 (Baines)
- 9020 CHINA (Tent.) Peking in Asian lang 0100 (Baines)
- 9000 CHINA Peking, Russian, //others, 1840 (Wood)
- 7850 USSR Paz y Progreso, 0415 in Sp; comments (Laveaga) Eur USSR list FBIS (Ed.)
- 7490 CHINA R. Peking, Russ talk 1840, jammed; //7585 (Wood)
- 7480 CHINA Peking, in Arabic 1830 (Wood) 1340 nx Jap; ann. 7.5 Mc. (Haitani)
- 7345 CZECHOSLOVAKIA Prague w/sports nx, etc., Eng 0100 (Baines)
- 7335 CHINA R. Peking, Chinese talk by man 2310 (Precosky)
- 7310 ALBANIA 0130, "This is Tirana", Eng b'cast (Baines)
- 7305 CHINA Peking 1600-1700, Chinese to S. China, Oriental mx; R. Peking can be hrd (Sia)
- 7300 ETHIOPIA V. of Ethiopia, Addis, 0900 w/Sun. orchestra, Eng ID, 2 hrs long (Douglas)
- 7300 E. GERMANY R. Berlin in Eng, 2030 (Baines) 2045 t/i, wk but clear in Ger; 5 KW list (Shaw)
- 7295 MONACO TRF, s/on 0625 w/IS on bells, ID Eng, into Eng rel. (Palmer) Back to Bible 0630 (Wood) Hrd 0645 (Cabral) Also s/on 0725 (Russell) DX 0730 2/17 (Mitchell)
- 7293 ETHIOPIA V. of Ethiopia, 1836 Amharic ID, nx, mx (Douglas)
- 7290 ALBANIA Tirana, NA Ser 0300 //6196 (Wood)
- 7290 INDIA AIR, Delhi, w/local mx; nat. pgm at 1210 (Padula)
- 7286.5 INDONESIA (W.Irian) RRI Sorong, drifting, light songs 0930 (Wood)
- 7285 NIGERIA 1700, V. Nigeria, Ibadan, Eng nx, nx IDs (Douglas)
- 7285 RHODESIA R.B.C., General Service, Eng ads 0510 (Wood)
- 7270 S. AFRICA R. RSA, Eng to Rhodesia, etc., 0500 (Wood)
- 7269 INDONESIA RRI outlet, seemingly new, freq measured; strong w/mx 1145-1200, ID by M, 2/25; at least 50 KW, maybe 100 (Niblack) Jakarta list 7271 in '65 (Ed.)
- 7260 ETHIOPIA V. of Ethiopia, Addis Ababa, 1825 Tigre lang talk, ID, nx (Douglas)
- 7259 ALBANIA Tirana, drifting, s/on in French 0500 (Wood) Eng 0320 (Richardson)
- 7250 SINGAPORE R. Singapura good nitely w/Malay pgm 1155 (Padula)
- 7245 AUSTRIA OEI33, IS & ID, Sp 0530; excel. sig (Mitchell)
- 7245 ETHIOPIA R. Voice of the Gospel, Swahili 0330-0400; lt. mx & comment. (Sia)
- 7215 TAIWAN Armed Forces, nx on hr; side QRM R. Australia 7220 at 1100 (Padula)
- 7215 INDIA AIR Delhi, Eng, YL anc. 2200 (Baines)
- 7210 INDIA AIR, Calcutta, local songs 1200, mixed USSR H/S (Padula)
- 7205 MOZAMBIQUE R. Pax w/Afr vern. pgm, mx 1551, hvy ARO/QRM. Consistent but wk (Churchill)
- 7200 CHINA(?) R. Peking s/on Eng 0300 (Baines)
- 7200 MALAYSIA R. Malaysia; good sig in Malay Ser at 1030 (Padula)
- 7200 TAIWAN "Voice of Righteousness" s/on 1100 w/anthem, call-letters in Eng by YL; then pgm in Cantonese; severe jamming at times (Padula) Mandarin talk pgm 1518-1611, intermittent jamming (Churchill) 7199, Chin. mx & talk 1500 (Sparks)
- 7195 RUMANIA Bucharest, 1830 Eng w/tlk & flk mx (Baines) 2256 s/off Eng (Precosky)
- 7195 USSR Tula list, from 0200, R. Moscow svc, IS, pips; is it Tula? (Niblack)
- 7190 AUSTRALIA R. Australia, 0830, Eng nx 0900-0915, strong (Sia)

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- 7185 S. AFRICA SABC, S.W.A. Ser., Afrik nx 0445 (Wood) S/on 0430 Eng ID (Hagerman)
- 7180 IRAQ Arabic 0415, 2/25 (Cabral)
- 7170 NEW CALEDONIA R. Nouméa, M. ment "Nouméa", ID 0759; pgm w/studio audience(S.Kamp) Plays, skits, etc., vy strg; positive IDs, off about 1100 (Hall)
- 7165 ANGOLA Rádio Clube do Huambo, Nova Lisboa, s/on 0500 (Wood)
- 7165 RYUKYU IS. VOA/Okinawa 1025-1050, Eng poor (Hagerman)
- 7160 MALAYSIA (Sarawak) ID at 1145 as "This is R. Malaysia-Sarawak" (Padula)
- 7160 MOROCCO VOA/Tangier, resuming at 0500, then into Bohemian (Peters)
- 7154 MALAGASY REP. Tananarive, Maögasy anmmts. 0305 (Wood)
- 7149 ANGOLA Rádio Comercial, Sá da Bandeira, s/on 0558 (Wood)
- 7130 E. GERMANY RBI, w/ID & freq ancd in Eng at 2040 s/off (Poulis)
- 7130 TAIWAN Dly, 1030, 0200 Dragon Show, strg. (Hall)
- 7125 CHINA/ALBANIA(?) Peking, Sp to LA 0300, SISO 24323. These b'casts show Eur-type polar flutter here, about S-4, while ECNA hears them S-9+40. (Wood) 0330 selected readings; strong!(the sig., not the readings)(Poulis)
- 7125 GUINEA R. Conakry 0645 in clear w/ID ancr in Fr (Palmer)
- 7123 ALBANIA Tirana, Eng to Afr 0430 (Wood)
- 7122 SOMALI REP. R. Somali, Hargeisa thru BBC Malaysia QRM 7120; Chimes at 1500 s/on Somali mx to 1530, nx in Somali 1530 (Churchill)
- 6995 CHINA Peking in Burmese 1030 (Wood)
- 6973 CHINA Huhehot, Mongolian talk 1050 (Wood)
- 6955 CHINA Peking, nx 1340, 0935 Jap; ann. 7.0 Mc., //7480 (Haitani)
- 6940 CHINA Ulan Hot, Chinese songs 1055 (Wood)
- 6540 N. COREA R. Pyongyang, 0905 nx in Japanese (Haitani)
- 6218* TUNISIA Tunis(tent.) closing 2330A 3/5 new freq; usual Arabic (Niblack)
- 6208 ALBANIA New freq; s/on 2030 w/anthen, into Russ; listed 6120, not hrd (Padula) 6210, to NA 0130, prop. (Klemens)
- 6200.5 PERU R. Cuzco, ID, s/off 0411; beware confusion (Wood)List prev. 6220,6128(Ed.)
- 6200 PERU R. Huamanga, full ID, s/off 0400 (Wood)V. de Huamanga list 4815; this it?(Ed)
- 6200 ALBANIA R. Albania w/Eng, 0030 (Baines) 6200.5 Albanian songs 0153; close w/ "Int'nat'lle" 0153 (Hauser)
- 6200 SYRIA Damascus, call to Prayer 0411 (after Cuzco off)(Wood)
- 6198 CLANDESTINE La Voix du Pathet Lac, talk in good Fr 1500 (Wood)
- 6196 ALBANIA Tirana, Eng nx to NA, 0300 (Wood)
- 6195 BRAZIL Emis. Continental, Rio, 2300 sports (Field)
- 6195 CHILE R. Corporación, Santiago, nat'l nx (not on 6190) 1000 (Wood)
- 6195 HAITI R. Haiti, s/on 1200; also speech at 0230 (Field)
- 6195 TUNISIA RTV Tunisienne w/Arabic ID 0545, Arabic nx & mx, s/off 0600 (S.Kamp)
- 6190 DO. MINOR REP. La Voz de la Libertad s/on dly 1100 w/"Radio Noticias" (Field)
- 6190 W. GERMANY Radio Bremen s/on 0658 w/IS, opening anmts in Ger; alternat anmts male/female ancrs & lt mx from 0710; weak but readable (Calkin)
- 6175 MALAYSIA Kuala Lumpur dly, fabulous thru Feb; 1100-1230 lang (Hall)
- 6173 COLOMBIA R. Valledupár, measured, from 0330 chex, many comm'ls, move up the band (Niblack)
- 6156 URUGUAY R. Carve, Montevideo, full ID, s/off 0400 (Wood)
- 6155 AUSTRIA OR, Vienna, to NA, Ger 0135, nx (Klemens)
- 6155 IRAQ Baghdad w/HS 2040A, Arabic songs & anmts; QRM VLR6 6150 (Padula)
- 6155 JAPAN FEN, Tokyo, Eng 0712; very early rxn (Palmer) 1400 nx (Haitani)
- 6155 NIGERIA(E.) V. of Biafra hrd 0512, nat. mx, tlk, spec. anmt for a fallen Biafra commander. Nice lvl, but deep nat. voices hard to read(Dexter)New freq? (Ed.)
- 6150 CHILE La Voz de Chile, back after drift, s/off 0508 (Wood)
- 6150 S. AFRICA Fair at 0059 w/Eng ID (Wenna) R.S.A. All-Night Ser, on Springbok freq
- 6140 SPAIN RNE, IDing in Sp at 2053, bad het. (Poulis) To Eur.
- 6140 BURUNDI Bujumbura, Kirundi talk 0410 (Wood)
- 6140 ALBANIA Tirana, neas., Eng 0310, up from 6135 (Niblack)
- 6135 INDONESIA RRI Samarinda(Borneo) nx from Djakarta, then ID & s/off 1523 (Sparks)

- 6130 LAOS Rdf. Nat. Lao thru SFE outlet cO-channel s/Lao instr. mx & W ann. 1417-1444; s/off w/instr. anthem 1445. Peking or Japan HS also on freq (Churchill)
- 6127 CONGO D.R. Luluabourg, African melodies 0410 (Wood)
- 6120 ARGENTINA R. El Mundo surprisingly loud & clear at 0000 (Field)
- 6120 MEXICO R. Tapachula, 1200 w/request pgm after 4VEH drifted out (Field)
- 6115 COLOMBIA LV del Llano, hrd after R. Tupi s/off 0200A; freq IDs (Field)
- 6115 PERU R. Union, Lima, s/on xylophone IS & bullfight type march 1100 (Churchill)
- 6110 GHANA Accra, 2055 Eng interview by YL (Douglas)
- 6110 MALAYSIA BBC, Tebrau, open, into Eng by Radio 1345 (Wood)
- 6107 SOMALI RE. Mogadishu w/Arabic chanting 0335; fair/good (Calkin)
- 6103.5 HAITI LV Rev. Duval. lt. mx 0245, ID & addr. 0301; class. mx 0303 (Hauser)
- 6103 INDONESIA V. of Indon., Jakarta end nx Eng 1128, good lvl (Churchill)
- 6103 TAIWAN V. of Chinese Air Force, Taipei, Chinese ID 1500 (Wood)
- 6100 YUGOSLAVIA R. Beograd 2205 Eng ID & more nx; 2215 Fr (Michalenka) Open in Arabic 1730 (Wood)
- 6100 USSR(As.) R. Moscow, nx Korean 1330; nx Jap 1402; Vlad? (Haitani) Or Khab.(Ed.)
- 6095 IRAQ Baghdad w/Eng 1930 (Baines) Fr 2141-2200 s/off (Hagerman)
- 6090 AUSTRALIA VLI6, Sydney, sports rpt 0810, ABC nx 0900, fair (S.Kamp)
- 6090 CAMBODIA R. Nat'l Khmere 2330 t/i, lingc, reg hrd, but str varies (Shaw)
- 6090 DOMINICAN REP. HISD, Eng ID/Sp ID, 0030 (Calkins) Full ID 0400 (Wood) Eng talk on Sp flk mx 0045; ancd 3125, 9505 (Poulis)
- 6090 MEXICO XECHT, R. Manté, 1300 after R. S. Dom. TV drift out (Field)
- 6090 USSR(As.) Vladivostok end local "Chaika" pgm, into Moscow relay 1500 (Wood)
- 6085 CONGO D.R. Kisangani, Afr rhythms 0405 (Wood)
- 6085 W. GERMANY Munich regional w/tlk in Ger at 2120, reg hrd (Padula)
- 6082 PERU R. Nac. del Peru, Lima fair to good w/Sp, lt mx 0100-0230; hvy JRM de Ned. 6085 (Calkins)
- 6080 ALGERIA Algiers, mx in Fr, not Kabyl, 0745 (Wood)
- 6075 ITALY RAI, new freq, bird IS 0415 (Wood)Nx Eng, IS 0350 2/9 (Richardson)
- 6070 BULGARIA Sofia w/ham nx in Eng 1930 (Baines)
- 6070 CHILE R. Soc. Nac. Minería excel at 1200 w/nx; many IDs (Padula)Unlist WRTM/68!
- 6067 COSTA RICA R. Reloj, San José, now here, IDs, time chex 0645; ex-6207-8(Wood) Checked after logging 4th Harm 24265; 0008 sports, ID 0034; JRM KEXG(Hauser)
- 6065 SWEDEN Hörby, 2050, Eng nx & ID (Douglas)
- 6060 ENGLAND VOA/Woolferton 2045, jazz hour (Douglas) Was to USSR; now to Eur (Ed.)
- 6055 JAPAN NSB, Tokyo, 0705 in Japanese; sounded like "beisuboru" game (Palmer)
- 6055 RWANDA R. Rwanda 0325 s/on, IS Afr instr, anthem ID nx in lang, Afr mx until VOA comes on just before 0400 (Sparks)
- 6040 COLOMBIA LV del Tolima, Ibagué Todelar nx 0315 (Wood) Net nx (Ed.) ID in Sp 0044 (Poulis)
- 6035 LIBERIA VOA/Monrovia, 2105 Eng nx, ID (Douglas)
- 6032.5 BURMA BBS, Rangoon, political speech 1340 (Wood)
- 6030 PHILIPPINES DEH6, FEBC 1400 Eng Rel. pgm, irr. hrd; ID 1430, 3/6 (Balbi) Organ mx, Tagalog relig. 1000 (Wood)
- 6025 PORTUGAL Em. Nac., Lisbon, 0722 Fr, //7130 (Palmer)Sked on 5985//7130//9635 at this time, to Eur (Ed.) 0215 in Eng (Cabral) 0203 to NA (Russell) R. Safari begin 0214 on 2/27 GMT (Poulis) Thesday GMT (Ed.)
- 6020 MEXICO XEUW, El Eco de Sotavento 0505 ID; hrd reg (Palmer)
- 6020 PERU R. Victoria, Lima, LA mx & lots of IDs, 0630 (Sparks)S/on early as 1040, to 1130 s/on XEUW; s/on complete ID & IS of Beethoven's 5th; thot it was Port. (Field)
- 6015 IVORY COAST R.TV Ivoirienne, 0722 w/Fr lang, Afr mx; zero-beat someone else, but on top (Palmer) S/on 0630 Fr (Cabral) 1923 lang nx, ID (Douglas)
- 6010 CANADA CJCK, N.S. 0107 Eng country mx pgm (Michalenka)
- 6005 S. AFRICA SABC Afrikaans Ser., s/on 0430 (Wood)
- 6005 W. BERLIN R.I.A.S. hrd from 0650 w/waltz mx pgm, Ger anmts; fair to wk(Calkin) Wood's Mar.W.GERMANY logging should have been W.BERLIN; sorry (Ed.)

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- 6002 SWAN IS. R. Américas 0507 nx; extra 2 Kc from VOA 5995 helps readability (Palmer)
- 5995 COLOMBIA Voz del Pueblo, Pereira, 1030 nx, ID 1200; ID "R. Centro Populare, La Voz de Pueblo", same as hrd before on 6118 (Field)
- 5990 SWEDEN R. Sweden w/DX nx in Eng 003-0100 (Baines)
- 5987A INDONESIA (Celebes/Moluccas) RRI Manado, Indon. songs until ID & 1500s/off (Sparks)
- 5985 ARGENTINA R. Splendid "splendid" w/nx in Sp opening just after 0000 (Niblack) 0930A w/Sp comm'l pgn & nx; faded 1015 (Padula) 1020 nx (Field)
- 5981 PERU R. Panamericana, Lima, nx in Sp 1145 (Wood)
- 5980 GREENLAND Feb. 5-8 w/Celeste IS at 1028, then Danish B/C w/11 & W. Blocked by Peking s/on 5975 1100; not hrd since (Padula)
- 5980 GUYANA ZFY, Demerara, ID 1048, Eng ads, time chex, nx 1115 (S.Kamp)
- 5970 CANADA R. Canada in Northern Ser; NHL Hockey from Madison Sq. Garden (Pestor)
- 5960 FRANCE ORTF Paris w/Fr to S. Pac., hrd 0617-0640 t/o (S.Kamp) Sked to 0630 (Ed.) //11845 this time; QR Delano 5965 (Palmer) VOA now Tanquer (Ed.)
- 5960 USSR (As.) 1401 s/on Japanese "This is R. Moscow" (Haitani) SFE, Vlad. or Khab. (Ed.)
- 5955 BRAZIL R. Gazeta 2338-0028 w/pops, many IDs, excel sig (S.Kamp) This & 15325 listed inactive in FBIS (Ed.)
- 5955 COSTA RICA TIQ, R. Casino 0455, Eng, old NA pop records & ads (Palmer) 0500 in Eng (Cabral)
- 5946.5 ALBANIA Tirana in Polish at 0530 (Peters)
- 5940 USSR (As.) Magadan list, 0647 Russ/Moscow relay (Palmer)
- 5925 PERU R. Puno, mx, IDs, 0345 (Wood)
- 5880 HONDURAS H.R.M., Tegucigalpa, full ID, s/off, 0500 (Wood)
- 5810 PERU LV del Altiplano, Puno, ID 0330 (Wood)
- 5183 PERU R. Atlántida, Iquitos, romantic mx 0420 (Wood)
- 5095 COLOMBIA WJCC//WJCC 5075, R. Bucatanza, 1030, phen. 8-9+40db and clear (Palmer)
- 5076 CEYLON Ceylon BC Corp w/Sandhya bevasa svc w/pgm Ceylonese mx 1516-1529 H. talk 1530. Hrd to past 1545, unusual (Churchill)
- 5075 COLOMBIA WJCC 0300, 2/23 (Cabral)
- 5075 CHINA R. Peking 1225, Chinese opera (Palmer) (Tent.) Oriental opera 1315 (First)
- 5060 REP. OF S. YEMEN S. Yemen Bc. svc, H talk to 1445, Arabic vocal/instr. mx 1446 & after 1504; peak sigs now before 1500 (Churchill) 0600 Arab ID, mx, tlk (Douglas)
- 5055 BRAZIL R. Cultura de Guibá w/mx & arnts to 0103 s/off (Dexter)
- 5054 USSR (As.) Chita, Mongolian mx 1000 (Wood)
- 5050 VENEZUELA R. Cultura, Caracas back after drift s/on 0958 (Wood)
- 5045 COOK IS. Rarotonga good lvl, anth: 0834, close down 0836, carrier on to 0848 (Churchill) 5043, ZK5, Maori mx & tlk 0740, no WFF, 2/6 (Sparks) Delay BBC 0540 (Wood)
- 5042 ANGOLA R. Clube de Benguela w/pops, closing arnts, s/off 2304A by H. and anthem; prob. last time this l. outlet will show this season (Niblack)
- 5040 BURMA BBS, Rangoon, H anc. w/Eng, country mx 1520-1530 (Palmer) Eng nx 1500 (Wood)
- 5040 GEORGIAN SSR Tbilisi, Georgian songs 1745 (Wood)
- 5040 TANZANIA R. Tanzania comm'l. ser. 1740; BIN 0 44333 (Brunnel) 5050 list (Ed.)
- 5040 VENEZUELA R. Maturín, s/on, N. Anthem 1000 (Wood)
- 5035 CENTRAL AFR. RL. Bangui, Fr. talk 0500 (Wood)
- 5035 UZBEK SSR Tashkent, Uzbek talk 1510 (Wood)
- 5030 CHINA R. Peking, Hindi talk 1340 (Wood)
- 5027 COLOMBIA Transmisora Caldas, many time chex, ID & RCM at 0600; 8-7 & clear (First) Lx-5020, RCM ID 1030 (Wood)
- 5018.5 PERU R. Juliaca, full ID 0430 (Wood)
- 5016 USSR (As.) SFL, Vladivostok 1033 Russ; 8-9+40 (Palmer)
- 5010 PERU R. Ico, Iquitos, ID, time check 0400 (Wood)
- 5005 CAMBODIA R. Phnom-Penh, ID by YL Fr. 1457, ID by M. in Eng. Cambodian by YL, foll. by anthem 1458 and s/off (Churchill)
- 5005 PERU R. Jaén s/off 0445 (Wood)
- 4994 SUDAN Cadurman, Arabic nx 0431 (Wood)
- 4990 NIGERIA R. Nigeria, Lagos 2159, H. talk after ID, CD arnt. (Facerman)

- 4990 CHINA Changsha, Hunan J.H.K.P.T.T. 1217, Chinese exhortations (Palmer)
- 4985 BOLIVIA La Cruz del Sur now s/on 1000; well hrd w/ID Sp. at this time (Padula)
- 4984 ANGOLA Rádio Ecclesia, Luanda, full ID 0542 (Wood)
- 4980 GHANA Accra 0400 in Eng, 2/20 (Cabral)
- 4980 VENEZUELA Ecos del Torbes great sig., s/on 0955, still hrd 1130; many IDs (Padula)
- 4972 ECUADOR R. Tarqui, Quito, s/off 0400 (Wood)
- 4970 ZAMBIA R. Zambia, Lusaka, Eng DJ show 0415 (Wood)
- 4966.5 COLOMBIA R. Santa Fé, drifting, tangos 0400 (Wood)
- 4965 S. AFRICA SABC Eng Ser., Eng nx 0500 (Wood)
- 4950 MALAYSIA Sarawak, Kuching, at 1430 local Eng nx, good 3/12 (Balbi) Eng 1430 (Cabral)
- 4950 VENEZUELA R. Coro, LA rx & ads at 0030 (Peters) 1 KW (Ed.)
- 4945 COLOMBIA R. Colosal, Neiva, excel. w/nat. nx, IDs, C709-0730 (S.Kamp)
- 4940 UKRAINE SSR Believe this genuine Kiev outlet; noted 0530 ID in Russ; fair lvl on better nites (Niblack) Listed WRTH/68 for regional pgms //6020 (Ed.)
- 4937 PERU R. Tropical, Tarapoto, s/off, anthem 0400 (Wood)
- 4936.5 BRAZIL Lins Rádio Clube, ID "Ouvem R.L.C." 0900 (Wood) ZYR248 list inactive; 1 KW
- 4932 NIGERIA 2135, Benin(?) Eng, nx (Douglas) 0611, Eng, songs, ads (Hagerman) 10 KW
- 4930 DOMINICAN REP. R. Mil, 0400, time chex after each song; s/off 0500 (Peters) ID 0432 "R. Mil en S.D.", vocal nx pgm; slow B.T t-chex (auser) 0432 ID (Precosky)
- 4922 ECUADOR R. Quito 0232 good, "TV de la capital" (Javison) hrd in Sp. 0330 (Precosky)
- 4920 INDIA AIR, Madras, local s/off in Tamil, Nat. Anthem 1730 (Wood)
- 4915 GHANA Accra, highlife rx 0630 (Wood) 0600 Eng (Cabral) 2300 anthem, Eng ID, off. (Hagerman)
- 4915 KENYA V. of Kenya vern. pgm, Afr. pops 1446; time pips on quarter; lang after 1516 more like Swahili, by W. (Churchill)
- 4912.5 DOMINICAN REP. R. MIN, Santo Domingo, full ID 0500 (Wood)
- 4904 CHAD Excel. 2000A w/Afr. songs, Fr. arnts (Padula)
- 4897 PERU R. Chanchamayo, La Merced, announcing "4895", s/off 0405 (Wood)
- 4895 BRAZIL Rádio Baré w/US standards & IDs; brief nx 0209, off at 0213 (Dexter)
- 4895 COLOMBIA La Voz de la Victor, 0528 ID, LA nx, poor (Hagerman)
- 4891 HONDURAS Radio Ix w/W. ancr, nx sel; apparently W. intro records, M. give recorded sta. breaks; hvy QRM de YVKB (Dexter) Pop nx, good IDs, s/off 0200 (Peters)
- 4891 PERU R. Villarica, Huancavelica, ID, Peruvian nx 0500 (Wood)
- 4890 PAPUA VLT4 1300 time chex & BBC WS/nx (Michalenka)
- 4886 BRAZIL Radiodifusora do Acre, Rio Branco, time check in EST 0400 (Wood)
- 4885 NIGERIA (E.) 2100 R. Biafra, Eng rel. pgm, drama, ID 1 nx 2200 (Douglas) from 4855?
- 4882 DOMINICAN REP. R. Comercial, Sto. Domingo, "Notitiempo" 1115 (Wood) 0500 ID (Hagerman)
- 4880 INDIA AIR, Lucknow, talk in non-Hindi lang. 1230 (Wood)
- 4880 VENEZUELA R. Universo from 0245 tuning, ID, typical LA format (Niblack) Many IDs, time chex; s/off 0359 (S.Kamp) 1104, Sp. ID (Hagerman)
- 4876 ECUADOR LV de Esmeraldas, Ecuad. nx 0415 (Wood)
- 4875 BRAZIL Rádio Jornal do Brasil, Rio, Portuguese commercials 0840 (Wood)
- 4875 AFGHANISTAN Kabul, local nx w/ID at 1900; list Mar. 2 (Brummel)
- 4872 INDONESIA Sorong at 1240, nx lang; one of more consistent RRI reg. here (Niblack)
- 4870 DARGHEY Cotonou, Fr. time-check 0615; shift to 4875 temporary, used for yrs. (Wood) 0630 in Fr. (Cabral) Class. nx, ID Fr., anthem, off 2200 (Hagerman)
- 4865 BRAZIL R. Clube do Pará w/pop nat. nx; arnts 0253, anthem, off 0257, long s/off (Niblack)
- 4865 INDONESIA (Celebes/Moluccas) RRI Ambon, 1t nx 1015 (Wood) Ambon, Maluku.
- 4860 VENEZUELA R. Maracaibo at fine strength to past 0500 (Dexter) LA nx 0400; Emis. Cadena Nacional (Peters)
- 4855 BRAZIL Radiodifusora Taubaté, ID 0830 (Wood)
- 4855 COLOMBIA R. Neiva fair lvl, many IDs 0335A, ads (Niblack)
- 4855 MOZAMBIQUE L. Marques 0330//11780 for short time, then goind down-hill (Niblack)
- 4850 MAURITIUS IBC Forest Side 3/1 w/Fr. nx by gal at 1505, hvy Ute QRM, fair lvl. (Churchill)
- 4850 UZBEK SSR, Tashkent, Russ. talk, 1240 (Wood)

- 4845 COLOMBIA R. Bucaramanga w/travelog in Eng. Med. ENT 0345, reg feature (Hiblack)
 4840 INDIA AIR Bombay w/Hindi vocal/instr. mx at 1517 (Churchill)
 4831.5 THAILAND TBC Sta., 1215 t/i, vy wk in HS; positive ID, checked by linguist; QRM de Soviet (Brevan?) (Shaw)
 4830 THAILAND H3MB Bangkok, HS w/W. talk Thai, good lvl; less QRM than usual (Churchill)
 M.B.3. Bangkok, Thai talk //6070, 1130 (Wood)
 4825 TADZHIK SSR Ashkabad, Persian talk 1715 (Wood)
 4820 ANGOLA Emissora Oficial, s/on 0500//6025, 7235 (Wood) 0503, IS, Port. ID (Hagerman)
 4820 HONDURAS H3VC 0300 s/on Eng, into "Songs in the Night" (Michalenka) 1132 hymns, Sp. (Hagerman)
 4820 INDIA AIR, Calcutta, local mx 1644 (Brummel) Indian songs 1715 (Wood)
 4813 UPPER VOLTA Ouagadougou, Fr. talk 0630 (Wood)
 4810 VENEZUELA R. Popular, YVFC, Maracaibo, Pepsi ads, ID 0457 (S.Kamp) S/on 1000, do not confuse! (Wood)
 4808 ECUBOR R. Popular, Buena, new, unlisted, rmi full IDs 0930 (Wood) 4807, seems to be new, ID "Radio Popular, La Voz Americas"; fiesta mx, hvv RTTY/QRM 0700, 2/25 (Sparks)
 4805 BRAZIL Radiodifusora do Amazonas, Manaus, s/on w/anther 1000 (Wood)
 4800 INDIA AIR, Hyderabad w/Hindi mx at 1513 (Churchill)
 4795 CONGO REP. Brazzaville, Eng mx 0515, into Fr. 0530 (Hirst) (Wood)
 4795 DOMINICAN REP. Onda Musical, Sto. Domingo, "Motivonda" 1100 (Wood) Pop mx & ID 0300 (Sparks) 4794, full ID, s/off 0432 (Hirst)
 4790 ECUADOR R. Atalaya, Guayaquil, "futebol" on a Sat. at 0200; s/off 0600 (Peters)
 4785 PERU R. Horizonte, Tingo Maria, full ID 0330 (Wood)
 4781 INDONESIA (Sumatra) RRI, Djambi, Indonesian mx 1400 (Wood)
 4780 AFAR & ISSA TERR. R. Djibouti w/Arab mx, ID, talk, good, 3/1 (Douglas)
 4780 VENEZUELA LV de Carabobo 0100, mx & ads (Peters) Pops, ID, 0300 s/off (Sparks)
 4783 COSTA RICA R. Popular, ID 0445, QRM (Hirst) 0602 ID, ann. freq. 4750 (S.Kamp)
 4772 ECUADOR ID for R. Tropicana de Guayaquil 0527 & 0536, 3/6; abrupt off 0615 (Hirst) 4770, apparently new, ID R. Tropicana; pop mx & ID 0530, 3/6; app. Quito (Sparks)
 4770 LIBERIA RIMA, rel. in Fr. 1936 (Brummel) 0630, W. Afr. ser. (Wood)
 4765 BRAZIL R. Santana, Port. songs at 0130; s/off 0200 (Peters)
 4763 MOZAMBIQUE L-11, new freq. for Eng rel. pgn, 2000-2050; //3373, new freq (Padula)
 4678 ECUADOR R. Nacional Espejo, Quito, drama 0330 (Wood)
 4657A LAOS (?) Voix de Patet Lao hrd here //6199 w/Fr. at 1500, 2/16 (Sparks)
 4635 TADZHIK SSR Dushanbe, positive ID 2056, no Russ. (Hirst) off 2058 (Douglas)
 4620 CHINA R. Peking, in Lao-type lang 1000 (Wood)
 4610 USSR (As.) 1250-1305 in Russ., lite mx; list as Vladivostok or Khabarovsk (Hiblack) 1210 Russ; weaker than 4465 (Palmer) Vladivostok, Russ. talk 1000 (Wood)
 4600 NEPAL 9LB7 Kathmandu 3/10 w/3-3 sig, easy copy w/Nepali vocal/instr mx, W. anc. QRM 1445. Sked now 1320-1520 from 2/15 - 11/15 (Churchill)
 4485 USSR (As.) Petrovlovsk-Kanchatki 1210 Russ., hvv Russ. class. mx (Palmer) Russ. songs 1000 (Wood)
 4460 CHINA R. Peking, IS 1200, HS Chinese. In Korean 1145A (Palmer)
 4395 USSR (As.) YAKUTSK ASSR (per NGS-Ed.) Yakutsk, Russ. talk 1005 (Wood) Largest ethnic Autonomous Republic (Ed.)
 4380 CHINA IL, Poochow, Chinese opera 1010 (Wood)
 4020 CHINA R. Peking 1144 Korean & martial mx; Peking IS 1200, more Korean (Palmer)
 3995 SOLICOR IS. VJ04 3/8 w/BBC mx relay 0910, very clear, strongest ever (Churchill)
 3975 ENGLAND BBC European Ser IS 0555 (Wood)
 3954 W. GUMBIY RFE, 2100 t/i, down 2 kc from list 3956; lang (Shaw) List 3960 now.
 3935 NYUMYU IS. VOA/Okinawa, Korean mx 2135 (Brummel) List RTH/68; not on VOA list.
 3925 JAPAN JOE, Tokyo, 1330 2/28 (Cabral)
 3925 PAUL VLB 3 Port Moresby over JOE Tokyo w/Austr. nx 0214, 3/8 (Churchill)
 3910 JAPAN RRI, Tokyo, 1235 Eng; still here after 11 yrs. (Palmer)
 3903 NE ZEMBEDES Port Vila, Pidgin mx 0710 on a Tues., s/off 0710 (Wood)
 3875 INDONESIA (Java) RRI, Bogor, local ID 1130 (Wood)

- 3396 VENEZUELA R. Universidad, nx in Sp. 0355; ID, s/off 0401; local quality, no
het, 3/9 (Hirst) Sp. ID 0223, S-9 (Jamison)
- 3396 RHODESIA 0402, Swelo revealed 3/9 when Universidad's carrier off; fair lvl, but
RTTY bad; nx & wx, DJ show, ads, Eng. (Hirst) 3/7, pop mx & Eng annts 0415 (Sparks)
- 3390 ECUADOR R. Zaracay, 0446 "Andean" Indian mx; ID twice hrd. Can't buy 2000 for
this one (Palmer) WRTM/68 lists 1 KW for this one now (Ed.)
- 3385 CEYLON R. Ceylon, Colombo, Sinhala talks, mx 1430 (Wood)
- 3385 FR. GUINEA ORTF Cayenne, w/Fr. pop mx thru Rabaul 0924 good lvl, 3/8 (Churchill)
- 3385 NEW BRITAIN IS. VLSB excel. 3/8; Pidgin 0859; QRM from Cayenne after 0915.
Highest sigs hrd for Rabaul. (Churchill) Rabaul, 1148, fair lvl, QRM (Jamison)
- 3385 VENEZUELA R. Barcelona IDing in Sp. 0228 amid RTTY (Foullis) ID before 0356 s/off
for R. Rambos; net outlet? Lots of doorbells (Hirst) S-9+40, 0230 (Jamison)
- 3380 NIGERIA W. Nigeria Ec, Ibadan, 2018 Eng nx, ID by YL, first Aid lesson (Douglas)
- 3377 JAPAN NHK 2nd pgn, Osaka, Eng lesson 1015 (Wood)
- 3375 INDIA AIR, Gauhati w/Indian mx 1458, ID 1500, foll. b- nx or actuality by H/W.
No QRM from Djambi, 2/22 (Churchill)
- 3375 INDONESIA RRI Djambi YDK7 2/25 QRMing Gauhati w/Indonesian songs 1445- hrd past
1500, dominates the channel lately (Churchill)
- 3365 VENEZUELA R. Occidente, Tovar, local ads 1025 (Wood)
- 3355 INDIA AIR, Kurseong, Eng talk 1545 (Wood)
- 3355 INDIA AIR Hyderabad w/1. in vern. 1454, nice lvl, 2/25 (Churchill)
- 3355 NEW CALIFORNIA Nouméa on 3/9 w/Fr. song by gal 0228; nice lvl, QRM (Churchill)
- 3350 GHANA Accra 2047 Eng talk, ID; also on 3366, not // (Douglas)
- 3346 ZAMBIA R. Zambia, Lusaka 2022 Eng, OM anc. ID; "Pop Mar." from Cologne (Douglas)
0401-0415 Eng nx, time, pops, poor (Hagerman)
- 3345 INDONESIA YD 2 Pontiniak excel. lvl w/Moslem nx 1452 in anc., consistent. Call
list YDWA in error in WRTM (Churchill) Good w/speech at 1320, Islamic prayer 1330
(Hirst) Also hrd same day by Jensen in Wis; great conditions!
- 3335 TAIWAN BCC Taipei 2/25 w/W. anc., march nx 1428; pgn in Chinese (Churchill)
- 3335 NEW GUINEA VLSB Newak excel. 3/8, w/country/western nx 0854, vern. pgn (Churchill)
1150, poor sigs, 2/16 (Jamison)
- 3326 NIGERIA N. Nigeria BC, Kaduna, 2045 Eng interview, ID (Douglas)
- 3320 N. KOREA Pyongwang, soloist w/piano, 2nd. pgn sked; ID 1432, cont. Korean
(Palmer)
- 3315 MARTINIQUE ORTF, 0118-0215; ID 0202, QRM'd out 0215 (S. Ramp) Fr. ads 1020 (Wood)
- 3306 RHODESIA RBC, ann. Afr. ser., on 4 occasions; 0356 past 0415, Eng (Hagerman)
- 3304 PAFUA VLSB Daru 3/8 Hawaiian mx 0953, vern. pgn S-5, best ever (Churchill)
- 3284 FIJI IS. VRI9, Hindi mx 0740, 3/2 (Sparks)
- 3277 INDONESIA YDD Jakarta 2/25 w/pop Indon. nx 1420; also hrd since (Churchill)
- 3270 CHINA R. Peking Eng to S. Asia 1500 (Wood)
- 3265 GUYANA R. Demerara weak in Eng at 0205, RTTY/QRM (Jamison)
- 3250 S. AFRICA R. S. Afr. in Com Svc w/ads, pops, Afric/Eng, tremendous 500 mx lvl
3/3, 0210-0240, one ID (black) All Hite Svc rolling in at S-7, little QRM (Jamison)
- 3245 S. AFRICA R. Springbok in Eng 0400 s/off, 3/2 (C bral) AN Svc; Spr. has 0500 s/on.
- 3245 VENEZUELA R. El Libertador, Caracas, Sp., lt mx, good sig. (Palmer)
- 3242 IVORY COAST R. Abidjan, 2100 Eng pop mx, Fr. anc. (Douglas)
- 3235 PAPUA New station VLSB "Radio Milne Bay" at Samarai; s/off 1033 w/GST. Fair
lvl, pops, f/i 1000. Eng/nat. annts; QRM Fiji 3230. Trx is used for CW link
w/Port Moresby in daytime; 2500 assured (Padula)
- 3230 FIJI IS. VRI8 3/9 w/fantastic S5 sig & perfect copy; 0810 interviews, ABC nx
relay 0900, ads (Churchill) Sports nx in Eng 0720 (Sparks) 0800 Eng nx, seldom hrd
due QRM; 3/2 (Balbi)
- 3222 MAURETANIA R. Mauretania, Nouakchott, 1850 lan mx, nx, ID 1902 (Douglas)
- 3220 N. KOREA Pyongwang hrd 1000, 1400 in land, good sig. (Balbi)
- 3220 CHINA R. Peking Chin. HS, 1503 nearly buried under TTQRM (Palmer) Mao talk in
Chinese 1550 (Wood)
- 3205 INDIA AIR, Lucknow, Hindi talk at 1550 (Wood)

NASVA-FRENDX

SHORTWAVE CENTER

- 3204 NIGERIA NDC, R. Nigeria, Ibadan, 1850 mx, talk, lang(?) (Douglas)
- 2795 N. KOREA (Tent.) 1435-1500 s/off Korean; orgg similar to 3320 not//; could this be 1st. pgn down from 2850, not audible? S/off w/anthem 1500 as sked. (Palmer)
- 2390 MEXICO XEJN 0216 partial ID "Sistema educativa..desde..Juayacoctla, Veracruz". Arithmetic lesson by YL; sked 0130-0230 (Hauser)

!!! IDENTIFIED !!!

- 9655 Japan, HS relay; N.B.S. Bangkok is on 9653; not ECC (Wood)
- 6172 Colombia- R. Villedupar, HJDD, AMW UNID. in Dec. (Field)
- 5002 Cambodia, which has drifted in this area (Wood)
- 4905 R. Relógio Federal (Brazil) mentions Port. "A hora" frequently; no Sp. sta noted. Definitely Spanish "La hora"? (Wood)

??? UNIDENTIFIED ???

- 25610 Unid., 3/5 only, same mx over 2 over 2215; only Med. list VOA (Hauser)
- 17935 Unid. w/Arab mx, talk, bells, anthem 1210 (Douglas) WBR Cairo list (Ed.)
- 11840 USSR Unid. w. Moscow outlet, not Eng, 1330-1430, where relay (Field)
- 6189 Unid. Indonesian, ruffled ID 1010 (Wood)
- 6185 Unid. Indonesian w/country/western mx 1141, W. anc. mx 1200, 3/9; ment. Djakarta (Churchill)
- 6260 Unid. 0455 w/Balkan mx, time pips 0500; L&W mx in Russ. type lang. "airplane" came out "iroplana"; 2/27 (Poulis) Sining list FBIS & WRTM (Ed.)
- 5062 Unid. in Spanish at 0100 (Peters)
- 5030 Unid. at 0230, under R.Continente, in Sp., ann. as La Voz de Romana. (Peters)
- 5019 Unid. Chinese, ex-5020, Mao talk 1300 (Wood)
- 4868 Unid. Chinese, Mao talk//Tsinan 2473, 1230 (Wood) Manchow list 2475 (?) (Ed.)
- 4748 Unid. just under Makassar 4750 w/hindi mx 1455 2/26, fade by 1500 (Churchill)
- 3930 Unid. Chinese sta., Mao talk 1100 (Wood)
- 3240 Unid. w/li. singing Arab. mx 1450, 2/27; prob. Baghdad or Ambo; propagation would indicate the latter (Churchill)

TNX TO THIS MONTHS REPORTERS

- Fred Baines, N.B. 51-S
- August Balbi, Calif. HQ-150 129X
- Gregg Barman, Ill. Star Roamer
- Doug Brammer, La. Star Roamer
- Kevin Brown, Mich. Masterwork
- Bert Brummel, Holland WPO 5-T
- Stanley Cabral, Calif. HQ-180
- Gregg Calkin, N.B. S-108, CR-54
- Bruce Churchill, Calif. HQ-180
- Gerry Dexter, Wis. HQ-180
- Danny Douglas, Ethiopia Collins R-388
- Farlin Field, Mich. SX-100
- Bill Graham, N.Y. HQ-180
- Bob Hagerman, Mich. Star Roamer
- Kanji Kaitani, Ill. S-44
- Dr. F. Warle Hall, Mass. HQ-180.C
- Glenn Mauser, N.J. HQ-160
- Del Hirst, Texas HQ-100
- Danny Jamison, Va. S-4, S-120
- Steve Kamp, Texas HQ-140X
- Bruce Llemens, N.J. S-200
- Alberto Laveaga, Mexico SW-4

- Rudolph Menna, Pa. Zenith 150246
- Hank Michalenka, R.I. CR-54
- Art Mitchell, Ohio SX-130
- Al Niblack, Ind. SX-100 II
- Geoff Oates, B.C. S-76
- Bob Padula, Australia Marconi B-28
- Bob Palmer, Wash. HQ-160
- Bert Pestor, Ont. HQ-145X
- Frank Peters, Ill. ITT MacKay Marine 30100
- Art Poulis, Mass. NC-190, SW-4
- Don Precosky, Ont. Realtone 4597
- Chas. Rasin, N.J. HQ-145A, SX-110
- Frank Richardson, Va. CR-54
- Steve Russell, Md. HQ-145
- Ed Shaw, SEAsia Stewart-Warner R-390
- Richard Sia, Hawaii NR-100
- Bill Sparks, Calif. HQ-180
- Gay Tenenbaum, Ill. Viscount 123501
- Jim Thornton, Calif. SW-4A
- Richard Wood, Hawaii HQ-180
- WRB/SCDX
- WRTM/68 - FBIS '67

Last minit NEWS/TIPS
All times are GMT

FLASH
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Last minit NEWS/TIPS
All times are GMT

AL NIBLACK, EDITOR 420 SHELBY STREET, VINCENNES, IND. 47591 (Deadline 23rd of Month)

AFGHANISTAN: (FLASH) New schedule effective 3 March, 1200-1300 in Pushto/Dari on 15435; and the parallel 21585, with 15270 dropped. (Padula)

AUSTRALIA: (FLASH) RA added new frequency 21740 for No. America, 0100-0300, parallel-ing 17840, 15320, on 17 March. The additional channel provides fine signals. (Balbi)

BOLIVIA: 4985 CP75, La Paz, now signs on at 1000, heard with strong signals. (Padula)

BRAZIL: 4925 Emis. Rio Sao Francisco, observed at weak level with musical prgm from 2330-0045; news at 0030. Clear ID noted. (Field)

CHILE: R. Sociedad Nacional de Minería, Santiago, heard on new frequency 9755, on a Sunday evening with a football game at 0250, all Spanish. (Objio)

CEYLON: 5020 Radio Ceylon heard in parallel with 4870, 1600-1700. First quoted frequency weak level, but clear, latter frequency 4870 quite readable. (Shaw)

CONGO: R. Brazzaville intercepted on new 11975, apparently replacing 11725 with relay of French news at 0500, English news at 0515. S/off at 0530. (Padula)

COSTA RICA: R. Reloj now being heard on new 6065 with news at 1215-1300. (Graham)
.... La Voz de la Victor, 9615, currently is heard well after 0400. (Goldman)

COOK IS: 5043 The RTTY which usually covers Rarotonga has recently been missing and some clear reception has been noted from the outlet around 0500, though not consistent. (Sparks).... Heard from 0530 tunings with musical prgm and time chexs. (Orekar)

DOMINICAN REP: HIBZ, San Cristobal, formerly announcing as on 9960, noted 10 March operating on 4977 with regular prgms. (Objio).... Radio Mil, HIBE, has drifted from 4940 to 4930. (Objio).... R. Quisqueya Internacional, HISD, is to air a new international svc over R. TV Dominicana in several languages and will use 3215, 6090, and 9505. Tentative time is from 1500-0300. Complete information later. (Objio).... HISD noted with English at 0130 on 6090. (Goldman)

ECUADOR: HCJB recently announced that its DX Prgm will be broadcast on a weekly basis rather than bi-weekly, time 0230, Tuesdays (Mondays EST), usual frequencies. (Mas).... The outlet has extended their English b'casts to 0530 on 15115, especially for listeners in WCNA and Canada. Wants reports from this area. (Field).... 5120 R. Centinela del Sur logged with Andean music, powerful signal, definite ID at 0642. (Hauser).... 4770 An outlet noted until 0630A seemingly gives ID of, "Radio Tropicana", and is located in Quitc. (Sparks)

HOLLAND: R. Nederland states that a new "Dutch by Radio" course will begin this May. Write for full details to R. Nederland, P.O. Box 222, Hilversum. (Galo)

HAITI: (FLASH) 15280 Direct from 4VEH the information is received that the outlet is testing in the 19 meter band with 100 watts. Is interested in reports how they are getting out, write to: Radio Station 4VEH, Box 1, Cap Haitien, Haiti, W.I. (Station 4VEH).... Balbi states that the outlet is not loggable in California due to the heavy QRM on the spot.... R. Haiti, 4VHW, is back on the air on 6195. (Objio)

INDIA: 3355 AIR, Hyderabad, (HS) noted till 1715 S/off with strong signals. (Shaw)

LEBANON: 15440 Beriut now using this frequency to No. and So. America in Arabic, English, and Spanish, 0230 for the English slot. (Poulis, Macken, Cohen, Soneff, Ferguson)

MALAYSIA: (FLASH) 15280 Kuala Lumpur intercepted on new frequency at 0830, with English news. (Balbi).... Noted till S/off at 0845, at very powerful level. (Padula)

NEPAL: (FLASH) Jensen, Wisconsin, reports a verie card with definite confirmation and full data for last Nov's tentative on 9NE7, 4600, just received.

SO. AFRICA: 3250 Home Svc of RSA powerhouse level from 0100-0300 with pops and commercials. (Roth).... As of 15 March Radio RSA is using 6075 and 7270 at 2330 and 0320 xmissions; noted at 0030 on 7270, 11875, and 9705. (Moeller, Menna, Balbi, Hirst, Hall, Pestor)

PAPUA: (FLASH, FLASH) 3323A A station heard with typical So. Pacific/New Guinea local music until 0913(at 0900 drums and background chanting for 90 seconds), man announcer in possibly Pidgin is tentatively thought to be the new outlet Radio Milne Bay, Samari, VL8AS. Identity seems to be as here-in quoted. (Churchill)

SOLOMON IS: 3995 Honiara logged 1115 with musical prgm, good signals. (Pistek)

SABAH: 4970 Jesselton noted with English around 1445 at weak level. (Orekar)

TANZANIA: 9550 The TBC outlet is using 50kW according to a recent verie. (Churchill)

THAILAND: According to a news dispatch from AP the 6 million dollar transmitter built by the United States was sold to the Thai Govt. for a nickel(thats right). The U.S. will share the time on the Voice of Free Asia outlet, 60 miles north of Bangkok. Did not mention whether SW or medium. (Roth) (I think its MW, Editor).... Bangkok noted around 1200 on 9653, 4831, 6070, with "A" Svc, strong level. (Padula)

TAIWAN: 3990 AFMT extra comfortable level around 1600 tune in, YL/w pops. (Shaw)

GILBERT & ELLICE IS: 4912 (FLASH) Tarawa QSLed with a form letter in 7 weeks.(Dexter)

USSR(Azerbaijan): R. Baku now heard on 6110 in parallel with 9840 with Turkish till 1528, into Arabic at 1530. Fair level most days. (Churchill)

USSR(Estonia) 6085 Tallin heard with IS from 2103-2104'50". They did QSL my prior report - direct(not via Mrs. Stepanova). (Graham)

VENEZUELA: 5060 R. Litoral, YVRV heard on new frequency, ID at 0100. (Objio)

VIEP NAM(No): Hanoi's power may be cut(due to recent bombing) as the 1300 broadcast on 9760 to the American Forces, is much weaker, though readable. (Hall)

ZAMBIA: 7120 Heard from 1720, definite ID, possibly a new outlet, in English. (Shaw)

CLANDESTINE(?): Sked of the Radio of So. Vietnam National Front for Liberation is listed as 12000, 10000, and 7395, in English 1315-1330, Saturday; 0000-0030, Sundays. Acknowledged receipt of my report sent via Prague, asked for further reports. (Field)

SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY, 3-4-1968

1-208 2-211 3-197 4-162 5-125 6-135 7-86 8-90 9-86 10-82 11-78 12-69
13-67 14-69 15-87 16-74 17-95 18-72 19-65 20-68 21-69 22-70 23-71 24-119
25-162 26-150 27-118 28-127 29-131 MEAN-107.3 (Ferguson)

INDONESIA: 11903 (FLASH) Indonesian logged from 1155 with many US pops and some native is thought to be the long missing R. Angkatan Udara. Upon one check noted S/off at 1157. Hope they will QSL. This last minute item from Jensen, Graham.

For your copy of the 16 page booklet, "Your Window on the World" send 25¢ and request booklet SWL-1, Hammarlund Mfg. Co., Mars Hill, No. Carolina, 28754. (Goldman)

ERRATUM: Flashsheet for March should have quoted, Kinshasa, 9775; R. Valledupar, 6173. The frequency quotes were omitted.

With the issue of bulletin #955, Sweden Calling DXers has been on the air for 20 yrs. It is one of the oldest DX programs in the world, second only to R. Australia.(R. S.)

ACKNOWLEDGEMENTS:(To all those who made this possible)- August Balbi, Calif...Bruce Churchill, Calif...Steve Cohen, Conn...Gerry Dexter, Wisconsin...B.Goldman, N.Y... G. Ferguson, No. Carolina...Bill Graham, N.Y... Dr. F. Earle Hall, Mass...Don Jensen, Wisconsin...Del Hirst, Texas...Raymond Mas, Conn...Marlin Field, Michigan...Gary Galo, Vermont...Glenn Hauser, New Mexico...Mike Macken, Mass...Scott Moeller, Penn... Rudolph Menna, Penn...Cesar Objio, Dominican Republic...Charles Orekar, Calif...Bob Padula, Australia...Bert Pestor, Ontario Canada... Richard Pistek, Illinois...Art Poulis, Mass...Radio Station 4VEE, Haiti...Allan Roth, Conn...Ed Shaw(On the High Seas...John Soneff, La...Bill Sparks, Calif...Sweden Calling DXers, Radio Sweden.

In closing, we would like to suggest to those that write us concerning receivers, associated items, and etc., that it would be appreciated if you would include an SASE. Gracias for the number of reporters and the items for this month's release. Please observe the monthly deadline, write on one side of the paper only, double space between items, and quote the name/model number of your receiver. Very last minute items may be phoned in after 2200 GMT to 882-3976. Best of DX to all, hope to see your reports incoming for next month.