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NORTH AMERICAN SHORTWAVE ASSOCIATION

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****Headquarters-NASA 1503 Fifth Avenue #2 Altoona, Pennsylvania 16602 USA****

POINTS TO PONDER!

Speaking, not as sage or such, but as an OM who has been around the clubs and hobby 10 these many years (six to be exact!), I can perhaps understand somewhat better than the average member/DXer, the "WHY" regarding the frequent change-over of headquarters or editorships in certain/various clubs. I offer the following then for you to cogitate.

For the most part, those OM who take over a club as executive editor or president, etc., do so because they have sincere desire, serious interest in the hobby. There are a few instances however, when at times, an OM will do so merely as a venture; A "stab" at something new...or even merely that he thinks it will "glorify" him. In the latter case, and to the disgust of any that may fall "prey", this type OM soon finds the work anything but glory and so he QRT's and the club folds. It is a rather fortunate thing that this type OM dont come about too often, but at times such do...and no good is done neither his venture, nor the hobby.

Let's get back to the sincere/serious OM though; He accepts the position because he is wantful of trying to better his club, its' bulletins, and to effort to make the hobby more enjoyable resultingly. He gives of his time, and often his own money, in pursuance of that clubs purposes/goals; DXers come to respect his sincerity, regard his ability...and they join the club. Same is true with section editors; Their work, help and advise becomes appreciated, especially by the newer DXer and more and more join the club to support him, to get bulletins and follow his work/sections. It is the combined work of the club officers and bulletin staff that keep bringing new "life" into the hobby. Through their efforts members give support. The club grows, the work of officers and staff increases...What was once a hobby pleasure now becomes somewhat a burdensome task. Vocational and/or educational QRM enter in or are encountered...oft times even personal idions. Tis then the officer/editor must make way...give over his position to another OM; Not exactly because he wants to, but because it is for the betterment and in interest of the club. Far too many fellows do not appreciate where hobby ends and vocation enetrs in. Even more numerous are those who confuse a hobby club bulletin with the monthly commercial publications, thinking/considering that both are subscriptions; This is not so! And too, club officers/editors do not get paid, yet some members think so. Another reason some officers/editors resign, hdqs change, is because they find the trend becoming new...members want/desire new ideas and goals, are no longer in line with those on which the club was built. No officer, no editor, no club has yet been able to please the majority of its members in all ways! That is why there are so many different clubs today...an OM joins one or another because he likes this or that in one bulletin better than in another.

Changes in officers/editors/club hdqs will continue to occur, they always will. No matter though, becасue the DXing hobby will evermore have those few sincere and serious OM, somewehre who gave of their best, hoping too, it be done by the rest. B.E.

FRENZY



FRENZY is the official publication of the North American Shortwave Association; It is not copyrighted. There are no subscriptions...Only sincere and active members are entitled to receive copies by application/joining the organization, paying required membership fee (\$3.00 per year to residents of North America, \$4.50 to all others.)

This and all editions are made possible through the combined interest, cooperation and support of the club officers, editorial staff and members.

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Club Motto "Unity and Friendship"

ON THE WAY!

According to latest word from Denmark, the order of all handbooks (both SW and MW) as well as BIT's, has been filled and mailed. All members who ordered via hdqs should be receiving theirs shortly. Those who will be getting BIT's are sure to be especially pleased. Too, the latest (1965) WRTH is the largest edition ever published. For info in direction of all ECBers, word from Howard Sam's & Co. is that the new edition of North American Radio-TV Guide will be ready for distribution early this summer. (This is the former Jones Log!)

ANNUAL NASA/CDXC COMPETITION

To those NASA members invited/requested to being on team representing us in the ham-band contest, please be informed that the CDXC has asked for cancelation of previous arranged date(s) due to changeover of its hdq, et al. We will let you know new date and any other changes as soon as arranged and agreed to by both clubs. Thus far, the following members have consented to take part on behalf of NASA: Bill Jones, Peter Lew, Bill Strait, Ed Smith, Dick Malchetske, Alan Herrington, Bill Ruland, Pete Glenn; Word is being awaited de others.

CUBAN MAIL

Word from member Ken Austin is that mail in parcel form can again be sent to Cuba, but that they cannot be sealed, and there is now more "red tape" involved (many customs forms have to be filled out, etc.) Ken sez, and it seems obvious, that though approval has been given, it appears much is being done to discourage it.

EMBLEMS

The minimum number of orders for club emblems (150) has not been received here at hdq, but nonetheless action has been taken and an order sent. Only difference is that since order was not sufficient to warrant discount price, emblems will not be of as good quality as planned/hoped. Still, they will be far superior to the cheap types.

1 members who ordered emblems will receive them soon via first class mail. QRX! Any other members interested in ordering may send 69¢ (not in coin!!) to hdq. Emblems are on royal blue, felt background with gold lettering...are 4" in diameter. FR!!

DE MEMBERS

Hdqs is informed by Tom Disphan that he is QRTing hobby and will be entering the U.S. Navy.....Member Paul Bassiri tells us he is now out of the French Air Force and his new QTH is: Saint Pal en Chalencon, Haute Loire, France.

AROUND THE CLUBS

ASWLC II has moved its hdqs to QTH of new Exec. Editor, C. M. Stanbury II, Box 218, Crystal Beach, Ont., Canada. Former Exec. Editor, Gerry Klinck, will stay on as the publisher of SWL and possibly as a section editor.....The new Manager of WMRC, Joe Johnston, is finding a bit of rough going in that various of former section editors are QRTing or have informed him of plans to do so. Fellow WMRC/NASA member Robert Rooney, in meantime, has volunteered to help Joe by accepting office as Secretary for WMRC.....CDXC hdqs again moves to QTH of Dave Bennett, 926 Diamond Road, Richmond, British Columbia, Canada..... International Mike n' Key Radio Club seems to have gone down the drain. Mail sent to editor/publisher, Red Greenwood, is being returned marked "Moved, left no address!".....DX Internationale has informed its members that it is no longer a club, but is now an organization!!!

CLASSIFIED

For Sale- RME presselector (DB23). Used but in excellent condx. Can be operated with any rx. Covers 10 through 80 meters. Write to; Jerry Florance, 130 Kiel Avenue, Butler, New Jersey.

For Sale- Heath "Marauder" HX10, Heath "Warrior" HA10, Drake 2B rx w/100kc calibrator, Q-multiplier for Drake 2B, and many other items. Write Bob Sicotte, 1600 South 21st Avenue, Maywood, Illinois or Clarence Green, 4715 West Huron St., Chicago, Ill. Wanted- Transformer-Stancor #P6014 or a Thorenson #T22R07 or Merit #P2954. Write Dick Jerneman, RR 2, Box 104, Stanley, Wisc.

BOD IN ACTION!

NASA Board of Directors are busy these days trying to find time from other duties so they can work out a suitable draft for a club constitution. Such is not as easy nor as simple a task as many members think. Success is never found in haste!

NEW
MEMBERS



NEW
MEMBERS

Ken Seager/ZL2PFLA, 29 Kapiti Crescent, Titahi Bay, Wellington, New Zealand. "My rx is an Eddystone communications model 840A. I use a dipole, 150' long and 25' high and am presently building a loop for BCB. Of the 465 QSL's I have to date, 255 are from SWBC representing 76 countries; 54 from hams in 12 countries; 33 utilities in 10 countries; 122 from MW/BCB in 17 countries. These have been collected over a period of 5 years. Age here is 22 and I am single. Am interested in cardswaps and will also begin tapesponding as soon as I get my own recorder. Other interests are awards/certificates, contests, stamps and photography. My vocation is office machine technician. I joined NASA via mutual friend Joe Fela."

David Hailey/WPE4ENX, 1013 Graybar Lane, Nashville, Tennessee. "Recently with the U.S. Army, stationed in France, now back into civilian life and hope to return to my old hobby of DXing. Rx is an SX100 with S120 as standby. Antennae- a vertical, a doublet and a cubical quad, plus a 175' longwire. I mainly DX the hambands. Am a cardswapper, plan to be a tapesponder. Other interests are certificates and contests, stereo music and pen pals (I am President of the DSWCC-Dixie Shortwave Correspondence Club). Heard about, joined NASA via Clarence Green. Am 25, single."

Philip Zucchi/WPE1FXF, Box 443, Manomet, Massachusetts. "Am currently a Jr. in high school, aged 16. Have been DXing for nearly 2 1/2 years and have hrd 59 countries on SWBC with 38 QSL'd. Rx is an S120 using a 75' longwire antenna. Am not a cardswapper yet, but plan to become one. Interests include awards/certificates, contests, coins and photography. I first heard about NASA via ANARC/Don Jensen. Am a member of the Radio Canada SW Club and EIDFC."

Melvin Flannagan Jr./no WPE yet/ 313 S.W. 5th Street, Charlottesville, Virginia. "Being interested in DXing, a member of RGSWC and RFDXC, and having heard about NASA via many friends and some publications, I am pleased to join. I am 22, single. Gear is a Star-Roamer with longwire antenna, and a CB xcvr. I prefer for DXing, SWBC and BCB; Have a total of 50 QSL's so far. I am a cardswapper and tapesponder, also interested in awards and contests, pen pals, stamps and model railroading. I believe very much in NASA motto!"

Silvio Marini/WPE4IIO, P.O. Box 51, East Point, Georgia. "Became interested in DXing by running down the dial one night some months ago when I had a 4 tube Philco table model rx. Hrd 243 stations in 36 states and 5 countries on it. However I have had to start all over once again because I only learned about reporting and QSLing about a month ago. I now have an NC-190 and NC-121, plus an ARC-5 rx; Antennae are a HyGain SWC and a 50' inverted L. Now DX SWBC, MW and ham bands. Other interests include guitar, stamps and home movies. Am member of ENRC, hrd about NASA via WRTH. Age is 24, am married and have two jr ops, both boys; Vocation is timber products inspector."

RENEWALS

Tom Mann and Curt Webber (for their 4th consecutive year), Don Erickson (for his third year), and Dick Jenneman, Tom Hummer (thier second year).

NEW QTH's

Paul Bassiri, Saint Pal en Chalencon, Haute Loire, France
Ted Templeton, P.C.Box 8, Sagertown, Pennsylvania

MARCH BIRTHDAY GREETINGS

Many happy returns to: Roger McIlcoll, Dick Moore, Fred Parsons, Gerry Dexter, Jimmy Ekblom, Bob Moore, Joe Rudolph, Jim Howard and Mel Flannagan. Have a ball, y'all!!!!!!

ANARC REPORTE

by Doug Benson & Frank Peters, NASA Reps

What has the ANARC accomplished in its tenure of existence to date? That's a question often asked of your representatives. This month, let's look at the facts thereto.

Fact: The ANARC has deepened and strengthened the member clubs into at least a more closely working organization, if not an actual cooperating body.

Fact: Clubs throughout the nation and hemisphere are recognizing the importance of representativenship and voting membership in the ANARC, and the number of small clubs willing to devote money and time to voting membership is evident. In short, the ANARC is being recognized as an important asset to the hobby. This statement could not have been made even scant months ago!

Fact: Groundwork has been laid (through appropriate resolutions submitted to the voting members by each representative) on such basic problems as a Country List, a possible Liason between ANARC and equipment manufacturers, a proposal to provide a medium of exchange of data on upcoming Special DX Programs, and an ANARC "DXer of the Year" award. How many of these have borne fruit? How many of these have failed? Let's take a look!

The country list standardization proposal was apparently considered to be premature by the voting members and it has been shelved. The Liason to manufacturers proposal has been introduced and further action is expected as details are worked out. The proposal for a medium of exchange on Special DX Programs was approved, but is found lacking in practice. The "Man of the year" award will shortly be announced from ANARC Hdq.

Fact: Positive action has been taken by ANARC (through its individual members) to aid the Benelux DX Club in its compilation of non-verifying stations. ANARC has sponsored and supported the recent DX Special from Gambia Radio, a precedentsetting achievement for North American radio hobbyists although European club/alliances have succeeded in this respect for years.

summary, the future looks good for ANARC, far better than it did even six months ago. With the underlying problems, both real and imagined, ironed out between member clubs, ANARC will prosper with increased enjoyment of the hobby, closer ties between all connected with it.

And so what's up next? What will ANARC be tackling in the future? Proposals submitted for possible consideration include; Mutual interference on the SWBC Bands and recommendations to the various stations involved. The lack of verification by many stations. Lack of calibration of SW bands on U.S. made receivers. Possible meeting of all ANARC representatives somewhere in the U.S. in future.

Now, just how do YOU fit into the picture? Your comments on any or all proposals, your individual ideas or thoughts, and most important, YOUR specific suggestions on subjects that ANARC might explore more fully, are welcomed. Send them to either of us, we are YOUR representatives! Our QTH's: Doug Benson, 502 Main Street, Laconia, New Hamp., Frank Peters, 820 West 34th Street, Chicago, Illinois. We'd like to hear from YOU!!!!

GETTING TO KNOW THE CLUBS IN ANARC

In order that NASAers might become better acquainted with the various clubs that make up the Association of North American Radio Clubs, your hdqs has requested officials of these clubs to submit, for publication in Friendx, editorials regarding the aims, goals and purposes for which they work. We here then are happy to introduce the first in this series of such editorials and take pleasure in introducing our fellow-ANARC member....

AMERICA CENTRAL RADIO CLUB - APOLOGIA PRO VITA SUA
by Richard Wood, Editor

I, a native of Great Britain, I have lived and DXed extensively in European countries, both from my home in Newcastle-England, and from Germany, Denmark and Sweden. In the last two countries especially, and above all in Sweden, the mecca of DXing, I have had the opportunity to meet many leading DXers and discuss hobby affairs with them. One of the principle subjects of discussion among European DXers, as among their American counterparts, is the organization of DX Clubs, and through my knowledge of Swedish I

have been able to follow closely the running of the world's largest, most successful located in Sweden.

Upon coming to America (to teach linguistics at the Indiana University) it became evident to me that there was a wide gulf separating DXing practices and DX Clubs in our two continents. And so, although I first acquainted myself with the existing clubs and bulletins, I finally came to the conclusion that a new body would have to be organized which, with the help of some like-minded DXers, I have done in the ACRC. This club has no governing body or committee. Its stated policy is not to devote space in bulletins to organizational matters - articles, to voting or wrangling. The ACRC bulletins are devoted exclusively to DX news and articles, and, like all leading European DX papers, we deal solely with broadcasting stations, be they on medium, short or ultra-short wave. Ham radio, an entirely different hobby, cardswapping, utilities, etc., are excluded. Also are run-of-the-mill loggings of VOA, big European stations and the like. The ACRC's editorial policy is a strict one. Only accurate, reliable, useful loggings are accepted! We try to keep errors to an absolute minimum, and to devote maximum space to the rare Latin American stations which offer the real challenge in DXing (and in which the majority of Swedish DX clubs are most interested.) Every bulletin features articles on Latin American stations or on other subjects related to LA DXing...such as identification of stations by Spanish dialect differences, sign off techniques, National anthems, etc. We strive to increase quality DXing by publishing reception report models in grammatical Russian, correct French, or whatever the language may be. Also we encourage a study of the more advanced aspects of DXing by publishing a month-by-month summary of prevailing conditions for all parts of the world on each international broadcasting band. In order to obtain information direct from Latin America, free and honorary memberships are offered any LA DXers who contribute information re frequency changes and/or unlisted stations.

As the goal of ACRC is to improve the quality of DXing in North America, i.e., to turn DXers to the challenges of non-English-speaking, hard to verify, frequency-shifting stations in such regions as Latin America, we, from time to time, hold competitions for the QSLing of such stations...give free membership as the prize. It has also been suggested that members contributing valuable information be rewarded with free membership, while inactive members would continue to pay. Another system is that of the Swedish elite DX clubs, which are confined to, say 30 members, recommended/chosen for membership on the basis of their reputation as quality DXers, and excluded if they are inactive for, say, 3 months. This system has much to recommend it.

Our annual membership fee of \$2.00, at home or abroad, free to contributing DXers in Latin America, is not intended to make a profit, but merely to cover cost of our monthly bulletins (free sample can be had by writing 207 E.16th St., Bloomington, Indiana) ACRC is affiliated with ANARC and I have recently been appointed Chairman of a committee which will make recommendations for times and frequencies to major broadcasting stations beaming transmissions to North America. I should like to take this opportunity to ask those of you with accurate frequency-measuring equipment, who would like to aid or serve on this committee, to contact me at the above address. I should also like to thank NASA for giving me this opportunity to outline ACRC for those of you interested.

73, Richard Wood, Editor - America Central Radio Club

This has been the first in a series of "Getting to know the clubs in ANARC"; Next month it will continue providing editors/officials of other affiliated clubs comply to the request of NASA hdqs and submit editorial-material for containment herein. Following is present list of all clubs in ANARC who are invited/requested to cooperate:

- | | |
|--------------------------------|----------------------------------|
| American SWL Club | Newark News Radio Club |
| Canadian DX Club | National Radio Club |
| Canadian International DX Club | Great Lakes SW Club |
| Kentucky DXers Association | International Radio Club America |
| | Worldwide Radio Monitors Club |

SUPPORT ANARC AND AFFILIATED CLUBS.....PROMOTE "UNITY AND FRIENDSHIP" !!!

NASA NEWSROOM

by WPE2MI

Doug Benson Editor 502 Main Street Laconia New Hampshire USA 03246

Greetings and best wishes from the Granite State and the shores of Lake Winnepesaukee. Yours truly, with those few words of greeting, bows in as new Newsroom Editor. No drastic format changes are planned for now, as we think both Ron's and Bill's handling of the column has been excellent. As always, your support or lack of same will make or break this section, and your news items are solicited. What constitutes usable Newsroom News? Simply anything of general interest pertaining to Radio or Communications in general. All contributions will be duly acknowledged, and we'll be glad to correspond with any Shortwaver. With the introductions over, let's get into this month's news....

AT&T to be prodded by the FCC? White House insiders hear that the FCC may move to force American Tel and Tel to divest itself of its profitable Western Electric Division, and move to strip AT&T of its International Operations. Note that Lee Loevinger, formerly head of the Justice Department's anti-trust division, and who argued for such action while there, is now an FCC Commissioner. (L. Schneider in his column Tradewinds)

FCC approves LBJ linked sale The Federal Communications Comm. has approved the sale of a Louisiana television station to a company partly owned by the President. By a 3-1 vote, the FCC authorized sale of station KLFY-TV of Lafayette, La. to Texoma Broadcasters Inc. (AP)

Eavesdropping on the Heart Serious heart murmurs..out of the range of the stethoscope and other similar devices..may soon be detected more easily via an internal microphone developed by three doctors in Kansas City, Missouri. The new technique employs a miniature microphone which is fastened to a catheter(a long hollow flexible tube). It's passed through the mouth, and to a point close to the Mitral valve of the heart, to detect possible damage to the valve, a condition usually associated with rheumatic fever. The action of the heart is picked up, amplified and pictorially depicted by a phonocardiograph. (Rx Health Magazine, January 1965)

Navy to play Turtle Trailer The green turtle swims 1000 miles from the coast of South America to Ascension Island. The Navy, always interested in natural homing phenomenon of this type, will attach RDF transmitters to the turtles. They'll be taken a few hundreds of miles out to sea and dumped overboard, while the Navy studies their inward-bound path(Columbia University) Can't help wondering what the turtles would say...

Hollywood Agent praises CBers R.W. Moore, KKM2410, General Agent for Katona Productions of Hollywood(they handle the Beverly Hillbillies) spoke in Laconia the weekend of January 20th. He had owned a DCB set for just one week, and dropped in surprisingly at a local CB meeting. He noted that his travels as a publicity agent had ofttimes given him "a foul impression and opinion of people". He noted that the CBers were the first group of people throughout the states who, by virtue of their friendliness and helpful manners, have helped to renew his faith in people.(Ye Editor) Mr. Moore, we echoe your comments, not just for the CBers, but for all devotees of the friendliest hobby in existance..(Ed.)

RCA In the News The Board of Directors of RCA approved a two week extension of company's offer to buy for retirement the 900,000 shares

of first preferred stock. Priced at \$90 per share. (Boston Herald)

Quote of the Month Lorne Greene noted that 15 years ago, when he was doing 15 newscasts a week for the Canadian Broadcasting Corp., he made more money than the Canadian Prime Minister. He says "I knew it because the papers printed the Prime Minister's salary". (AP) He struck a Bonanza there, for sure....

Plans afoot to link all Africa via Shortwave From Addis Ababa comes word that plans to link all the African capitals by HF Radiotelephone are being formulated, and that plans to set up a Pan-African Telecommunications Network were submitted to the 7th Session of the United Nations Economic Commission For Africa in Kenya in the second week of February. (UPI)

Stamp to commemorate radio Austria will issue a Commemorative Stamp this year in honor of the 100th anniversary of the Austrian Telecommunications Union. (Syd Kronish, writing for AP)

US to Help Nigeria Nigeria plans to carry out an extension of her communications network with American help. Further details lacking. AP

Color TV in THE USSR The USSR is planning to have a regular color TV service in about three years. Soviet technicians are presently testing out both the American and French color systems to determine which is the better for use in that country. (From R. Nederlands broadcast, monitored by Ron Luyster.)

Radio Free Europe Drive For Funds The National Chairman of the Radio Free Europe fund recently launched the 1965 fund-raising drive. Hoped-for figure is twelve million dollars. The drive was kicked off at a program and luncheon in Pittsburgh, Pennsylvania. The National Chairman, Crawford Greenwalt, is also chairman of the board of E. I. DuPont de Nemours Company. (From Pittsburgh Press, via Ron Luyster.)

Electronics offers Instant Braille A Stanford scientist is developing an "instant Braille" reading machine for the blind. The device moves on rollers over a printed page. Photoelectric cells reconstruct the outline of each letter by causing the tips of fine reeds to quiver under the reader's fingers. (Submitted by Ron Luyster)

Radar Set Waste Charged to Navy The Navy was criticized in Washington on January 16th for buying more than a million dollars worth of radar sets as a form of insurance. The General Accounting Office reported that in 1961 the Navy bought 26 sets when there was no firm plan to use them. They had planned, at one time, to install them on the F-8-D aircraft. But while the plane was still in production, a newer version of the set was decided upon by the Navy. (From Ron Luyster)

Odds and Ends

Government Printing Office offering "Fundamentals of Electronics", an eight-volume set, from \$1.50 to \$2.75 per volume. QTH Division of Public Documents, Washington 20402. (R. Luyster)

US has two new Vela satellites up Vela satellites, in orbit to detect nuclear explosions in space, now number four, with two more to come this year. The AEC says all have ranged out beyond the Van Allen Belt and have demonstrated the feasibility of satellite-based detection systems. (UPI)

News items not credited to NASAers are submitted by Ye Ed. That uses up our allotted space this month, and we'll be back next month with more News and Views from the Shortwave hobbyists. Keep smiling, it's lots easier.
Doug WPE2MI

SHORTWAVE CENTER

SWBC

ALL GMT

Compiled at NASA Headquarters

Deadline, March 20th

REGULAR MONITORS SCUGHT!

Of late, a number of DXers/SWL's have been receiving mail from Radio Prague asking if they would like to be regular monitors of that station. This has been reported here to NASA hdqs by several of the newer SWBCers who have recently sent reception reports to the Czeck station, and who ask the opinion we hold on the matter.

Firstly it should be pointed out that most all SWBC stations seek/desire regular and reliable monitors; Many DXers/SWL's are such for various of them and submit reports on sked setup between the station and the monitor, or as requested by the station. There are no political ties involved! Acceptance is entirely voluntary and to descretion of the individual. Same holds true for case in point!

As seen from hdq standpoint, there is nothing wrong with agreeing to becoming a regular monitor/reporter to any station. Such agreement on the part of the monitor does not at all committ him to any political ideology. We here are concerned with the hobby of radio monitoring and so long as reports sent stations are restricted/based on this, it aids in bettering relationship between listener and broadcaster.

True there have been some OM who have recieved questionnaires to fill out and return to stations; These questionnaires went beyond the usual reception report data....touched on the personal life of the OM. This is rare however. Too, such questionnaires need not be completed and returned to the station(s)...should not be taken as mandatory, but rather as request of the station. In accepting to be official/regular monitor for a station, you are not legally bound! Acceptance is nothing more than a gentlenanly agreement. No pay is involved, but a number of stations do show appreciation by sending token gifts of sorts in some instances (calendars, pennants, picture post-cards and stamps are a few examples).

The only drawback in accepting/agreeing to becoming a regular monitor for stations as the one in point would be the possibility that certain propaganda type mail would be likely recieved....Still this means not that the monitor is connected/interested in any way, any idion thereto. And such mail can always be filed fittingly in file 13. Before agreeing or rejecting invitation to become official monitor of a station, ask yourself these questions: Am I interested in the station? Will my being a monitor for it be of mutual benefit to the club(s), hobby, station and myself? Base your decision on your answers! (Comments on this subject are invited.) Bill Eddings.

CONGRATULATIONS!

NOW HEAR THIS!!!

Member Tim Hartmann of St. Louis has been named as winner of the WRUL-DXing World-Wide contest 1965. Tim came out on top of all other DXers from all over the world. Nice going Tim, NASA salutes you!

Joe Mauriello and Jim Kowalski have both earned the NASA "Twentyfiver" SWBC award.

..REPORTS WANTED..

ORTF, "Ici Paris" is requesting reports, either written or taped, for programs in English, French, Spanish (heard 2230 to 0300) on 5955, 9680 and 9755kcs. QTH is ORTF, 116 quai de Passy, Paris, France.

It is imperative that reports, skeds and other data/info for this section that is submitted for containment, and that has been taken from other publications, be credited properly in every instance.

Such reports/data/info has been recieved here and we know for certain it/they were copied from other sources...were not the WORK of the reporter himself...yet he did not give credit where due, submitted all in his own name...on more than one occasion. Approached on the matter by hdq, he has declined to reply/explain; He has now been asked to resign/cancel his membership! The club/hobby can do without his likes!!!

BROADCASTING CORPORATION OF CHINA

THIS IS THE BCC

The Broadcasting Corporation of China went on the air for the first time in August of 1928. It was China's first network with nationwide hookup. Today it is still largest broadcasting company in Free China. It has kept expanding, in equipment, transmitters and facilities for the past thirty-seven years; Presently has three transmitting centers, three relay stations and a network of local stations. Spacious, modern studios were built in Taipei, Chiayi and Koashiung in 1961. Work has been recently completed atop Mt. Hohuan, rising 11200 feet above sea level on the ridge of Taiwan, for an ultra-modern shortwave relay station.

It has been the policy of the BCC to report faithfully, and with top speed, news from and about Free China and the Free World. All of its long and shortwave transmitters are beaming the word to Taiwan, the mainland of China and the whole world. In the domestic broadcasts, the BCC has three networks; Number One uses the Mandarin dialect, Two uses Amoyese dialect, Three is predominantly educational. In overseas broadcasts, the BCC is better known as "The Voice of Free China". In eleven languages, it has forged an unbreakable bond between the overseas Chinese and their motherland and has been projecting a clear image of Free China for foreign listeners. The VOFC broadcasts in ten different wavelengths; Languages used are English, Malay, Japanese, Korean, Hakka, Vietnamese, Mandarin, Tiaochow, Cantonese, Amoyese and Tibetan.

The BCC transmissions are heard by millions on the Chinese mainland even though these are now outlawed by the "Red" Chinese who forbid mainlanders to tune non-Communist broadcasts. The 12 transmitters of the BCC Mainland Department beam 32 hours of programs to the mainland every day. Languages and dialects used for these are Cantonese, Mandarin, Hakka, Amoyese, Shanghai, Mongolian, Uigur, Tibetan and Russian.

The BCC, never satisfied with its own VOFC broadcasts, also mails out exchange and special programs to foreign stations for local broadcasts. Some of the U.S. stations which are participating or have participated are WAIT, WIND, WMAQ, WGN, KHVH and KTRH. Also Canadian stations CJOR, CHQM and CBC.

The engineering department of the BCC has done a great deal to add to the punch of its signals. When BCC moved to Taiwan fifteen years ago, it barely had 100kws of power; Today the total combined output is over a half-million kws. BCC transmitting centers are located at Panchiao in the north and Minghsung in the south. A VHF relay center on Mount Hohuan makes it possible for the radio beams on the east and west coasts of Taiwan to cover/form one single giant network by criss-crossing the central mountain range. The BCC has also established, on the banks of the Love River in Kaohsiung, a 216 foot single antenna for three transmitters connected by a triplexer. A big studio able to accommodate 300 persons at the same time, is located in Taipei.

An interesting fact about the BCC is that it manufactures and sells radio receivers and other radiological equipment.

Our sincere thanks to Mr. James Wei, Managing Director of the BCC, for his assistance in supplying material for this article.

Lou Stober, BoD-NASA

The following is BCC sked of English programs..Entertainment from Free China.. In GMT.

FIRST BROADCAST:	0250-0350	on	6095, 11725, 11825, 15345, 17890	Daily
SECOND	" : 1010-1055	on	6095, 11725, 11825	Daily
THIRD	" : 1530-1610	on	6095, 7125, 9755, 17890	Daily
DRAGON SHOW	: 1130-1200	on	6095, 11725, 17890	

Your reception reports and programs comments/suggestions are cordially invited. The BCC will be pleased to QSL. Tape recorded reports are also welcomed, but are requested to be of at least 10 minute duration and at a speed of either 7.5 or 3.75 ips.

Listen to, report to the BCC, Voice of Free China, Taipei, Taiwan, Republic of China!

New QSL's recvd here of late are from Radio Pakistan, after 8 wks, very nice card from Mauritania after 8 weeks, card and pennant from YVOC and card from YVMQ. (Bill Sparks)
 QSL's in from Lagos, Nigeria in three weeks, Radio Kiev in three weeks, and from Radio Portugal after two reports plus 6 different forms they sent me to fill out. (Frank Dominesko)
 QSL's added here from RNE-Canary Islands by letter in 10 days, Radio Malaysia with card after 3 months, Saudi Arabia with a picture postcard in 10 weeks, and another card from Tchad for report sent in July '64. (Frank Peters)



Recent QSL here from Radio Sweden after reported reception on Jan. 6th transmission via 5990kc. (Charles Johnson)

Finally rcvd QSL card from Radio Presidente Balmaceda-Chile (9600kc) after 8 months, also anniversary card from Radio Australia (17840kc) after 4 months. (John Pirnat)

For QSL Report; Cards from- Rangoon, Burma in 18 days, Vatican Radio in 9 days, Radio Nederland in 22 days, Switzerland in 33 days, Radio Prague in 31 days, BBC in 24 days, Radio Barquisimeto in 16 days, and Radio Sofia in 26 days verifying reception two hours earlier than I reported it. Also, QSL from Radio Iraq which I reported hearing on MW, yet they verified for SW. (Robert Newhart)

Received QSL from Radio Belize after 20 days, also pennant from Radio Pacifico after only one week. Pennant indicates it is member of RCN-Colombia. (Tim Hartman)

QSL info from here; Radio Sofia in 3 months, Radio Belize in two weeks, nice card from La Cruz del Sur after 10 weeks and from VRH8-VRH9, Fiji Islands in 3 months. (Lou Stober)
 Radio Finland QSL'd report of Nov. 28th, rcvd here Feb. 9th. (Ernie Zecchini)

UNIDENTIFIED



What is the all French speaking station on 9480A, hrd 0100-0345 with mixed U.S. pop tunes and Spanish mx? (Rudolph)

What Santo Domingo station, on 4915 is hrd signing off at 0400? (Sparks)

ENGLISH DE SWEDEN

NON-ENGLISH STATIONS

The English language programs for March will be largely marked by the quietness of the Lenten season. Of special note, perhaps are the Sunday programs when Interlude will alternate with Houseparty. In each of the Interlude programs, as for the past several months, Trevor Williams and Sidney Coulson will present another episode of "Journey through Sweden" to give listeners an idea of what traveling in this country is like. Personalities to be heard this month are such as Ebba Falk, Claude Stephensen who will have as their guests Elsie Segerstrale and Gunilla Astron, along with Dr. Rudolph Narath who have been answering mail for Radio Sweden for over twenty years. Regular listeners may find it interesting to hear voices of those who send them their QSLs. Radio Sweden can be hrd. daily to North America on 5990kc at 0145, 9705kc at 0315, 15300kc at 1400. There also is now a new English transmission on 6065kc at 1100.

Big complaint amongst SWL's whose only language is English is that it is rough, even at times impossible, to ID stations not using English. While this is true, there are ways however that may pay off. For instance the ID for London in their Spanish programs to Central and South America would be written as "Habla la BBC de Londres"; A typical ID from Paris, in French is "Ici Paris" which, when spoken, sounds like "Ee-see-Par-ee". Close listening is most times necessary to ID a station using a foreign language. A trick is to write down what you hear and think to be the ID...write it as it sounds to you, phonetically. Two aids in IDing an unknown language are a tape recorder and a copy of the WRTH. The recorder allows you to play, over and over, the ID...the WRTH gives written ID's in most all languages a station uses. Write them, speak them phonetically and it will help solve many heretofore unID's for you.

IRREGULAR VERIFIERS

Courtesy - Dexplorer Radio Association

The Dexplorer Radio Assn presents a list of irregular verifiers gathered from all available sources of information. It is the intention of the Assn to try to present a list that is as nearly up-to-date as possible. The Assn takes the position that almost all of the international broadcasters on shortwave will verify a reception report at one time or another; However many stations, for reasons of politics, economics, or just plain laziness, may refuse to answer reports for extended periods of time, or become irregular in doing so. No attempt is made to include private commercial Latin American stations, a large portion of which must be considered irregular. (By irregular is meant stations may verify on the first report from one DXer, but will fail to reply/answer several reports from other DXers at the same time.)

Bill Sparks

Stations-~~AFRICA~~

Remarks

Abidjan Highly irregular and getting worse.
 Uganda A few answers via aero letter. Sez insufficient staff to QSL 100%.
 Conakry Almost 100% NON-verifier at present.
 Libya Not known to verify for some time. Little info currently available.
 Sudan Very few replies at this time. Recent political changes may result in changed QSL policy.
 Tunisia Very slow, but does QSL some reports.
 Mauritius Has verified in past years, but not recently.
 Voice of Ethiopia Did QSL by card, but not replying now.
 Ziguinchor, Senegal Dont seem to answer
 Elizabethville No QSL's reported since Katanga became part of Congo. No replies reported now from other Congo regional stations.

Stations-~~AMERICAS~~

Martinique No recent reports of verifications.
 Belize QSL's by card, is irregular, but improving.
 Windward Islands Irregular. Sez insufficient staff to answer all reports.
 R.A.E. Irregular and slow, but does seem to reply eventually.

Stations-~~ASIA~~

Saudi Arabia Had been irregular, now getting better.
 Syria Had a card. Now irregular. Reported using letter.(if you are lucky)
 Mongolia Little info available. Dont seem to QSL.
 Pyongyang Sometimes QSL's by letter, but is irregular.
 Sanaa Very little info at this time.
 Pakistan Irregular, but seems to be sneding out a few cards now.
 Thailand Has beautiful card, but may take several reports to get one.
 Burma Very slow and sometimes irregular.
 Ceylon The station itself send out vry few cards, but prompt answer can usually be obtained on the commercial service (Radio Advertising Services, Cecil Court, Lansdowne Road, Apollo Bunder, Bombay, India)

Stations-~~EUROPE~~

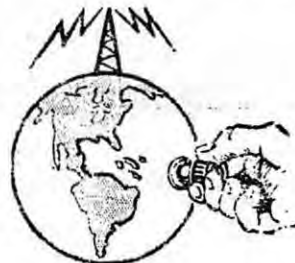
Finland Purports to QSL 100%, but is actually very irregular.
 Portugal Slow, frustrating, irregular. Little evidence of improving.

(The DXRA is a small group of dedicated DXers working together via projects regarding the hobby, mutual interests and the overall betterment of all concerned. Our thanks to DXRA proper and especially to those who are fellow NASA members giving of their talents and time so that we might all share equally, the fruits of their labors. B.E.)

NEWS

TIPS

SKEDS



HONDURAS. New/unlisted station on 4950 is HRRZ, Tegucigalpa. Hrd signing off at 0300 w/ID in Spanish, orchestra playing pop dance mx. Have hrd this station time to time for about a year, but only able to catch ID this time. (Sparks)

SAHITI. Now on new freq of 6140 having moved out from under Radio Havana (6135). (Sparks)

COLOMBIA. Emisora Nueva Granada-HJKJ moved up to 6170 from old 6160. (Sparks)

ALGERIA. Now being hrd at times around 0630 on 6160; It is not //6080. (Sparks)

NEW CALEDONIA. Radio Nounea now hrd at times on 3355 in French. Not being hrd on old freq of 7170 lately. (Sparks)

SENEGAL. Dakar is drifting off old 4890 and now hrd on 4895 around 0700. (Sparks)

WEST GERMANY. D.Welle on new 15155 at 1630 with Afrikan Service in Eng. (Sparks)

SYRIA. "Damascus Calling" on 15165 at 1700. This is a one hour prog in Eng. (Hart)

AFGHANISTAN. Has Eng at 1500-1530 on new 4785, using 100kw now. (Newhart)

BULGARIA. Correction to WRTH: Greek 1630-1655 on 6070//7255 and 9700. (Newhart)

USSR. Kiev has Eng lessons at 1520 on Saturdays, freq is 4940. (Newhart)

ECUADOR. Radio Proclama de Bolivar on 4900. Much QRM. Mostly Sp mx/songs. Hrd 0145-0259. No commercials hrd, but some anmts in Sp. (Peters)

AFRICA. Good DX from here can be hrd around 4.-5. mcs at 2200-2300; 3.2-3.4 mcs at 2215-2245; 2. mcs at 2230-2330. (Lonn) What in particular, on what specific freqs Bob? Ed.

BRITISH HONDURAS. Belize sked: Weekdays-1200-1530, 1800-1900, 2230-0400. Sundays-1200-1900, 2230-0400. All on 3300kc. (Hartman)

MALGASY REPUBLIC. Radio Universite again on the air on 3374 at 1500-1930. (SCDXers)

NEW ZEALAND. Sked of special programs commemorating 32nd anniversary of the New Zealand DX Radio Assn, Inc: Sat., April 17th- On Radio Australia at 1930 via 9600//11840, 2200 via 15240//17715. Radio Bucarest- at 2100 via 5990//6190 and 7195. Radio Moscow- 2130 via 11690//9540//7280. Radio Canada- 0710 via 5970//9625. Radio Prague- 0800-0900 via 15285//15450//21450. HCJB- 0900 via 11915//9745//6050. Radio Denmark- 0915 via 15165. Radio Japan- 1015-1030 via 11875//15235. Radio Norway- 1100-1230 via 11850//15175//17825. Radio Tashkent- 1200-1230 via 11965//9600. Sun., April 18th- Radio Australia at 0730 via 9570//11710; 1300 via 9580, 1530 via 7220//9570. Radio Bucarest at 2100 via 5990//6190//7195. Radio Moscow at 2130 via 11690//9540//7195. Mon., April 19th- Radio Australia at 0215 via 15220//17840. All stations listed would appreciate reception rpts on these special programs. (Seager)

TCHAD. La Radiodiffusion Nationale Tchadienne is on the air weekdays 0500-0600 and 1200-2130; Sat. until 2300 and Sun. 0500-2130. Freq is 4904 $\frac{1}{2}$ morning and evening, and 6165 all day. This info according to verification QSL. (SCDXers)

CONGO REPUBLIC. Brazzaville on 11930//15370*now has Eng to Africa at 1915-1930. Former Eng on old 15190 at 1900-2000 not now hrd. (Balbi)

LIBERIA. VOA Monrovia on new freq of 11740*//7195. S/on in Eng 2345. (Balbi)

MAURETANIA. Correction!! Listed last month as Mauritius...Mauretania hrd w/native mx at 0645 on 3220. (Apologies de Ed.)

REPUBLIC of the CONGO. Radio Katanga now on 11865 in Fr. S/off at 2030 with ID as Radio National Congolaise. (Balbi)

FREE CHINA. BCC Tiawan, Voice of Free China has Eng mx at sign on 1530 over new freq of 9755*//7125. (Balbi)

IRAN. Radio Teheran hrd on new freq 11755* in language at 1805. (Balbi)

MOZAMBIQUE. Radio Clube de Mozambique on new freq 11962A* in Portuguese until sign off at 2100. Reception good WCNA. (Rowell)

SYRIA. Danish Embassy at Damascus confirms S.B.T.S. use of 11915. (WRHB/SWL)

CAMBODIA. Radio Phon Pehn(Phnon Penh?) on 5940 with Eng mx around 1245 on Tuesdays, Thursdays and Saturdays. Also at 0530. (SCDXers)

ETHIOPIA. Radio Addis Ababa on 9495 varies up/down as much as 5kcs, has strong but distorted signal in Eng at 1045-1100. Could this be new 100kw xmtr test? (SCDXers)

URUNDI. Radio Usumbura 6195 good WCNA 0430-0515. (SWL)

COSTA RICA. Call letters for new Radio Atenas on 6209 are TIJCB. Station actually sez freq to be 6150. (SWL)

HAITI. Radio Commerce again hrd on old 9480 1200 to after 0300. (DKWW)

. utilities UTILITIES utilities

MARINE-PHONE 2182 H.H.Brown working WMI Lorain 0635. (Mauriello)
 Stewart Henry calling Portsmouth 0650. (Mauriello)
 Tug W.T.Copan working Miami 1705. (Mauriello)
 StarFly working Key West 1710. (Mauriello)
 Houston calling WJG-Memphis 0740. (Mauriello)
 SS Cape Britain calling Detroit 0705. (Mauriello)
 W.H.Heller working Lock 16. 0708. (Mauriello)
 2198 Atlas Traveler calling WOX New York 1620. (Mauriello)
 Norse ship Hina working WOX New York.1625. (Mauriello)
 Tanker Etude calling WOX New York 1720. (Mauriello)
 2166 Atlantic Challenger calling Wilmington 0822. (Mauriello)
 Tanker Flying A calling Wilmington 0830. (Mauriello)
 RES Dalphin calling Wilmington 1637. (Mauriello)
 2670 USCG Cutter Mackanack working SandyHook re crash of DC7.
 USCG Cutter Arbutus working USN Tug Allegheny 0800.(Mauriello)

AERO-PHONE 5521 KWD6 Anchorage w/wx report 0530. (Mauriello)
 VFG Gander w/wx report 0535. (Mauriello)
 5559 KAFC Mexico to flight 801. 0650. (Mauriello)
 WHZ Balboa working Fobt au Prince 0610. (Mauriello)
 KLM-063E calling Gander 0625. (Mauriello)
 KLM-095 working Goose Bay 0632. (Mauriello)

MISC-PHONE 5250A Cable and Wireless, Kingston-Jamaica w/SSB test tape.0100.(Stober)
 12160 Moscow with SSB test tape in English. 1600. (Peters)
 16193 Swedish T&T Administration w/SSB test. 1615. (Peters)
 12075 Brazzaville, Congo. SSB test tape in Fr. 2200. (Peters)
 10218 Nacional Telecommunications of Colombia w/ID tape.223C.(Peters)
 9440 Ethiopian RTT w/SSB sked tape.2245. (Peters)
 9452A East African External Telecommunications Co.Ltd., Nairobi, Kenya
 w/ sked tape on SSB. 2330. (Peters)
 9100A International RT Service - ZUD on SSB w/circuit adjnt.2340.(Zucchi)
 9200A Hellenic Telecommunications Organization near Athens, Greece w/
 SSB test tape. 1650. Anyone have QTH of this? (Zucchi)
 9985A Cable and Wireless, West Indies Ltd.,Bridgetown, Barbados w/SSB
 test tape. (Payne)
 6375A Telecommunications Dept., Nassau, Bahamas w/SSB test tape. 0750.
 Is also Cable and Wireless, West Indies Ltd as above. (Payne)

INTERNATIONAL FIXED PUBLIC SERVICES-Point to Point. By Robert Anthony/WPE2MFI

I have just become interested in PTP listening and find it enjoyable. Most SWLs have probably hrd one of the monotonous xnsns at some time. These are tests on recorded tape and are called "voice mirrors" or markers. If a melody is hrd insted of spoken message, it is a "melody mirror". PTP signals are usually on SSB, DSB or ISB and common freqs are within 7300-8195, 9775-9995, 10100-11175, 11400-11700, 11975-12330, 14350-15000, 15450-16460, 17330-17700, 18030-21000 and 21750-21850kcs. Some are shared with other radio services. Reports to these stations differ from those to others...you should not give details of message hrd, but only date, time, freq, signal report. A good idea also is to send along an IRC and/or a homebrew card/QSL to be returned to you. (Some of these stations do not QSL, some do so only out of courtesy, others only occasionally.) And when reporting, always mention any QTHs concerned in messages hrd...but again...NEVER state/mention any text of message proper!

There is a club devoted entirely to PTP DXing; It is the Radio Communications DX Club, located in Sweden. (I am not certain it is still in operation, but last known QTH is; Fack 59, Kopparberg.) If anyone knows latest about this club, I would appreciate same. Tnx! My QTH is: 244 Franklin Road, Denville. N.J. 07834.

I hope this will give some of you an idea re PTP DXing, but even though I am interested in such, I still think it would be dull to pursue 100%...still a nice change if when other bands are less favorable. There is always something for the SWL to hear!

LOGGINGSREPORTSALL GMT

- 0000 11820 Radio Abidijan with French news. Strong signal. (Wilt)
 5075 HJGC, Radio Sutatenze with all Spanish programming. (Wilt)(Rudolph)
 5030 YVKM, Radio Continente in Spanish -mx, annts. (Wilt)
 6385 Radio Nederland at 0030 with Dutch prog. (Wilt)
 5040 HJNE, Radio El Sol with mx in Spanish at 0030. (Rudolph)
 4985 ZY52, La voz de Osta Guaiba at 0045 w/Portuguese mx/commercials.(Rudolph)
 11800 Radio Nacional, Canary Islands sign on in Spanish followed by mx.(Sparks)
 9760 Voice of Vietnam, Hanoi with propaganda in English/native mx. (Sparks)
 6080 Radio Switzerland w/Eng nx and mx. (Weaver)
 7250 Vatican Radio with Eng newscast at 0050. (Hartmann)(Rudolph)
 6025 Voice of the West, Lisbon w/Eng nx. (Fairless)
 9470 Radio Tirana (Peking relay) 0030-0055 in Albanian. (Rowell)
 15260 TWR, Bonaire 0020 w/religious prog in German. (Rowell)
- 0100 6005 CFCX, Montreal at 0140 with mx and ads. (Rowell)
 6120 SEC, Berne with Eng to ECNA 0115. (Rowell) Echos de Swtz. 0145.(Noznick)
 6130 Radio Nacional de Espania 0130-0200 w/Eng to MA. (Rowell)(Weaver)
 4990 Radio Barquisineto w/LA mx at 0155. (Newhart)
 9515 XEWW, Mexico City w/Sp annts and mx. (Rudolph)(Stober)
 9505 Radio Santo Domingo with LA programming. (Rudolph)
 5990 Radio Sweden in Swedish. (Wilt)
 3300 Radio Belize with assorted mx/songs. (Stober)
 9555 WRUL in Spanish. QRM'd by UNID -perhaps Anann, Jordan? (Stober)
- 0200 15260 TWR, Bonaire sign off in Spanish. (Seager)
 7320 AFRTS, New York with "Final Edition" 0230. (Hastie)
 5985 TWR, Bonaire sign on to NA (now seems regular) Eng nx 0230. (Balbi)
 4900 Radio Proclama de Bolivar w/Sp mx and songs, annts. QRM. ID 0259.(Peters)
 6205 Radio Reloj w/ID and all prog in Spanish. (Wilt)
 5990 Radio Sweden with "DX Club" (on Tue.). (Rudolph)
 3315 Radio Martinique, Fort de France w/Fr sign off at 0230. (Sparks)
 4950 HRRZ, Tegucigalpa. New station. Sign off 0300. (Sparks)
 5015 Windward Islands hrd with special pop mx program prior to broadcast of boxing match II/14. (Sparks)
 4980 Ecos del Torbes w/LA mx and mny ads in Sp. 0251. (Newhart)
 11925 Voice of Free Korea, Seoul with Eng at 0300 after Korean 0230.(Rowell)
- 0300 6140* Radio Tahiti on new freq //11825 w/Tahitian 0330, Fr 0530. (Rowell)
 4940 Radio Nacional, Ecuador -HCXZL w/LA mx; Sp ID's. (Sparks)
 5050 Tanganyika at 0318 hrd w/chanting. (Sparks)
 4820 XEJG, Emissora Casa de la Cultura w/classical mx, Sp ID. (Sparks)
 3396 Gwelo, Rhodesia sign on at this time in Eng nx. QRM. (Peters)
 5990* Havana irregularly hrd on this new freq //6135 with propaganda in Sp. (Balbi) Also in Fr and Eng 0300-0600. (Rowell)
 4875A Emisiones de la Revolucion, Cuba hrd 0345-0400 Spanish then into Russian
 Heard irregularly. (Newhart)
 9750 Pyongyang back here from 9740 w/Eng nx. (Balbi)
 6055 Radio Kuwait with news in Arabic. (Seay)
 9690 RAE with International Service in Eng. Vry good sigs. (Johnson)
 4923 La voz de la Capital -HCQRX, Quito, Ecuador w/Sp nx at 0330. (Stober)
 9645 Faro del Caribe -TIFC, Costa Rica w/Eng religious prog. (Stober)
 5020 Transmisora Caldas - HJFW, Colombia w/LA mx. QRM. (Stober)
 4890 Radio Difucion Venezuela - YVBK, Caracas with LA mx. (Stober)
 7195 VOA, Liberia w/Eng to Africa. Benny Goodman jazz. 0330. (Zecchini)

0400 7190 Radio Kiev, USSR. Listeners Letters program 0445 in English. (Seay)
 9600 Radio Presidente Balmaceda, Santiago, Chile. 0430 Spanish songs/music,
 nx at 0445. (Zecchini)(Stober)
 6070 Radio Sofia in Eng to NA. (Seager)
 6180 Radio Television Nacional, Bogota w/Sp nx, nx, anmts. S/off 0440. (Stober)
 9615 La voz de la Victor, San Jose, Costa Rica. LA nx, Sp anmts. 0430. (Hart)
 5020 Transnisorra Caldas en Manizales (ID) w/LA nx..Much QRM. (Payne)
 4835 Mozambique hrd w/Eng commercials at 0414. (Balbi)
 6140* Tahiti now using new freq. Moved from 6135 to get out from under Radio
 Havana. Now has good sigs WCNA. (Sparks)
 4965* Zambia hrd twice now on this freq at 0400 as well as on regular 3346. On
 former it actually overpowers Radio Santa Fe. (Sparks)

0500 7170 Radio Congolaise with local nx in French. 0530. (Peters)
 4870 Radio Dahomey, Cotonou in French; African nx. 0515. (Newhart)
 6005 VOA Munich (via RIAS) w/nx and commentary in German. 0530. (Seay)
 7260 AIR sign on at 0530 in native language. (Drew)
 9670 Saudi Arabia w/native nx, anmts. (Drew)
 5975 Radio Balmaceda sign off in Eng at 0505. (Sparks)
 4996 Radio Magadan, USSR, w/relay of Moscow Home Service, has "Learn to speak
 English" program for Russian school children every Monday 0540. (Sparks)
 7135 Radio Monte Carlo w/pop nx at 0545, Fr nx 0600. (Sparks)
 3980 Radio Nigeria, Enugu hrd at 0440 w/morning services, then English news
 at 0500. (Sparks)

7100 ORTF, Paris has English news 0500-0515. (Sparks)

0600 9505 Radio Santo Domingo w/jazz and pop nx. S/off 0700. (Payne)
 5960 Dakar, Senegal w/Fr nx commentary. QRM'd by VOA. (Payne)
 9525 Radio South Africa with English nx and ID. (Payne)(Hartmann)
 4890 Radio Senegal w/ID in Fr, then native chants. Good sigs. (Pirnat)
 4815 Radio Ougadougou, Upper Volta 0630-0700 in Fr, w/pop nx. (Pirnat)
 5035 Bangui, CAF with French nx. (Peters)
 6215 Radio Reloj with pop and assorted nx, many ID's. (Peters)
 3255 ELBC with morning services (religious) and Eng ID at 0620. (Sparks)
 3316 Sierra Leone with African nx and Eng anmts. (Sparks)
 6090 Radio Kaduna hrd w/BBC news at 0615 and native nx at 0630. (Sparks)

0700 11975 ELWA in Eng. Hrd on Sunday 0728-0800. (Drew)
 17855 Radio Austria, Vienna w/German prog. ID in Eng, Fr, German. (Drew)
 9580 Radio Australia at 0745 w/concert and light classical nx. (Rudolph)
 3995 Solomon Islands at 0730 w/pop songs-nx and anmts by YL. (Peters)
 3284 Suva, Fiji Islands 0745 w/Hindi nx. (Peters)
 6010 HJFK, La voz Amiga. Appears to be all nighter. Hrd prior to 0700 until
 after 0900 with many ID's. (Seager)

0800 9480 Radio Ondurman in Arabic. Hrd till fade out at 0900. There is RTTY QRM
 here although freq is allocated to ISB. (Benson)
 6270* Pyongyang on new freq in language at 0810 //6195, but not 6250. (Balbi)
 3335 Radio Wewak, New Guinea hrd w/wx report in Eng at 0855. (Peters)
 4894 Radio Senegal w/Fr nx. Seemed to be testing/moving about freq. (Peters)
 4920 VLM4, Brisbane, Australia w/commentary at 0815. (Stober)
 4890 VLT4, Port Moresby with nx program at 0820. (Stober)
 4835 Banko, Mali s/off at 0800 w/vernaculars in Fr. (Pirnat)
 9540 Radio New Zealand w/pop records. S/off 0845. (Pirnat)
 3995 VQ3, Solomon Islands w/pop songs, Eng anmts. Strong sigs 0845. (Sparks)

0900 15185 Radio Nederland with Dutch prog. Good sigs. (Drew)
 15435 FEBC, Manila w/Hour of Decision at 0915. BEC QRM. (Drew)
 17855 Radio Austria to Australia and New Zealand in German 0930. Fair. (Drew)
 9635 Radio Malaysia, Singapore in language. Sked 0930-1630. (Balbi)

1000 9610 Perth, Australia; relay VLW9, Sir Winston Churchill funeral. (Rowell)
 21490 Vatican Radio with Eng nx to Africa. Excellent sigs. (Drew)
 17885 Vienna Austria. Poor. QRM'd by BEC FES on 17880. (Drew)
 7580 Radio Pyongyang w/Eng 1000-1200 //9750. (SCDXers)
 5015 Vladivostok, USSR hrd w/good sigs. (SCDXers)

1100 11770 Vatican Radio w/Eng to Australia and New Zealand. QRM'd. (Drew)
 6120 4VEH, Haiti w/Eng religious prog 1130-1200. (SCDXers)
 9585 RRI, Indonesia has Eng dally 1100-1200. (Balbi/SCDXers)
 9620 Radio Sweden hrd in English. (Wilt)

1200 7210 Radio Sweden w/Eng to Far East 1230-1300, then into Swedish. (Seager)
 3940 ZBW3, Hong Kong w/Chinese prog. (Drew)
 11875 Radio Austria in Eng, then into Fr at 1245. (Drew)
 11810 Radio Algiers with news in Arabic. (Seay)

1300 9765 ETLF, Ethiopia with Eng news hrd 1320. Good sigs. (Drew)
 9505 FEBC, Manila in Eng. Much QRM. (Seager)
 15245 ORTF, Paris w/Eng to Far East. Newscast at 1300. (Seager)
 4985 Radio Malaysia, Kuala Lumpur with Eng. (Seager)

1400 9660 Radio Nacional de Espana, Tenerife-Canary Islands hrd at sign on after
 VL99, Brisbane closes. (Seager)
 6035 Rangoon, Burma hrd w/Eng news at 1430. (Drew)
 11850 Radio Norway in Eng "Norway this Week". S/off 1430. (Benson)
 9740 Radio Japan w/IS, Eng. QRM from BBC-Grey Stars Network relay in Arabic.
 At 1405 Moscow on w/IS and into Language. (Benson)
 9596A Tashkent Radio, USSR-Uzbek Rep w/sign off at 1430 in Eng asking for
 reports. Then into other language. (Benson)
 7160 AIR, Delhi in Language. Weak sigs. 1430. (Balbi)
 7180 Bagdad, Iraq in Arabic at 1435. Poor sigs. (Balbi)
 6070 Radio Ghana w/Eng nx 1445; "Here is Ghana" at 1520. (Seay)
 15300 Radio Sweden with Eng to MA. (Wilt)
 4985 Radio Malaysia with news headlines 1410. (Newhart)

1500 7310 Radio Malaysia now relaying BBC musical and U.N. prog in Eng. (Sparks)
 7020 Radio Pakistan with Eng news //9815. (Sparks)
 9840 Radio Baku with Turkish ID hrd through QRM. (Sparks)
 4870 Radio Ceylon, commercial service w/pop nx, Eng ID. (Sparks)
 7295 Indonesia, Makassar hrd at sign off. (Sparks)
 9610 Perth, Australia "Western Regional Service" w/nx and nx. (Hartmann)
 6095 Radio Iraq with Arabic news 1517. (Newhart)
 4785 Radio Kabul with Eng nx at 1510. Announced Eng sked as: 1500-1530 on
 4785, 1030-1100 on 15225, 1100-1130 on 15125. (Newhart)
 15175 Radio Norway with prog in Norwegian, Eng annts. Sunday Eng prog begins
 at 1600 //11850. (Wilt)
 9545 RVOG, heard at 1510-1550 to Western North Africa. //11795. (Wilt)
 9590 Radio Nederland with "Meditation Music" 1555. (Zecchini)
 7130 VOA, Rhodes with special Eng prog. (Balbi)
 7125 BCC, Taiwan s/on w/Eng nx. VOFC at 1530. //9755. (Balbi)
 9670 Saudi Arabia in native-Arabic at 1530. (Balbi)
 9780 UAR, Cairo in Arabic. (Balbi)

1600 11950 Radio Nederland hrd at 1620 w/prog of nx and nx beamed to WUOM. (Hart)
 15155* DW, Cologne, Germany on new freq at 1630 w/African Service in English.
 (Sparks)(Stober)
 6080 DZI7, Manila. Commercial Service in Eng. w/pop nx. (Sparks)
 11855 Saudi Arabia in native-Arabic. QRM'd by RFE until 1800. (Peters)
 9610 Radio Australia, Perth, w/nx then s/off. (Pirnat)
 9645 Vatican Radio s/on at 1645 in Arabic. (Balbi)
 11820 RBI, Berlin with Eng news. Hrd irregularly. (Balbi)
 11865 SBC, "ShortWave Service" s/on in Arabic 1630. (Balbi)
 17890 Lisbon, Portugal in Portuguese at 1615. Hrd irregularly. (Balbi)

1700 15275 Radio Clube Mozambique in Portuguese. 1715-2000. (Rowell)
 11866 Radio Katanga, Congo. 1740 in Fr and Congo dialects. (Rowell)
 11832 Radio Leopoldville, Congo. 1730 in Fr and African dialects. (Rowell)
 6090 Radio Luxembourg at 1715 w/nx in German(?). (Seay)
 11705 Radio Japan with Eng nx. (Hempfield)
 9865 RRI, Indonesia in language. Weak sigs/QRM. (Balbi)
 5055 Aden hrd in Arabic. Good sigs. (Seager)
 11770 Radio Australia, Melbourne w/Eng nx. (Hempfield)

- 1800 11680 Radio Diaming, Dundo-Lunda, Angola. 1800-1803 marimba IS, then ID in Portuguese and into prog of pop mx. Hrd till 1930. (Seager)
- 9415 Berne, Switzerland at 1845 w/prog of classical mx. (Zecchini)
- 11480 Radio Atlantico w/Sp mx at 1815. (Hempfield)
- 11500 Radio Nederland w/prog of Eng news and music. (Hempfield)
- 11725A Radio Australia w/nx and pop mx of Australia. (Hempfield)
- 11750 Radio Japan with nx of Japan in Eng. (Hempfield)
- 11755 Teheran, Iran in language 1805. (Balbi)
- 11725 Brazzaville, Congo //15190 w/Fr nx. s/o 1850. (Balbi)
- 11935 Voice of the West, Lisbon w/request mx and Listeners Letters/Eng. (Seay)
- 11915 HCJB w/nx and Eng religious prog. (Weaver)
- 15275 Radio Clube Mozambique with classical mx. (Wilt)
- 1900 9640 WRUL-RNYWW with DXing Worldwide prog. (Hartmann)
- 11755 RVOG in Eng till 1915 s/off. Oft times QRM'd by HCJB. (Wilt)
- 11930 Brazzaville //15370 s/on in Fr, then Eng nx 1915. (Balbi) The 15190 Eng prog 1900-2000 has been off the air since II/2. (Balbi)
- 11865 Radio Katanga in Fr to 2030. S/o ID "Radio National Congolaise". (Balbi)
- 11250 Jamaica, Kingston w/local nx in Eng. (Hempfield)
- 11900 Voice of Nigeria, Lagos. Off Eng into Fr 1900. (Pirnat)
- 2000 7090 Radio Tirana w/nx commentary. (Newhart)
- 6250* Radio Pakistan in Eng to UK. //7135. (Newhart)
- 5002* Omdurman, Sudan in Arabic. Not hrd on 4998 now. (Newhart)
- 11735 Moroccan R&TVS in Eng 2030. YL anncr. (Rowell)
- 2100 11880 XEHH, Mexico w/nx and local ads in Sp. VOA QRM. (Fairless)
- 6190 Voice of Morocco Eng prog s/off 2130. QRM de Rumania. (Newhart)
- 5047 Radio Lone, Togo w/Eng nx at 2105. (Newhart)
- 11832 Leopoldville, Congo w/news in language. (Peters)
- 4835 Lourenco Marques, Mozambique in Eng till 2200 then s/off. (Drew)
- 5010 Radio Garoua, Cameroons in ?? language. S/off 2200. (Drew)
- 9650 Conakry, Guinea in Fr. Good sigs. (Drew)
- 3215 Mozambique, Lourenco Marques w/all night prog in Eng. (Drew)
- 2200 11875 ZYN32, Brazil w/Port and nx. (Drew)
- 6000 Radio Americas in Sp. Good sigs. Jammer not strong. (Drew)
- 7250 Vatican Radio in Eng. Fair. Moscow same freq. (Drew)
- 9635 Lisbon in Portuguese //9645. (Drew)
- 11735 Morocco in language at 2240. (Drew)
- 11880 Mexico, XEHH in Spanish. Good sigs. 2250. (Drew)
- 6130 Radio Norway IS and sign on 2258. (Drew)
- 9650 Conakry, Guinea with Fr news at 2215. (Pirnat)
- 4990 Lagos, Nigeria s/off at 2240 after Eng ID. (Pirnat) Radio Barquiesmeto, Venezuela then hrd weakly. Sig improves later. (Pirnat)
- 4972 Radio Yaounde, Cameroons w/Fr prog. S/off 2200. (Pirnat)
- 15105 Radio Japan, Tokyo. General Ser, Eng news. (Hartmann)
- 9610 Radio Australia, Reg. Service. QRM'd by CBC 2258. (Hartmann)
- 11835 Radio Algiers w/Eng nx. Sp at 2230. S/off 2300. Seldon hrd. (Balbi)
- 9515A Rome, Italy in native programming. 2245. (Zecchini)
- 2300 3280 WIBS, Windward Islands w/Eng news. (Hartmann)
- 9625 Radio Canada with ShortWave Club at 2315. (Noznick)
- 11938 Radio Malaysia, Singapore. Eng nx. (Rowell)(Balbi)
- 5990 CBC hrd at 2307 in Eng. Much QRM. (Drew)
- 17890 HCJB in German hrd at 2317. Sign off 2330. (Drew)
- 6080 Radio Algiers with sign off in Kabyl. Hrd irregularly. (Balbi)
- 11740* VOA Monrovia new freq. //7195. Sign off in Eng 2345. (Balbi)
- 9363 RNE Madrid, Spain in Spanish 2345-0000. (Balbi)(Rowell)
- 9480 4VC, Radio Commerce, Haiti. Irregularly hrd Sat-Sun. Peking QRM. (Balbi)
- 11900 Radio Malaysia, Kuala Lumpur in language. (Rowell)
- 9380 Alma Ata, USSR in Russian. (Rowell)
- 6150 BBC to Asia and Far East has English at 2300, Indonesian 2315, Burnese 2330, Thai 2345, English 0000. (SWL)