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NORTH AMERICAN SHORTWAVE ASSOCIATION

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FEBRUARY 1971

VOL. X NO. 2

NASWA HEADQUARTERS POST OFFICE BOX 989 ALTOONA, PA. 16603 USA

IN GENERAL NOTES/NEWS

Since this will be the last edition of Frenedx that Ed Shaw will publish, we want to again thank him for his excellent efforts the past three months. The club is extremely fortunate and grateful for his heart and help! He did a tremendous job under terrific circumstances which few members know of or realize. Thanks again Ed!!!.....We would call the attention of all members to the fact that beginning next month (March) our bulletins will once again be published, as previously, in Altoona.....Bill Shultz of NNRC, who has served the last eight years as President and Editor, has submitted his resignation due to circumstances beyond his control. The NNRC BOD has chosen Eugene Vondereembse, Astoria, New York to fill the vacant posts for unexpired term ending 4/1/72. It is sad to see Bill leave the scene; He has always been an asset, not only to NNRC, but to the hobby proper. Such men are hard to find nowadays! We wish him every success in his future endeavors, no matter what they be. Too, we wish Eugene the best of luck in his new capacity...he has 'big shoes' to fill!.....NASWA member, Alan Thompson of Wales, U.K., has been named the Secretary-General of the EDXC-European DX Council (the European counterpart to our own ANARC!). This puts much responsibility on his staunch shoulders and will no doubt QRM some of his DXing efforts. In any case, we are sure he will do a worthy job; He is made of the 'stuff' it takes! Luck and success Alan!..... NASWA Hdqs would again like to express gratification to member Sara Stillman, N.Y. for her most generous donation of \$50.00 recently. Never before in all the years the club has been in operation, has any one member been so generous financially. And being the donation was entirely voluntary, unsolicited, it was all the more appreciated. Those members in the club who sincerely care, are deeply grateful Sara! Many thanks to you!Mentioning Sara, we are in hopes we will soon have a photo page devoted solely to the feminine members in NASWA. All have been sent letters of request, asking them to consider cooperating hereto. C'mon girls, drop them powder-puffs and get them camera's clicking!!!.....To answer a few questions sent to Hdqs. via members; No, we have no plans for any contests time being. The last few were simply not supported well enough to warrant. Yes, club stationery is presently being printed and will be made available soon. Yes, Charlie Loudenboomer is a fellow earthling! No, we do not foresee another increase in membership fee's when new postal rates come into effect!.....Finally for this time, I want to again personally thank those friends/members of NASWA, as well as those in ASWLG, MWDXC, NRC and NNRC for the cards, letters, etc. sent me during my recent illness. I regret it be impossible for me to write all individually, but please be assured I am humbly grateful, most appreciative of your kindness and thoughtfulness. Understandably, I would like to list all names, but being that is not the proper thing to do, I would simply say to all of you, God bless!!!

...Bill Eddings

WELCOME, NEW MEMBERS!!!

- *Donald D. Dickey, Minneapolis, Minn. Via World Radio-TV Handbook.
- *Rizal J. Baysa, Washington, Michigan. Via National Radio Club.
- *Kevin Rhoades, Des Moines, Iowa. Via Popular Electronics magazine.
- *Lloyd Nicholson, Shreveport, Louisiana. Via Batesville Shortwave Assn.
- *JJerry Hershovitz, Philadelphia, Penna. Via Hank Bennet.
- *Proctor Burress, Columbus, Indiana. Via Electronics Illustrated magazine.
- *Prentiss Shepherd, Jr., Nashua, New Hamp. Via World Radio-TV Handbook.
- *Charles Wackerman, Randallstown, Maryland. Via Popular Electronics 'Comm. Hndbk.'
- *Robert Sawallesh, Woodbridge, Virginia. Via Popular Electronics 'Comm. Hndbk.'
- *Rbert Gemmell, Pulaski, Virginia. Via Popular Electronics 'Comm. Hndbk.'
- *Henry M. Slade, Bedford, Mass. Via Popular Electronics 'Comm. Hndbk.'
- *Angelo Gero, Chicago, Illinois. Via World Radio-TV Handbook.
- *Fred Scruton, Hamburg, New York. Via World Radio-TV Handbook.
- *Joseph Maslak, Chicopee, Mass. Via Popular Electronics 'Comm. Hndbk.'
- *John M. Burns, Groveland, Florida. Via member Edward Shaw.
- *Audie Kaufman, Millington, Tennessee. Via NASWA Hdqs.
- *Edmund Ricchezza, Philadelphia, Penna. Via member Phil Magne.

RENEWALS

Second Year: Ira Wagner, Thomas E. Jones, Marvin Robbins, Julian Kratter. Third Year: David Potter, Peter Taylor, Kris Lemna, John Hunter. Fourth Year: C.M. Stanbury. II. Sixth/Seventh Year: Dan Henderson.

(Members joining or renewing after the 15th of month*will be listed next month!)*Jan.

NEW MAGAZINE!!!

Davis Publications, Inc., New York, which publishes bi-monthly 'Elementary Electronics', announces new semi-annual magazine 'Communications World' now available. It is devoted entirely to the various aspects of DXing and will include the complete 'White's Radio Log'. Long-time DXer/NASWA member, Don Jensen, is the "Communications Editor. Purpose of this new publication is to fill the gap left by certain other commercial magazines recently.

HELPING HAND SERVICE

For Sale: Hammarlund HQ-100A receiver w/ matching speaker. In excellent condition, and with complete set of replacement tubes along with operating manual. \$145.00 plus shipping charges. Write: Serge Neuman, 311 Jefferson St., Pendleton, Indiana. 46064.
 For Sale: Plans for Drake SW4A BFO. Send 10 cents plus SASE to: Rob Harrington, 3181 South York, Englewood, Colo. 80110.
 For Sale: Heathkit SB-310 receiver. Like new condition. For complete info/data and price, write; Chris Tomaszycski, 3400 Theodore, Detroit, Michigan. 48211.
 Wanted: SWL's and DXers interested in card-swaps, tapesponding, philately, etc., Join exclusive club and receive monthly bulletin "Swaps Newsletter". Write: Hal Morgan, 801 South Fairview U-1, Santa Ana, CA. 92704 for complete info/data, membership fee's. An SASE will be appreciated!
 (When answering any of the above ads, be sure to mention you are a NASWA member and read it in Frendx. Thx!)

!!! NEW - DIFFERENT

Interested in a bilingual club/bulletin?? CDXQ-Club des DXers du Quebec, might be what you seek. Monthly bulletins are in both French and English (mostly former) and deal with SW as well as MW. It was organized and is operated by adult DXers in and around Quebec...including NASWA member Frank Barratt who may be contacted for information; 835 ave Pierre Maufay, Apt.2, Ste-Foy, Quebec, Canada.

NASWA STAMPS READY

We have finally replenished our supply of club rubber stamps and they are now available to any/all members. Price per is \$1.50 which includes postage. Orders should be sent direct to Hdqs. Do not send cash!!!! Make checks or money-orders payable to North American SW Assn. (Canadian members and those overseas, must use money-orders only!) Since we expect these will move at a fast clip, we suggest you order early. (Note: Club stationary will also be available soon; Watch for announcement later! Do not order until that time!)

ATTENTION NEW MEMBERS!

Reports to the various section editors are to be sent direct to those editors and not to Hdqs. And when questions, necessitating reply are asked, be so good as to include SASE. Your cooperation is appreciated!

Exclusive

THE LOUDENBOOMER REPORT

Exclusive

An, what will the New Year bring? Everyone wonders this each year, and it's a doubly perplexing question for the DXer, since his hobby is in a continual state of flux anyway and it's hard to figure what is going to happen tomorrow, much less twelve months hence.

Lucky for you though, you've got an edge! You have in your midst a prognosticator, a clear-seeing clairvoyant who can peer into the glass darkly, and tell, with astonishing degree of accuracy, what's in store for SWL's in 1971.

Who is this amazing fellow?(I thought you'd never ask!) And, for the dull witted ones who have't figured it out for themselves, it is ye scribe, one C. Loudenboomer!!

My credentials! Well, who do you think plunked down \$20,000.00 for the exclusive Edsel dealership in Lander, Wyoming...eh? Who was it that said, "Mark my words, the Dumont chain (and look that up in your Funk and Wagnall!) will leave NBC, CBS and ABC TV in the dust", and backed up his words with a sizable investment in that network? What bareheaded DXer vowed to eat his hat if Harold Stassen didnt become president in '&*?'

But, in all modesty, I've also been wrong once or twice. But then nobody is perfect.

So, looking forward in 1971, here are the Loudenboomer predictions of things to come in the world of DX:

1. I predict this will be the year DXing gains unprecedented popularity as a hobby in the U.S.A. In early spring, a certain unidentified Greek shipping magnate will, on a whim, buy an expensive SW receiver to while away the lonely hours whilst his glamorous wife is flitting around the globe spending money like she has three hands. Unaccountably, the millionaires' toy will become a craze among his jet set followers, and then, among the followers' followers. Before long, SWling will be the national pastime.

Across the land, the cyclopean eye will dim and die as more and more TV sets are switched off once and for all. The public will have turned to shortwave radio and abandoned the "boob toob". Late in December, NBC TV will declare bankruptcy, followed within hours by similar announcements from CBS and ABC. And thus, Loudenboomer will have gained a measure of revenge for the affair Dumont!

2. I predict that a major technological breakthrough will alter the SW receiver as we know it today. The Bell Telephone labs, in conjunction with the U.S. government, will release, for commercial manufacturing purposes, a unique receiver selectivity circuit, heretofore used only in super-secret military monitoring gear.

At a press conference in June, a Bell scientist will demonstrate how a powerful VOA signal can be completely "blanked" from a given frequency, allowing a ten watt Bolivian station on the same channel to be heard with perfect readability.

An oriental industrial spy, having fretted out this technological secret months earlier by plying a female lab assistant with saki, will have given his firm a jump on the market.

In November, Samurai Electronics Ltd., of Tokyo, will unveil a new communications receiver for SWL's which incorporates this circuit. Lafayette will peddle it stateside by Christmas time for \$59.95.

3. On the diplomatic scene, I predict delegates from 147 countries that attend the ITU 1971 conference at Bamako, Mali, will vote to alter the frequency allocations for SW stations. All stations operating more than 10kw of power will be restricted to a single band, 2750-2755kHz. These regulations will go into effect Sept. 1st and will be strictly enforced.

(Continued next page)

The Loudenboomer Report, continued.....

Only nations voting against the new frequency allocation plan will be Tonga, Lichenstein and Lesotho.

4. I predict interesting new developments on the bands, with a number of new broadcasting operations taking to the air.

Trans-World Radio will break ground for a new relay station in Saudi-Arabia. The transmitter will be located at Mecca. A shortwave station announcing as "Radio Swan" will be widely logged. It will claim to be located in the Washington suburb of Langley, Va., but careful direction finding experiments will show it actually on Navassa Is. in West Indies.

Economy measures will force the curtailment of some broadcasting operations. Kol Israel and Radio Cairo will merge. Transmitters will operate from UAR territory, joint studies will be set up in Tel Aviv. Disgruntled Egyptian announcers, dismissed from the R. Cairo staff to cut the payroll, will join the staff of new Palestinian clandestine station aboard a skow in the Red Sea. They will broadcast bi-lingual tirades and acid rock music.

5. Finally, I predict that after 15 years of unsuccessful attempts, I will receive QSL's from Radio Moscow, Radio RSA and HCJB!

(If, as I fully expect, all these predictions come to pass, 1971 will truly be a facsinating year for SWL's. Check back with me on Dec. 31st!)

...Charlie Loudenboomer

* * * * *

JACK AND HIS MAGIC JOYSTICK

by Edward Shaw

Once upon a time there lived in the faraway land of Weskoast in a village called Foggy Bottom Beach, a lad named Jack Tinears. Now Jack lived with his family of DXers in a small cottage and they were very poor since they spent every nickel on coaxial cable, stamps, and IRC's. All the kids from around the area made fun of Jack, too, because his ears were made of tin; but Jack had the last laugh because his ears acted beautifully as quarter wave dipoles.

Now it happens that one day Jack's mother said to him, "Son Jack, it is time that you made your own way in the world". Whereupon she gave Jack her blessing, \$5.00 in IRC's and a magic transistor which had been given the family one day long ago by an itinerant DXer. "Jack", she continued, "You must seek the finest ground in the land in which to plant this magic transistor, and when you succeed, good fortune will come to you.

Well, poor Jack, shouldering his carpetbag, Star Roamer, golf clubs, Retina IV SLR, and the magic transistor, bade farewell to his family. Along about 100 miles south on Hwy 101, Jack came upon a lonely beach house with a short, kinky antenna wire stretched out between the eaves of the roof. "Hmmm", thought Jack, "Perhaps I can flake out here for the weekend while I seek around for the finest ground in the land".

Knocking on the door, Jack was soon greeted by a gnarled looking, shriveled up little man with puffy eyes, devoid of sleep. Little did he realize that he had chanced upon the same itinerant DXer which had visited his home before and presented his family with the magic transistor.

The little old gnome bade Jack enter and cackled how glad he was to have company and proceeded to entertain Jack with numerous albums of QSLs, certificates, awards, and letters from Eugenia Stepanova. Jack was taken by surprise upon discovery of the old man's hobby, and immediately drew forth the magic transistor to share with him. The bauble was instantly recognized for its value, but the old man showed only deceptive curiosity. It seems the crotchedy old DXer had fallen by hard times after purchasing his Square-Sandy receiver and now coveted the magic transistor.

(Continued top of next page)

JACK AND HIS MAGIC JOYSTICK (Cont'd)

"It's a beautiful color, my lad", remarked the wrinkled old gnome, "what price will ye ask of it"? But, Jack would have none of the bargaining for his mother had cautioned him of its value.

But the old DXer had some fine tricks up his sleeve. He offered the young novice - "See here, lad, I'll set up a wager with you and contest to see who can log the most countries by sunrise tomorrow, and whoever has the most will win the prizes. And with that, the old man offered up his Square-Sandy for ante. Well, this was more than poor Jack could fight, so he agreed. The old man would use a second hand Globepacer portable and a kinky antenna wire; Jack would use his Star Roamer and tin ears for dipoles. The contest was on!

The old-timer's experience quickly forged him ahead with scorings from the afternoon Europeans, but the best our hero could do was to pull in Paul Harvey and the news before he realized he was listening to his medium wave band. But, by the time night approached, Jack had some luck in finding Tbilisi just as the sun sank over the horizon. But then the old man began snagging the Latins from deep down in there where the Andes grow. One after the other they came - Paraguay, Uruguay, Bolivia, Peru, Chile, and even South Orkney Island. Poor, poor, Jack!

The battle was so one-sided there seemed no hope for our hero. Jack was so sleepy that he leaned over to rest his head on the window sill. And as he did so, the magic transistor slipped from his shirt pocket and fell into the sandy soil without. Dreams of the Square-Sandy filled Jack's head. He could see himself as the pride of Foggy Bottom Beach, and he smiled at the jealous glances detected in the eyes of his friends. The receiver felt so real, even in the dream. Then suddenly Jack awoke! What was that noise outside!? The old timer was still hot at the dials, filling up page after page of log book. Glancing out of the window, Jack beheld a beautifully chromed Joystick of gigantic proportions growing rapidly like a bamboo shoot straight toward the black night sky. One of the creeping, vine-like tentacles of the growing resonant instrument thrust itself into the window and Jack immediately observed that it was ready equipped with a motorola plug. Losing no time, he quickly installed the plug into his Star Roamer. Instantly, the little receiver sprang to super life; the needle in the S-meter splintering through the side of the set, and the whole receiver hummed with potential.

It was wee early morning now, and the old man had finished Latin America and was working the Ocean Islands on into Asia. Nimbly, Jack manipulated the knobs. Hark, the Solomon Islands came bounding in, quickly followed by Wewak, Rabaul, Daru, Celebes & Molucca and most of the other choice catches. But Jack was so far behind. Could he even hope to catch up in the hour or so left till sunrise? The old timer was beginning to weaken but still pulled in the last closing wails as Dacca shut down for the night in East Pakistan.

And then it happened; the Joystick had grown so tall, nearly to the clouds, that its length was absolutely resonant for full wave length on 120 meters, and myriads of the little 100-500 watt voices came tumbling in. The old man had just about drawn in his last effort with a clandestine out of Macau and his score was 99. Jack had pulled in his 99th as the sun's rays struck the top of his Joystick. Straining at the ears, both men sought out just one more country in the few remaining seconds. The sun's rays traveled further down the mast to the little beach cottage. Only short seconds remained until the sun would stream into the window. The old timer twisted and turned frantically, and Jack sweated profusely.

But then, suddenly, Jack froze and sat upright as if with amazed enlightenment. Quickly twisting the dial to a certain place, he sat back with a triumphant smile as VOA blasted in with "Yankee Doodle". Good ole USA! Who would ever look for it as a country?! There's no place like home!

Today, Jack sits at home with his newly acquired Square-Sandy and the marvelous Joystick towering outside his window. Stacks and stacks of QSLs, pennants, and schedules lay about the shack, and his friends come from afar to marvel. Always goes to show you, you can never tell. Always plant your needless transistors, resistors, capacitors, etc. If nothing else, you'll get the only 120 V, 60 cycle, 20,000 ohm bush in the world! - Ed Shaw

ANARC REPORT FOR FEBRUARY

The latest ANARC Newsletter has just come in the mail from our new executive secretary, Wendel Craighead, and things are operating in high gear !!

There are two new associate member clubs in ANARC. The Club des DX'ers du Quebec is ANARC's first member club not to publish entirely in English. CDXQ has articles in both French and English, and DX tips in French. The first issue of their bulletin A L'ECOUTE came out in November - mimeographed news of short wave and medium wave, primarily designed to tell what stations are being heard in Eastern Canada. CDXQ will have a monthly bulletin (I've also seen issue #2, which is very good). Their address is PO Box 34, Sillery, Quebec City, P. Q., Canada. The second new associate member club is the Idaho DX Association, 5805 Flamingo Drive, Boise. They have 10 members, and their bulletin IDEX is published monthly in postcard-size format. I haven't seen one yet here. Again, several bands covered; primarily for Idaho area young DXers.

The European DX Council (EDXC) is ANARC's counterpart in Europe. They've just elected a new secretary-general to replace Jyrki Talvitie of Finland, who was forced to retire after a year's service because of commitments for his family. The new secretary is Alan Thompson, so EDXC headquarters are now in Great Britain - the first time they've been outside Scandinavia. EDXC is growing continually, and now has members and observer clubs from many countries including the Antipodes and South Africa, as well as Europe. The cooperation between ANARC and EDXC has always been good, and I'm sure will continue to be so. There are many common areas for discussion.

NASWA member George Schnabel of Rochester, N. Y. has volunteered to act as ANARC liaison person with the Antique Wireless Association Museum in Holcomb, N. Y. You'll remember that Gerry Dexter arranged with the Museum for deposit of older and valuable QSL collections at the museum for preservation. One collection has now been mounted, and is on display. ANARC's task is to make sure that any collections received are properly looked after, so as not to be a burden on the amateurs who operate the museum. It's reassuring to know that there'll be a place to properly care for any QSL collections!! Thanks for helping, George. Perhaps some of you have visited some of the AWA members who display old radios and equipment either in their homes or in small museums. The preservation, collection, and operation of antique equipment must surely be one of the most interesting aspects of the radio hobby. The AWA recently had a convention in Canandaigua, N. Y. with many radio pioneers being present.

*** The most urgent item in the latest Newsletter concerns the 1971 ANARC Convention. It's time for bids from DXers who wish to host the Convention for this year. The job entails making hotel reservations, arranging a programme interesting to DXers for a few days in a summer weekend, and meeting some of the finest people in the world! The Conventions are a lot of fun ... even for those who are hosts. If you could possibly host the 1971 meeting, and would like to have your location considered, contact: Jerry Heien, 3822 Marshall Court, Bellwood, Illinois 60104.

The DXers Census work is continuing. Phil Sullivan is tallying and interpreting all the data received from ANARC club members (hundreds replied with the questionnaire). Our announcement on HCJB for non-club members has brought about 100 replies in the first month, and I'm quite busy replying to each, and sending out information to each person about ANARC and its member clubs.

Bill Jennings of Winnipeg is now publisher for CIDX. The club had been seeking a merger with another club, and has apparently changed its format somewhat, but now that there's a publisher again the operations appear to be back to normal.

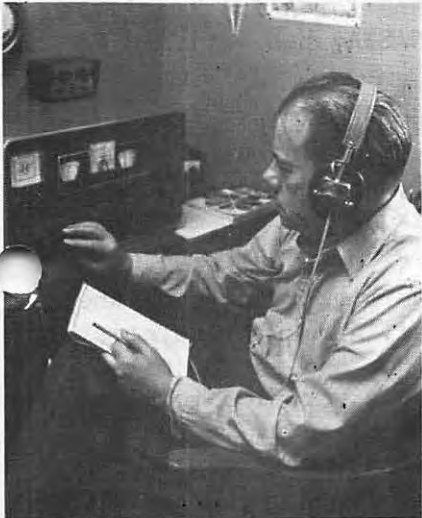
That's about it for my first report to NASWA. Gerry, Del and I would be glad to answer any questions you have about ANARC, or to pass along any suggestions that you'd like to make. Good DX ... hope you have more time for our hobby than I do, hi. DXing is a relaxing occupation - especially when the conditions are good!



Robert Bruce, Scotland



Marlin Field, Michigan



Alvin Sizer, Conn.



Frank Barratt, Quebec



Del Hirst, Texas



William Sparks, Calif.



Richard Wood, Louisiana

NASWA PHOTO PARADE

(See next page for info/data on these NASWA members/DXers who we thank for sending pix!)

NASWAers, OLD AND NEW

Robert Bruce, Brechin, Angus, Scotland. In his first year with NASWA, Bob has already become a regular and reliable reporter. His receiver is an Eddystone 940 and he uses a JoyStick antenna. Other equipment includes a Codar RF Preselector, JoyMatch ATU and Grundig TK124, Phillips A4302 tape recorders. Presently he is our only member in Scotland. He is single and his vocation is postman.

Marlin Field, Benton Harbor, Michigan. A college prof., married, Marlin is in his sixth year with NASWA. Receiver is a Hallicrafters SX100, antenna a Mosley SWL7. Special interest in DXing are Missionary stations and Latin Americans. He has a particular fondness for pennants. Has verified total of 173 countries thus far, collected envious total of 126 pennants. His frequent reports in bulletins are 'choice' and interesting.

Alvin Sizer, North Haven, Connecticut. Using a Hammarlund HQ180A receiver, 3 antennas (Mosley SWL7, longwire and 3lm dipole) Al has verified 144 SWBC countries to date. He is news editor for 'New Haven Register' and is married. Other of his shack gear is an Ameco Pre-amp and a BC221 frequency meter. He supports the club 100% and his reports to various sections of bulletins are regular as clock-work. In his 3rd year w/NASWA.

Frank Barratt, Ste-Foy, Quebec, Canada. A serious DXer, Frank uses a Drake SW4, Hallicrafters SX130 and Zenith Transoceanic receivers; 3 doublet antennas (one each for the 13, 16 and 19 meter bands), 2 horizontal V's (one for Europe, one for Asia) and 2 tape recorders (a Phillips and a Uher.) He is in his 2nd year with NASWA, has verified 75 countries thus far. His wife, Ginette, is also an avid SWL.

Del Hirst, Snyder, Texas. One of several Texans with us, Del is presently in his fifth year of NASWA membership. Has served as Log Report editor in past, is serving as one of our ANARC Reps currently. His receiver is a Hammarlund HQ100, antenna is a longwire. He also employes a homebrew preselector. His support of NASWA is as regular as Texas is spacious...and you better believe that covers lot, pardner!

William 'Bill' Sparks, San Francisco, Calif. Married and a lawyer by profession, when it comes to top DXers in North America, Bill is high on the list. A regular reporter to FrenDX, he is in his seventh year with NASWA. He is also ANARC Rep and on BOD of ASWLC. Using a Hammarlund HQ180A receiver and Mosley SWL7 antenna, he has verified total of 183 SWBC countries last count. Is planning to add new gear to shack soon...perhaps he already has done so. Bill is an asset to all clubs in which he has membership.

Richard Wood, Baton Rouge, Louisiana. Reknown worldwide for his articles and writings in various club bulletins and commercial publications, also as author of book titled 'Shortwave Voices of the World', Richard is in his fifth year with NASWA. During his tenure of membership, he has served as SWC editor and as one of BOD. A college prof., he is unmarried. His receiver is a Hammarlund HQ180A and as best we know, antenna is a longwire or dipole. Another of NA's top DXers, he is regular reporter to FrenDX.

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Once again we make request that members submit snapshots or small photo's to be used for our pix pages. Any/all are welcome so long as they are black & white, not color. Mail received at Hdqs proves that these pages are popular, but the point is, we cannot continue them unless there is cooperation from the ranks. If snaps or photo's are not submitted in sufficient quantities each month, there can be no pix pages. If you dont want to send any of yourself, send one of your shack set-up or your QSL collection. The important thing is, if we dont receive snaps/photo's, we cannot continue the pages. Incidentally, we might mention that the contents of these pages, in addition to appearing in our bulletins, may also possibly appear in the new "Communications World" magazine which is published semi-annually and in which the DX sections are edited by our member Don Jensen. So c'mon and give with the camera clicks, get yourself 'plastered' around the DX world! NASWA is counting on your support and cooperation!

.....NASWA AND FRENDX, THE IDEAL COMBINATION FOR THE SWBC LISTENER.....

Editor: William A. Matthews
 P.O. Box 15306
 Columbus, Ohio 43215

Phone: 614-236-0026
 2300-0300 GMT

NEW FACILITIES FOR WWVH

This year, WWVH, the National Bureau of Standards' time and frequency station in the Pacific, will be broadcasting from a new site on Kauai in the Hawaiian Islands with an additional carrier frequency, increased power, and a revised format. As a result, far-eastern parts of the world will have time and frequency broadcast service of unprecedented reliability. The new facility is now under construction on the west coast of Kauai and broadcasts are expected to start during the spring of 1971.

Obsolescence, propagation barriers, and a vanishing site are the reasons NBS is abandoning the Maui Island site from which WWVH has been broadcasting since 1948. Part of the site was a man-made peninsula which has been eaten away by the erosive action of the sea. Mountains on both sides of the station interfere with transmission to the north and east where signals are urgently needed, and the equipment is old, obsolete, and in constant need of repairs.

The site on Kauai was chosen for its smooth, level, unobstructed characteristics. It also offered commercially available water and power supplies, accessibility by improved roads, and an airport. In addition, the area is free from electromagnetic interference and there is room on the 35-acre site to space antenna arrays which are harmonically related so they will not interfere with each other.

Each array consists of two vertical masts spaced one-fourth wavelength apart and phased at 90 degrees. The antenna arrays will be located approximately 300 feet from the breaking surf and a radial ground screen around each array will extend over the beach to the ocean, thereby furnishing an infinite ground plane. The standby antennas and the building will be located inland approximately 350 feet from the center line of the operational antennas. In contrast to the old site at Kihei on Maui, this one has an established natural beachline which is not affected by the erosive action of the sea. The building will be built on three-foot piers as a precaution against possible inundation by tidal waves.

Very-low-frequency signals (20 kHz) from WWVL at Fort Collins, Colorado, will control the master clock at the station. The Fort Collins clock, in turn, is controlled by the Bureau's atomic clock at the Boulder Laboratories.

Power at the new station will be increased from 2 kW to 10 kW and three technicians will be added to the staff so the facility can be manned around the clock. Present broadcast frequencies of 2.5, 5, 10, and 15 MHz will be supplemented with a new 20-MHz frequency to give additional coverage of the serviced area.

The directional antennas of the station will project a cardioid pattern of radio illumination which will cover Alaska to the north, New Zealand to the south, and some major cities in the Orient (Saigon, Singapore, Hong Kong, and Calcutta). The Bureau's research on the new site included a computer study which shows that the new WWVH facility will give these key points in the Far East a reception reliability of from 90-99% during the hours between 0600 and 1600 GMT, and only slightly less reliability during other hours.

Those desiring additional information on this new facility can write to the Program Information Office, National Bureau of Standards, Boulder, Colorado 80302 for details.

Electronics World ... via
 Bill Coleman

TURKS & CAICOS DX

Hank Michalenka

VSI35, operated by the Cable & Wireless people on Grand Turk Island, is one of the rarest stations in North America. Consensus is that they only operate as in World Radio-TV Handbook; i.e., 1830-1845 GMT on 4.560. This makes reception virtually impossible in North America due to daytime absorption.

Acting in my capacity of associate news editor, I did some investigatory work on this rare station. They do operate on 4.560 from 1830-1845 GMT with local island news in English as noted elsewhere and there are no plans for changes in this transmission.

During hurricane alerts, they re-broadcast a continuous stream of weather information compiled from the Miami and San Juan weather bureaus. According to the station manager, "If you hear an English or Island accent carrying this information, then you have us!"

The station uses various transmitters, with power limited to 200 watts, pumped through a $\frac{1}{2}$ wavelength single wire antenna.

As far as the announcers go: "Station personnel are any of our staff available at broadcast time. This includes myself, the technicians and operators, and sometimes our typist!"

If you manage to hear them, you may send your report with IRC's, but I'm sure they would appreciate receiving mint stamps, as the 10 square mile island has limited postal facilities. The station receives few correct reports so when writing tell them a bit about yourself.

Their address is: Cable & Wireless (West Indies) Ltd., Mercury House, Queen Street, Grand Turk, Turks & Caicos Islands, West Indies. In case you wish to telephone your report, their phone number is 2.

My thanks to Mr. D. R. Mattocks, Station Manager of VSI35, for his help in preparing this article.

When you write, don't forget to mention this article and NASWA.

RADIO STATION PEACE & PROGRESS

"Radio Station Peace and Progress was founded in 1964 and belongs to Soviet public organizations. Among its sponsors are the Union of Soviet Societies for Friendship and Cultural Ties with Foreign Countries, the Soviet Peace Committee, the Soviet Writer's Union, the Soviet Journalists' Union, the Soviet Women's Committee, the Soviet Committee of Youth Organizations, and others.

"R/S P&P broadcasts daily in English, French, Spanish, Portuguese, German, Hebrew, Yiddish, Guarani, Chinese, and Mongolian to Asia, Africa, the Near and Middle East, Latin America and Europe.

"R/S P&P acquaints listeners with Soviet public opinion concerning home and foreign affairs, affairs in other countries and the activities of international organizations.

"R/S P&P is ready to cooperate with all foreign organizations struggling for peace.

RADIO STATION PEACE & PROGRESS
(continued)

social and economic progress in order to acquaint listeners with the work of these organizations. P&P is ready to broadcast interviews and statements by progressive political figures from all countries and continents."

According to a program schedule they sent, English is beamed to Inner Mongolia from 1030-1100 GMT and from 1530-1600 GMT on the 13, 16, 19, and 25 meter bands. (No specific frequencies given). English to Africa from 1430-1500 in the 13, 16, 19, 25 and 41 meter bands. And, English to Latin America on Wednesday and Saturday from 0000-0030 GMT in the 19, 25 and 31 meter bands.

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EMISORA CULTURAL- "LA VOZ DE LAS FUERZAS ARMADAS"
César Objío

With the purpose of providing a cultural and educational radio service to the Dominican people, "La Voz de las Fuerzas Armadas" was created, to be operated and maintained within the Army budget, as a way of refunding to the people part of the money appropriated for military purposes, returned in easy and pleasant way to increase their general knowledge by listening. No connection or relation exists between this and the former 860 kcs. outlet operated by Radio Televisión Dominicana as a Cultural Service--despite similarity in name and programming--which became Radio Clarín some time ago.

On October 3rd, 1969, the station started test operations several hours a day until about 7 p.m., local time, with a 5 kW, Contel transmitter and a 240 foot tower antenna on 1600 kcs. Later, a SW 3 kW, Contel transmitter was added on 4825 kcs., with a 100 foot high tower antenna. This equipment was located in one room of the Armed Forces Secretary building at Calle César Nicolás Penson, a place which was a personal residence of former Dominican dictator, Rafael Trujillo, and in the back of the location where the National Library building is being erected. Director of the station was Miguel A. Cintrón Romero, Comodore, who dedicated all his work and enthusiasm to the station operation. On February 23rd transmission time was increased until 9 p.m. After this increase the station was heard abroad and reported on the frequency of 1597 kcs., drifting from assigned 1600.

By order of Dr. Joaquín Balaguer, President of the Republic, the Armed Forces Secretary was moved in August to the National Palace in order to provide wider space for the Library, and the station had also to be moved to a new place, not exactly to the National Palace, but to another one. Studios went to the Army General Intendencia at Calle Pedro Livio Cedeno corner Ramón Cáceres, on the northern side of the capital; transmitters and antennas were removed to the outskirts of the city, on the highway leading to Santiago. Studios and transmitters are linked through F.M. on 165.6 mcs. The Antenna height is 290 foot. New operations started again on August 8 after only 24 hours off the air, as the move was accomplished in one single day.

Still in the testing stage the station is being prepared to be one of the best equipped in the country. On October 14 an F.M. relay on 102.7 mcs. (70 foot tower) started operation at Alto Bandera, high in the mountains, more than 7,500 feet above sea level and some 50 miles (in a straight line) to the north-west of Santo Domingo. From here a directional antenna is beamed to Moca, some 40 miles north, where another relay in M.W. has been installed in order to cover the northern part of the country. This relay is a 5 kW transmitter operating on 1330 kcs. (since October 15), antenna height is 290 foot. A 1 kW stereo transmitter is also being planned for high fidelity reception in the Santo Domingo area on 107.1 mcs. and the tower is already

EMISORA CULTURAL
(continued)

140 feet high. A mobile transmitter will be used on 173.2 mcs. for special events. The present schedule is now from 7 a.m. to midnight, local time, with pop, orchestral and semi-classical music, to be fully organized when inauguration takes place, a date which has not yet been set.

Since August 21st the new director is Commodore Francisco Antonio Amiama Castillo, succeeding Cintrón Romero, who was appointed to a new office abroad. He states that the station, when completed, will only be dedicated to educational, artistic, cultural, entertaining and informative programmes. No advertising or political programmes will ever be broadcast by the station.

Hundreds of reports have been received from Europe, mainly from Sweden, Finland, Denmark, etc. through the short waves outlet on 4825 kcs. All correct reports are being verified by mail with a beautiful blue and yellow QSL card depicting the island of Santo Domingo and Haiti with places marked with the transmitter locations and frequencies used. There is also a blue, white and red pennant (the colors of the national flag) with a circle on the left divided in four parts, each with a drawing of the Army, Air Force, Navy and a war tank, all meaning the unity of the Armed Forces. The name of the station in yellow runs from left to right, with a microphone in the middle. On the air listeners are mentioned in the programme "Gracias, amigos" (Thank you, friends) aired at 8 p.m., local time, specially dedicated to all reporters. This programme was stopped because of reorganization due to the moving, but will again be presented soon. Captain Carlos José Martínez Sánchez, Armed Forces Secretary Assistant, is also giving all his help as a secretary of the station director, in order to have the station present the best on entertainment to everybody.

Reports must be addressed to "La Voz de las Fuerzas Armadas", HIFA, Secretaría de las Fuerzas Armadas, Santo Domingo, Dominican Republic. Apartado 1350 can also be used as it is the Armed Forces post office box, but a new one will be obtained for the station. No IRCs or mint stamps are necessary for a reply.

When the director was asked about the news of a supposed move to the 31 meter band, he flatly denied that there is anything like that in their plans, and that all transmitters they intend to use are the ones mentioned in this article.

* * *

A VOICE THAT PIERCES THE IRON CURTAIN

Part I

The routine is always the same. A distinguished businessman raps on his water glass and asks for attention as the small group of guests assembled in the town's best hotel finish their luncheon desserts and coffee. All is low key, all very exclusive.

The business executive briefly introduces the men at the head table, each of whom is high in the world of corporations. Then he turns to the guest of honor, thanks him for coming and gives a resumé of his career.

After a round of discreet applause, the guest--James M. Roche, chairman of the board, General Motors Corp.--rises and says some of the best chosen words in business.

He suggests that the gentlemen assembled give thoughts to making sizable donations, not for medical research, a minority business enterprise, a church or some school, but to a fund which finances Radio Free Europe.

In the past two years Mr. Roche has put aside his considerable activities at GM for

A VOICE THAT PIERCES THE IRON CURTAIN
(continued)

30 such luncheons and for scores of other occasions connected with promoting the American radio which Americans never hear, but which beams the truth into communist nations in Central Europe.

"I feel the call to help RFE," Mr. Roche told a group of Baltimore businessmen. "I'm totally convinced that RFE is the way American business can perform in getting the honest word behind the Iron Curtain.

"RFE very largely is paid for by businesses and I take pleasure in helping raise the money. This is no chore for me."

The money business men raise pays for thousands of hours of radio broadcasting to Poland, Czechoslovakia, Hungary, Romania and Bulgaria. An estimated 31 million Central Europeans are regular listeners.

Every U.S. President since World War II has praised RFE and urged businessmen to increase their support. President Nixon says it has "my long standing and unreserved admiration."

Businessmen know a bargain when they see one and, dollar for dollar, RFE is considered the best bargain available for telling people in the communist bloc the things their own leaders refuse to tell them.

Founding father of RFE was Gen. Clay. The rugged Georgian had just returned to America after handing the Soviets a crushing psychological, political and logistical defeat during the Berlin blockade, as U.S. military governor in Germany. Without criticizing the government's Voice of America, he told friends that Uncle Sam also needed a privately financed, independent voice to get the word behind the Iron Curtain. In New York, Gen. Clay learned that other business leaders shared his view, and RFE came into being. A relatively small amount of government money was provided, but from the start RFE was basically financed by private donations and by business. Its annual working funds of about \$16 million still come to it in the same way. RFE doesn't break down its sources, but it's believed that in the last two or three years the proportion contributed by business has increased.

RFE, headquartered then as now in Munich, West Germany, began operating on July 4, 1950. First broadcast through the Iron Curtain was made with a 7½ kilowatt transmitter from the back of a surplus Army truck on a lonely road outside Frankfurt.

In years since, RFE has proven its effectiveness. During one recent period it was attacked by name and in public seven times by Gustav Husak, Communist Party boss of Czechoslovakia. An RFE program beamed at Hungarian youth called "Teen-Age Party" has become so popular that the communists tried to ridicule it in a film of the same name. Young Hungarians boycotted the film. Few would attend even when they were escorted, when admission prices were abolished and when they were given time off from work or school to see it.

Red government and party officials often prove RFE's effectiveness by accusing their colleagues of leaking secrets to it. Thousands of letters a week from behind the East-West dividing line reach the famous address--Radio Free Europe, Englischer Garten 1,8 Munich 22. Letters from Bucharest, Budapest, Sofia, Warsaw, Prague and lesser towns in Central Europe ask for information on political events which communist magazines, newspapers or radio did not tell about. They ask for the playing of favorite songs, more coverage on news stories such as the American moon landings and even for straight accounts of sports events which Eastern European teams lost.

A VOICE THAT PIERCES THE IRON CURTAIN
(continued)

One episode illustrates just how effective RFE can be. A Polish boxing team was fighting in Paris and a sports reporter from a Warsaw paper had trouble getting his phone calls through with a running story of results. Finally, he reached his editor in Warsaw on the phone. "Forget it," he was told. "We're getting all the coverage we need off RFE."

The network misses no bets in reaching young listeners. Recently a disc jockey called "Chiriae," who was famous in Romania, came to Munich and asked for a job with RFE. He got it on the spot and these days he has his old program back--same time, same songs, only this time from RFE-Munich, instead of Bucharest.

In the past 20 years RFE engineers have become the world's most knowledgeable on how to get through jamming. There's very little now, except from Czechoslovakia and Bulgaria, and the reason is that jamming backfired on the jammers. RFE engineers had little to do with it. What happened was that the people reacted so strongly when RFE was blotted out that they began saying it had to be telling the truth or else their own governments would not be so anxious to keep them from hearing it.

RFE's credibility is high because broadcasts tell the bad news of America as well as the good. Moon landings are played for all they are worth, of course--but so are racial riots and student bombings.

The fact that RFE reportedly is partially financed by the U.S. government hasn't hurt a bit. It's nothing new to listeners in the communist bloc for governments to put on radio shows. Every word they hear on their own national networks is straight from the regime's mouth.

Nations Business via.....

- Andy Kerr

- Arthur A. Miller

The concluding half of this article will appear in the March issue of FRENDX

"COME IN, MARS"

The last time Mars got within 34,490,000 miles of earth, the Army and Navy lost their cool. It was August, 1924. An astronomy professor and the Washington Evening Star convinced the two military services that Martians might be trying to send us radio signals.

Said a Star editorial: "If we know what wave length the Martians will use and if more of us were familiar with the Martianese language, the matter would be simpler than it is. No doubt the language of Mars is quite a warlike tongue and it may be that the Secretary of War or Secretary of the Navy will be able to decode the message and give it to us in the United States."

The Services didn't see the bump in the Star's cheek and so Chief of Naval Operations Adm. Edward W. Eberle ordered the Navy's most powerful radio stations to fall silent. The Army reacted in the same way. Only the most essential government messages were to be allowed on the air. Service radio operators were told to scan the bands for signals from the red planet. The Army even had cryptologist William F. Friedman, the man who 17 years later was to break the Japanese Purple Code, standing by to decipher the signals.

The kilocycle watch on Mars was started, if not by Signor Guglielmo Marconi, at least

"COME IN, MARS"
(continued)

his staff in 1921. The New York Times on September 2, 1921, front-paged a comment by one of his associates that the inventor was convinced that radio signals reported by some of his company's stations were picking up strange signals from space. Mars, it was thought, had the closest transmitters.

Every 15 to 17 years the planet, because of its elliptical orbit, gets within a chummy 34 or 35 million miles of earth. The year 1924 was such a year. Most years it is hundreds of millions of miles away.

Prof. David Todd, who earlier headed the astronomy department at Amherst College, Mass., had a thing about Mars. First, he wanted to swirl a bed of mercury around the bottom of a Chilean mine shaft. The mercury would serve as a reflector of a giant telescope through which the close passage of Mars could be viewed. The idea was rejected.

But then he got assurance from the Army and the Navy that they would cooperate in his quest for a Martian radio message. Eberle's orders, issued Aug. 21, 1924, went to Naval radio stations in the U.S.; Honolulu; Balboa in the Canal Zone; San Juan, Puerto Rico; Sitka, Alaska; and Cavite in the Philippines.

Maj. Gen. Charles M. Saltzman, chief signal officer of the Army, told Todd that the Signal Corps would listen for any signals the radio experts of Mars might attempt to send. Lt. Col. C. A. Sloane, the Corps' executive officer, said he had "implicit faith" in Friedman's ability to decode Martian messages. The Radio Corporation of America refused to give Todd assurances he wanted, but at least one of its network stations did cooperate. It was WRC in Washington which agreed to fall silent for five minutes beginning the 55th minute of each hour.

As Mars moved nearer, the world waited. In New York telescope owners set up their tripods and sold their peeks through the lenses of their telescope. In the capital the Naval Observatory opened its doors to small groups and Prof. Aseph Hall lectured on the phenomenon. Astronomers everywhere settled down for the long watch.

At 12:30 a.m., Aug. 23, on a hilltop at Dulwich, England, representatives of the Marconi Company and astronomers from London universities turned in their 12-tube set. Like the American radio operators they waited. The next move was up to the Martians.

If only Friedman could have been at Dulwich. Or even at Norfolk. There, just before 1 o'clock and shortly after the government had broadcast orders to all Naval receiving stations to be on the alert for any possible messages, B. A. Mabry and B. G. Cowan, in charge of a receiver for the Atlantic Coast Line Railway, picked up a message. They said it was unlike anything they had ever heard before. The message was not in any code they knew and they described it as "distant and warbling like a far away train whistle." It continued for about 15 minutes. A similar report came from an Army station in Boston.

The New York Times reported from Vancouver, British Columbia:

"Mysterious signals, picked up at Point Grey wireless station here during the last week culminated today in a strange group of sounds, causing wireless experts here to wonder if the planet Mars is trying to establish communication with the earth.

"Four distinct groups of four dashes each came through the ether today, the operators stated. The signals were in no known code, starting in a low note and ending with a 'zipp' and neither a spark nor a continuous wave is responsible for the sound.

"COME IN, MARS"
(continued)

"C. W. Mellish and W. T. Burford, operators of long experience stated that they have never previously encountered such messages. The puzzling activity cut in on their regular messages and every known method of getting rid of the disturbances was tried without success."

Burford told reporters "The fact that I distinctly got four groups of four dashes convinced me that some intelligible communication force was at work."

The tubes stayed hot at Point Grey and operator Mellish held another conference with reporters. This time he said the signal he was getting on his set was "absolutely distinctive and cannot be attributed to any known instrument or to static or to leaking transformers in Vancouver." The signals were heard at 6:20 a.m. and at 7:12 a.m. "The same time that they came in on previous days," the operators said.

On its editorial page the Times was of the opinion that if one wished to hear signals from Mars one could. The signals made headlines all over the nation until the planet started to move away. Then Prof. E. D. Frost, director of the Yerkes Observatory and of little faith, was quoted as saying it is "absolutely ridiculous" to believe that there is any "possibility of inter-communication between two planets by means of radio or other devices."

Mellish and Burford made no more statements for the press. A man named E. J. Haughton, superintendent of the Dominion Government Wireless Service (the operators' boss), had had enough. He told reporters that the combination of four dashes heard by wireless stations in the vicinity of Vancouver were not mysterious messages from Mars. He said the signals were merely those sent from United States Government radio beacons of a new type of transmitter. Obviously someone didn't get the word.

Sunday morning, Aug. 24, newspapers carried the headlines: MARS SAILS BY WITHOUT A WORD. And from London the AP reported: "At Marconi headquarters here attempts to signal the planet Mars were regarded as a 'fantastic absurdity.' Signor Marconi, who is at present away on his yacht, the Electra, it is stated, never has attempted to communicate with Mars nor given it any serious thought."

Mars went back to its old neighborhood. The Army and Navy went back to battling each other over the budget, and the newspapers turned to more mundane stories. It was an election year and the Washington "Griffs" were on their way to a World Series triumph over New York.

Mars will be back within 34,780,000 miles again in August, 1971, but by then the signals coming our way from the planet will probably be from NASA's manmade transmitters. It won't be as much fun.

Robert E. Schweitz in Army-Navy-AF
Times via Glerin Hauser

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LITERATURE IN REVIEW

John T. Soneff, Jr.

"A Year Is 8 Months" by Journalist M. Josef Maza, \$ 5.95, an apparently accurate presentation of historical events leading to the "Czechoslovak Spring", and the circumstances surrounding Novotny's "dismissal" and Dubček's rise to power. It covers the attempt to democratize Socialism; liberalization of news media, and

LITERATURE IN REVIEW

(continued)

reforms; the attitudes of the remainder of the Communist Bloc; and unity of the Czechoslovak people during the August Warsaw Pact invasion. This writer recommends this book very highly to anyone wishing more first hand knowledge of what occurred in Czechoslovakia.

"The Great Radio Heroes" by Jim Harmon, Doubleday & Co., Inc. 1967, \$4.95, a 263 pg. book about radio drama of the 30's thru 50's. As the title implies it presents the heroes of comic strips, soap operas, the airways, newspapermen, mystery programs, etc. "Gangbusters", "The Romance of Helen Trent", "Jack Armstrong", "Little Orphan Annie", "The Lone Ranger", "Inner Sanctum" and scores of other tear-jerking, thrilling or suspense programs are written about. The author was an avid listener during this era of radio grandeur; has collected material from these shows; and talked with many people involved in their presentation. The historical development of many programs is sketched; authors, actors and sponsors are included, as well as excerpts from scripts and paraphrasing of programming. Even those "box top offers" and "secret coded messages" aren't forgotten. Interestingly written with good form the author puts in an occasional dig at old cliches. This reporter regards "The Great Radio Heroes" fine reading for those of us that recall these spine-tingling adventures and the more youthful that might like a glimpse of what radio drama was all about.

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LATIN AMERICAN LEADERS

Marlin A. Field

Argentina	Roberto Levingston
Bolivia	Gen. Alfredo Ovando Candia
Brazil	General Emilio Garrastuzu Medici
Chile	Dr. Salvador Allende
Colombia	Carlos Lleras Restrepo
Costa Rica	Jose Joaquin Trejos Fernandez
Cuba	Fidel Castro Ruz
Dominican Republic	Dr. Joaquin Balaguer
Ecuador	Jose Maria Velasco Ibarra
El Salvador	Gen. Fidel Sanchez Hernandez
Guatemala	Julio Cesar Mendez Montenegro
Honduras	Gen. Oswaldo Lopez Arellano
Mexico	Gustavo Diaz Ordaz (his term expires this year)
Nicaragua	Anastasio Somoza Debayle
Panama	Col. Jose Maria Pinilla
Paraguay	Gen. Alfredo Stroessner
Peru	Jose M. Valesco Ibarra
Uruguay	Jorge Pacheco Areco
Venezuela	Rafael Caldera

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MISSIONARY RADIO

First, 4VEH..... The station advises that reception reports on aerogrammes are acceptable for reception reports. In fact, it may help to speed your reply and it will help to cut accidental mail loss. On the subject of mail, Mrs. Kent Ragsdale, Station QSL Secretary, writes of the new rates for airmail from Haiti to the Americas, Europe, and other world areas. Rates are now as follows: to the Americas 16¢, to Europe 37¢, to other areas of the world 47¢. Please bear this in mind when reporting, for the station is a missionary station and not a government subsidized station, and IRCs are not valid in Haiti - so 4VEH asks that mint HAITIAN stamps (available from the DX Stamp Service - or your local philatelic dealer) be sent when an airmail reply is desired. Finally, Mrs. Ragsdale writes that many people neglect to put the correct address on their reports(!)...or move from the address indicated on the letter. However, all mail received is answered by this very friendly station in the Republic of Haiti. Frequencies are well known to most any shortwave listener: 2450, 6120, and 9770, 11835, and 15275.

Finally, the station indicates a NEW airmail address: Radio 4VEH, Box 90-B, Port-au-Prince, Haiti, West Indies. The old address of Box 1, Cap Haitien, Haiti IS STILL valid!

Now to the other end of the world...and FEBC-Manila. Richard Anderson sends word from the FEBC home office in Whittier, California, that Typhoon Yoling, which slammed into Manila last November, mangled four towers used by the FEBC - two Philippine service towers, two beamed to Indonesia. Additional damage was done to radio equipment when a wall was blown in on it. Only a few minutes of airtime was lost, though the transmission schedule was cut to help compensate for the damage. Contributions for the typhoon relief should be sent to the FEBC office in Whittier.

Finally, TIFC - the Lighthouse of the Caribbean - in San Jose, Costa Rica.... Richard Anderson has received a letter from Mr. Reed B. Miller, U.S.A. Administrator for the Latin American Mission (285 Orchard Terrace, Bogota, New Jersey 07603) dealing with Radio Station TIFC. The operation of the station is being turned over to the Costa Ricans and few reception reports can be answered because it is difficult to obtain the services of an English speaking Costa Rican to handle the verification requests. This problem is being observed closely and a solution is to be found.

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Hats off to Ed Shaw for his past help in the publishing of FRENDX. This is to be his last issue (as you have read elsewhere in the bulletin), so we take this opportunity to say, "Thanks, Ed."

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Next month: Ace Australian DXer Bob Padula brings us DX ATLAS: The New Hebrides - Observations and Impressions, we review EXPO 70 and NHK with Ed Pyatt, a look at the past with Richard L. Murphey, part II of the Radio Free Europe article, Richard Anderson and Radio Rio Amazonas, a few words on T G N A, the Canadian Broadcasting Corporation and Soccer, George Schnabel and "Restoration at Greenwich Observatory, and Larry Zamora with more on the U.S.-Soviet radio war. Look for all these and more, next month in the Short Wave Center.

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Deadline: 08 of the month

It seems that, as always, I stand corrected on several items which I have included in past NewsRooms. I must add again that for myself, as I know all our editors do, I always try to screen all entries which will go into the column, and only use those from sources I know to be reliable; such as regular reporting, NASWA members, WRTH, station bulletins/schedules, or that which I may take off the air myself. But, you, must all remember, for many years reliable sources claimed that the earth was flat and that the sun revolved around it. I rest my case on this, but will add that, naturally, I will continue to bring you the most reliable and accurate information available to me.

RADIO KIYEV (KIEV), Ukraine, USSR

Last month I ran their schedule, but failed to add that the EE broadcasts are only on Monday, Thursday, and Saturdays. On 03 March, they change some QRG as are listed below:

19:30-20:00 9.640/7.120; 00:30-01:00
11.960/11.850/9.760/9.660/9.610; 04:30-
05:00 11.960/11.700/9.760/9.660/7.130. (KL)

MADAGASCAR - Radio Nederland relay

Edward C Shaw reports a tentatively hrd transmission in French on 02 January, 1971, at 12:30 GMT on 17.810 of this relay. This is much sooner than anyone expected to be hearing from this location.

AFRICANS ABOUNDING

If you are lacking those Africans, now is your big chance - The current season is permitting excellent 60 meter band results.

HEATH COMPANY

This famous manufacturer of electronic kits now offers a \$5 discount to new customers; good until 31 March, 1971. (AK)

CHINA, REPUBLIC OF (Taipei, Taiwan)

E. sked: 02:00-03:50 7.130/11.825/
15.125/15.345/17.720/17.780/17.890;
18:00-19:00 9.510/9.685/11.825/15.125/
15.370/17.780/17.890. (MK)

LIBERIA, Monrovia

Radio Station ELWA

Weekday sked: 06:15-08:45 4.770
(10kW) E., F., W. African L; 06:15-07:45
11.950 (50kW), E, Hausa, Twi, Ewe, More;
16:45-21:00 11.940 (50kW), same L (?) w/
English at 20:00. (MK)

NEW ZEALAND, Wellington

E sked: 17:00-05:45 (Home Service)
9.755/11.780/15.110/15.280; 06:00-08:45
11.780/9.540; 20:00-05:45 17.770;
09:00-11:45 9.520/11.820; 08:15-08:45
9.520 (Antarctic Service, Sun only). RNZ
two transmitters radiate total 7.5 kW (MK)

VIETNAM, NORTH, Hanoi

E sked: 05:00, 10:00, 13:00, 15:30,
20:00 and 23:00 1.240/ 7.360/7.416/9.840/
10.224/15.018. (MK)

TOGO, REPUBLIC, Lome (RDT)

sked from QSL; 6.155 05:30-09:00,
12:00-14:00, 16:30-23:00; 5.047 05:30-
08:00, 17:30-23:00; 7.265 08:00-09:00,
12:00-14:00; 16:30-17:30. (JS)
L are F, E, Vernaculars w/E news at 12:45
and 19:50 acc to WRTH.

REPUBLIC HONDURAS (HRVC, La Voz Evangelica), Tegucigalpa

(supliment to January NR) Last month I reported HRVC as E at 15:00-17:00 on 4.820. According to the 60 Meter Survey compiled by Dan Ferguson, also in January Frendx, HRVC has E at 03:00-05:00. Is this in place of, or along with 15:00? (Ed.)

BOOKS FOR THE SWL

The following books may be ordered from Gilfer Associates, Inc., Park Ridge, NJ 07656.

1. "Shortwave Voices of the World" by Dr. R.E.Wood. \$3.95.
2. "SWL Address Book" listing all SW stations and their QTH. \$2.95.
3. "Guide To Broadcast Stations" lists stations by QRG and QTH. \$2.50.
4. 1971 PE "Communications Handbook" covering SW, CB, HAM, et al. \$1.50.
5. 1971 WRTH, if you missed out on the NASWA offer. \$6.95.

I would like to make another comment about the Communication Handbook (#4 above). For the SWL it is a much better book than last year, with a comprehensive comparison of SW/HAM receivers. The overall impact of the book is aided greatly by the fact that (our 6wn) Dr. Richard E Wood edited the broadcast section, and which, as always, is typical of his excellent knowledge and ability in radio listening. Our thanks to REW for making the Handbook one to enjoy.

ANTENNAS FOR SWL

(from same source as the books above)

1. SWV-7 vertical for 11, 13, 16, 19, 25, 31, & 49 Meter Bands. \$33.71
2. SWL-7 Dipole Kit same meters. \$26.79.
3. TRS-57 Transformer Balun for adapting SWL doublet to bands below 4 MC. \$7.43.

LEBANON, Beirut (RBL)

(follow up on January NR)

18:30-20:30, 15.380 to Africa, L are E, Arabic, F, $\frac{1}{2}$ hour each. 23:00-01:00 on 17.715 to S. America, L are Portuguese ($\frac{1}{2}$), Arabic (1), S ($\frac{1}{2}$). 01:30-04:00 on 11.780 (RBL sked still has 11.890, but as Jan NR and Feb REW reports, it should be 11.780) to N. America and Europe, L are F ($\frac{1}{2}$), Arabic ($\frac{1}{2}$), E ($\frac{1}{2}$), Arabic ($\frac{1}{2}$) and S ($\frac{1}{2}$). RBL also has Omnidirectional transmissions (L not mentioned, but Arabic is assumed.) at 04:30-07:30, 16:25-18:20 on 5.980 and at 09:25-16:00 on 9.545. (RBL direct - Ed.)

VATICAN CITY RADIO

(correction of Dec NR) VCR is on 6.130/9.615/11.725 to NA at 00:30-01:30 w/E at 00:50. 6.130 will be replaced by 15.165 in the spring. The 15.285 submitted to you last Dec was almost a year out of date. (RW) What was your source AI? (Ed.)

PORTUGAL, Lisbon (RP)

Although consistently announcing 11.935, RP is noted alternating between 11.935 and unannounced 11.940 in her English service to NA at 02:00-02:45 and 03:45-04:30 (on Mondays GMT programs last only 30 minutes, 02:00-02:30 and 04:00-04:30) evidently to avoid jamming on 11.935, but they run into R. Bucharest on 11.940, also broadcasting to NA at the same time. This seems like the sort of thing that could be worked out by the ANARC Frequency Recommendation Committee and submitted to RP; perhaps? (RW)

GUATEMALA, (R.CULTURAL - TGNA)

Missionary station TGNA is noted on the measured frequency of 9.5062 around 04:00 in English. The Only QRG announced are regular MW .730 and SW 5.955. This is possibly a move to avoid jamming directed against Radio Liberty on 5.955, or reactivation of the former 31 m.b. transmitter. (RW)

MEXICO, RADIO XERMX,

XERMX is greatly expanding her services and now has at least five shortwave transmitters in use simultaneously, and is noted at many different times throughout the day on 21.705, 17.8338 (nominally 17.835), 11.770, and 9.705, running into a severe clash with RSA on the latter QRG in the evening hours. (RW)

HELP WANTED!!!!!!!

Can any of our members assist in writing letters for the Associate NR Editor, Mr. Michalenka, in the following languages; Danish, Arabic, Somali? Also, if anyone of you does speak any foreign language, and would be willing/able to write out a few sample letters for Hank, would you please get in touch with him?

SPAIN, RADIO NACIONAL DE ESPANA (RNDE), Madrid

RNDE has E at 02:00-04:45 on 6.140/11.925. CC reports good QRG on 11.925, but that 6.140 is inaudible. (CC/HM)

CANARY ISLANDS, (RNDE Relay from Sta. Cruz de Tenerife)

Spanish to Latin America, 20:00-04:00 on 11.800/15.365. (CC/HM)

(ES has also given me the 11.800 channel for this country, but, so far, un-logged. Ed.)

Remember that in the month of February many great Americans were born, most especially Mr. Leon David Marks, my father.

SR, RADIO MOSCOW

(remarks on inclusion of RM in Dec NR)

"Many of the frequencies in the Radio Moscow schedule to NA are wrong. For example, 7.200 is 7.205, 9.730 is 9.735, etc. Radio Moscow's schedules always round off final fives to zero; and therefore none of them are of an accuracy suitable for reproduction in Frendx. This has been the policy of RM for many years, but ignorance of it among some DX'ers has led to the perpetuation of horrible errors in the DX press, and to erroneous frequencies in log reports and on QSL cards." (RW)

(Ed. note: see my opening statement. I actually do appreciate the comments above and can certainly see RW criticism/point; however in pure defence of my using RM and perhaps other non-often used station skeds, I have the following three points to offer in rebuttle; and it is to you others who may have the same complaint: 1. For filler purposes, RM sked was handy and there did not seem to be any thing else to use at the time - contributors take note; 2. It may be of help, from the beginners' standpoint at least, to know who is causing the QRM next to the station to which he/she is listening, and such skeds may give some assistance; 3. despite the error of 5 kHz between their reported QRG and the actual measured one, few of us will be able to tell the difference on our equipment; I mean, how many of us have the receiver/equipment accurate enough to be able to get that fussy over the difference between 9.730 and 9.735, and how many have receivers so selective that RM doesn't splash enough to cover both frequencies? To those of you that do have such, please, enjoy!!!)

ROMANIA, RADIO BUCHAREST (RB)

RB invites us to participate in a competition, organized on the occasion of the fiftieth anniversary of the creation of the Romanian Communist Party, which consists of answering one question; "What do you know about the Socialist Republic of Romania?" The answer must have 100 lines at the most, and must be post-marked no later than 31 March, 1971. The winners will be announced in their broadcasts on 2 May, 1971. Send entries to: Romanian Radio And Television, PO Box 111, Bucharest.

Now for RB E sked: 01:30-02:30, 03:00-03:30, 04:30-05:00 on 5.980/6.150/6.190/9.510/9.570/9.690/11.940 (continued)

RB continued:

06:45-07:15 on 15.250/17.850; 11:00-11:30 on 11.920/15.250/17.850; 13:00-13:30 on 15.250/17.710; 15:00-15:30 on 11.920; 19:30-20:30 on 6.150/7.195; 21:00-21:30 on 6.190/7.225. (RB direct, CC/HM)

GAMBIA, Bathurst (RG)

Acting on a tip from our first NR, Al Sizer has logged Gambia, perhaps the rarest African, at their new, later s/off time. Al noted a clear ID in E one Saturday afternoon at 21:30 and then an anthem. Following this was another announcement which he was unable to copy (perhaps in an African Vernacular) and another anthem to s/off at 21:40. As we approach February, which is the traditional best month to log West Africans in New England (what about WCNA? - Ed.), the signal should improve. Our congratulations to Al (again), and we give ourselves a pat on the back! (HM)

(Ed. note: We can be proud whenever we are instrumental in someones success, because it is our duty to do so, but all we really can do is report news as we receive it, so please, people, let us hear from you, you never know what tiny tidbit may greatly aid another person.)

CHILE (ASOCIACION DE RADIODIFUSORAS DE CHILE)

Effective last 01 Jan, Chile's government has ordered several new measures that will affect radio stations in that country, and what we will hear from there. From above date, 25% of the music played must be composed by Chileans and an additional 15% must be devoted to "Chilean folkloric rhythms".

01 Mar, 1971, will see some more revisions, such as; a complete ban on soap operas (the advertisers won't like this at all -Ed.), complete ban on prerecorded advertising, making all commercials live, slowing down routine and adding to the mistakes. (HM)

DATES FOR DX

MARCH

02 Morocco Independence (1956)
12 Mauritius Independence (1968)
20 Tunisia Independence (1966)
22 Jordan Independence (1946)
23 Pakistan Day
26 Lebanon Independence (1941)

APRIL

26 Tanzania formed from Tanganyika and Zanzibar (1964)
27 Sierra Leone Independence (1961) (HM)

KOREA, REPUBLIC OF: Korean Broadcasting System (KBS), Seoul

E service: 03:00-03:30, 09:00-09:30, 13:30-14:00 on 15.430; 08:00-08:30 on MW .970/6.135; 06:30-07:00 on 15.155. (MM)

SWITZERLAND, Bern (SBC)

E service (follow up Nov NR): 01:30-02:00 (NR had 02:30-03:00 incorrectly) on 6.120/9.535/9.750/11.715; 04:00-04:30 on 6.120/9.535; 07:00-07:30 on 3.985/6.165/9.535/9.590/11.775/15.305; 08:45-09:15 on same; 11:00-11:30 on 3.985/6.165/9.535/15.305/15.430/17.795/21.520; 13:15-13:45 has same but 11.795 r 15.430 & 17.845 r 17.795; 15:15-15:45 on 3.985/6.165/9.535/11.865/15.305; 17:45-18:15 adds 9.590/11.720. (direct SBC)

NATIONAL RADIO COMPANY

Albert A Miller, Jr sent HM a most interesting report-in-depth on the financial condition of the NRC (which has been reported elsewhere as being bankrupt - Ed.). His report is much too lengthy to print in it's entirety, but HM has condensed it for NR. As of 15 December, 1970, the company was very much alive, having a new president, Mr Fred Sweeney, who was negotiating with the creditors. Mr Harvey Whitmore, who is manager of the Commercial Equipment Sales Department, has implemented a plan which will de-emphasize the military in favor of building a strong commercial base.

The HRO-500 is still being produced at Norway, ME. A new receiver, the HRO-600, will be available soon, list price of \$3200, so save your money, DX'ers. (HM)

I wish to thank those fine people whose names are listed below, who took their time to send information to me so that this column could become a reality again this month. Without these people supplying the above material, there would be no NewsRoom for the rest of you to read (I hesitate to use the word "enjoy", but at least you must be reading it to know what I'm saying now). In case these stencils don't come out perfectly clear it is my fault since I did all the typing this month. My secretary (XYL) is extremely busy these days, being a wife/mother (which is enough work for any person right there), a working woman, a girl scout leader, and an active member of several clubs of her own, and I just didn't have the heart (or courage) to ask her to take any of her time to do my work for me. So, excuse the typing, forgive the errors, and be thinking about what you'll send in for next month.

KL = Ken Lyon
AK = Andy Kerr
JS = John T Soneff, Jr
CC = Curn Chadwick
BF = Bill Flynn
MM = Mrs Mildred Marshall

ES = Edward C Shaw
MK = Mark S Konen
RW = Richard E Wood
AS = Alvin Sizer
AC = Angelo Coppola
WRTH = my right hand in SWL

SPACE MAGNET

For those of you who may also BCB (MW) DX a bit, a new antenna has been developed by Worcester Electronics Laboratory in Frankfort, NY, called the Space Magnet. It is a 12" ferrite rod which they guarantee to outperform air loops or money refunded. It is completely shielded from electrostatic noise, has a two transistor pre-amp, and they claim a 60 DB nulling.

MOROCCO/TANGIERS

6.170 18:00-00:00 Arabic; 6.190*18:00-00:00 Arabic; 7.115* 06:00-09:00 Arabic, 12:00-00:00 Arabic; 7.225* 07:00-09:00 F, 12:00-14:00 F, 14:00-15:00 S, 17:00-18:00 E, 18:00-22:30 S, 22:30-00:00 Arabic; 9.615 06:00-09:00 Arabic, 12:00-15:00 & 18:00-22:00 Arabic; 11.735 07:00-09:00 F, 12:00-14:00 Arabic, 14:00-15:00 S, 17:00-18:00 E; 15.245 07:00-09:00 F, 12:00-14:00 Arabic, 14:00-15:00 S; 15.345* 06:00-09:00 Arabic & 12:00-18:00; 15.360 18:00-22:00 Arabic, 22:30-00:00 S; (* indicates Sebaa-Aioun Transmitter, the rest being Tangier. - HM)

FROM MY SCHEDULE BOOK (For You Beginners)

These are E or part E: 03:30; ABC 15.105/17.820; Albania 6.097/7.300; Antilles 11.775; Cuba 11.760; RBI 5.955/6.080/6.165; Sweden 9.725; Santo Domingo 4.825; Sumatra (Sn) 2.425/4.855; Tanzania 4.785; USSR 9.580/15.180/17.775; 03:45; Austria 7.245; DW 7.235/9.545; HCJB 9.650; Portugal 6.025/11.935/15.125; W.Pakistan 15.360/17.945; 03:50; RAI 9.630/9.710/11.905; No guarantee of QRG, but try them - Ed.

Thanks again, people, we appreciate your help. May all your news be good news. SHALOM

QSL REPORT

Gregg A. Calkin, Editor
131 Cooper Street, Apt. 903, Ottawa 4, Ontario
CANADA

Deadline: 15th of the month

QSLs RECEIVED

Of particular interest this month, your editor would draw your attention to the QSLs received from the Trucial States (Dubai), AFNT/Taiwan, Radio Pax/Mozambique, the Galapagos Islands, the Clandestine Radio España Independiente plus several rare Soviet transmitter sites.

AFGHANISTAN: Radio Kabul, 17745/15265, map type card; by air for 2 IRCs. Full data; (Jamison)

ARGENTINA: RAE/11710, card in 26 days air. 2 IRCs (Kerr) 9690, 46 days sea for report in English (Gaynor)

ARMENIAN SSR: Yerevan programme sent card in 5 weeks, registered and direct, but without site. IRC (Kolb)

ASCENSION IS: BBC Atlantic Relay, 9510, nice card in 6 wks from London (Bodker)

AUSTRALIA: VNG, 12,000, folder QSL in 17 days air from V/S: C. J. Dodan (Kerr)

Radio Australia, 6100, card w/full data in 181 days. No IRCs (Scoville)
7205, Darwin log periodic card w/full data, specifying Lyndhurst site (Watman) Since RA cards are now designed to indicate the site, please don't forget to mention this in your QSL REPORTS. (Ed.)

AUSTRIA: ORF, 15200, color pic/card of Tirolean village; 19 days (Handler)

BELGIUM: ORU, 17700, card w/all details airmail in 4 weeks, w/schedule. No IRCs sent (Padula)

BOUGAINVILLE IS: Radio Bougainville, 3322, aerogramme in 50 days air. 1-IRC (Jamison)

BRAZIL: Radio Soc. de Feira de Santana, Bahia, 4765, b/w card w/full data and friendly message in English from Father Ambrosio Lobo; plus green/gold pennant. Rpted in Port. w/mint stamps. 59 days time (Hall)

Radio Globo, Rio, 11805, color card in Port. and Eng. w/full data for a rpt in English w/mint stamps. 53 days seamail (Gaynor)

Radio Inconfidencia, Belo Horizonte, 6000, full verification letter w/english postscript from V/S: Oiamar Figueiredo Vieira. 28 days air for mint stamps. (Gaynor)

BRITISH HONDURAS: Belize, 3300, yellow/black map card on 2nd try; 19 days air. 4 IRCs. (Clark) 49 days air for 1-IRC (Jamison)

BULGARIA: Sofia, 9700, card in 27 days air. No IRC (Dickey)

CANADA: Radio Canada, 5970, card from V/S: Brian Townsley in 43 days. No IRCs (Rose-liep) 9625, new card showing a satellite. 2 weeks (Banta) Bluenose II card in 9 days (Sellers) 3 weeks, satellite card (Kalkstein)

CFKX, Vancouver, 6080, letter, incomplete, in 10 days after 4 tries. V/S: Robert T. Bye (Kerr) Excellent; very rare OM (Ed.)

CKZU, Vancouver, 6160, card for 1st and only time heard when RCN grounded; full data in 6 days for mint stamps. V/S: G/ McGrath (Hall) 15 days (Kerr) 20 days for 1-IRC (S. Kamp)

CFRX, Toronto, 6070, new/old City Halls card; 6 days (Marshall) 7 days air from V/S: Clive Eastwood (Gaynor)

CFVP, Calgary, 6030, glossy card of station site in 10 days for rpt w/dime attached. (Sizer) card in 2 weeks (Heggs)

CENTRAL AFRICAN REPUBLIC: Bangui, OCORA style card w/full data and sked on reverse; 3 weeks air for French report and 3 IRCs (Eby)

CHILE: Radio Presidente Balmaceda, 9590, card for English/Spanish report and 3 IRCs in 25 days airmail (Gaynor)

CLANDESTINE: Radio España Independiente, 14480, card airmail in 10 weeks. Posted, without signer or return address at Seine St. Denis, France (Dexter)

COLOMBIA: Radio Internacional, Cucuta, 4985, letter, pennant and stamps in 2 months air. V/S: Yolande Zanna, Secretaria General. SASE sent (Field)

La Voz de Maris, 4775, letter and folder on station in 12 days air from José Vincente Echeverri, S.J. (Dexter)

Radio Nacional de Colombia, 4955, color picture card of Underground Sal. Cathedral, w/ "QSL" superimposed. 18 days air for 2 IRCs (Gaynor)

Radio Santa Fé, 4965, card w/pennant from V/S: Luisa de Bernal in 62 days air. SASE sent (Gaynor)

Radio Sutatenza, Bogota, folder type card, 7 weeks w/all data except time. 1-IRC (Walenter)

CONGO: Brazzaville, 15190, mask/map card in 5 weeks air for rpt in French w/2 IRCs. Also sent New Years card (Leger) 14 weeks for 2 IRCs (Kolb) 88 days air for 2 IRCs (Gaynor)

CUBA: Radio Havana, 9525, stamps card in 318 days w/full data, plus contest info. Air for 1-IRC (Watman) 9525, 3 cards for 2 f/ups in 14 months via airmail (Gaynor)

CZECHOSLOVAKIA: Radio Prague, 2 cards, b/w pictures, 20 days for 7345 kHz. (Handler) 3 photo cards in 1 month air (Leger)

DOMINICAN REPUBLIC: Radio Comercial, sent short but confirming letter w/date from V/S: Johnny Diaz. 2½ weeks air for Spanish rpt w/IRCs (Eby) 4880, 10 days air (Gaynor) Onda Musical, 4795, filled out self-prepared card, stamped and returned in my SASE in 11 days for. Spanish report sent (Gaynor)

ECUADOR: Radio Quito, 4923, letter giving date and verification statement from V/S: Margarita Hedrobo O., Secretaria. Mint stamps sent, and reply came in 1 month along w/pennant (Handler)

Radio Casa de la Cultura, card containing four Quito scenes, w/date and time. V/S: Director. Time: 53 days air for mint stamps (Gaynor)

Radio Iris Esmeraldas, 3375, replied with a personal letter and p/cards from Daniel Alvarez Tenorie, Gerente Proprietario de los Indians (Field)

C.R.E., Guayaquil, sent personal letter and pennant in 3 weeks from Alicia de Blancio, Secretaria. SASE sent, but unused. She writes that HC2AJ, listed in WRTVH on 4650 is the call of the medium-wave outlet and that the station now on 4765, listed as HC2AK in the WRTVH is the one formerly on 4650 (Field). That error has been corrected in the 1971 WRTVH. Incidentally, they seem rather free where they insert the numeral in the call-sign. Reversed, with the call-sign numeral at the end in WRTVH (Ed.)

HCJB, Quito, 15115, color card from V/S: Robert C. Moore, w/skcd and desk calendar. 3 IRCs; 5 wks air (Panta) 17880, 2 months seamail (Sellers)

EL SALVADOR: YSS, blue/white striped card in 15 days for 2 IRCs (Schwing): 5980, 35 days air w/small pennant (Gaynor)

ENGLAND: BBC, card and skcd w/cite typed in; 31 days (Kerr) Which site? (Ed.)

VOA, Woofferton, 6040, card in 11 days from V/S: Vivian Despot (Handler)

FIJI IS: Radio Fiji, 3230, friendly aerogramme from P. L. Littin, C.E., in 13 days airmail saying new QSLs were in the process of being printed. Full confirmation in aerogramme in the meantime (Calkin)

FRANCE: ORTF, card seamail for 5955; 18 weeks, lacks specific confirmation statement, but all other details included. Apologized for delay. (Padula) 17720, card and skcd in 140 days seamail for English rpt and 2 IRCs (Gaynor) 21580, 6 months apologizing for the delay also. No IRCs (Sellers)

GABON: RTV Gabonaise, 4777, card of African continent, OCORA revamped, in 6½ weeks sea for French report and 3 IRCs, plus cancelled US postals. (Soneff) 3 months air (Soneff)

3 months air for 3 IRCs (S. Kamp) 32 days air for French report and mint stamps (Michalenska) 3300/4777, card from Le Chef du Centre emetteur de Melen; 13 months after f/up (Hall) 4 months for French report and 3 IRCs (Eby)

GALAPAGOS ISLANDS: La Voz de Galapagos, Isla San Cristobal, 6257, letter in English and pennant, in 11 weeks airmail from Fr. Carlos Uria Sandoval, Director (Dexter)

G.F.R. VOA, Munich, 5965, card less time in 8 days. V/S: Vivian Despot (Handler)

GHANA: Accra, 11850, plain card and sked in 4 months for 3 IRCs (Konen)

HAITI: 4VEH, 11835, folder card, in red; 41 days for 2 IRCs. Full data (Scoville) 15280, w/religious pamphlets (Handler) black/red folder for 9770 in 2 months for IRC (Schwing)

Radio Citadelle sent QSL for 6157 kHz (Peters) details? (Ed.)

HONDURAS: HRVC, 4820, card in 15 days air for 2 IRCs (Coleman) card in 1½ months; no IRCs (Aden) 18 days air; 2 IRCs (Konen)

Radio America, Tegucigalpa, 6050, sent long, duplicated letter from v/s: Rodrigo Wong Arevalo, International Correspondence Department. Gives details of station, programs, aims, history, plus nice pennant andp/card. Air in 12 wks after f/up; 5 IRCs w/original rpt. Valued, as my third from this country (Padula)

HUNGARY: Budapest, sent card in 40 days seaimail. No IRCs (Kalkstein)

INDIA: AIR, 15235, card of Harva Mahal in 2 months air (Leger) air in 8 weeks, plus sked. No return postage sent (Padula)

IRAQ: Radio Baghdad, yellow map card seaimail in 26 days, all details except definite QSL statement. No return postage sent (Padula)

ISRAEL: Kol Israel, 9625, card of Old Jerusalem w/full data; 7 weeks airmail. IRC sent (Taylor) 2 months (Aden)

Home Service, 7189 kHz, pictorial card w/IBS JERUSALEM in black letters, full verie. 3 IRCs (Shaw)

JAPAN: FEN, 6155, card in 25 days from Frederick Forte, Lt. Col. Full data (Kerr)

NSB/9595, beige/purple card showing a hand holding a mike; 7 months airmail. Different from the map card rcvd in the spring (Calkin) 3945, card w/full data in 5 months air for 5 IRCs (S. Kamp) 3925, 117 days for 2 IRCs (Kerr)

NHK, 21535, beautiful folder card in 17 days air, w/1971 desk calendar and sked (Coppola) 21640, 35th Anniversary card in 1 month. No IRCs (Heggs) 56 days air w/desk calendar (Dickey)

JORDAN: Amman, 7155, card in color showing man/camel/Jordan River, w/full data in 3 weeks. 4 IRCs sent. (Soneff)

KAZAKH SSR: Alma-Ata, 7240, card from Radio Moscow in 5 weeks (Kolb)

KIRGHIZ SSR: Radio Moscow, Frunze, 17840, card from Moscow in 1 month, w/site indicated (Sizer)

KOREA (REPUBLIC): Seoul, 15430, card of ancient banquet hall, sked, rpt forms and 2 colorful books in 46 days (Marshall) 15430, card in 6 weeks air w/full data. Sent thank you note (Soneff) 15430, photo card on 2nd try in 24 days air. 4 IRCs (Clark) 4 weeks for 3 IRCs (Kolb) books on Korea (Banta) 48 days air; no IRCs (Kalkstein)

LIBERIA: ELWA, Monrovia, full data native drummer card in 1 month seaimail for 3 IRCs. (Walenter) 9 weeks (Kolb) 40 days air for 3 IRCs, w/sked (Konen) 99 days sea for 3 IRCs (Gaynor)

VOA, Monrovia, 7200, card w/all data but time in 11 days (Handler)

LITHUANIAN SSR: Radio Vilnius programme, card w/out site in 60 days. Full data (Scoville)

LUXEMBOURG: Radio Luxembourg, black/white card, different from Tower/photo card which comes direct, plus long personal letter and 25 RL 16" x 12" paper streamers. Rpted to London w/3 IRCs. I will send one streamer to anyone requesting same that sends SASE until supplies are exhausted (Estand). Thx Bob, members should write to Bob at 8041 N.

Loop Road, A6, El Paso, Texas 79915 (Ed.) 4 days in transit from London (Coleman) attractive tower card in $3\frac{1}{2}$ weeks for aerogramme report; full data. From Luxembourg (Perry) card w/coat of arms in 6 weeks seairmail from Luxembourg. Full data (Taylor) For those who wish to try and obtain the new card, from London, the address for reports is: 38 Hertford St., London W1Y 8BA, England (Ed.)

MARTINIQUE: ORTF, Fort-de-France, 3315, replied with an attractive station Christmas card and personal QSL letter, w/all details except the time, from L-M. Cohic, Le Chef des Services de l'ORTF en Martinique. 19 days air for 3 IRCs and report in French (Calkin)

MEXICO: Radio Mexico, 9745, form letter and 2 records in 96 days by registered mail. No IRCs (Kerr)

MONACO: Norea Radio/Norway (via TWR), 9585, large multi-colored printed QSL letter in English from V/S: Sigboern Spikkland, Technician, apologizing for the long delay due to lack of staff. All details, total time 13 months; 1-IRC (Padula)

TWR/Monte-Carlo, separate cards for 11865 and 11770 in 14 and 10 weeks resp. All details, seairmail. Sked and paper pennants also sent (Padula)

MOROCCO: RTM/Rabat, attractive folder in 2 weeks for 2 IRCs. Vague QSL message and dated sked (Perry) 6190, card in $1\frac{1}{2}$ months seairmail (Eby)

VOA/Tangier, 11915, card in 3 weeks from Washington (Clark)

MOZAMBIQUE: RCM, card of studio bldg and all data in 2 months air for 11780 (Eby) Radio Pax, 7205, card on 2nd try. SASE sent but not used (Field)

NETHERLANDS: Radio Nederland, Hilversum, 11730, card, world map style, in 12 days air (Marshall)

NETHERLANDS ANTILLES: Radio Nederland, 11730, blue time zone card w/full data; air in 12 days (Banta)

TWR, 11785, card showing xmtr and diesel bldgs; 30 days seairmail. Full data (Jamison) card 11865, in 13 weeks seairmail. (Padula)

NEW CALEDONIA: ORTF, Nouméa, orange card via Paris in 1 month, indicating "New Caledonia" under frequency. (Aden) 22 days air for mint stamps (Gaynor)

NEW GUINEA: Radio Wewak, 3335, aerogram type folder in 19 days air. IRC (Jamison)

NEW ZEALAND: RNZ/15280, card in 4 months seairmail w/date and transmission n° only, w/sked, tourist pamphlet, Kiwi pin (Heggs) 113 days (Watman) 11780, 3 months w/globe card. V/S: J.L. Hartstonge (Sellers) 3 months seairmail (Konen) 4 months seairmail (Gaynor)

NICARAGUA: Radiodifusora Nacional, Managua, 11875, letter w/out details in 1 month

V/S: Sr. Tacho Sanchez Diaz (Handler) 11875, air in 9 months w/spanish letter (Banta)

NIGERIA: Voice of Nigeria, 15185, card w/all details and sked and personal letter from V/S: N. U. Akpar, Senior Technical Officer, Propagation. Airmail in 6 weeks. No return postage. Seeks further reports (Padula) 15365, 35 days air for 3 IRCs (Konen)

NORWAY: NRK, Oslo, 21730, card showing cabins snowed in, w/full data. Air in 10 days (Banta) V/S: E. Thokle (Ed.)

PAKISTAN: Karachi, 17945, form letter and card in 194 days from V/S: Nihal Ahmad, Director of Listener Research (Lyon)

PAPUA: Port Moresby, 4890, blue ABC card in 4 weeks air. IRC (Taylor) 9 wks; 3 IRCs (Kolb)

PERU: Radio Santa Rosa, 6045, letter in Spanish w/full info in 13 days. Rpted in Spanish w/2 IRCs. V/S: P. Francisco Villena C., O.P., Director. (Hall)

PHILIPPINES: Voice of the Philippines, 11950, nice colored QSL on blue tinted paper, all details except time. Airmail in 10 days w/carbon copy of QSL. V/S: Ernesto G. Madrid. For 2 IRCs (Padula)

AFTS (via VOA), 15250, card/sked in 11 days seairmail. No IRC (Kerr)

FLBC, 15300, card/sked in 40 days air. 3 IRCs (Kerr) 11920, card in 71 days w/full info. by air for IRC (Watman)

ICELAND: Warsaw, 11815, map card in 85 days air. Full data (Gaynor)

PORTUGAL: Lisbon, 11840, card air in 16 days w/Listeners Magazine (Dickey)

- ROMANIA: Bucharest, 15250, Castle card w/sked in 6 wks air. No IRCs (Sellers) 2 cds in 3 months air. No IRCs; sked and personal note (Kalkstein)
- RUSSIAN SFSR: Peace & Progress, 15350, yellow card w/sked and station info; 2 months w/full data, except site. No IRCs. (Sellers)
- Radio Moscow, Nikolaevsk-on-Amur, 9780, card in 1 month (Sizer) 7290 in 5 weeks from Moscow (Kolb)
- Radio Moscow, Ivanfrankovsk, 9680, card in 5 weeks (S. Kamp)
- Radio Moscow, Magadan, 11690, card from Mrs. Stepanova in 37 days for 2 IRCs (Michalenka) 5 weeks w/site (S. Kamp) 5 weeks (Kolb)
- Radio Moscow, Sverdlovsk, 7310, card in 5 weeks (Kolb)
- Radio Moscow, Tula, card from Moscow for 9610 kHz (Peters)
- Radio Moscow, Armavir, 21700, card in 37 days from Moscow. 2 IRCs. (Michalenka) 9800, 5 weeks (Kolb)
- Radio Moscow, Blagovanchensk, 9580, card in 5 weeks via Moscow w/site (S. Kamp) Card in 5 weeks (Kolb)
- Radio Moscow, Petropavlovsk-Kamchatki, 15140/15180, 2 cards stating site from Moscow in 5 weeks (S. Kamp)
- Radio Moscow, Khabarovsk, 17770, card in 5 wks (S. Kamp) 5 weeks for 3 different frequencies, all stating site (Kolb)
- Radio Moscow, Moscow, 9680, card stating site in 5 wks (S. Kamp)
- "Radio Moscow program", 7205, card in 37 days (Michalenka) 5 wks (Kolb)
- RYUKYU IS: VOA/Okinawa, 7165, card in 1½ months surface mail (Calkin) 2 mos (Schwing)
- SARAWAK: RMS, Kuching, card in 13 days air for 2 IRCs (Kerr) 14 weeks; 3 IRCs (Kolb)
- SAUDI ARABIA: Riyadh, card in 2 months air for 2 IRCs, featuring Saudi Arabian coat of arms (Kalkstein) 11855, 23 days air; 3 IRCs. V/S: Werner Storg (Konen)
- SEYCHELLES: FEBA, blue printed card, all details, 15265, in 6 weeks airmail and personal letter from V/S: Brenda Bacon. For 2 IRCs (Padula)
- SOUTH AFRICA: Radio RSA, DX-70 QSL for contest frequencies: 15440, 11970, 9755, 6030 in 24 days air (Calkin) 25 days air (Macken) cd for all 4 frequencies; being RSA's advisor for N.A. (Wood) 11970 and 9755, 1 month (Handler) 9675, card in 19 days air (Dickey) 3 weeks air (Clark) cards in 24 days air (Leger) 26 days (Banta) 6 weeks for contest; no IRCs (Kolb) 15220, 2 weeks; 2nd class (Sellers)
- SABC, 3250/3285, separate cards, multicolored industries in 138 days for 3285 and 145 days for 3250 (Hall)
- SPAIN: Madrid, 11925, color studio card for 6140 kHz; 12 days w/sked (Bodker) 12 days color card of station master control panel and xmtr (Handler) card, pennant and note in 1½ months seamail (Leger)
- SUDAN: Omdurman, 4994, large form letter by air in 4 weeks. V/S: Abdel Rahman Abdel Basit. SASE sent and used. Rpted by registered tape (Pappas)
- SWEDEN: Radio Sweden, 9725, card in 14 days air. V/S: A.D. Leander. Full data (Dickey) Full data (Dickey) 5990, air in 3 weeks (Banta)
- SWITZERLAND: SBC, 9535, card from H. Chisholm in 29 days air, w/sked (Maslak) 9535, 6 weeks seamail showing Zürich airport (Banta) 2 months sea (Kalkstein)
- SYRIA: Damascus, 15165, white globe card in 3 months air w/sked. V/S: Atieh El-Joudah. 3 IRCs (Konen)
- TAHITI: Radio Tahiti, 11825, b/w mermaid card, complete and correct data in French, by air in 16 days w/French sked. 6 Tahitian stamps and color p/p/card also rcvd. 3 IRCs sent w/report in English (Estand) Christmas card and p/card (Matthews)
- TAIWAN: AFNT, Taipei, 7215, card seamail in 20 days. No IRCs sent (Kerr)
- VOFC, map card in 3 months for 2 IRCs (Schwing) card, sked, magazine, rpt forms and p/p/cards; 3 weeks air for 3 IRCs (S. Kamp) 17720/17890, map card in 1 month airmail for 3 IRCs (Konen)
- TOGO: Lomé, 5047 kHz, globe card, w/date and time. 4 IRCs sent; also thank-you p/card. (Soneff) 1 month for 2 IRCs (Schwing)

TRUCIAL STATES (DUBAI): Saut as Sahil, 6040 kHz sent letters in about 3 weeks. Although not a perfect verification text, the tone of the letters indicates a QSL intent. Letters contain details of station and is signed by H. Abbott, Engineer-in-Charge who makes no bones about his dislike of the country. One puzzle though; the report was sent to Sharjah, but the reply came from Dubai. Perhaps the station has moved (Jensen, Dexter). It would seem so, gentlemen. '71 WRTVH lists them in Dubai now - check next ITU list for confirmation (Ed.)

TURKEY: TAU, Ankara, 15160, card in 3½ months airmail from V/S: Elizabeth Selanik. 3 IRCs sent w/rpt (Konen)

UKRAINIAN SSR: Radio Moscow, Lvov, 7150 kHz, card from Mrs. Stepanova stating the site (S. Kamp) 5 weeks for 7150 kHz (Kolb)

"Radio Kiev program", 7330, multi-colored card of the Ukraine in 1 month with schedule (Sellers)

U.A.R. Cairo, maidens card, in French and Arabic. 3 months seammil with current sked (Kalkstein)

UNITED STATES: KC2XIQ, the experimental WWV outlet, 15560 kHz sent form letter saying no QSLs were being issued as it was only a test transmission, for experimental purposes. No IRCs sent (Field)

VOA/Greenville, 9635, card in 9 days airmail. VS/ Vivian Despot (Dickey)

WINB, Red Lion, Pa., 11795 kHz, black/white card in 10 days (Clark)

WNYW, New York; (xmtr: Scituate, Mass) 9690, card and sked in 17 days

for mint stamps. (Lyon)

UZBEK S.S.R. Tashkent, 9600, card in 2 months. No IRC (Marks) 1 month air w/Chimes card (Kalkstein) 11925, 5 weeks air for 1-IRC (Taylor) 3 weeks for 1-IRC (Schwing) air in 8 weeks (Banta) w/Xmas card from V/S: Mrs. Markhamat Tadjieva (Banta)

VATICAN CITY: Vatican Radio, 9615, nice color card of antenna in 19 days (Bodker) 9630, card showing interior of xmtr building; 2 weeks air. No IRCs. Full data (Sellers)

VENEZUELA: Radio Barquisimeto, 4990, nice card in 20 days. No time. Rpted in Spanish with 1-IRC (Leger) 18 days airmail with network card. Reported in Spanish, using NASWA form, w/IRC. (Watman)

Radio Juventud, 4900 kHz, network card (Peters)

Radio Lara, 4800, network card in 17 days airmail for 2 IRCs and Spanish language report (Gaynor)

Radio Nacional, 6170 kHz, green/white card w/date only. 14 days, by registered airmail for English report and 2 IRCs. Also sent large pennant (Gaynor)

Radio Rumbos, Caracas, 4970 kHz, photo card of the Plaza Venezuela. 2 mos seammil for English report w/2 IRCs. Card is printed in English and calls attention to their new 31 meter band frequency (Calkin) ditto in 54 days. 2 IRCs (Lyon) 32 days airmail, featuring color picture of Caracas. (Gaynor)

Radio Universo, 4880, Cadena Venezolana network card in 20 days seammil. Reported in Spanish with IRCs (Calkin)

Radio Valles del Tuy, 6129 kHz, sent folder card w/Venezuelan folklore scene. Card has frequencies typed in and contains a vague verie statement. 44 days air for mint stamps (Gaynor)

VIETNAM (DEMOCRATIC REPUBLIC): Voice of Vietnam, Hanoi, 10040 kHz, sent form letter, in 5 months via Czechoslovakia, w/propaganda magazines (R. Fisher) 15020, V of V card showing 2 maidens and stamps; via Prague in 35 days. No IRC (Jones) 10044, prepared card w/all details; 13 wks (Padula) 15020, 2½ weeks via Prague w/sked for Havana relay (Morgenstern) 4½ months sea (Eby) 3½ months air via Hanoi (Konen)

YUGOSLAVIA: Radio Belgrade, 6100, folder card in 71 days w/full data. 1-IRC (Scoville) 9620, 1½ months air w/folder card on Jajce, plus book: "Facts About Yugoslavia". IRC (Hogarth) 9620, photo cd in 1 month air for IRC (Taylor) 73 days for 1-IRC (Watman) 9620, full data folder card in 7 weeks airmail (Banta)

This month, we would like to extend special thanks to all our regular supporters, and especially to this month's contributors:

Frank E. Aden, Idaho	Richard S. Heggs, B. C.	Mrs. M. Marshall, N.D.
John Banta, New York	F. Earle Hall, Massachusetts	Anthony Marks, Oregon
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Robert Fisher, California	John Leger, Kentucky	Ed Shaw, Virginia
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Lawrence Scoville, La.	Mike Macken, Massachusetts	John Walenter, Ill.
Mike Watman, New Hampshire	Peter Taylor, Ontario	Richard E. Wood, La.
Harold Sellers, Ontario	° ° ° ° °	John T. Soneff, La.

SCOREBOARD

Your editor would like to remind you that next month, our tri-monthly SCOREBOARD will return with the spotlight on NORTH AMERICA. All members are requested to update their totals before the deadline, February 15th, and new members are invited to send in their totals for inclusion in the chart. Include the number of Countries Heard (HIC) and Verified (VIC), the number of Stations Heard (HIS) and Verified (VIS) and the number of Countries Heard and Verified in North America, plus the name and frequency of your best North American QSL.

REPORT FORMS

Report forms for QSL REPORT and SCOREBOARD are available for a stamped self-addressed envelope from the Executive Editor, Bill Eddings. Foreign language reception report forms are available from the QSL Editor for 1-IRC per form plus a business envelope, self-addressed. Please do not affix US stamps as they are not valid in Canada, although they will be acceptable if sent with the envelope, mint, and unaffixed. The report forms are available in French, Spanish, Portuguese and Indonesian.

FEATURED QSLs

Each month, in the form of QSL OF THE MONTH, we feature one rare QSL which we feel may be of interest to the membership. If you receive a rare QSL which you think might be of interest, why not suggest it to your QSL Editor. Then, either send a clear photocopy or the QSL itself (it will be returned, undamaged) to the QSL Editor in order that a stencil may be made for the column. In particular, QSLs which have a clear distinction between light and dark portions, without photographs reproduce best. Remember, your club is only as good as you, the members make it.

If there are QSLs which you would like to see featured, drop a line to your QSL Editor as well and we will do our best to feature them in a future issue.

REPORT TODAY! SUPPORT NASWA! REPORT TODAY! SUPPORT YOUR FAVORITE COLUMNS! SUPPORT NASWA!

QSL OF THE MONTHpresentsQ
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Our featured QSL this month is indeed a rare station, the Burma Broadcasting Service in Rangoon and is shown to us by member Robert Fisher, of Los Angeles, California, Editor of the Misfit Manor DX News. Robert writes to say that the QSL was received some time ago, and due to its rarity, he considers it one of his most prized QSLs.

Robert is indeed lucky. There have been no reports of QSLs from this station, despite numerous reports, for many years. It seems to your editor a very great shame that a station, such as BBS which is clearly heard in many areas of North America on 60 meters, consistently refuses to provide this small courtesy to its distant listeners. Although possibly hard to believe, there are still many stations which do not seem to realize the enormous amount of good will which would be generated by even the simplest reply to foreign listeners. More than one listener has been after this station for more than 15 years!!

SINCERE THANKS!!

In closing this month's QSL REPORT, your editor would like to draw attention to the great debt we all owe member Ed Shaw, who, when Bill Eddings could not continue with the publication of NASWA, volunteered his time and efforts on behalf of us all to ensure continued issues of FRENDX. Make no mistake, the printing, collating and mailing of your monthly SW bulletin takes many long hours; more than most of us would perhaps like to admit! The difficulties through which we have just come remind us all of the importance and dedication of a devoted Executive Editor such as we have in both Ed Shaw and Bill Eddings.

And so, until next month, Best 73s and loads of DX QSLs to you all, GREGG.

N A S W A L O G R E P O R T

Dan Ferguson - Editor
P.O. Box 8443
Coral Gables, Fla. 33124

Monthly deadline is the 12 th

Tel: (305) 284-5714

PLEASE NOTE CHANGE - - - DEADLINE IS NOW THE 12 th OF EACH MONTH. MAIL IN TIME!!!

To make it a bit easier for you to prepare your reports to this section, let me outline the process I use to prepare the section. First, each item is credited with your initials. This means I need room to make such notation after each item. Next your report is cut apart and all reports arranged by frequency. This means I need room between items for cutting, and that reports must be written only on one side of the paper. Frequency MUST be listed first, and reports arranged by frequency; otherwise the time I have to spend on each report is doubled, and I already spend 30-40 hours a month on the LR section. So, please keep these things in mind when preparing your reports. Thanks.

- 2160 MEXICO XEVJ in Sp tlk by man 1407; fair 15 Dec(SFC)
2340 CHINA Foochow 1410 oriental lang; fair 15 Dec(SFC)
2360 GUATEMALA TGBA, R.Maya de Barillas, Huehuetenango; good during holidays 0230-0300 s/off w/Lord's Prayer. Rel pgmg, carols, classical mx. Erratic since(FEH)
2450 HAITI 4VSO; 0950 pops, chimes, anthem 0957 son Fr; 1000 rel pgm(FEH)
2678 COLO,BIA R.Trans.Apolo, Bucaramanga s/on 1000. Has LA pops, TCs, easy IDs; past 1100. Also 0200-0300, past 0601 Christmas Eve. Many IDs, good lvl(AVS/FEH/GLD/HM)
2800 CHINA Fukien listed; YL in Chinese; good sig(AVS) Whoops, no time given. (DF)
3200 MEXICO XERBB, new stn; 2300 t/i to 0130A s/off. Slogan "R.Alma Musical", no QTH given at first, now given, unable to read. to 0515 Janl.(DDH)1200 mix China(AVS)
3202 THAILAND Educational BC stn; s/on 1057, YL ancr, some EE, mostly Thai, mx(FEH)
3204 INDIA Presumed Lucknow from 1222 tune; Indianmx; YL singing, lang past 1300(GLD)
3205 NUMBERS stn in Sp 0614(DJ)
3227 LIBERIA ELWA Afr mx, singing, EE anmts 2030-2116*(FEH)EE 0620 //4770 better(BM)
3230 FIJI R.Fiji w/EE R.Nederland transcription 0845, ID 0900; good lvl(GAC)
3240T PERU OBX4U, R.America w/Indian mx; Sp; poor w/RTTY 22 Dec(SN) Time on that is 0130
3255 LIBERIA ELBC w/man ending nx 2205; weak(AVS)
3260 CHINA KWEIYANG listed, poor w/YL in Chinese 1140(AVS)
3260 NIGER Niamey w/FF mx 0600, fair; local mx to 0630*(BM)2207 Sat, poor(AVS)
3265 BRAZIL UNID stn here, 2 listed, mood mx; CW QRM 0350(AVS)
3265T VENEZ R.Nirgua to 0255* w/anthem, ID & fqys; fair 23 Dec(GLD)
3280 GRENADA WIBS 2315 EE nx, ads(ECS)
3284 FIJI R.Fiji s/off Hindi w/GSTQ Sat 1103(AVS)Vernacular Svc 0745 tune(GAC)
3300 ER.HONDURAS R.Belize 0000-0346 w/EE & SS anmts, pops(JS/SH/TH)
3314 VENEZ R.Maracay w/R&R mx & ID 0600*(BS)
3315 ECUADOR R.Pastaza 0310 Sp mx(SFC)
3315 INDIA AIR Bhopal 1400 native mx(SFC)
3315 MARTINIQUE ORTF, Fort de France; excellant 1000 s/on, ID, mx, ads, past 1100 (GAC/JY/AVSTH)FF variety pgm 2310 past 0200(BM/RWP/ECS/JY) (AVS/
3316 SIERRA LEONE RSL 0642 EE tlks & ads, BBC mx: 0655, off 0723A(DJ,RWP,BS)2205 EE nx
3322 BOUGAINVILLE RB w/native singing, anmts 0800(BS)barely readable 1000(GAC)
3335 N.GUINEA R.Wewak w/CW mx; native anmts 0830(BS)
3336 SENEGAL Ziguinchor w/fair sigs 0645, FF talk by man(BM)
3339T ZANZIBAR RT Zanzibar weak w/chanting 0338; CWQRM(DJ)
3345T BORNEO Believed Pontianak in lang w/man 1144; gone in 5 minutes(AVS)
3346 ZAMBIA Lusaka 0335 Afr mx; good(SFC)
3350 GHANA Ejura 0643 w/Nat'l Svc EE mx; sports, //4915 better(DJ)
3355 N.CALEDONIA Noumea sometime strong 1030-1100* w/LM, //7170, French(FEH)

- 3360 GUATEMALA LV Nahualá s/on 1100, strong for an hour; easy ID, TCs records(FEH)
- 3360 CLANDESTINE planó spy stn on 4883 last year; FCC says Hung.govt operation(BM)0530
- 3365 VENEZ R.Puerto la Cruz 1015-1050 f/o w/LA pops, TCs, IDs(FEH, MAF)0222 QRM DR(GLD)
- 3365 DOM.REP. R.Exitos 0022 ID, mx(TH)0606 tlc, ID, LA mx 1 Jan(JDT)
- 3366 GHANA Accra in EE by YL 0610; fair 28 Dec(SFC)
- 3375 VENEZ LV de la Fé finally hrd thru ute QRM w/LA mx, ID 0200(AVS)
- 3378A ECUADOR R.Iris, HCDY4, Sp pops, ads 0135; fair(SN)
- 3380 MALAWI Blantyre w/Afr lang 0307, Afr mx; buried by Chortis 0331(JY)0325 ads, EE time checks(ECS)EE ID 0230, Afr mx; good lvl but QRM R.Chortis(SFC)
- 3380 GUATEMALA R.Chortis 0445 Sp mx; 0502*(DJ)
- 3385 PERU LV del Valle fair 0140 Sp pop.mx, RTTY QRM(SN)
- 3385 N.BRITAIN R.Rabaul 0750 native choir mx, native anmts(BS)
- 3385 FR.GUIANA Cayenne FF tlc by man 0035(DF)On late 10 Jan 0640 FF anmts, mx(RWP)
- 3395 VENEZ R.Universidad 0932 t/i ahead of list s/on. Usual?(GAC)0340-0356*(JDT)
- 3396 NIGERIA NEC w/EE by man 0605; fair 28 Dec(SFC)
- 3400T CHINA FBS lists Peoples Lib. Army, Fukien; lang 1215, fair(BM)
- 3450 CHINA Peking listed, sounds like weak regional; usual tlc 1150(AVS)
- 3535 CHINA Fukien w/martial mx, good 1143(AVS)
- 3925 JAPAN JOZ w/YL in Japanese, under Papua 1100(AVS)
- 3925 PAPUA ABC, Port Moresby w/ABC mx in EE 1100(AVS)
- 3930 CAPE VERDE IS R.Barlavento, to 0100*w/anthem 25 Dec; rough ham QRM(FEH)
- 3975 ENGLAND BBC 0619 lang, EE ID 0630, into Hung(JDT)Hungarian mx 0530(REW)
- 3975 ECUADOR Believe hrd ID for R.Sira at 1100; irregular(AVS)
- 3985 ECUADOR IDs as "Ondas Populares"; Indian folk dance mx 1050(AVS)
- 3985 SWITZERLAND SBC 0650 choir & other mx, IS & EE ID 0700(JDT)
- 3986 NIGERIA NBC.Lagos; 0505-0515 t/o w/EE mx, ID, Christmas mx(DW)Good 0600 EE(SFC)
- 3994 ECUADOR LV del Rio Tarqui 0545 Sp mx(SFC)
- 3995 SOLOMON IS SIBS w/light orch mx 1007, //7235, which was weaker; mx pst 1026(JY)
- 3999 GREENLAND w/US pops, YL ancr in Greenlandic, good sig 1100(AVS)
- *4030 RSFSR Vladivostok w/local ID 0700 after 3 years. RR mx, local dance mx(BS)//5015
- *4035 TIBET-CHINA YL in Chinese, //5935, 9490, other reputed Lhasa fqys(AVS)Time?(DF)
- 4230 UNID "Pomp & Circumstance" march, then YL w/Sp numbers 1105(AVS)
- 4698.5 ECUADOR R.Nac.Progreso 0500 Ec mx, 0610 Sp tlc, 10 Dec, day of earthquake(ESB)
- *4708.5 ECUADOR R.Nac.Progreso, NF, 0400 Ec mx/ID(BS)0445* 24 Dec(ESB)0422-0500 t/o(DW)
- 4725 BURMA BBS w/carols, rel pgm in Burmese 1137(AVS)1205 Burmese mx(DJ)1220 mx(BM)
- *4750 COLOMBIA EM.Nuevo Mundo 2355, ID 0000, into mx(SN) Fqy? Usually on 4755(DF)
- 4753T INDONESIA Makasar blvd stn here 1230 w/local mx, lang(BM)
- 4757 BRAZIL R.Dif.Maranhão strong.0045 w/PP anmts by man(SFC)
- 4760 PERU R.Tingo Maria w/Andean mx & ID 0500*(BS)
- 4765 ECUADOR CRE 1045 w/s/on anmts after LA mx for 10 minutes, into rel pgm(HM)
- 4770 ECUADOR R.Guayaquil w/Sp, mx, nx 0200(SN) ID? Should be CRE at this time & on 4765. RG previously reported from 0500 after CRE s/off, same transmitters(DF)
- 4770 N.KOREA Pyongyang HS strong 1400 w/HS pips, //655 MW(SK)
- 4770 LIBERIA ELWA 0630 EE rel pgm(SFC)0643 EE rel pgm, requests(TH)
- 4775 BOLIVIA R.Los Andes ID by man, fqys, organ mx & sudden s/off 0402(DW)
- 4775 AFGHANISTAN Kabul w/EE ID 1400, good lvl 17 Dec(SFC)
- 4777 GABON Libreville w/FF mx 0542(SFC)Weak 0453 w/tlc & mx(DJ)
- 4780 RSFSR(Eur) Moscow list 0520 tune w/M&W in RR(GLD)
- 4795 DOM.REP. Onda Musical 1040-1101 t/o w/easy listening LA mx, many IDs; exc(JDT)
- 4807 ECUADOR R.Popular de Cuenca 2310 pops, Sp anmts, poor(lost the credit-sorry-DF)
- 4810 VENEZ R.Popular well hrd 0130 past 0245 w/LA mx, IDs, ads(JR)
- *4815 CHINA Peking w/ IS & "Goverit..."(GLD)
- 4815 UPPER VOLTA Ouagadougou fair 0655 in FF w/native mx(BM)
- 4815 PIRATE(USA) WSLH, Baltimore, 4x1604) 2 days 2100A, fundamental unhrd(BM)
- *4820 GAMBIA RG off & on for weeks 2100-2133*. Nx in 3 langs, some EE; EE ID at s/off. Mx on cora harp(FEH/AVS)Noted.0700-0800, 28 Dec, in unsked time slot. BBC & Nat'l mx in EE, later mx in other langs. Several good IDs to 0800*, one day only(BM)

- 4820 INDIA Presumed AIR Calcutta at 1313 w/Indian mx & man ancr; fair lvl(GLD)
 4820 RSFSR(As) Magadan 2230 RR, 2300 TS & Asian lang(ESB)
 4820 HONDURAS HRVC 0335 EE rel pgms to 0505 s/off(RB, SH, JBa, AAM, PM)
 4825 DOM.REP. LV Fuerzas Armadas 0345-0430* w/IDs, classical mx(JR)
 4825 TURKMEEN SSR Ashkabad in vernacular 2200* daily(GAC)Moscow IS 2130, lcl pgm(BM)
 4828 RHODESIA Gwelo 0400 EE mx & ID(BS)
 4839 CONGO(DR) Bukavu 2007 pops & Afr songs, HL mx; to 2100* daily(AVS/FEH/JBe)
 4840 ANGOLA R.Cuanza Sul guitar IS, singing to 2200*(FEH)2230PP pgm; tentative(ESB)
 4843 CONGO(PR) Pointe Noire from 0511 w/native mx; FF anmts; good lvl(GLD)
 4845 BOTSWANA RB, 10 Jan almost clear 2030-2100*; may be only clear time for this(FEH)
 4850 MAURITANIA RM: 0700 AA mx thru RTTY(SFC)2200mx in lang, ID 2210, then FF(ECS)
 *4855T MOZAMBIQUE A Voz de M. w/lang anmts 1642, pops, tentative ID 1645 by YL; mention LM; 4 gongs, which agrees w/WRTH; hrd 1635-1705, another stn s/on 1700; who?(ESB)
 B pgm to 2211 anthem & s/off; EE & vernaculars, vx, etc(FEH)Uh, FEH item on 4855(DF)
 4855 SUMATRA RRI Palembang 1157 Indo pops(AVS)1615-1700, guitar IS(DW)Out order(DF)
 4865 AZORES Em.Reg. 2230-2302* w/AP; after variety of mx:(DJ/RWP)
 4865 BRAZIL R.C.do Belém de Brasil 0825; assume variation of ID(RSH)0945-1015 PP(JR)
 4865 CHINA Peking listed; Chinese 1220(GLD)
 4871 DAHOMEY Cotonou 0535 M&W in FF(SFC)2130-2300* SAT(AHR)2200*Tue(JDT)2140 mx(ECS)
 4872 VENEZ R.Tropical 0330 LA mx, fair 22 Dec(AHR)
 4875 BOLIVIA La Cruz del Sur, classical piano mx 0145, Sp, past 0246; 0301*(JY)
 4880 VENEZ R.Universo 0246 LA mx, slow pops(RWP)
 4881 DOM.REP. R.Comercial w/LA mx, ads & IDs 0450-0630*(JY, SK, DJ, JR)
 4885 RSFSR(As) Novosibirsk listed, 0545 RR HS; 1245 in Novosibirsk; FE or extreme West more likely.(ESB)Yes, but Novosibirsk still possible as path mostly dark. Anyone have any info on other transmitters here?(DF)
 4890 PAPUA ABC Port Moresby 0900-1315 w/ABC mx; lcl nx, vx, mx(JR, JBa, TH, AAM)
 4890 SENEGAL Dakar s/drums 0555, anthem, FF ID, TC 0600(SK, TH)
 4890 VENEZ Rdfi Venez w/US pops 2325, IDs(DJ)
 4895T BRAZIL R.Baré PP tlk, Manaus mentioned, sports; poss ID 0321, lost or 0322*(DW)
 4895 TURKMEEN/RSFSR(Eur)? Ashkabad & Tyumen listed; RR 0523, cl mx, MW, 6 pips 0600 & ID for "Govorit..."(GLD)Tyumen list, 0430 RR HS //5900, 5910(ESB)
 4900 VENEZ R.Juventud 0430 Sp, LA mx; nx(CB)0415-0435*(SH)0345-0430(JR)
 4904.5 CHAD Ft.Lamy w/mx: px: 2105, FF nx: 2115, 2130 w/anthem; QRM Peking(GAC)2200* after FF by OM(ECS)
 *4905 CHINA Peking 2130 rev songs(GAC)2245 Chin. HS past 2300, fair 1 day(ESB)
 4915 KENYA VoK exc in native 0419; M&W ancres(GLD)Swahili, pops, ads to 0422 t/o(AVS)
 4915 GHANA RG 0600 EE ID, TC, N:E(SK)0620, //3350, lang tlk, Afr songs(DJ)
 4916 COLOMBIA R.Guatapuri 0419 fair in SS, IDs, mx:(DJ)
 4920 AUSTRALIA ABC, Brisbane 1155 mx; N:E 1200(TH)1242 pops of the 1940s, EE(AAM)
 4920 ?LATVIAN SSR(Tent.) 2145, Suspect Riga may be the one here; Ger to 2200, then RR(ECS) W.USSR, Moscow RR2100(HM)2247-2300(GLD)2230-2300 RR HS(ESB) Just checked WRTH 71. It shows Moscow here 1600-1930 to Europe. Is likely extended.(DF)
 4920 INDIA AIR Madras 1530 N:E by YL(BS)
 4923 ECUADOR R.Quito 0238-0303 mx & nx(SH)0430*; good 5 Jan(AHR)
 4926 RIO MUNI Bata 2145 w/ SS & mx(GAC, ECS)
 *4930 DOM.REP. R.Mil; 0458 Sp ads, IDs, mx:(DJ)0806, 19 Dec(JDT)0730-0805(RSH)On late(DF)
 4940 IVORY COAST Abidjan 2558 tone, anthem, FF ID, EE & FF mx(TH)2215 FF drama(RWP)
 4960 VENEZ R.Sucre, Cumana; exc to 0400*; carries Rumbos nx: 0330-0400, //4970(GAC)
 4965 S.AFRICA R.S.Afr. from 1800 w/rel svc; poor(RFB)
 4980 GHANA Ejura w/EE nightclub px: 2245, 2300*; QRM Venez(SN)
 4980 VENEZ Ecos del Torbes w/full ID 0910 in EE, then SS. LA mx & anmts past 0921(JY)
 4989T INDIA AIR Bhopal listed; Indian mx; lang; 1536-1552 f/o; QRM 4990 FE stn(DW)
 4990 KAZAKH SSR Alma Ata 0330 RR & Kazakh; also 1330 RR(ESB)M&W w/N:R 1202//10530(AVS)
 4990 NIGERIA NBC Lagos 0615 pops & EE //4932 Benin(BS)US jazz, EE 2145(AVS)N:E 2205(RWP)
 4994 SUDAN SBS 0400 past 0430 chants & A:ESB, RWP, GLD, DJ)1530 AA mx:(BS)2130-2200AA(FEH?ESB)
 4995 BRAZIL R.Brasil Central 0836 rel pgm Sunday; fair lvl (TH)

- 5005 UNID 10/11 Jan, from 2300 w/mx pgm, EE records s/off by man 2345 & 2350(MAF)
- 5009 DOM REP R.Cristal; 0251-0506- pops, mx, ads, IDs(JY)0535 anthem & s/off(TH)9625 mx, ads, IDs, 1 Jan(JDT)0928 anthem, s/on, strong(FEH)
- *5010 SINGAPORE BFBS now to 1530* w/last hour in EE, after Malay to 1430(BS)
- 5010 CAMEROON R.Garoua 0625 mx, exceptional signal(MAF)
- 5015 CLANDESTINE NUMBERS stn 2130 IS, 2 135 Ger 5 digit numbers, 22 Dec(ESB)
- *5016 RHODESIA Gwelo 0405 N&E, ID, commercial svc in EE(BS) NF(DF)
- *5020 VENEZ R.Carora w/full ID prior to 0204* in SP(ARN)
- 5024 ECUADOR R. Splendit LA mx, poor audio, 0200(AVS)
- 5026 UGANDA at good lvl from 2045 w/mx, ID, nx 2100; 2106* after anthem(GAC)
- 5030 DOM.REP. LV Papagayo LA mx, ID 0629(JDT)0355 IDs, anthem & off 0400A(RWP)
- 5032.5 ANGOLA RC Cabinda 2245-2303*; mx, PP armts, AP(ESB)2300*, QRM Bangui 5035(MAF)
- *5035 PERU R. Ilo w/pop LA dance mx: & ID, 0500*(BS)
- 5035 C.AFR.REP Bangui daily 2100, past 2210 w/Afr mx, FF armts(MAF,GAC,JDT,RWP)
- 5035 COLOMBIA LV de Caqueta good w/LA mx, IDs 1055(AVS)
- 5035 USSR? What may be Alma Ata Foreign Svc 1330 Asian lang, 1400 bell IS, lang(ESB)
- 5040 VENEZ R.Maturin w/pop mx, 0330 relay nx from Cir.Nac.Rumbos, ID 0400*(BS)0320 sports, IDs for stns in Rumbos net 0340(MAF)0350-0400* LA mx, many IDs(JDT) (SFC)
- 5040 BURMA BBS poor 1100 s/on, improving; tlks, mx past 1215(JBe)-1427(JDT)-1445 N&E
- 5040 GEORGIAN SSR Tbilisi s/on 0200; mx, cl. mx(ECS)0540 mx, pips 0600(MAF)
- 5041v ECUADOR R.Centinela del Sur; 0430 messages, calling R.Nac.Espejo; day of quake(ESB)
- *5042 P.GUINEA Bissau 2130, as late as 0030(ECS)Tlk 0725(SFC)*0700 PP, PP songs, Afr songs 0715(BS)0030-0100 mx: pgm, strong; Brasil audible after 0100*(MAF)
- 5045 BRAZIL R.Quitandinha from 0328 tune w/tlk & march mx(GLD) (TH,RWP)
- 5047 TOGO Lomé 2100-2300* Fr, Afr mx, pops, discussion(RWP,ECS,JDT,AHRDJ)0530 pops
- 5050 VENEZ R.Mundial2323past 0100, IDs, mx(MAF)0315 sports(RWP)past 0630, 1 Jan(ESB)
- 5051 SINGAPORE RS 1400EE, 1415 mx, seems down from 5052(ESB)
- 5058 UNID 2110-2200*, 1 Jan; N&F, N&A 2115; RR mx: to 2200*(ECS)
- 5058.7 ALBANIA Tirana w/class mx: to 2156* w/anthem; back 0430; HS in several langs, thot to be Greek & Rumanian, per tape to college prof.(FEH)
- 5060 UNID AA spkr w/chanting 0340-0415 fade; also 2045-2200*. Nx 2130; many mentions of "Arabiyah". S.Yemen list, but believe may be Saudi Arabia, at least afternoons. Anyone help?(AVS)
- 5060 S.YEMEN Aden Radio. Off & on for several weeks. Man in AA 0330 s/on; can catch "Aden" & "Yemen", but little else; Eastern flute & string mx; f/o 0415-0430(FEH)
- 5060 ANGOLA R.C.Huambo 2230 mx & PP, 9 Dec(ESB)9 Jan2205-2300 mx, PP(MAF)
- 5060 ECUADOR R.Catolica, 2 IDs 0305(MAF)SS tlk, 0328* w/anthem(AVS)
- 5063 UNID LA stn 0130, 22 Dec; also 31 Dec 0710; 4 Jan 0227*; believed Venezuelan anthem, but not sure(GLD)
- 5065 RSFSR(Eur) Petrozavodsk list; 0340 M&W in RR(AVS)0430RR HS//5900/5910/5930(ESB)
- 5070 ECUADOR R.Em.Jesus de Gran Poder, Quito, Fri/Sun only; s/off varies, once 0113 (Sat GMT), once 0136A(Mon GMT). All SS, seemingly rel format(ARN)0031 Sat (GMT) seemed to be rel svc; seems Fri only(GLD) The Fri/Sun only operation, and the 0135 s/off time would seem to raise the possibility of this being the same stn previously hrd from summer 1969, and thought to be the Guatemalan stn listed here. However, the stn hrd summer 1969 was noted several times with definite IDs for "R.Dif.Popcl Vuh". The term Popol Vuh would place the stn in the Guatemala area. Others reported hearing IDs for R.Nac. Mazatenango. Ye editor, therefore, feels that the two stations are distinct, in spite of the similar skeds.(DF)
- 5192 ANGOLA R.Cl. de Moxico 2252-2300* w/AP; fairly good lvl, some QRM(GLD)
- 5240 CHINA Fukien w/M&W in Chinese, strong 1145(AVS)
- 5260 KAZAKH SSR Alma Ata 0330 orch mx; faded 0340, not //4990(ESB)
- 5390 RSFSR(As) Krasnoyarsk 0200 RR HS from Moscow; local IDs 0200 last year(ESB)
- 5850 CHINA Peking 1430 E.Asian lang to 1457* //5145; lang?(ESB)
- 5875 HONDURAS HRN 0330-0405 t/o w/Sp mx, EE mx, SS ancr, ID(JTS)
- 5900 USSR "R.St.Yunost" 1400-1500 RR & mx. Strong daily; reception similar to Baku 6110; likely same area. Moscow foreign svc same fqy, underneath(ESB)
- 5900 CHINA PLA Fochow, Chinese propaganda 2300(REW)

- 5910 UNID Russian here, unlisted; setting up exercises 0320(AVS)
- 5925 UZBEK SSR Tashkent listed; RR nx 0400(AVS)
- 5927 PERU R.Puno weak 1052 w/LA mx, ID(AVS)
- 5930 CZECH Prague 0100 speech, mx(JBa)0330 mx: by Slovak composers(JML)
- 5935 CHINA Chinese HS 1400, seems //5125, both weak. Lhasa rptd here, but I suggest further checks of 5125 to see if //(ESB)
- 5945m ALBANIA Tirana 0529 s/on lang; poor choice, QRM always here(JDT)
- 5950a ALBANIA Tirana good lvl 2230 w/IS, into lang by man(ARN)
- 5954 COSTA RICA R.Casino 0501 mx, tlk, ads(RA)
- 5955 CHILE R.Nuevo Mundo; 1015 man w/mx; fair(AVS)
- 5955 GUATEMALA TGNA w/rel pgm 0425(JS) #1200-0430 (ESB)
- 5955 W.GERMANY(?) DW 1430-1555* Serbo pgm; strong daily last week Dec. Very unusual
- 5970 CANADA CBC 0828-0838 EE to S.Pacific(SH) #0815-0945
- 5970 T BORNEO Presumed Bandjarsin here w/Indo pops 1201(AVS)
- 5970 UNID after CBC s/off 0936. All rock mx, no IDs; LA s/on 1043(JBe)
- 5980 SIERRA LEONE 0801 t/i; nx, discussion; seems more than 1/2kw; ID 0825(GAC)
- 5980 EL SALVADOR R.Nac 0426-0500* w/"Musica Clasica en la Noche"(JR)
- 5980 RUMANIA Bucharest 0300 M&W w/EE to NA//11940, 9510, 6190(ECS)
- 5985 ARGENTINA R.Splendid s/on 0900-0910 t/o w/SS mx, anmts(JTS) #0900-0100
- 5990 SWEDEN RS w/EE 0045; abt reception rpts sent them(JML) #0000-0230
- 5995 MARTINIQUE ORTF 2230 SS & FF mx, weak; DW s/on 2245(TH)2235(JS)
- 5995 MALI R.Mali w/Afr mx: 2225-2240 t/o(RA) #2300*
- 6000 AFGHANISTAN Kabul 0156 IS, but pgm after 0200 difficult due Brazil & VOA(GAC)
- 6000 SAUDI ARABIA Riyadh 2040 w/AA mx, possibly //5060(AVS) #2300*
- 6000 VATICAN VR 0101-0103 w/talk on Paul in EE; either test or NF(JML)
- 6005 CANADA CFCX 0200 sports(CB)2140pops, ads(TH)1347 EE tlk(JBa)2222 mx, ads(AAM)
- 6005.8 COSTA RICA R .Reloj; 0230 spots, TCs(REW)1245(DF)
- 6010 CANADA CJCX 1238 mx & ads(AAM)1300 N:E(HM)2140 pops(TH)
- 6010 ITALY RAI 0115 N:E by YL(SFC, JML)#2215-0330
- 6012 THAILAND Thai YV Co.; 1350 Thai mx, fade 1430(ESB)#2230-1700
- 6020 COLOMBIA LV de Col. LA mx: 1045(AVS)Spots 1115(REW)#1000-1400(W)
- 6020 RSFSR(As) Khabarovsk2240-2250 RR, mx, M&W(ARN)2315 under R.Ned.(DF)#24 hrs
- 6020 NETH.ANT. R.Ned.; Happy Stn pgm in SS 0110(JML)#2300-0200
- 6025 PORTUGAL RP C200-EE; oxc(SH) #EE 0200-0245
- 6025 HUNGARY Budapest 2200 SS, 2300 Hung; 2330 SS, strong(ESB)
- 6030 S.AFR. R.RSA w/DX-70 contest here & 15440/11970/9755, all good here(GAC)
- 6030 W.GERMANY SDR 0915 M&W in Ger(ECS)
- 6030 CANADA CFVP, Calgary; 1100 daily(GAC)1316 N:E, vx(AAM)1105 nx/vx, CFCN ID(JBe)
- 6035 INDIA Delhi IS 0129; 0130 s/on lang, Indian mx; strong(BBr)
- 6037 COSTA RICA TIFC1203-1245 SS rel pgm, choir mx:(JDT/DF)0245-0415 EE rel pgm(CB)
- 6040 TRUCIAL COAST Sharjah f/i 1335, lost 1352 12 Dec. 24 Dec f/i 1313, peaking 1325-1330. Mostly man in AA & AA mx:(GLD)1317 f/i AA mx; AA nmt by man 1329; AA tlk(ARN) 1400 AA tlk, mx; 1430 N:A, chants 1445, fade 1500; ID:"Sawt es Ze'hil"(ESB)1336 mx, fade by 1355; seems to fit other tentative reception by others(MAF)
- 6045 PERU R.Santa Rosa 1107 lively mx, ID 1126(JDT)# S/on 1100(W)
- 6045 PANAMA Someone(I forget who) asked if Panama still on air. LV del Baru operates here. (DF) #s/on 1100
- 6050 RSFSR(As) Irkutsk listed; s/on 0830 Japanese, //6100, 6020(BBr)
- 6055 RWANDA R.Rwanda 0415 Afr mx, 0430 N:F(ESB)IS 0328, anthem 0330, lang till VOA Carrier on 0334. Afr vhants 0410; N:F 0430(BBr)
- 6055 UNID Arabic stn 0415 chants; QRM Rwanda. Kuwait?(ESB)
- 6055T ESTONIAN SSR EE 2200-2230, then "R.Yunost" & RS Rodina(ECS)
- 6057 COLOMBIA R.Pacifico 0200 SS ID & sports mx:(ESB)0425 & 0615, RCN spots(BBr)Fiesta mx & ID for Cadena Nacional Col.; late pgm, 0830(BS) (TH)
- 6060 SICILY Caltanissetta w/Ital. pops after RHC 0600*(BS)Ital. mx 2145; QRM Budapest
- 6064.5 MALI R.Mali 2200 Afr mx, 2255 N:F, 2 anthems to 2303*, 29Dec; 5995 30 Dec(ESB)
- 6065 MEXICO XEXG w/local spots 0230(REW)
- 6065 W.GERMANY Unknown outlet, similar format to SDR, others; ads(ECS) 0915

- 6065 SWEDEN RS 2245 SS & Swedish to 2345*, //11705; new sked(ESB)
 6070 VENEZ R.San Sebastian 0010 sports, mix CFRX(HM)Strong 0125, no CFRX(GLD)
 6070 CANADA CFRX 1242 Christmas mx(TH)
 6075 ITALY RAI begin Ukrainian 0350(JML)
 6075 USA WNYW 2240 EE & pops(AVS)2345* EE & SS to LA(REW)
 6075 W.GERMANY DW 0430 s/on, cmtry in English(JS)
 6077 HONDURAS LV del Junco; late 1 Jan, ID & 0711*; 7 Jan 0300-0400-(BS)2320(DF)
 6080 CANADA CFCK Vancouver fair 0713 w/US pops, TCs, ID for CKWX(BBr)
 6080 USSR Komsomolsk list; strong 2220-2230 seeming ID by YL(ARN)0000*
 6085 W.GERMANY BR Munich 0600 Ger; mx & nx(AHR)
 6090 MEXICO R.Mante 0007 LA mx, ID(JDT)
 6090 LUXEMBOURG R.Lux; 0545-0655 t/o w/Ger & mx(JTS)2150 mx & Ger(AAM)
 6090 AUSTRALIA ABC Sydney 0845 ID, mx, nx, play(RSH)2000-1400
 6090 UKRAINIAN SSR Simferopol list; 0315 exercises, 0330 RR HS from Moscow(ESB)
 6093.8 SOMALI REP Mogadishu; 0400 anthem & Arab chants(ESB)0330 s/on
 6095 IRAQ Baghdad 1415 Arabic, strong(SFC)
 6100 YUGOSLAVIA Belgrade 1455 IS, 1501 Arabic, //9620(ESB)EE 2200-2215*(MK, TW, RA)
 6100 USSR Kursk w/Moscow RR HS over DW, //5900, 5910, 0500(ESB)
 6100 W.GERMANY DW w/Ger tlk 0115(JML)
 6110 AZERBAIJAN Baku 1400 Persian, exc daily after VOA s/off. 1447 local mx, 1500 Baku IS & Turkish to 1530 f/o(ESB)
 6120 CYPRUS BBC relay, 1500 Arabic mx, //7140; late Dec(ESB)
 6120 FINLAND OYA w/Finnish tlk 0745; quite good(REW)
 6129 VENEZ Valles del Tuy w/mx, ID 1110(AVS)
 6130 GHANA R.Ghana 2100 N1E(JBa)2215
 6130 ECUADOR HCJB 0725 EE rel pgm(RSH)
 6130 CANADA CHNX, Halifax 0607 poor(TH)
 6130 VATICAN VR 0035 on NF in lang(ARN) Unaned fqy, 0050 EE(JDT)
 6135 POLAND RW 0140 lt mx, EE ID 0200(JDT)EE to 0200, then Polish(DMB)0230 EE(ECS)
 6135 VATICAN VR Latvian, 1820 Lithuanian, //9630; NF ex 11720(ESB, BP)
 6135 S.KOREA VoFK 0800 EE mx & cmtry(RSH)
 6140 BURUNDI Bujumbura 0401 Afr lang & chants, N1F 0418(ESB)Good 0434 native mx(GLD)
 6140 AUSTRALIA ABC Perth 1333 horse race; English(AAM)
 6145 RSFSR(As) Omsk listed, 2130 Moscow Chinese, //6165, Vladivostok(ESB)
 6150 RUMANIA Bucharest 0200 EE, concert(JML)0252 lt mx, lang ID, EE 0300(JDT)
 6155 JAPAN FEN 0810 pop mx, social anmts; weak, no QRM(RSH)
 6155 AUSTRIA ORF begin GG/EE 0000, past 0300(JML, RB, RA, JDT)0700-0745* cl mx(RSH)
 6157 HAITI 4VWB, R.Citadelle, *1028 w/anthem, Christmas mx; rly R.Haiti 1100(JBe)
 6165 SWITZ SBC 1530 EE & mx, 1545 Ger(ESB)
 6165 HUNGARY R.Budapest 0500-0508* Hungarian mx; new sked?(ESB)
 6165 RSFSR(As) Vladivostok list; relay Moscow Chinese mx 2300, //9610, 9540(REW)
 6175 BRAZIL R.Guarani 0435 mx(CB)On late, sked 0400* according to WRTH 71(DF)
 6180 GUATEMALA TGWB; 0300-0330 marimba mx, SS(JR) Marimba mx, ID 1255(DF)
 6185 ETHIOPIA R.Addis Ababa; Ethiopian mx 0330, thru DW(REW)S/on 0330 w/flute, into local mx; one night quite strong(JBe)0345 Afr lang & mx; past 0430(ESB)
 6190 RUMANIA Bucharest 0300N1E, //6150(AHR)0436-0456 N1E, mx(SH)
 6190 MOROCCO RTVM 2235 //6170, in Arabic, better on 6170(DJ)
 6191.8 ALBANIA Tirana w/Albanian to NA 0200, //7291.1, 9790.1(REW) What calibrating equipment do you have; obviously something more than the R-530 dial, as it cannot be read to .1 kHz(DF)
 6195 S.AFR Springbok Radio 2300 on a Sat w/EE/Afrk ads(REW)0430-0500-ads, mx(JBa)
 6195 BRAZIL Em.Continental w/futebol & QRM 2240(AVS)
 6199.5 BRAZIL UNID Brazilian 2300 PP, 20 Dec(ESB)
 6200 USSR RM 0410 EE, QTH?(SH)EE 0416(JBa)2300 EE to NA, pa st 0430(ESB)
 6226 UNID 0835 oriental, but not Chinese; Indonesian?(ECS)
 6250 FERNANDO POO RSI; s/on 0500, guitar IS(TH)2200-2300*mx, SS(JTS, RWP)SS 0530(SFC) 1935 N1S(BP)2218 mx, good lvl but het(JDT)

- 252m N.KOREA Pyongyang 2230-2240, up in fqy; excited tlk in Korean(?) (ARN)
- 254 GALAPAGOS LVG fair lvl 0330, mostly mx(GLD)0230 M&W alternating nx(ECS)
- 270 CHINA R.Peking good in PP 2250 check(ARN)
- 400 N.KOREA Pyongyang 2200 Korean HS //5870; no EE as rptd Dec(ESB)
- 540A N.KOREA Pyongyang mx & cmtry, anthem 2249*(RWF)Mx: pgm 1940, good(RFB)
- 062.6 ALBANIA Tirana s/on PP to Brazil 0130(REW)EE nx 2205(RB)0630(FA)
- 070 SPAIN 2000 s/on FF, nitely(ECS) Huh? Who is this? Fqy right?(DF)
- 095 RSFSR Moscow NA svc, possible spur from 7150/7205, 0200 nx(REW)
- 105 SPAIN RNE w/SS ID 2145(ARN)
- 105 CONGO Brazzaville w/EE by YL, 0115*(SFC) New sked?(DF) 1100-2100
- 110 DODOCANESE IS VOA w/EE lesson going 0538(RWP) 0400-0600
- 115 CONGO(DR) Kinshasa running all night weekends, Congolese mx 0200(REW)
- 121 ALBANIA Peking relay 0100 & 0300 EE, ex 7115, //9784-9v(ESB)
- 125 GUINEA Conakry 0445-0510 w/native mx, FF tlk(JTS)Shouting 0600(REW)off 0840(DJ)
- 125 POLAND RW 2000 Ger nx after s/on w/IS & ID(ECS) 1030-0000
- 135 PHILIPPINES VOA s/on 2200 Chinese, recent new fqy, ex 7145(BP) 2200-0100
- 135 MONACO R.Monte Carlo 0747 songs & FF tlk, weak(DJ)
- 135 RSFSR(Eur) Moscow(sked-DF) RS Rodina *0200, into Leningrad transcription(REW)
- 139 INDONESIA RRI-Ambon s/on most days 2200, hets DW 7140 from 2205(BP)
- 140 CYPRUS BEC exc 2100-2115 N&E, E by R. to 2145(TW)
- 145 PORTUGAL DW rly 0345-0515* w/Rumanian, Bulgarian, Serbo, //9620(ESB)
- 150 S.AFRICA SABC 0325 EE ads, mx TCs, poor(RSH)
- 165T LIBYA Tripoli w/AA & chants 0510, fair lvl(BBr)
- 170 N.CALEDONIA 0730-1100 w/pops, FF anmts, IDs, interviews(RSH, JR, JML) 0600-1100
- 175 S.VIETNAM Saigon well hrd in Viet 1130(AVS)
- 178A IRAQ Baghdad 1420 in Arabic, better on 6095(SFC)
- 185 ENGLAND BBC w/EE nx 0400(KML)
- 200 SUDAN Omdurman 0400 AA chants, QRM; //4994(ESB)
- 215 ANGOLA R.Ecclesia 0310-0400 & another check 0215-0315 w/lt mx, pops, M ancr, under RFE carrier. Earlier RSA dominates, later RFE(ARN)
- 225v UNID 0400 AA pgm & chants in QRM, on 7228.5 one day; also from 2000 chants. Kuwait? (ESB) Could be, they have operated here. See also noext item.(DF)
- 225 MOROCCO RTVM 0500-0610 t/o w/N&A, AA songs(JTS)My sked book shows from 0500, so these two could be distinct(DF)
- 230 PHILIPPINES FEBC 1148-1230 EE nx, ID, TC 1200, then rel mx & tlks(JBe, DJ)
- 230 MONTE CARLO TWR 0845 s/on Yiddish, EE ID(TH)Sked: 0845-1000/1115-1215/1430-1500
- 235 W.GERMANY DW 0345 EE, 0405 FF to Afr, //9545(ESB) 0315-0430
- 240T NORWAY Possibly Tromsø; one AM w/lt mx: 1052, orch mx: to 1110; clock ticks & ID 1130; tlk & mx, 7 Jan. * Jan 1000 EE lesson; Scandanavian tongue 1020(JBe)
- 240 SUMATRA Medan w.Indonesian nx: by Man 1135; fair(AVS)
- 245 AUSTRIA Vienna w/cl mx & EE tlk 0900(PM)0700(FA) 0400-1200
- 250 VATICAN VE s/off EE 2100 after nx; good(TW)Sun only 0730 Latin mass(REW)
- 260 ENGLAND BBC s/on 2200 PP to Brazil, unsked WRTH SS(BP) 2200-0415
- 265 W.GERMANY SWF0412-0431 lost, then 0515-0550; pops, anmts(JBe)F/i 0830, Ger pops & anmts, still audible 0900(BP) 0400-0000
- 270 S.AFR RSA begin N&E 0431 to ME, I think(JML)
- 275 ITALY RAI 0427 w/EE tlk, on Christmas celebrations(JML)
- 285 POLAND RW s/on Polish to NA 0200(REW)
- W.GERMANY DW 1910-2100* AA; ex 7180, //9650(ESB)
- 290 MONACO TWR 1038 w/Billy Graham's "Hour of Decision" in progress, ID 1056, said would return 1500 w/EE this channel; Bible reading, IS & off 1100(JBe)
- 290 LIBERIA VOA EE 0615(FA) I show nothing this fqy. Do have VOA-Iiva listed 7280(DF)
- 291.7 ALBANIA Tirana measured here 2 Jan, EE to NA 0130; varies(REW)
- 7300 ALBANIA Tirana 0044-0100 SS; mx & tlk(SH)
- 7301 NIGERIA(Biafra) ECSCBS, Enugu; 0610 end N&E, Afr & rock mx, ads(JBe)*0501(BBr)
- 7305 CHANDESTINE V.of Malayan Rev.; 2245 Chinese, 2320 Malay(ESB)

- 7330 BYELORUSSIAN SSR Minsk w/Moscow EE to UK 2120-past 2145; sports, mx, mx(ECS, RB, JML)
- 7350 CZECH Prague 0350 SS w/mx, etc(AHR)
- 7380 USSR QTH? 0115 exercises, 0130 unusual IS & RR; maybe in Sverdlovsk time zone, as 6:15 AM there(ESB)
- 7380 RSFSR(As) Magadan/Vladivostok listed. RR pops 0737, very good sig(BBR)
- 7435v CHINA R.Peking 0000 RR, 0006 moves to 7430. New time(ESB)
- 7500 AUSTRALIA VNG 1240 time sigs, strong(CB)
- 7580 N.KOREA Pyongyang, Jap tlk 1045(REW)
- ISRAEL Kol Israel 2045-2100 N:E to Afr, 2115-2130 N:E to Eur(AAM, TH)
- 9022.5 IRAN Teheran 2000 Persian pgm & mx to 2128* w/anthem(ESB)
- 9472 EGYPT Cairo 0237 Victor Herbert mx, EE(AAM)
- 9490A ALBANIA Tirana strong 2030 EE(RA)
- 9500 CHINA R.Peking 1235-1245 nx(SH) Assume English. Please state lang when known(DF)
- 9504.5 SUDAN Omdurman from 1819 speeches, shouting, pips & ID 1930, drama & mx 2000(JBe)
- Sudanese rhythms 1830(REW) 2045 drums, AA chants, 1 Jan(ECS)
- 9505 CZECH R.Prague at good lvl s/on 0700(CWC) 0700-1530(W)
- 9506.2 GUATEMALA TGNA, NF, EE ID, rel pgm 0400; ancd 730/5955(REW)
- 9510 N.CALEDONIA Noumea *0600-1100* FF, quite good(REW, BP) 2200-0200 f/o(BP)
- 9510 ALGERIA Algiers 2240 w/Arabic, QRM BBC(SFC)
- 9515 MEXICO XEWW w/N:S 0500(DR)
- 9520 PAPUA VLT4 weak 0700*, //4890(CWC) 2200-0700*
- 9520 N.ZEALAND RNZ 0814 IS & EE to Antarctica Sun(ESB) 1143* w/Maori tune, GSTQ(AVS)
- 9525 CUBA RHC strong 0630 w/news(CWC) Language?(DF)
- 9530 INDIA AIR 0040 Indian songs(BP) 0100 w/IS & lang talk(RSH)
- 9535 ANGOLA A Voz de Angola s/on 0500 w/anthem, langs; level w/SBC(REW)
- 9535 SWITZ SBC 0900 weak & fading(CWC) Lang? Pgm?(DF)
- 9540 POLAND RW 1200-1225 N:E & cmtry(AAM) 1830 N:E & pops(TW) EE to Eur 2245(BP)
- 9540 USSR R.Moscow begin nx 0330(CWC) R.Yerevan pgm 0300-0330, lang to 0315, then EE(RSH)
- 9540 N.ZEALAND RNZ 0705 EE tlk under Moscow same fqy to WCNA(TH)
- 9545 PHILIPPINES VOA w/EE nx 2206, mixed Accra in EE, DW in PP(BP) Poro(DF) 2200-0000
- 9550 MOROCCO VOA-Tangier in RR 2100-2200, recent NF, ex sked 9570(BP)
- 9550 BELGIUM RTB in FF, requesting reports 0030(REW)
- 9564 PERU R.Nacional 1134 ID, ads, mx, in Sp(AAM)
- 9570 MALAYSIA BBC FES strong 0030, WS in EE, now here again, was on 6010 awhile(BP)
- 9570 NIGERIA RTV Kaduna, Hausa play 0545, EE ID 0600(REW)
- 9570 RUMANIA Bucharest 0300-0310 w/mx, tourist pgm(JML)
- 9575 AUSTRIA Vienna s/on 2300 Ger & SS anmts to SA, mix RAI, ex 9690(BP)
- 9578 INDONESIA RRI-Djakarta begin Chinese 0030, on 9588 2200-2300 Indon HS(BP)
- 9580 AUSTRALIA RA 1240-1252 mx pgm(SH) DX pgm 1300(DF)
- 9585 FINLAND Pori w/guitar IS 0150, begin EE to NA 0200(SFC, MK, CWC)
- 9590 CHILE R.Pres.Balmaceda 2327-0023 when R.Ned, carrier on; IDs, TCs, mx(JR)
- 9590 ENGLAND BBC WS 0119, Big Ben 0145(CWC)
- 9590 SWITZ SBC 0655-0705 news(SH) Language?(DF)
- 9600 E.GERMANY RBI s/on PP to Brazil 2315. This fqy of BBC relayed by Ascension on 9510 & 15260. RBI clearly picked up by Ascension & hrd behind BBC(REW)
- 9600 ASCENSION BBC 0330 EE ID, into FF bcsts(RB)
- 9605 CANADA CBC EE to Eur 2115-2152, recent NF, ex sked 9610: well hrd(BP)
- 9610 AUSTRALIA ABC Perth 1310 world & state mx(TH) 1500 world mx, 1510 lcl mx, wx, past 1524(AAI, GCF) 2200-1600
- 9610 AUSTRIA Vienna 1745 classical mx(LC) Unlisted here(DF)
- 9610 USSR RS Rodina 1800 IS & s/on; M&W w/mx(LC)
- 9610 NORWAY RN 0230* after EE ID(LC) 0345 mx request pgm in Norwegian svc(JML)
- 9615 MOROCCO VOA Tangier 0600 Breakfast Show(DR)
- 9615 VATICAN VR 0107-0117 FF to Canada(SH)
- 9615 USA WNYW 0200 mx in EE & SS(CWC)
- 9620 BRAZIL R.9 de Julho; t/i 0200-0240 PP tlk & US mx; splash de VOA(JTS)
- 9620 YUGOSLAVIA RE w/N:E 2200-2215*(PM, RE)*0000 SS to LA(BP)

- 5 ISRAEL Kol Israel *2045 N+E, mx 2100(PM)2100 special service from the Church of the Nativity, 24 Dec(JBa)
- 9625 CANADA CBC w/sports 0200(JS)
- 9625 SWEDEN RS w/EE to Eur 1100, level w/CBC(REW)
- 9625 PORTUGAL DW relay 2000-2100* Hungarian, QRM, new fqy(ESB)
- 9630 ITALY RAI bird chirps 0350, bells & into EE tlk to S.As.(JML)
- 9630 CZECH Prague 0119 EE tlk(JML)
- 9630 EGYPT Cairo w/AA 2040(RA)
- 9635v IRAQ Baghdad 1730 AA, 1800 IS & RR, varies to 9639(ESB)
- 9640 USSR Moscow s/on 0000 PP to Brazil. 10am local time, spectacular conditions late December(BP)
- 9645 COSTA RICA TIFC, San José, EE ID, rel pgm 0300(REW)EE story 0315, poor(RSH)
- 9645 VATICAN VR 2050 EE rel mx, fair(RB)
- 9650 GUINEA Conakry 2330 ID & Arabic-type lang(ECS)0310-0420 t/o mx, FF tlks(JDT,JTS)
- 9650 PORTUGAL DW relay at 2115 Czech pgm, //11865 weak(ESB)
- 9660 AUSTRALIA ABC Brisbane 0715 N+E, poor(TH)
- 9665 MALAYSIA R.Malaysia-Kuala Lumpur; TS, ID, N+E 0030, 10:30am local time(BP)
- 9670 GUATEMALA TGNA back here 2125-2200, call letters, ID as "R.Cultura"; light mx, semi-classical mx, frequent IDs, all Spanish; very fine lvl(ARN)
- 9675 INDIA AIR w/national songs 1030, Urdu anmts; blocked 1045 by NHK same fqy(BP) 0245 fine lvl opening lang svc w/native mx(ARN)
- 9680 RSFSR(Eur) Moscow list, NA svc in EE 2200(MK)
- 9680 SPAIN R.Liberty w/Armenian 0130, Ukrainian 0200, over jammer(REW)
- 9680 AUSTRALIA ABC Melbourne 0630 pops, TCs, good(RSH)
- 9680 S.AFRICA SABC Internal svc 0733 poor(TH)
- 9682.4 VENEZ R.Monagas, Maturín; guitar mx, lcl spots 1100(REW)MX & TCs 1100a(GAC)
- 9685 ALGERIA Algiers 0720 Arabic chants & mx; good(TH)
- 9685a ARGENTINA RAE 0305 w/economic mx, good but some QRM(RA)
- 9690m ARGENTINA RAE SS to 0300, then EE cmtry, ID 0310, Czech mx(RSH) ESB)
- 9710 MEXICO R.Mexico various times 1635-0600*, NF, w/SS, FF, pops, EE(RSH,JML,RA,CWC)
- 9710 ITALY RAI w/bells 2231 & into Italian talk(JML)
- 9712.8 PERU R.Tropical, Tarapoto, spot for Chrysler Perú S.A. 1100(REW)
- 9715 PHILIPPINES FEBC Chinese rel pgm 2220, 27 Dec; R.Ned. not here this time Sun(BP)
- 9715 NETHERLANDS RN, Lopik end EE 2255(TH)
- 9715 NETH.ANT. R.Ned; 0505 N+E to NA(LC)
- 9720 ECUADOR HCJB begin PP to Brazil 1000, Ger 1030-1058*; NF this svc, ex 9555(BP)
- 9725 SWEDEN RS 0300 FF to WCNA, EE 0330, Swedish 0400, improved sig(REW, JML)
- 9735 RSFSR(As) Nikolaiavsk(list) 0808 in Jap,I think(GLD)EE to Australia 1103(AVS)
- 9735 ENGLAND BBC begin Bulgarian mx 2130; NF //9635. Ex- ? Maybe additional fqy(BP)
- 9735 JAPAN NHK EE to Eur w/mx & lang lesson 2030, 30 Dec(TW)
- 9740 MOROCCO VOA Tangier 0245-0300 Breakfast Show(SH)
- 9740 PORTUGAL RP 2020 mx, IDs, gong, N+P; 2043 ID & more PP mx(GCF)
- 9745 IRAQ Baghdad 2107 FF pgm & mx; fair(ESB)
- 9750 CHILE R.Mineria good 0130 but HCJB QRM; vx, mx, ads(RA)
- 9755 UNID w/AA chants 1830 past 2030; no armts, from 19 Dec. Cairo??(ESB)
- 9760m ARGENTINA LRX, Em.Comerciales de Arg.; com'l svc has suddenly opened this fqy; 2 gongs at breaks, tangoes; 0245-0300 exc lvl, probably //11755(ARN)
- 9762 ALBANIA Tirana w/ID on NF in lang. Remember when Tirana was a real catch, running 3 kw on 7850?(ARN)Yes, & we still have R.Kukesi, list 6660; and R.Shkodra, list 8215, both said to run 200 watts, according to WRTH 71(DF)
- 9765 MONACO TWR begin Ukrainian 1830, Sat; evident change from 11765(BP)
- 9765 BULGARIA Sofia *2000 AA, //6160/7670; QRM BBC Eur 9770, VOA 9760, ex 9550?(BP)
- 9765 ENGLAND BBC *0015 SS to LA, rare this time of year(BP)
- 9770 HAITI 4VEH 1135 Light & Life Hour, ID, mx(JS)1244 EE rel pgm(AAM)
- 9770 AUSTRIA Vienna w/Report From Austria 1000(RFB)0200 begin EE/Ger(RB)
- 9782 ALBANIA Tirana relay Peking N+E to NA 0010(BP)N+S 0105, tlk, ID 0125, closed w/NA(GCF)R elay Peking s/on 0330 N+E, off 0350(CWC)

- 9791v ALBANIA Tirana 2300 Indonesian, 2330 SS. Tirana also on 9789 w/PP 2300-2357.
Maybe one is relay by Peking, or else engineers mixed up(ESB)
- 9810 RSFSR(As) Moscow Chinese 0000-0130 over Moscow SS same fqy; new FE tx //11870(ESB)
- 9840T AZERBAIJAN SSR Baku 1930 unid lang & ME mx: to 1950* w/unknown anthem. WRTH lists Baku s/off 1950, but not on this fqy(ESB)
- 10045 CLANDESTINE V.of Cambodian Nat'l United Front 2329-2346 f/o(GLD)
- 10080 CLANDESTINE V.of Cam.Nat.United Fr.; 1130 lang(AVS)
- 10530 KAZAKH SSR Alma Ata s/on 0258 w/anthem & 6 bongs 0300; male ancr(SFC)
- 11445 CHINA Peking pair in EE 0310(AHR)
- 11620 INDIA AIR N:E 1900, cmtry, Indian mx; to 1945(JR)
- 11660 See Dec LR; UNID at 1500 by JY could be Hargeisa, Somali; Time & fqy agree with WRTH & Cairo used to be on 11650(ESB)
- 11672 W.PAKISTAN Karachi fluttering but readable 1945 EE to UK(RWP)
- 11680 ENGLAND BBC AA to ME 0500-0545*, in Dec(ESB)
- 11690 RSFSR(As) See Jan. Mrs. Stepanova says this is Magadan, up the road from P K(HK)
- 11700T BELGIUM RTB w/mx, Flemish & FF 2230 past 0000, 31 Dec. No ID, anyone confirm?(ESB)
- 11705 PAKISTAN Believe Islamabad, strong *0130 Koran chants //11885(BP)
- 11710 USSR Moscow Viet *2230; recent NF this svc(BP)Viet 2230, Thai(?) 2300(ESB)
- 11720 CANADA CBC 0110 No.Svc.(SH)1304 EE, sports mx:(JBa)
- 11720 GREECE Athens s/on 2000 Greek to Mediterranean, fair thru CBC(REW)
- 11720 CYPRUS? Believe BBC w/WS from *0545, when think hrd ID, is under CBC(TW)
- 11730 NETHERLANDS ANTILLES R.Ned w/EE to N.Zealand 0630-0750(CWC)
- 11735 USSR RS Atlantika 1710 IS & IS(ECS)
- 11740 INDIA AIR w/Tamil anmts 0055, strong(RP)
- 11745 ECUADOR HCJB 0300-0330 special pgm for stn's birthday 25 Dec(JBa)
- 11755 ARGENTINA LRX, Em.Comerciales de Arg.; showing well 0210-0220 w/ ads. SS(ARN)
- 11765 AUSTRALIA RA, NF w/EE to UK/Eur 0645-0915, ex 11960, ex 11880, ex 11710(BP)
Has DXers Calling 0730(REW)
- 11770 MEXICO RM at various times 1725 past 0530 w/nx in EE/SS, mx, sports(GCF,ARN,ESB)
- 11770 W.GERMANY R.Liberty 1925 IS & Russian ID(ECS)
- 11770 ENGLAND BBC w/English by Radio in Yugoslavian 1045, recent NF, mixed Indon(BP)
- 11780 MOZAMBIQUE RCM 0300-0335 t/o pops w/EE & Afrik(JTS)0407 ID, pops, EE ads(MK)
- 11780 N.ZEALAND RNZ 0700 w/EE short story, 0730 w/ID, then mx:(PM)
- 11780 LEBANON RB w/NA Svc 0130-0400, EE 0230-0300; QRM Moz. 0300-0400(REW,SFC,JML,HM)
- 11780 ECUADOR HCJB 2030 Swed., 2100 Ec mx, ex 21460, //15300, 17755; from 27 Dec(ESB)
- 11780 NETH.ANT TWR 2100 SS 25 Dec, 2150 IS & FF to 2214*, no longer hrd(ESB)
- 11785 BRAZIL R.Guaiba w/PP mx 0012, Brazilian pops 0030-0100 & past; clear IDs(JR)
- 11789 INDONESIA RRI-Makasar w/Indon mx 0100-0130*; Djakarta on 11792(BP)
- 11791.4 BRAZIL R.Nacional, Rio drift, national mx 0115(REW)
- 11792 INDONESIA RRI-Djakarta w/Indonesian mx 0130(BP)
- 11793 BRAZIL R.Nac. w/IDs in PP, songs from 0020(DJ)0007 mx, mx, ads(JR)0036 PP(JTS)
- 11800 CANARY IS RNE 0145-0215 SS mx & tlk(MEM)0255-0300 & later SS pops, tlk(TH)
- 11801.8 CEYLON Colombo s/on Hindi to Asia, het RNE(REW)1240A in lang w/pretty songs.
Also 1420A w/EE ads & lang ID 1430(DJ)
- 11803A UNID in EE under AFRTS 0736; light mx, mailbag, past 0800; ID sounded likeVMV?
Not RNZ(JWS)
- 11805 BRAZIL R.Globo2345 PP(AHR)0230 EE & PP ID(TH)2240* PP(BP)?(DF)
- 11805 PAKISTAN R.Pak s/on 1845 Turkish, off 1930, ex 11672 unhrd?(BP)
- 11810 CEYLON R.Ceylon s/on 0100 Hindi, EE on 15120(BP) Not 11801?(DF)
- 11810 ITALY RAI 0600 Italian after IS(RB)
- 11810 E.GERMANY RBI *1915 FF to Afr, NF ex 9510, over Algeria(BP)
- 11810 INDIA 1330 N:E & cmtry, Indian mx 1345(PH)
- 11820 MONACO TWR EE test to ME 0442-0500 requesting reports(MK)
- 11820 W.GERMANY DW s/on 1120 Japanese, mixed TWR-B in EE, RNF ex 17800(BP) BBr)
- 11820 GEORGIAN SSR Moscow says Tbilisi here w/EE to Afr 1545(BBr)R.P&P 1430-1500(JML, /
- 11825 KUWAIT RK 1708-1746 tlk on ME situation(SH) Presume in EE. Please state lang(DF)
- 11825 TAHITI RT 0130-0250 all mx pgm, 0300 Tahitian pgm(ESB,JDT,RA,RSH,TH)

- 1 29 CLANDESTINE V. of Malayan Rev 2215 Asian lang, 2240 anthem 4 times, 2245 Chinese; 2315 anthem 4 times, Malay 2320; exc from 2300 //7305, from 5 Jan(ESB)
- 11833 HAITI R.4VEH Christmas carols & ID 0000(RSH)1246 "Back to the Bible" EE(AAM)
- 11835 URUGUAY El Espectador 0930-1000 LA mx: & nx, ads(AHR)0220 national nx(REW)
- 11835 SUDAN Omdurman w/N.Afr mx, AA anmts 2125, nx, Koran 2140, 2158*(RP)
- 11835 CEYLON VOA s/on 0100 EE, raro here(BP)
- 11850 INDIA AIR HS, Urdu nx 0130(BP)
- 11855 SAUDI ARABIA Djeddah s/off EE 2000, nx 1945; QRM VOA in FF 11860(RA)1815 EE, pops(AHR)0430 pops, N:E 0445(PM)
- 11860 TAIWAN VoFC w/Korean political tlk 1010, well hrd(BP)
- 11860 ASCENSION BBC 0635 mx, nx(CWC)
- 11865 VATICAN VR s/on 2300 PP to Brazil, NF ex 11850, good(BP)0000 SS //9615, strong; ex 11875(ESB)
- 11865 CHINA Peking s/on Lao 0000, listed 11860(REW)
- 11875 NICARAGUA RNN1431 SS, mx(JML)1843 EE pops, CW to 1930 t/o(GCF)2230 mx & tlk (SH)0530 nx(DR)0532 SS ID, mx, tlk(DJ)
- 11875 S.AFRICA R.RSA 2145 PP to Angola, usually under jammer(BP)0130-0200 EE(DMB)
- 11880 MEXICO R.Tricolor 2230 past 0400 w/IDs, SS pops, good(JDT,DMB,JR,TH)
- 11880 AUSTRALIA ABC very good lvl 1130(CWC) Lang? Presume English(DF)
- 11890 RSFSR(As) QTH? relay Moscow Chinese, Standard Chinese s/off 0600(REW)
- 11895 SWEDEN RS 0515-0545 N:E & regular pgms, to ANZ(TW)
- 11900 S.AFRICA R.RSA 0415 EE nx(RB)end FF 1950(RA)Lang 0400(JML)
- 11910 ETHIOPIA ETLF 1945-2015* interview, mx: in EE(JDT)1930 EE nx & rel pgm(RA, RFB)
- 11915 LIBERIA VOA-Mva 2200 ID Czech, 2230 Hungarian. 1700 Woofferton here w/Rumanian, 1800 Greek. Dec LR listed Rhodes at 2200(ESB)
- 11920 SEYCHELLES FEBA 0300-0330 w/EE to 0315, then mx: to 0330*(RSH)
- 11920 PHILIPPINES FEBC w/EE/Jap lang lesson, rel pgm 1050(REW)
- 11920 IVORY COAST R.Abidjan w/N:E from 1830(RFB)From 1900 good(RA)0345 FF, Afr tunes, late s/off Christmas Eve(BP)2330-0000* w/hi-life mx, US tunes, FF(JTS)FF 2245(AHR)
- 11925 UZBEK SSR Tashkent 1200 EE nx, tlk(RFB)
- 11930 FRANCE ORTF w/FF, folk mx, over RHC; //15120; apparent NF this time(BP)
- 11939 BRAZIL RC Paranaense 0130 PP sports, 9 other 25 m Brazilians in 17Dec(ESB)
- 11940 SINGAPORE R.Singapore w/pops, EE, w/ads 0100-0200, regular(BP)
- 11960 RSFSR(As) QTH? Moscow Chinese s/off 0300(REW)
- 11960 GREECE VOA Thessaloniki in Latvian w/EE ID 1600(RFB)
- 11965 BRAZIL R.Record 0230 EE pops, SS ads, IDs(RSH)
- 11970T NEPAL R.Nepal believed the one 0215-0225 lang tlk, Siamese type mx, peaked 0215; f/o by 0225(RSH)Regional mx: 0125 check. Thot R.Nepal, but think hrd they are now on 11910, via SBC DX pgm. Yes or no?(RWP)As far as I know still on 11970(DF)
- 11970 TUNISIA RT fair 1435 w/N.Afr chants, tx: problems; jammed out 1600, //11900(JBe)
- 11975 GRENADA WIBS 0000 EE tlk, mx:(RSH)EE pops & BBC pgm 0045(MK)0147 DJ show(RWP) 0205 N:E, many local items, sports, 0221 ID & fqys, closed w/usual prayer svc(GCF)
- 11980 CHINA Peking s/on Hakka 0000, Chaochow 0030(South Chinese dialects)(REW)
- 11990 CZECH Prague 1735 classical mx, EE IDs(LC)
- 12067 CLANDESTINE R.Euzkadi 2047 N:S, also on 13280 some days 2140(BP)2130-2200* SS & Basque, //13280, ancs 23 & 19 meters, but not on 19 for some time(ESB)
- 12070 USSR(As) Moscow Korean 2201, Chinese 2231; seems new FE tx, not listed Kiev(ESB)
- 12142m CLANDESTINE R.España Indep.; w/much SS tlk, little mx, 2005(AVS)
- 12175 ICELAND Reykjavik 1330 IS, tlk, mx; ID 1358 as a tx for rcvr-adj purposes. Also tlks 2130 & 2330, Sun 20 Dec. Not sure if poor modulation or SSB, due strong RTTY QRM. This fqy used mid-50s, maybe used again irregularly(ESB)
- 12240 USSR(As) Magadan 0000 Moscow RR nx, nx, 62 below in Yakutsk. Also at 0400, //12040 Vladivostok(ESB)Classical mx, M&W ancs past 0615 when ID for Moscow(GLD)
- 13280 CLANDESTINE R.Euzkadi w/SS & Basque 1930, 2030, 2130. Irregular, some days only at 2045. Varies to 13300.5. Operation is apparently winding down; may disappear like R.Libertad.(ESB)
- 15080 INDIA AIR Bombay fair w/EE nx, emtry, tlks 1804-1831(SK)
- adding more 1300. then tlk-mx: show. Still FB 1500(JBe)

- 15105 JAPAN NHK w/N:E 0213(JML)
 15110 MEXICO in SS 1930(FAE)
 15115 ECUADOR HCJB 0235 in EE answering letters(LC)0300 DX Party Line(JS)
 15130 W.PAKISTAN Rawalpindi good 1222 tlks, ID 1230, tlk & native mx to 1300 mx. More mx & mx again 1325, drama till abrupt s/off 1346(JBe)
 15150 N.KOREA Pyongyang w/Korean 0000-0100, SS to 0200, //16320(AVS,GAC)
 15165 DENMARK RD strong s/on w/IS 1830, EE ID, into Danish to Afr(SK)
 15171v EGYPT Cairo 1500 AA pgm, varies to 15173-5(ESB)
 15175 S.AFRICA R.RSA EE mx 2104(SH) EE 2115 to W.AFR(MK)
 15185 PHILIPPINES VOA-Poro records 0120, N:E 0128, records, 0200 closed w/ID from Poro(GCF) Tinang listed, so is a change(DF)
 15185 PORTUGAL DW relay 1845-1945* Czech; L&C, //11865 weak(ESB)
 15190 CONGO(PR) ORTF 2020 tlk, ID from Paris 2040, interview, mx, end EE 2059(GCF)EE to Afr 2015-2100(MK)
 15195 LIBERIA VOA-Iva 1900 Albanian, 1930 Serbo. ID 1859 on 15185, then shifts to 15195. Wonder why. (ESB)
 15240 CZECH Prague 1630-1728 AA on NF, //11990(ESB)
 15245 CONGO(DR) Kinshasa s/on 0130 w/FF ID, mx, variety(ECS)
 15250 ROMANIA Bucharest 1325 asking for reports in EE, off 1328(JML)
 15255 NIGERIA VoN well hrd in EE & native mx: 0130(ECS)
 15260 LIBERIA ELWANew AA pgm 1615-1714*, strong(JBe, ESB)
 15265 SWEDEN RS 1402-1413 mx & sports in EE(SH)
 15265 SEYCHELLES FEBA 1615 Indian lang, 1630 EE ID & Indian pgm to 1645* w/ID & address. New s/off time?(ESB)
 15270 HAITI 4VWI 1300 "Back to the Bible" in EE(AAM)0030 EE rel pgm(TW)Request pgm 1316-1326(SH)
 15300 ECUADOR HCJB in EE 1925 w/tlk, //17755 & 11780(JML)
 15305 SWITZ SBC begin EE 1515 to ME, //11865/17830(JML)
 15310 PHILIPPINES R.Veritas in Thai w/pops & Thai dance mx: 0000-0057*, drifting(BS)
 15315 FRANCE ORTF 1915 FF, NF //15295, 15190-Brazzaville(ESB)
 15320 ETHIOPIA ETLF from 1515 to Madagascar w/FF & EE IDs, Christmas carols(JDT)
 15325 CANADA CBC in EE w/SW Club, answered a question of mine(JML)
 15340 INDIA AIR s/on 2245 EE to NEA(BP)
 15345 ARGENTINA R.Nac w/quiet instr. mx: to 1830 ID, past 1930(WRTH says 1830*)(BBR) 2030 orch mx, SS to 2100*. Extended sked?(ESB)
 15345 NETH.ANT. TWR *2245 Ger, new svc this lang(BP)0115 to SA in PP(ECS)
 15350T BELGIUM RTB w/mx & Dutch to 2200*, but no ID. Luxembourg still here?(ESB)
 15350 CHINA Peking from 0000 in what may be Hakka, 0030 Chaochow(ESB)
 15355 AUSTRALIA RA Darwin s/on Indonesian 2300(REW)
 15380 RWANDA DW in Ger 2105 w/concert mx:(JML)
 15390 NETH.ANT. R.Ned.; s/on EE to Eur 2200(REW)
 15400 ASCENSION BBC IS 1659, EE anmts & into N:E 1700(JML)
 15415 BRAZIL R.Cl.Ribeirão Preto 0317-0400* w/PP songs, US tunes, too(JTS)
 15420AV CHINA Peking 0100 s/on Chinese, strong(RA)
 15425 AUSTRALIA ABC Perth 2329 mx, mx, mx, in EE(AAM)
 15425 ETHIOPIA ETLF s/on FF 1900, good(RA)
 15430 S.KOREA VoFK 0200 Korean, 0230 SS, 0301 EE(ESB)
 15435 TANZANIA RT 1700-1810 EE cmtry, military mx, discussion; drums & mx: 1800, into FF 1815(AHR,RFB,RSH)
 15445 CZECH Prague w/EE interview 1429 Sunday to ECNA(JML)
 15445 JAPAN NHK w/EE to NA 2345-0045*CWC,JML)
 15520 CHINA Peking to NA on unanced fqy, 0100, //usual 15060, etc(REW)
 16105 CHINA Peking 0000 Chin.HS, some mx, //16340/16435/17220/17505, all past 0100(ESB)
 16320 N.KOREA Pyongyang SS to LA 0100-0155, good, //15150(new)/17855.(REW)
 17700 RSFSR(Eur) RP&P w/EE mx: 1030(RFB)
 17705 INDIA AIR 0115* after EE, strong(BP)
 17710 AUSTRIA Vienna 1500-1555* Ger & mx to SEA(ESB)

- 7715 AUSTRALIA RA w/ mx: pgm 1040(RFE)
- 7715 CHINA Peking s/on 0100 EE to NA, off 0300(BP)
- 7720 TAIWAN VOFC 0200 anthem & EE //17780, 17890, 15125(ESB)EE cmtry 0240(CB)
- 7725 JAPAN NHK 0215 mx, N:E, ID, end EE 0228, request suggestions(GCF)
- 7725 EGYPT Cairo 1700 chants(CB)
- 7750 PHILIPPINES VOA 0155-0200* w/EE discussions(JDT)
- 7750 USSR R.Moscow Indonesian 0930-1000, EE 1000-1030, recent NF(BP)
- 7770 ITALY RAI w/Italian 1700-1745 w/sports on a recent Sunday(BP)
- 7775 MOROCCO VOA-Tangier begin Hindi 1500 after 1cl ID, unlist by VOA(BP)
- 7780 UKRAINIAN SSR Lvov w/RS Rodina in RR by M&W 1601(JML)
- 7785 JAPAN NHK 0000 N:E, poor-fair(AHR)
- 7790 ENGLAND BBC w/Eng by Radio in Italian Sun 1015-1030, evidently new(BP)
- 7795 NORWAY RN in Norwegian & mx 1555(JML)
- 7795 AUSTRALIA ABC Melbourne w/mailbag(AAM) No time given(DF)
- 7800 W.GERMANY DW s/on Pushto-Dari 0830, well hrd(BP)
- 7800 RWANDA DW w/Ger tlk to SA 2307(JML)
- 7810 MALAGASY ECS noted R.Ned. IS on piano, FF ID, begin test in Dutch/EE/FF from s/on 1230, ARN says stn says will begin tests in October 1971. Don Jensen suggests ECS may have hrd test on low power transmitter.
- 7810 PHILIPPINES FEBC at fine lvl 0025-0110 w/rel pgms. No EE ID 0100(ARN)
- 7815 VATICAN VR s/on 1125 EE to ANZ; NF ex 17830 & others(BP)
- 7833.8v MEXICO XERMx at various times 1535 past 0555 w/SS tlk & mx. Ger/EE/FF/SS IDs. Some EE pgms. New fqy, //21705, 9705(REW,ESB,BP,RB,MEM,ECS,RSH,JML)
- 7835 CHINA Peking s/on 0600 Polish to 0700*. Not sked, but on RFE fqy. Also noted w/SS to SA 0100-0300(BP)
- 17850 ROMANIA Bucharest s/on 1100, EE to Eur, seldom hrd here(BP)
- 17855 USA VOA-Gvl s/off 2100 after FF to Afr, not Bethany as scheduled(BP)
- 17870 GHANA R.Ghana at good lvl 1445 s/on EE(BP)
- 17890 TAIWAN VOFC good lvl in Indonesian 1030-1130(BP)
- 17920 EGYPT Cairo 1353 mx, EE tlk(AAM)
- 17945 W.PAKISTAN Karachi 1335-1350 EE mx, good(AAM)
- 21450 BELGIUM RTB s/on Dutch 1000, NF. Not //21460 also hrd(BP)
- 41460 ECUADOR HCJB w/EE 1550 w/rel dramatic play(JML)
- 21480 HOLLAND R.Ned.; in EE w/mx requests 1420 to S.As. //17810(JML)
- 21495 PORTUGAL R.P.; EE w/home mx 1905(JML)
- 21560 RAI w/Italian tlk to Canada 1410(JML)
- 21600 E.GERMANY RBI w/EE tlk 1358, 1400*, FF 1402(JML)
- 21465 FRANCE ORTF 1630 //21670 better; FF cmtry(CB)
- 21660 VATICAN VR w/special Mass best w/cmtry in EE 1000-1030(BP)
- 21680 Eur. RSFSR, SEE JAN. Mrs.S. says is Armavir on 21700. But Sweden & Nederland were above it by 10-15 kHz, so must have been drifting(HM)Or maybe Mrs.S. missed on this one.(DF)
- 21705 MEXICO RM at various times 1500 past 0000 w/SS/EE/Ger; SS soprts, etc. Some EE pgms. New fqy. (JML,CB,DR, RA, MEM, ESB)
- 21715 VATICAN VR on NF ex 21690 s/on Malayan 1505, EE 1510(BP)Hindi 1505, EE 1515-1530*(ESB)Make that Malayalam on BP's item. These are sked different days(DF)
- 21740 AUSTRALIA RA 0230 tune w/ABC mx, ID, pops(GCF)
- 23640 CHINA 2 x: 11820 Peking s/on 0900 Indonesian(BP)
- 25620 USA VOA-Delano s/on 0030 Burmese, off 0130, well hrd(BP)
- 25700 ENGLAND BBC 1432 tune w/opera numbers, left 1450 w/no anmt(GCF)
- 25800 USA VOA-Gvl on SSB 1530 in Lithuanian?(BP)
- 25880 MOROCCO VOA-Tangier s/on 1300 EE to S.As. to 1600*(BP)
- 25900 NORWAY RN w/N:E & interview 1400-1410(JML)1420 EE, interview, close EE 1430. EE sked 1400-1430(GCF)
- 25950 LIBERIA VOA-Mra s/on 1000 Chinese to 1100*. Strange use of this facility(BP)
- 25950 USA VOA-Gvl in Ukrainian 1500, strong(BP)
- 26000 USA VOA-Gvl in SSB. noted by ADXN member in RR & FF 2000-2100*(BP)

26040 USA VOA-Gvl w/EE 1500, r/o 1610, reappears 2030A also in EE to 2200*(BP)
 26095 USA VOA-Dixon s/on Chinese 2200, to 0100 s/off(LP)

 At this point some schedule info will be added where space permits. It is added after the stencils are typed, and is indicated by the symbol ☐. Some of the info will be taken from the 1971 World Radio TV Handbook, and will be credited with a (W). Other info comes from various sources - schedules, further monitoring, etc.; no credit given, since it will be coming from my sked files. If this works out, we will continue to provide such information. Such schedules as given will not necessarily be EE skeds, but will, in most cases, be scheduled transmission times.(DF)

 Some items in the 60 meter band are listed with a * before the fqy -*4799. This is to indicate that the item provides additional information not included in the 60 meter band survey published last month..... There have been a few comments on the survey received here, all favorable. However, I am aware that one person (I don't know who, and I don't care to know) has complained that I should not have offered the survey in double-spaced form as I did. The complaint being that I am making a profit on it. Such a claim is not worthy! Had I been interested in making a profit, I would not have published the survey in Friendx, but would simply have offered it for sale! Nuff said....DF

 A few reports arrived too late to use. In all but one case, thru no fault of the USPO. Deadline is now the 12th of the month, as noted on the first page of this section. Those who mail their reports the 15 or 16 cannot expect to have them used. Typing generally begins deadline day. Will hold deadline till the 15th for March issue, since this month's issue will not reach some of you till later in February.

CREDITS

- | | | | |
|-----|-------------------------------------|-------|--|
| AAM | Albert A. Miller, Jr., Ohio, HRO500 | JS | Jerry Stuart, Oklahoma, DX120/NC190 |
| ACM | Anthony C. Marks, OR, DX-150 | JTS | John Soneff, LA, HQ180 |
| AIR | Al Reynolds, VA, SW4A | JWS | John Smallshaw, Wis, ? |
| ARN | Al Niblack, IN, HQ200, SX100IE | JY | Jim Young, CA, HQ100AC |
| AVS | Al Sizer, Conn., HQ180A | LC | Lawrence Scoville, NY, Explor-Air
(That credit should have been LS, dunno how I mixed things up, but do recall using LC this time. Will be LS in future-DF) |
| BBR | Bob Brode, CA, SB310 | MAF | Marlin A. Field, Mich, SX100 |
| BM | Bill Martin, Del., NC183 | MEM | Mildred E. Marshall, ND, SX122 |
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| DJ | Danny Jamison, VA, SW4A | RSH | Richard S. Heggs, B.C., SB310 |
| DMB | David M. Baltimore, PA, HRO500 | RWP | Ralph Perry, Ill., S-85 |
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| FW | Dave Williams, OR, 75S3C, SX122 | SH | Steven Handler, Ill, HQ200 |
| ECS | Ed Shaw, VA, SX130 | SN | Serge Neumann, Ind., HQ100A/ARE3D |
| ESB | Ernest Behr, Ontario, NC400 | TH | Thomas Henry, NY, GR 54 |
| FEA | Frank E. Aden, Jr., Idaho, DX150 | TW | Tom Walsh, Mass, NordeMende GT |
| FEH | F.Earle Hall, Mass., HQ180A | ***** | |
| GAC | Gregg A. Calkin, Ont., SW4A | | Our thanks to those who regularly report, |
| GCF | Grady C. Ferguson, NC, SX100 | | and a welcome to those reporting for the |
| GLD | Gerry L. Dextre, Wis., HQ180/R4B | | first time. Also nice to have some back after |
| HM | Henry Michalenka, RI, GR54 | | an absence from this section. |
| JBa | John Banta, NY, SX110 | | |
| JBe | Jerry Berg, Mass., SB310 | | |
| JDT | John D. Tuchscherer, Wis., HQ100A | | |
| JML | John M. Leger, KY, S120A | | |
| JR | Jim Roberts, Manitoba, Kenwood | | |

Last Minute News / TipsDEADLINE 20TH OF MONTH

"THE FLASHSHEET EDITED FOR DXERS BY A DXER"

COMPILED BY A.R. "Al" NIBLACK

420 SHELBY ST., VINCENNES, IND. 47591

FREQ: IN KCS

TIME: GMT

ALGERIA 11715 R.TV Algerian observed on new fgy, 0730-0800. (Ed Shaw, Va.)

AUSTRALIA 15425 ABC, Perth, logged 2300-2330, fair lvl, English. (Mark Duba, Vt.)

CANADA RCI out of band on 15555, strong at 2125, 1/17. Not on 15325 listed. Possibly testing new transmitter?? (Glenn Hauser, Georgia)

DENMARK R. Denmark, 11805, with Danish prgm 1730-1815 S/off. Fine lvl, in the clear on this new fgy. (Ernie Behr, Canada)

CENT.AFR.REP. Bangui heard well with IS at 2130, followed in French. (Ed Shaw) (5035)

CHAD 4904 (TENT) African heard 2100 suspected to be Ft. Lamy, jazz and native music. (Ed)

COLOMBIA 2680 A seemingly new one has been heard on this odd fgy at 1045, with/ Shaw) L.A. music and frequent IDs as, "Transmisora Apolo". Listed 2660, MW 1346 "nominal 1330". Possibly a harmonic?? (Al Sizer, Conn.)...HJMQ, Transmisora Apolo heard on 2680 (2 x 1340) 1/17, 1/18, 2351-0015. Many IDs and seemed to give 1340 as fgy, rather than listed 1330. Fair strength. (Glenn Hauser)...6030 R. Nacional logged with L.A. music, Spanish, vy good reception, 0345. (Chris Brooks, Colo.)

EGYPT 17920 R. Cairo noted at 1325 with news in English. (William Conner, Pa.)...9475 Cairo noted at 0115 with Spanish music, talk, fair to good lvl. (Chris Brooks)

ECUADOR 5070 (FLASH) This is not a Guatemalan at all. It is Radioemisoras Jesus de Gran Poder, Quito, listed 5050. It is a Roman Catholic station. (Don Jensen, Wisc.) (Editor's note: Don cracked this one. Has previously been listed and reported as, R. Nac. Matz, and prgming as, "R.Dif. Popol Vuh". Can currently be logged around 0030, Sats, GMT(Frids, EST), and real ID is heard only just prior to a varying S/off)... 4705AV 1/18, R. Progreso with Spanish selections from 0305, positive ID. (Marlin Field,

GAMBIA 4820 (FLASH) R. Gambia is being heard with a new S/off time of 2300; / Mich.) 2255 Eng news, and 2 native langs. Also heard at 0700 with Eng News. (Bill Martin, Del.)

GALAPAGOS 6258 LV de Galapagos with music, ID 0302, 1/14. 0400 S/off, anthem. 0404, actually off, up in fgy. (Glenn Hauser)

GUATEMALA 2360 (FLASH) Logged R. Maya de Barillas, Huehuetenango, FB sigs, 1131-1202, definite ID, religious prgm. Sp, some Indian dialect. Maybe Sunds, ONLY. (Al Sizer) ... (FLASH) 9505 TGNA, R. Cultural, noted 1/14, with religious bcst in Sp, news at 1300, with outlet reactivated in the 31 MB. Years ago used 9668. (Marlin Field)

GREECE 15344 NBI, Athens, hrd at 1727 with IS, much splash de AFRTS down 5. (Ed Shaw)

ITALY (TENT) 6060 Caltanissetta(Sicily), picked up with early S/on 1/14, with IS 0445. Sked in WRFTVH as 0530 S/on. Holiday, or new S/on time?? (Ralph Perry, Ill.)

IRAN 15084 R. Teheran noted 1110-1430, in language. Pips at 1430. (William Conner)

IRAQ 9745M Baghdad hrd 1/11, 1945 definite ID, followed with news in Eng. Followed to closing with full ID and off 2015, a new fgy. (Grady Ferguson, N. Car.)

KOREA(N) R. Pyongyang, 4410, Japanese prgm at 1400; parallel 6540. (Ernie Behr)... 15150 R. Pyongyang heard 2350 tuning, Sp xmission to LA; ID "Aqui R. Central de Korea" at 0001. Fair strength though hard copy. Shortly goes into Korean. (Leon Segal, N.Y.)

MALAYSIA 11850 BDCFES, S/on 0000 in English, vy good copy. (Mark Duba)

MEXICO (FLASH) A new XERBB, 3200AV, logged with gud strength; from 2330A tuning to usual S/off 0130A. Slogan or name, "Radio Alma Musicals," no QTH. Frequent IDs. (Del Hirst, ...9545 XEFT, Vera Cruz, 0225 with music, and ID. Cms at 0244, continued in / Tex.) native music. (Grady Ferguson)...17835 XERMX heard at 0030 on new fgy, native. (Chris)

MOZAMBIQUE 4855 R.Clube Moz., news 2200, S/off at 2210. (Marlin Field)... / Brooks) 4925 RCM heard with pops and ads for Peter Stuyvesant cigarettes, no less. Some Eng used. (Ed Shaw)...RCM, L. Marques, 11780, 0401, pops, complete ID at 0429. (Tom Neely,

MOROCCO 9615 (TENT) RIM, 0515, Arabic chanting, a possible ID(Chris Brooks) / Mich.)

Please see overleaf for more DX tips

NIGER 3260 (TENT) Niamey, 0630, with French OM and soft pops prgm. (Ed Shaw)
PAPUA/NG 3335 R. Wewak, 0600, caught with big signal ID, into Pidgin. (Ed Shaw)
PERU R. Eco, back from 5114, to 5010, when R. Cristal off 0325. Distinct ID. (Al Sizer)
POLAND 6135 Polish Radio Warsaw, 0155, English to NA; after 0200 into Polish. This freq. is not listed in latest reports. Faded from good lvl to poor. (David Baltimore, Pa.)
PHILIPPINES VOA Relay, 11930, S/on at 1430, in Indonesian, poor lvl, QRM. (Mark Duba)
 ...17810 FEBC noted at 0100 with ID, followed by prgm in Indonesian. (William Conner)
SOMALI REP. R. Mogadishu, 6094.5, from 0330 anthem, Somali prgm and chants, in QRM. Fridays, from 0400. (Ernie Behr)
TANZANIA R. Tanzania, 15345, logged from 1800-1810 with Eng news. Severe QRM de Greenville, 15430, plus poor signal make for strain readability. (Tom Neely, Mich.)
TANZANIA ZANZIBAR R. TZ found with IS at 0328, S/on at 0330, Call to Prayer, then into Swahili. Often good lvl. (Bill Martin)
TRUCIAL OMAN (FLASHES) Am still hearing Sharjah, 6040, now with excellent signal daily, 1400, fading after 1500. Several clear IDs as, "Saut as Sahil", so theres no doubt about it. (Ernie Behr)...On 1/10, I copied Arabic prgming from 1327 to 1407 fade out, on 6040, and I got off a report off Monday to Sharjah. (John Tuchscherer, Wisc.)... Don Jensen and Jer Dexter report from their Wisc QTHs that they have both received verie letters for earlier reported loggings on 6040, Sharjah. Letter from H. Abbot, Engineer in charge. He is one of the two British citizens on the staff, the balance are "Arabic". Return address on letter was: H.B.M. Political Agency, Dubai, Trucial States, Arabian Gulf. (Congrats to you two; me, I don't have any QSL for my efforts : and I am slightly green from you know what, Editor)
UGANDA 5026 This difficult one, R. Kampala, logged 1/11, with news in English. (Marlin Field). (What time, Editor)
USA (FLASH) I got a QSL from KC2XIO. Used a self-prepared card. It included full data. Veri-Signer was S. L. Danielson, Admin. Aid. Send reports to: National Bureau of Standards, Box 83-E, Route 2, Fort Collins, Col. 80521. Heard again today, 2130. (Andy Kerr)
USSR R. Moscow, 4920, from 2131 with German Foreign Svc prgm, from 2200 with / Ore.) Russian HS to 2300 S/off. This 1/13, with strong signal. This is the one that you (FS Editor) reported in Dec FS. Apparently a Soviet European xmr. (Ernie Behr)...Don Jensen says he is hearing this one on "morning" checks and darkness pattern indicates to him that it's vy possibly a Soviet Far East xmitter...
GEORGIAN SSR R. Tbilisi fair at 158 when played bell IS melody, 6 gongs, opened with anthem, ID and news on 5040. Music 0220, then morning exercises. (Jerry Berg, Mass.)
VIEtNAM (N) 15040 Voice of Vietnam, Hanoi, noted 1040 in language and again at 1155, better lvl, ID at 1200 and IS. (William Conner)
YEMEN 5060 Am logging R. Aden for noted 1/14, 15, 16, with chanting and other Arabic music as early as 0340; as late as 0430, when Tirana S/on. (Marlin Field)...Hearing what I think is South Yemen Rep, Aden, many nights, 0330-0400 fade, in Arabic. News at 0345, reports Al Sizer. (MEASURES precisely 5060, Editor)
MADAGASCAR (TENT) (FLASH) R. Nederland heard on 17810, testing from Madagascar. Armed in French at 1230 S/on, IS is regular one, but on a piano. (Ed Shaw)... Checked and it's R. Nederland, possibly testing from Madagascar with low power, for noted at 1227 w IS, into French at 1230; please see my remarks in last FS. Wrote them for clarification, they must be ahead of schedule with tests. (Al Niblack)
CLANDESTINE V. of Malayan Revolution, 11829, 2245 Chinese, 2320 Malay; parallel 7305, but no longer on 9589. (Ernie Behr)
DECEMBER 1970 SUNSPOT COUNT AS FURNISHED BY THE ZURICH OBSERVATORY 1-6-71: 1-88, 2-69, 3-75, 4-65, 5-85, 6-79, 7-88, 8-97, 9-87, 10-95, 11-101, 12-95, 13-71, 14-82, 15-81, 16-65, 17-60, 18-70, 19-88, 20-101, 21-93, 22-90, 23-76, 24-63, 25-68, 26-61, 27-50, 28-47, 29-50, 30-71, 31-65 MEAN--76.6
PREDICTED: JAN-85 FEB-83 MAR-81 APR-79 MAY-77 JUN-75 (Veteran Grady Ferguson)

ACKNOWLEDGEMENT: GRACIAS for the large turn out of reporters this time. Your support is recognized and appreciated. Please keep the reports coming. As mentioned elsewhere in NASWA, I will answer all technical and semi-technical questions in re the hobby, such as receivers, accessories, so on. Just please include a SASE.... In closing, last minute items may be phoned to 882-3976, after 2200 GMT. See you all next month, Happy DX Hunting.....