

NORTH AMERICAN SHORTWAVE ASSOCIATION



*****JULY 1966*****
 HEADQUARTERS NASA 1503 FIFTH AVENUE, APT.2 ALTOONA, PA.16602:

$\frac{196}{102}$ NASA GOES ALL SWBC! $\frac{196}{102}$

SEVENTY PERCENT OF MEMBERSHIP VOTES

It is all over but the shouting! This is the final edition of Frendx to be published by NASA as a general club; Beginning next month we go all SWBC! "You asked for it"!!! By a plurality of ninetyfour votes, the action has been decided! Final tally has been made; Majority favors the change. Apathy on part of approximately thirty per cent of membership would seem to have figured in the tabulation, but we will never know, can only speculate. Fortunately most eligible members did exercise their right, did vote, and the outcome clearly shows a new course for NASA in future!!!

NEW! EDITOR.....NEW FORMAT

So that we can get off to a worthy start, prove to the SWBC realm of DXers that we are earnest in our hopes to have NASA become a mainstay, we take pleasure in announcing appointment of Donald Jensen as our SWBC editor. He will take over beginning with the August section and will be assisted by Ron Luyster and new/additional column editors now being contacted by hdqs. The new format for the DX section will run along lines of old, but will have "flavor" not heretofore found in a club bulletin. Frendx will not be just another "news-sheet", but then we like to think it never has been! We expect it will attract many new SWBC DXers to our ranks, both oldtimer-toppers, and novices. With the cooperation of them, along with those regulars already aboard, our future is to be shaped; Success will depend on team work! "Unity and Friendship" will be vital!

!MORE TO COME!

There will be other changes, both as to bulletin staff, and as to headquarters from the operational functions. These and all future changes to be made purposefully with want for more solidarity, more security as in preparation for time ahead. Improvements in bulletins, mimeo-wise, will be taken to task; New club services will be offered.... each/all to make NASA the "new era club" for the realm of SWBC enthusiasts. Now, more than ever before, all sincere members will need come forth and be recognized by giving support, sending reports, showing faith, promoting our motto. If each will do his or her part, then our course to the future is plotted, we will arrive! Harken and hear ye!

FRENDEX OF FUTURE WILL BECOME A JOURNAL FOR DXERS AND SWLS WHO ARE INTERESTED IN SWBC!

FRENDX is the official publication of the North American SW Assn. It is noncopyrighted. There are no subscriptions! Only active, in good standing members are entitled copies. Membership fee is \$4.00 per year (12 monthly editions of Frendx via 3rd class mail... or \$6.00 per year (12 monthly editions of Frendx via 1st class mail.) This and all editions are made possible through the combined interest/cooperation of club officers, bulletin staff and supporting members.

Our motto
"Unity and Friendship"

Board of Directors

Donald Jensen
Gerry Dexter
Lou Stober

Editorial Staff

William Eddings
Ronald Luyster
Richard Little
Joe Fela, Jr.
Doug Benson
Francis George
Louis Molina

ANARC Rep's.

Frank Peters
Douglas Benson

NASA is an affiliate of the Assn. of North American Radio Clubs

This edition is dedicated to those members known to have given support in past and who have now transferred. It is especially dedicated to such as Richard Little, Joe Fela Jr., Francis George and Louis Molina who have given of their time, effort and money, willingly and unselfishly, as keeping with the club motto, and who have done much to help make past bulletins and the club proper "couriers of goodwill". B.E.7/6

LEAVING NASA

The following data shows compilation of statistics and information as taken from the ballot cards submitted for vote on the all SWBC changeover, and are by category.

Transferred to CDXC:

Pete Sils, Jack Winther, Billy Williams, Phil Smith, Dick Wright, John Thompson, Johnny D. Mayo, Charles McGeorge, Jonathan Gentry, Doug McAbee, Phil Berkeley.

Transfer to IRCA:

Joe Fela Jr., Dan Moll, Mike Worst, Peggy Stobb.

QRT/refund:

George Hall, Don Erickson, Joe Madara, Skip McCabe, Fred Parsons, Ken Austin, Ed Bolton Jr., Paul Eaton, Tony Atkinson, Silvio A. Marini Jr.

(A few members requested they be sent a refund, but had none due because their membership expired with June bulletin!)

QRT/nonrenewing:no refund:

Paul Kirkpatrick, Ricky Cohen, Gary Payne, Ambrose Maxim, Bob Gordon, Don Stock, Dale Marks, Dick Zweier, Pete Glenn, Don Dion, Ron Kuzmack, Roman Weisenel, Jack Gladden, Ernest Black, Randy Hittle, Jim Johnson, Vince Hastie, Phil Flickinger, Bob Fancher, Bob Anthony, Ira Stoler, Vic Veselka, Curt Webber, Del Green, Robert Binau, John Feltmate, Bob Winchell, Ken Brown, Tom Hummer, John Long, Dave Hailey, Steve Dildine, John Jones, Dave Schmidt, Ernie Zecchini, Ed Horacek, Bob Rickert, Paul Bassiri, Bill Ruland, Dick Fields, Clarence Green, Lee Herzberg, Tom Bispham, Ed Barkowski, Stan Gordon, Ted Parcel, W.B. Mucker, Paul Moyer, Rick Warner, John Seay, George Neff, Rick Malchetske, Andy Kasparsen, Ed Smith, Jerry Sullivan.

As was expected, a few that were anti the all SWBC changeover, wrote un-nice letters accompanying their ballot cards. Un-nice in that they wrote "choice" words, attacked individuals, made uncalled for accusations. Even so they were accepted in that we respect the right of all members to voice opinions. What we didnt appreciate was that most of these OM gave evidence of selfcenteredness and had no respect for DXers other than those of their same interest. The hobby, certainly the club, is best rid of these!

It should be kept in mind that only about 70% of eligible members exercised their right to vote. Had the remaining 30% acted, the overall result could have been different. As is, the majority rules and it favors NASA becoming all SWBC...and so it shall!

Some of the more "heartening" letters came from such as Richard Little, our HamBand Roundup section editor whose last effort is contained in this edition, and from Joe Fela Jr., whose MediumWave Digest comes to an end this month. Good members like Dave Schmidt, Paul Kirkpatrick, Pete Glenn, Ed Smith wrote understandingly of the need for all SWBC, even though they themselves pursue other DXing interests.

We realize all too well we are losing many and (some) good members; but other of the clubs are or perhaps will be gaining them. In this light we prefer to think in terms of a common hobby...though it have its different phases...it is one and same because all deal with radio listening; Therefore we are all still enjoined as one, no matter what club(s) or what preference we have for DXing. So, in a sense, we are yet losing members, though not losing friends...and you better believe this makes a difference!

A number of those voting against the all SWBC change have nonetheless chosen to stay with NASA. Although we are most appreciative of their loyalty, we would rather, unless they plan to "switch bands", they consider a transfer to CDXC or IRCA. We mean this as mutual benefit for all concerned, not just NASA alone! Thus, should you be one of this group, give to consideration of the matter and let us hear from you.

Those members requesting refunds, named above, will receive them in check form by end of July. Those requesting transfer, named above, be informed this is your last FriendX and that your transefr becomes effective beginning August. (D. Bennet/B. Nittler, pse note)

AND SO, THE END..!

After over five years of continued monthly publication, this will be the first edition of Friendx to be minus Friendship Corner. Although it was to have appeared this month word was received from editors Lou Molina and Francis George, that lack of reports, plus seeming disinterest, warrant ending the section as of last month...and so we do. Beginning this edition, there will be no further cardswap sections appearing in Friendx. For those interested in this phase of the hobby, we would suggest inquiring of the International League of Signal Chasers, a club exclusively for cardswappers and tapesponders. Too, Don Erickson is now readying #2 edition of his Swappers Directory (write him at 24360 Myers St., Sunnymead, California 92388, for full info.)

HELPING HAND SERVICE

Joe Madara, Selbyville, Delaware informs us he has enlisted in the USAF, requests we pass the word via Friendx. "It will be awhile before I can catch up with mail" sez Joe, "but I'll do my best, soonest." Jerry Stuart, 2715 G, Lawton, Oklahoma is compiling list of Texas and Oklahoma SWLs and would like any help offered. Dick Jenneman, RR2 Box 104, Stanley, Wisc. says he can get good deals for anyone who is interested in photo stamps made from snapshots of SWLs/DXers or shacks. Keith Rolland, 408 E. 53rd St., Brooklyn, N.Y. wants info on stations which are known to send out souvenirs (other than pemants which he has many of). Ron Seager, P.O. Box 498, Apia, Western Samoa and Mike McElhatton, 128 Cameron Rd., Willow Grove, Pa. are seeking DXers which are interested in Round-Robin tapes. Any who are interested are requested to get in touch, via mail first, with either of them so details can be worked out. Ron and Mike have been swapping tapes for sometime and exchange DX tips, info and data. Longtime NASAer Dan Wilt advises that he has joined the Peace Corps and will be on his way to El Salvador before long. It is his hope to remain active in the hobby if at all possible, is trying to get a portable SW rx to take with him. Todd Graves, publisher of SWL Program Guide is promoting the hobby by arranging a window display titled "Listen to the World" at local bank in Syracuse, New York.

THE WHY/WHEREFORE

In a recent of our bulletins we mentioned the outdated as well as certain misinfo contained in an RTVE column written by Tom Kneitel and regarding his listing data re various DX clubs. One of our members, Ralph Irace, wrote him about it. Tom replied.... "the reason it was so outdated, etc., was due fact. it was submitted about a year ago and not published until lately, but it was correct at time it was written." The blame for any "injustice" then would seem to be on the publishing editor rather than on Mr. Kneitel. No doubt the editor hhas not even the slightest knowledge of what a DX club is....but he would soon be schooled if all DXers were to cancel their subscriptions to his magazine!

P-L-E-A-S-E!!!

Members are still writing NASA Hdqs about not receiving due copies of SWL News. We would request no further/additional do so! Mr. James J. Howard made it clear in the February edition of his publication, that any subscribers who are unhappy/"lack faith" may obtain a refund be writting to him: SWL Publications, P.O. Box 9768, Kansas City, Mo. 64134: requesting same. We might add, if you want faster action, attend the ANARC convention where Mr. Howard will be found in person. In any case, DO NOT write club hdqs on the matter, it is out of our hands compeltely (and completely)!

NOW AVAILABLE!

The 1966 Summer Supplement of World Radio Handbook is now available for \$2.00 ppd and can be ordered direct from World Radio TV Handbook, 1270 Avenue of the Americas, New York, New York 10020. Submit correct amount, specify publication you want, and be sure to print your return address legibly. Too, we would appreciate your mentioning NASA when you order.

HI HI's

via Gary Wallin

The following 'blunders' were heard made by announcers on radio. "Stay tuned for five minutes of the latest news, followed by a "Moment of Truth". "Three inches of rain have fallen in the last 40 minutes, and in the outskirts of the city, greater amounts were measured."

NEW
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MEMBERS



NEW
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MEMBERS

*Gary Sturm, Elkhart, Indiana. "I've been SWling since January of this year, use a GR-64 rx and 100' longwire antenna. Also have a GE transistor rx for standby. QSLs total 18 so far, favorite being from R.Cairo. I am interested in awards, contests, also languages, biology and electronics. Am member of RNYWSWC. Read of NASA in RTVE. My age is 16 and I will be a junior in highschool this fall."

*Mike Finigan, Monroe, North Carolina. "Traveling around the country as an "AirForce Brat", I have been an SWL for one year. Have 49 countries veried out of 90 logged. Am 16, will be a highschool junior next term. Rx is an S-120, antenna a 100' longwire 30' high. Am interested in cardswaps, contests, awards, stamp collecting, minerology and all sports. Belong to the RNYWSWC. Heard about NASA via PE Communications Handbook. I am especially interested in Far and mid-East DX stations."

*Edward Pyatt, Conway, South Carolina. "Am 17, have just graduated from highschool. I have been DXing for 3 years, primarily on SWBC bands, have 32 countries QSL'd. My rx is a Radiola-61-5 and I use a 20' longwire antenna. Am interested in awards, cardswaps, contests, photography, physics, chemistry and reading. Am member of ASWLC, RNYWSWC and RCSWC. Heard about NASA from "SWL" bulletin of ASWLC. Would very much like to acquire a penpal SWLer in Japan and Hawaii. I plan to enter Morehouse College on scholarship this coming fall. Most prized QSL to date is from R.Japan."

*Larry Schwartz, Linden, New Jersey. "I've been interested in all forms of radio for a long time. Purchased an S-120 in 1963, late built a Lafayette KT-320. Have logged 33 countries, veried 23. I use a HyGain SWO antenna. QSL from R.Ghana is favorite so far. Am interested in awards, contests, kit building, hi-fi and would like to correspond w/ other SWLs to compare notes, etc. I heard about NASA via WRTH. Am 15."

*Robert Kelley, Milwaukee, Wisconsin. "Am 23 year old former "drop-out" now attending University of Wisconsin where I am junior in accounting; Also work full time in factory at present. Had been interested in BCBing, but have expanded to SWBC. Rx is a National HRO-500, use a 55' longwire antenna among others..Other gear includes a stereo tape recorder and 'scope. Interests include philately and ichtyology. Am member of NRC. I read about NASA in recent RTVE magazine."

*Randall Hill, Liberty, Missouri. "I am 17 and will be a senior in highschool next year. Have been DXing since about January of '66 when I began with an S-120, and which is my present rx. My antenna is a 100' inverted L, 30' high. Am interested in contests and awards, also cardswaps, coins, stamps and electronics. QSLs to date number 25 and my prized is from TIFC, Costa Rica. Would like to hear from any/all DXers around the world. I first heard about NASA via latest edition of WRTH."

*Harry Bergman, New York, New York. "NASA is my first club and I heard of it from Leo Fleury, friend/member. I am 51 and a salesman. Rx is a Hammarlund HQ-145, and I use a trap dipole antenna. Other gear includes a preamp, also a Wollansack 2-1500 recorder. Have been SWling a number of years, logging 80 countries, veried 45. Prize the QSL from Nigeria most so far. Am interested in contests, awards, camping, also tapesponding and cardswaps. Belong to World Tapeopal Voicespondence Club. Am CB KOD-2823."

*James Sorber, New Hyde Park, New York. "Am 68, retired (due a heart attack in '56) and have been in the hobby since '64. Am very interested in worldwide DXing, cardswaps, awards, contests and learning more about the hobby. My rx is a Lafayette HE-30 and I use a 90' longwire antenna which runs N/S. To date I have 43 QSLs and I prize them all. Am a member of NNRC, also RNYWSWC. My QTH is about 120 miles west of eastern tip of Long Island. Would appreciate QTHs of swappers in Labrador and NWT. Dont recall which was first, but read of NASA in various magazines and publications."

(Applications received after 20th of month will be acknowledged in next months Frendx)

RENEWALS

Showing faith in NASA future, Dick Moore, Jack Page, Mike Lee and Carl Goodling are coming aboard for their second year; Jim Gallucci and Bill Sparks for their third.

BIRTHDAYS!

Best 73 and many happy returns to: James Earl, Don Erickson, Ray Fronczak, Jimmy Thorton, Larry Bennett, Joe Mauriello, W. R. Davis, Gary Fredricks, Bob Rickert, Bob DeVinney II, Chuck Gerran, Gregg Calkin, Russ Keeler, Bertrand Goulet, Rog Parker, John Thompson, John Patton, Sam Cox, Dick Raffaelli, Gordon Schiff, Jim Staley, Jer Stuart, John Sgrulletta and June Birtley, all celebrating birthdays this July '66!! (Note: On occasion a member will write to hdqs asking why his/her name was omitted from birthday list; Pse be again alerted that this occur only when a particular members has not given necessary data on his application form, or, as in case of charter members, such data is not on file. To make sure your birthday is mentioned, drop a post card to hdqs with date of ur birth and we will be glad to list. Tnx!)

ATTENTION!!

Frequently requests are rcvd at hdqs via members, asking sample bulletins be sent to a friend(s)/potential member(s); Now this is all well and good,,we are happy to know there are those who consider the club/bulletins worthy of interest thereto, but please keep amind that there is a 25¢ fee requested for sample bulletins. We are a non-profit organization and every penny is of importance to us. So if/when you request a sample bulletin being sent to anyone, kindly include/enclose the fee. This may sound petty, but if you realize all expenses are footed by incoming fee's, you will understand our concern. We have yet to operate in the red, we dont want to see it come about in future!

NOTE!!!!

Due new format being setup for our new DX section (Shortwave Center), certain new editors and assistants will be named and/or appointed soon. Certain have already been contacted! Watch for futher info on this in upcoming bulletins!!!

AROUND THE CLUBS

NRC. Fast approaching is the convention to be held in Montreal, August 3-4-5. It promises to be another "bang up" affair, even if shorts are illegal (for YLs too?) in downtown area. According to redhead, Andy Rugg, this applies only to adults. What about those of us who are kids at heart? Hi! In any case, our NRC friends say the welcome mat is out for NASAers who might care to join in the fun'n stuff.

CEXC. Working/cooperating alongside NASA, the Canadian DX Club is giving its SWBC-minded members opportunity to transfer to NASA if they wish...being Cadex does not now regularly cover that phase of DX.

ASWLC. Plaudits to the members of this club who made possible the new mimeograph now in use for "SWL" bulletin. Each of the clubs are known to have their loyal, and those of ASWLC came through fine. And speaking of fine...Stew MacKenzie informs us there will be a new column titled "That All May Hear" in upcoming "SWL"; It will be a series on christian radio stations of the world.

DXI. June 16 was the last of cooperation between this club and DWR, R.Nederland in compiling "U.S.DX Report"; Due "conflict of interests" and several disagreements, between the club and Mr. Gelder of the R. Netherlands staff. DXI now hopes to have monthly DX item via a station in the Caribbean. Negotiations are now underway.

WIDKA. Margaret Hinkson, President, due an illness, was unable to cut stencils for much of recent bulletin and did work by longhand. Few realize the task involved! Surely, if gold stars were given for outstanding service devoted to a club, our friend Margaret would deserve a handful!

WMRC. We dont know, but it would seem a bit of QRM has hit this club. No word has been heard from it, not even by ANARC hdq for sometime. Let's hope it is nothing real serious like has happened to other clubs in the past.

IRCA. Bill Nittler needful of help and is seeking a publisher for "DX Monitor". In meantime, despite personal and vocational QRM, he efforts his best, does vry FB.

Exclusive

Exclusive

THE LOUDENBOOMER REPORT

Hey gang, its time for that feature of the Loudenboomer Report that I know you've all been waiting for..the first annual Shortwave DX Listener Sweepstakes contest!! Having noted recently, however, that contest rules printed in other bulletins have come under attack on grounds that they are unfair in one respect or another, I've carefully studied the various rules and have come up with a set of Sweepstake instructions which I'm sure everyone will find both equitable and simple. As a result the winner of this long awaited contest will have the satisfaction of knowing that he is truly the top DXer in the hobby today! So read the following rules carefully, memorize them, then sit down before your receiver and GO, GO, GO!

SHORTWAVE DX LISTENER SWEEPSTAKES

Dates and Time: July 15-16, 1966. Loggings are to be made between 0300 and 2300 on the dates stated. Times are to be local Daylight time, except in areas of the country which remain on standad time during the contest period. If your state remains on normal time, use GMT, except of course, west of a line from Valdosta, Ga. to Grand Forks, N.D. If you live in this latter area, submit your logs in Mountain Daylight Time (with the exception of Idaho and Missouri, where the time factor is optional.)

Who may enter: Any reader of the Loudenboomer Report, who (1)has a shortwave receiver, and (2)has passed his 14th birthday on or before Jan.15,1966, but who is under 65 yrs of age. In addition, anyone else who has been active DXer for less than six months as of Feb.25,1966, may enter, but is not eligible for an award certificate.

Contest frequencies: Loggings may be made on any frequency in the 49, 31, 25 and 19 meter bands, but entries should be submitted in one of the following catagories only; (1) Individual Band (2) All Band (3) Combination of any two of the approved bands except, for obvious reasons, the 49 and 19 mb. If a combination band entry is submitted, the contestant must not have over 80% of his total points in more than one section!

Entries: All Sweepstakes entries must be made on an official entry blank. Any log submitted on any form other than an official blank, or a notarized photostatic copy, or a reasonable facimile, will be automatically disqualified. Official forms are available from Charlie Loudenboomer, postpaid for \$1.50 in cash.(No stamps please!).

Point Scoring: Raw score- 1 point to be scored for each broadcast station heard in each band. Outlets of the same broadcaster may be counted twice if their operating freqs are within 500kcs of each other. Add two extra points for DX specials or three for transmissions in one or more of the following languages; Hindustani, Maori and Pigin English. (One aim of this contest is to encourage entrants to improve their language skills!) All African and Asian stations logged between the hours of 0500 and 0730 (see contest time rule above!) qualify for bonus points of 7.5 each. In addition, extra bonus points will be allowed for other loggings on the following basis; 6 points- stations located in Oceania, except Okinawa (VOA Relay), and Nibi Nibi; 14 points- any South African transmission beamed to Greenland by a station running under 400 watts ERP. Jammers will not be counted under any circumstances.

Distance factors: To equate the scores on the basis of receiving locations of entrants, persons living east of Miss. should multiply all bonus points by three; Those west of Miss., divide bonus points by factor of 5. Exceptions to these rules are listeners residing within 50 mile of the Atlantic, Pacific or Gulf coasts, who may not score any bonus points. The reasons for this rule should be obvious to all. I want to be fair!

Tube factor: Receivers with over 18 tubes, multiply raw score by 2; receivers with 4 to 18 tubes, multiply by 7; receivers with 1 to 4 tubes, multiply by 19; crystal sets or receivers with no tubes, multiply by 48.

Miscellaneous: Rules must be strictly adhered to! All entries must be in hands of contest manager, Charlie Loudenboomer, no later than 1800 GMT July 31. Entries will be very carefully checked. A 1.5% error factor will be allowed, but entrants with greater percentage will be disqualified. Remember, neatness counts!

Through an arrangement with my uncle, a habidasher, in the case of prizes, duplicate ties will be awarded! Good luck to all!

Charlie Loudenboomer

Special

Special

ANARC FREQUENCY RECOMMENDATION COMMITTEE

A report on the activities of the committee, by its Chairman,
Richard E. Wood, Esq.

The Committee has, in recent months, made considerable progress, both as regards cooperating stations, and in actual projects undertaken in cooperation with these stations.

It is difficult to enumerate the stations cooperating with the Committee since there are several which are "on the brink" or which have indicated willingness to cooperate, without factually acting on any suggestions submitted. It might perhaps be said that active good relations have been established with about a dozen stations, all international broadcasters beaming to North America, with another ten or so being "worked on" at present.

Some of the successes of the Committee in the past year or so have been as follows: An important West European station, which had established a relay base in the American continent, was advised on frequency choice, and hence avoided a severe problem with yet another broadcaster beaming to NA at the same time, on same frequency. This same station was informed of still another about to move onto its frequency, and, through negotiation, was able to avoid a clash; The other station moved to a new channel, and now both are heard well. A station in the Middle East, which has recently established a NA service, has been advised on frequency choice. Another station in the same area was told of a potential source of interference, which, when it did as expected, arise, the Middle East broadcaster was able to avoid by a successful frequency shift. A station in East Europe, suffering severe ETTTY and other QRM due to operation on a channel outside the international broadcast band, has been informed which of its registered frequencies inside the band might be expected to give best reception, and it may soon move there. Another station in East Europe which is using an excessive number of frequencies was informed which of these were consistently usable. Cooperation, in this case, has not yet been achieved, but the Committee's efforts are continuing. A station in Western Europe which bases its frequency choices for WCNA on some purely theoretical (and erroneous) optimum frequency tables, is now being approached with more realistic suggestions, and seems likely to cooperate. And, to take one final example... a station in Scandinavia recently conducted a special three day series of test xmsns for NA, in parallel with its regular frequency, on a channel recommended by the Committee. For this, a large monitoring network in all parts of NA was activated, and some informative reports were received. However, the experiment was rendered scientifically invalid due the use, by the station, of transmitters of grossly unequal power on the two parallel frequencies. These then, are some of the concrete examples of the Committee's activities. The number of stations cooperating with ANARC is increasing and there should be several more joining the crowd in the near future.

Finally, a word on the composition and methods of operating the Committee. Experience has shown that, rather than having a number of members in various localities, it is more practical to operate the basic activities on the Committee from its headquarters where the Chairman maintains correspondence files and keeps constant check on the changing frequency occupancy situation, based on actual monitoring and some twenty DX publications regularly received. Then, when a concrete situation crops up, Chairman contacts one or more monitors in other parts of the country (i.e., on the West Coast, Mr. August Balbi has been of great aid) and check on any particular frequency which is in question or of concern.

Finally, I would add that if any DXers in Alaska or Western Canada is interested in being of help to the Committee, he is invited to write me at 207 E.16th, Bloomington, Indiana. Only requirement is that he have a capable receiver, one which can be calibrated to within 5kcs, and a good overall acquaintance with propagation and frequency assignment.

The ANARC Reporte

D. Benson

F. Peters

Only a few more weeks left to get your reservations in for the ANARC Convention to be held July 29-31st. Rush your request for reservation cards to your two representatives above at 63 High Street Laconia NH or 820 west 34th street Chicago Illinois. This may be the Last Time we'll be able to remind you. IT'S LATER THAN YOU THINK...

As you read this section, in July, the convention is only days away. ANARC, companies such as Drake, WRUL (WNYW) have contributed..Its been publicized in the leading magazines, DXers are coming from almost every state in the union..Don't miss it. Once again, it's to be held in Kansas City at the Muhlebach Hotel as we told you two months back (that's Harry Truman's favorite hotel), and we've got reservation cards fro your pleasant stay at the hotel. Remember that it may be difficult to find a place to stay while in Kansas City at the peak tourist time, so we'd advise your sending for reservations! We dont want anyone to be dissappointed, accomodations-wise. Among the many many features you'll enjoy at the convention are panel discyssions, tours, DXers discussions on local radio stations...AND Ham station KØSWL WILL BE ON THE AIR DURING THE CONVENTION ON 20 METERS. ALL CORRECT SWL REPORTS WILL BE VERIFIED WITH THE SPECIAL ANARC QSL CARD. There have been more last-minute additions to the special lineup of features than we can list..We guarantee you'll remember this, the first annual ANARC Convention, for a long long while. Plan to attend.

Doug Benson, NASA Rep, has been appointed chairman of the committee for compiling an ANARC Official Country List. Stan Stanbury and Wayne Segal, of ASWLC and DXI respectively, are also on the committee. We'll have more on this committee as the work progrsses, but needless to say, compiling a master country list to please all factions represented in all the clubs claiming ANARC membership won't be an easy job!!

Dick Wood, head of the Frequency Reccomendations Committee, reports truly magnificent cooperation between his committee and the world's broadcasters in selection of more suitable frequencies for their specific transmissions. Makes us wonder if reception reports are really as valuable as always has been claimed? Dick and his committee seem to be offering more real help to the stations than the reception reports.

Want to help in the battle to improve QSL policies of stations? Then drop a line to Tom Guglielmi, through your NASA Reps, voicing your willingness to support, or become part of, his hard-working group of ANARC Volunteers. Tom heads up the ANARC QSL Committee.

We're getting fine comments from those of you who noted the DXers Code of Ethics last month, done up by John Callarnan for ANARC. We too think Johnnie did a magnificent and complete job of boiling down the facets of listener-station relationships into a compact and self-explanatory code of ethics.

ANARC Master List of Abbreviations has been compiled by Serge Nuermann of California. More on that later as all the lists are completed...

Untill next month, good wishes to you all. Doug and Frank

----- Doug Benson, 63 High St., Laconia, New Hamo. 03246 -----

Best of July wishes from the granite state and WPE2MI. Another rather short column this month, but we'll attribute that to the warm weather and vacation itis. As we dip into the Newsroom info bag this month we come up with thê following dope..

RCA introduces solid state radio for all three bands

A completely solid-state radio for operation at 50, 150 and 450 Mcs (mobile frequencies, radio "mobile mikes" etall) has been introduced by RCA making RCA the first company to make fully-transistorized equipment for such use. It not only improves on earlier solid state units, but eliminates all vacuum tubes and relays. (Eddings via Comm News)

Omega introduces new set (same source as above)

Pinpoint location a continent away is provided by a new miniature Omega shipboard navigation receiver developed by ITT. The set enables a ship to determine its location within a half-mile error at a distance of over 5,000 miles.. The receivers are being built under a \$350,000 contract from the USN Bureau of Ships.

Another item on obseletism of SW

E. William Henry, former FCC Chairman, noted recently that there's a threat to domestic stations from the now-orbiting communications satellites. Said he "The direct-broadcast satellite could eliminate overnight the need for all broadcast stations...When and if that possibility becomes a probability..." He spoke at the NAB conference, along with scientific predictions that such an occurrence could indeed become reality by 1970. (Ron Luyster)

Reds broadcasting on Venezulanian station

The Interior Ministry of Caracas said few weeks ago that a clandestine Communist station was broadcasting propoganda from somewhere inside Caracas' Central University, which is IMMUNE to government or police intervention. Acting minister Luis Vera Gomez said the ministry had asked university officials to silence the station. Gomez noted that the interior ministry technicians were jamming the broadcasts. (via Don Jensen and the AP) Thanks Don. A good Newsroom scoop....

VOK to become world's most powerful station, according to a news item flashed to us by Gary Bywaters of Pennsylvania. Gary notes that the Voice of Kuwait is planning operations next year with a whopping 750,00 watts (that's seven hundred thousand watts). Marconi Ltd of Essex, Englã is making the three 750 Kw transmitters at a cost of almost three-million dollars. The transmitters, says Gary, are to be delivered next year. (Thanks Gar. I cannot help but wonder where that small kingdom is going to get three million dollars, hi...Editor).

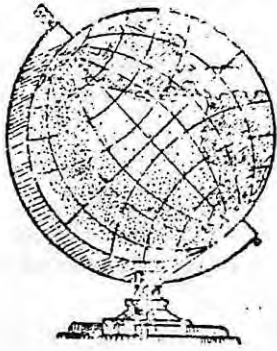
Ascension Islands transmitters due on

According to our overseas news sources, the BBC's four rigs on Ascension Islands are due on the air by the time you read this, with original tinetqble for operation listing June as target month.

Radio Nederlands going to kHz

If it hasn't happened already, it will. Nederlands will go to kHz in lieu of Kcs. ! (SCDXers)

Watch for the NEW Newsroom, coming soon! Thanks for your support.



NASA SHORTWAVE CENTER



Ronald Luyster, Editor

ALL TIMES GMT

JULY

DEADLINE 15th.

"NASA GOES ALL SWBC!" is the big news headline for August. With this change in format comes also changes in the staff of Shortwave Center. Coming in as the Chief SWBC Editor is well-known DXer and journalist Don Jensen of Wisconsin. I will be staying on as editor of the Loggings section and along with some other OM being appointed, will assist Don in making this section the best in any club!

Being the SWBC Editor of a club the size of NASA is a very big job..entailing much more effort than most members probably realize. ..And with the ever increasing membership, it has become increasingly difficult for one individual to do a creditable job to all the aspects involved in the section. With the appointment of work to several OM, under the leadership of multi-talented Don, it is my belief that the overall quality of the section will greatly improve over the coming months and years.

As I bow out as Chief SWBC editor, let me again express my sincerest thanks to all those who have been so loyal over the past months..and who have been so patient with my faults and foibles. I know I can count on that same loyalty as regards reporting to the Loggings section! ...I leave my present post with some regret, but moreso with confidence...confidence that the SWBC section will prosper even more than it has, under the learned hand of its new editor!

!!! important...A T T E N T I O N....important !!!

Henceforth all articles, features and items not directly pretaining to either of the Reports/Loggings,,QSL Report,,SWBC NewsRoom,,or SWBC ScoreBoard columns, should be sent to Donald Jensen, 1832 Ridge Drive, Racine, Wisconsin 53406.

Reports/Loggings are to be sent to Ronald Luyster, Route 1, Flushing, Ohio 43977 and use of NASA report forms hereto are requested be used, though not mandatory.

QSL Reports and any/all data re QSLs, are to be sent to Gregg Calkin, 174 Waterloo Street, Saint John, New Brunswick, Canada.

SWBC NewsRoom and SWBC ScoreBoard info, facts, data, tips, etc., are to be sent to NASA Hdqs during July, but will be sent to specific editors who will be appointed/named next month. Keep in mind that our new NewsRoom format will concern only SWBC, also that the ScoreBoard statistics include only data re SWBC!

The breakdown of the DX section (Shortwave Center) has been initiated in order to distribute the workload so that no one certain editor be burdened. This will benefit all sections/columns! Too, it will be beneficial to the bulletins and club proper.

If at any time you are uncertain as to which editor some particular material, data or report should be sent, mail it to either Don Jensen or to NASA Hdqs and it will be forwarded to appropriate editor. In such instance, be alert to fact that deadline for any/all reports, etc., to any editor, is the 15th of the month! Mail accordingly!

All members, regardless of age or experinece, who are interested in SWBCing, as SWL or DXer, are invited to submit articles and/or features on any subject or matter re SWBC. All will be given consideration as to containment in future Friendx. These are to be mailed to Don Jensen. Those used will be duly accredited member submitting.

A Report on the TUNAVERTER, MODEL "SWL", Tompkins Radio Prod's.
by Richard E. Wood

(Last months Frendx contained data sheet and order form covering the various models of Tunaverters available to DXers; This then is a report on the SWL model - 31 meterband)

The TUNAVERTER "SWL" is a single band tunable transistor converter for car and domestic radio's, covering the 31 meterband (international broadcast and adjacent frequencies). I have been operating it in my car for several weeks now and the following information is based upon my personal experience with this particular model.

Installation proved rather troublesome. Eight tight Phillips screws had to be removed to insert a 9 volt battery. In my opinion that Tunavertter should be shipped from the factory with the screws nonplaced, packaged separately, along with two additional to suit the bracket, provided, for attachment to the car, below the dashboard. Due lack of suitable screws and incorrect spacing (for my car) of the holes in the bracket, I have been unable to attach my Tunavertter securely, have fastened it with only one screw. And when the battery needs replaced, it will be necessary to go through this same rigmarole again. On the other hand, fitting to car antenna and receiver is exceedingly simple, by jacks provided.

Operation is simple. The car radio is set a 800kcs. The Tunavertter is switched on/off by a slide switch, one of the two controls (the other being the frequency dial). However I feel the lack of an on/off pilot light is a disadvantage as I have wasted my battery several times by leaving the Tunavertter on while the car ignition and rx off.

Calibration is every 100kcs. On my particular Tunavertter however, there is an inaccuracy of 190kcs, but it is consistant and a new/accurate tuning scale could (at the cost of the Tunavertters appearance) be pasted on and made accurate to within between 5 and 10kcs. Actual coverage of my unit is 10.1 to abot 9.3mcs. It functions well throughout this range.

Signal strength is excellent. Really clear, sharp signals can be obtained, and I can, if I wish, boom SBC's music-box interval signal, or Radio Ghana's drums, out into the street through my car window. I am most satisfied with this, most important aspect of the unit.

Separation/selectivity is good. I can clearly distinguish between stations of average strength with regular 5kc separation (i.e., ORTF-9755, RNE-9760 and BBC-9765) Some even better separations have been achieved (i.e., Havana-9525, SBC-9535) considering the overwhelming power used. And another example is Santo Domingo-9502, Prague-9505. The stability is excellent.

My overall opinion is that, while one or two refinements could be incorporated, the Tunavertter SWL is a fine unit for enjoying programs in the 31 meterband, and it is a rather novel thing to flip your car radio on and fill the street with voices of the world. While the Tunavertter is obviously more suitable for SWLing than actual DXing for rare stations, the latter can oft times be enhanced by location and conditions. Radio Ankara is at least one semi-DX logging in a short period of use. I note only one or two spurious signals at most times, one or two telegraphic signals appear to break through into the band, and occasionally a local CBER is heard. The regular AM band reception is unimpaired when the Tunavertter is switched off, and there is no mutual QRM between the two (car radio and Tunavertter). I even found that when the Tunavertter was plugged into the radio (a rather poor one at that!) of another car, which on the AM band produced nothing but the local station and numerous harmonics, that SW reception via the Tunavertter was excellent. So it would appear that even a very inefficient car radio could be reconverted to useful SWLing use. The regular car radio is perfectly adequate, and interference from the engine is almost nil (a small supressor on the distributor, and possibly anti-interference spark plugs are aids).

Countries I have logged so far, most at very good signal strength; BBC, France, Spain, Portugal, Italy, Vatican, Belgium, Switzerland, Austria, Bulgaria, Hungary, Turkey, USSR, Egypt, Ghana, Mexico, Dominican Rep., Ecuador, Brazil, Netherlands, Germany, Cuba, Netherlands Antilles, Czechoslovakia, Canada and USA.

TOMORROW'S VISION OF OVERSEAS BROADCAST
de Radio Japan News

Once again the anniversary of the inauguration of Radio Japan is here. This broadcast, which is one of the oldest overseas services in the world, became 31 years old on June 1st, 1966. As its many listeners are aware, Radio Japan at present conducts regular broadcasts directed towards all parts of the world in 23 languages for a total of over 36 hours a day. However, it is believed that the future of overseas broadcast will soon undergo a great transformation along with rapid progress of science and changes which have begun and will continue in social conditions.

NHK has been conducting program exchanges since 1952, with various broadcasting stations of the world in form of recording tapes and discs for promoting mutual understanding and enriching broadcasting programs. These exchanges are now becoming pillars of our overseas services, presented directly to the world audience.

It has been a dream of mankind to hear/watch simultaneous broadcasts, and this dream was partially realized during the Tokyo Olympic's. Such simultaneous relaying of international programs will become all the more popular with progress made in radio engineering and the utilization of communication satellites. Furthermore, although not a few obstacles like problems of time difference, language barriers, etc., will inevitably be encountered and must be surmounted, success achieved in this field should bring immeasurable benefits to mankind in the form of greater mutual understanding and international amity. NHK and the Japanese broadcasting circles are, therefore, endlessly devoting themselves to research work using the latest technical know-how in order to attain this goal which is considered to be of gross consequence.

Since 1957, NHK has been sponsoring the Asian Broadcasters Conference by calling upon broadcasting organizations of Asia and Pacific areas to promote cultural interchange and exchange of technical information. Finally in 1963 the long cherished desire of the Asian broadcasting circles was realized in organizing the Asian Broadcasting Union/ABU. Furthermore, together with other broadcasting unions like the EBU, OIRT, URINA, AIR, which are organized throughout the world, efforts are now being exerted towards organizing worldwide broadcasting organization which may be called World Broadcasting Union. It is believed that the overseas broadcasting of tomorrow will take shape through mutual assistance and cooperation in the improvement and expansion of shortwave broadcasts, promotion of program exchanges, utilization of communication satellites, and furthermore, in the organization of the World Broadcasting Union.

Japans overseas service, supported by past history and tradition, and the continuous technical renovation, is expected to take the lead in world broadcasting circles. -30-

REGARDING VOA

KEEPING EM HAPPY

Peace Corps workers in Mbeya, Tanzania, a 6000 foot-high town in the southwest corner of Tanzania, recently told visiting Robert Kennedy that Radio Peking has better music and BBC better news coverage than the VOA. They also said they and their Tanzanian friends and neighbors equally regarded the VOA as propaganda. (de LA Times, via A. Balbi)

Radio Vladivostok on 11755 has been on the air more than usual lately with beam directed to the North Pacific coast of NA for benefit of large fishing fleet of Russian ships working just twelve mile from shore, causing consternation to residents and US officials. As many as forty ships have been counted, some of the "mothers" being over 400' long. It is estimated there are over 1000 people aboard the fleet, and some are women. (S. Rowell)

INSTANT TIME

NASA member Del Hirst has submitted to hdqs a homebrew time calculator which he calls "Little Wonder Instant Time Calculator". It is unique and original and is sure to find interest among SWBCers. Del has given N.A.S.A. permission to copy. We will do and contain in upcoming edition of Frenix. Watch for it!

!!! A LATE TUNING TIP

Radio Mil, Santo Domingo, Dom. Rep., now being hrd on 4940. This outlet anned by station 2 yrs ago, but never used till now. (V. Jaar, Haiti)

Opinion Forum

Opinion Forum

WHY NOT MORE ENGLISH??

by Sam Rowell

One could assume by listening to SWBC stations around the world that the English language is small and insignificant whereas it factually is the second largest, spoken by no less than 301 million people, of which 106 million are outside the USA.

Now lets take a look at what some of the stations do about it. Take for example Voice of Germany/Deutsche Welle; It boradcasts a program to NA for six hours from 0000-0600, all in German. First half is directed to ECNA, second half to WCNA. True there are many in NA which speak German, but it dont seem logical majority would prefer it over Eng. 120 million of the worlds peoples speak German, 78 million of them are in Germany. So it would seem this particular station could do itself better if it presented less German, recognized the 301 million English speaking people.

Then there is ORTF, Paris using mostly French, except for a few 15 minute programs in English within 24 hour periods. Of the 72 million of worlds peoples speaking French, 49 million reside in France. Again, 301 million English speakers are obliged to listen to French or turn the dial.

Radio Moscow, Radio Japan, even Radio Peking have many English programs, so it seems odd that others cant recognize that, after all, there are 301 million people around the world speaking English, and that this is no small minority.

Let's take a look at the following table as given in World Almanac '66, then see if you think the English speakers are getting a fair deal in listening to SWBC.

Mandarin	530 million	1	German	120 million	6
English	301 million	2	Arabic	89 million	7
Russian	176 million	3	Bengali	89 million	8
Hindi	171 million	4	Malay-Indonesian	75 million	9
Spanish	166 million	5	French	72 million	10

There are those who will argue that all of the 301 million English speakers do not listen to SWBC, and while this be true, neither do the 120 million German speakers nor the 72 million French. Point is, just who is all the German and French directed to in the programs beamed to NA? Even little Holland puts on seven English programs per day. It has sense enough to know the enormity of the English language. Odd some of the other stations cant wake up to the fact about the 301 million!

-30-

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A BASIC ENGLISH-FRENCH-SPANISH GUIDE FOR SWLS

as submitted by Victor Jaar

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/////

Voice	voix	voz	City	ville	ciudad
Station	station	estación	Directed	dirigé	dirigido
Now	maintenant	ahora	Month	mois	mes
Transmitter	emetteur	emisora	Week	semaine	semana
Address	adresse	dirección	Year	année	año
Letter	lettre	carta	Time	temps	tiempo
Hour	heure	hora	North	nord	norte
Frequency	fréquence	frecuencia	South	sud	sur
Here	ici	aquí	East	est	este
News	nouvelles	noticias	West	ouest	oeste
Daily	quotidien	diario	Thanks	merci	gracias

Editors note: While the average NA SWL/DXer listens to/pursues programs/stations with English broadcasts, he would greatly enhance opportunity for more QSLs and other such rewards were he to take interest in other languages/broadcasts.

Mike Finigan, North Carolina

Kol Zion, Israel....card...43 days....9009.
 Radio Iran....QSL letter, sked & literature by registered mail....49 days...11730.
 R. Moscow Asiatic Russia relay...card, sked & promised literature...44 days....15140.

QSL



REPORT

Bob Taylor, West Virginia

Radio Cairo...card via airmail...1½ mo....9475.
 Radio Japan...card via airmail...3 mo.....15135.

Marlin Field, Michigan

Radio Tropical, Tarapoto, Peru....letter in English....3 weeks. Letter states freq's as 9710 & 4935 but hrd on approx. 9770. Letter signed by Ricardo Mori Caverro, Jefe del Personal. No stamp on envelope, instead used the IRC I sent them!
 Radio Sweden...QSL card, sked, form letter....4 weeks...15420 & 11705.
 VOA, Marathon, Florida....card....7 weeks....1180 kcs. MW. Name of Marathon not on card, nor freq. just words: "Transmitted from Washington, D.C. on 3/22/66" and that they were glad to verify report. Not very helpful in keeping one's records straight.
 ITT Cable & Radio Inc., Puerto Rico...prepared card w/signature.....5 days.
 East Africa Extelcommunications Co. Ltd, Nairobi...Aerogramme letter QSL..2 wks..10730.
 Telecommunications Dept., Bahamas....letter....5 weeks....4893.

John Patton, Pennsylvania

Radio Canada..card..2 weeks...11725.
 Radio Praha...card...46 days...7345.
 Radio Moscow...card....68 days....7310.

Jerry Headen, North Carolina

Radio Denmark....card..8 wks...15165.

George Zeller, Ohio

Radio Euzkadi, clandestine...letter.

Elias Coulouras, Massachusetts

Radio Beograd...folder...73 days..15240.
 WFK, Seoul...card & rpt form..30 days..9640.
 Int. Red Cross..card & rpt forms..12 days..17830. Was this the Geneva xmtr? (Ed.)
 R.TV Dominicana..card..62 days...9505a.
 Rcvd color map of industrial centers for filling out Radio Japan survey.

Phil Zucchi, Massachusetts

D.Welle, Kigali...card..3 mo..17805.

Peter Grenier, California

WWVH, Hawaii...card..8 days...15000.
 VOA, Poro, P.I..card..14 days..6185.
 CBC Northern Svc..3 mos.A...9625.

Edward J. Pyatt, South Carolina

XEHH, Mexico..letter..4 weeks..11880.
 RAE, Argentina..card..10 weeks...9690.
 Swiss B/C..card & travel books..4 weeks..11865.
 Radio Canada..card..8 weeks..11720.
 AFRTS, New York..card & sked..2 wks..11790.
 Radio Berlin Int..card, letter & sked..4 weeks...9650.
 Radio Sweden..card...12 days...11805.

Dave Carison, Missouri

Voice of Nigeria..card & sked..9 days..9690.
 Radio Ghana...card...81 days...11800.
 R.TV Dominicana..card..9 days...6090.
 ELWA..card, sked, folder..127 days..15155.
 Radio Australia..card & sked..115 days...9580.

*In answer to John Sgrulletta's inquiry of June..I got verie from R.Relej (Costa Rica)..letter in Spanish..freq. given as 6207..in 44 days after my first report.
 Radio Cairo..card & sked..59 days..9595.
 Radio Kiev..card & sked..27 days..7310.
 R. South Africa..card & sked..44 days...9525.

CFRX, Canada..card...17 days...6070.
 R.Beirut..card & sked..58 days by registered mail. ..Does anyone have QSL from R. Libertad? No reply as of yet.

Greg Bovee, Michigan

Deutsche Welle..card...3 weeks..11945.
 R.Berlin Int. ..card...40 days..9650.
 R. Budapest...card...40 days..2nd report..6234.
 AFRTS, Los Angeles...card..8 days..11805.

John Zaharek, Connecticut

R.Relej sent me QSL letter in Spanish.

Warren Nordgren, Illinois

VOA, Okinawa...card...10 wks...7165.
 La Cruz del Sur, Bolivia...card & letter...
 ..2 weeks...4985.
 Dahomey...card...14 months...4870.
 Radio Vancouver...card...1 week...6160.
 Radio Luxembourg...card...5 weeks...15350.

Richard Wood, Indiana

R.Huancayo...5910...card & letter...2 months.
 R.Santa Cruz...nominal 4870...letter...3 mo.
 R.Universo...nominal 4860...card...1 month.
 R.Qcotepeque...5035...letter...3 weeks.
 La Voz Evangelica de Honduras...4820...
 ..letter...1 week.
 R.Universidad Nacional Autonoma de Mexico...
 ..nominal 9600...letter, booklets...1 week.
 R.Hernandez de Cordoba...6100...letter...4 mo.
 R.Popular...4810...folder...3 weeks.
 R.Tovar...nominal 3385...letter...1 month.
 R.Rif. Venezuela...(for test on 4920, did
 not indicate freq.)...letter...5 months.
 R.Nacional Tikal...nominal 6190, admitted
 actunk 6205...letter...1 month.
 La Voz de Guatemala...15170...card...6 months.
 R.Sicuni...4849...letter...3 weeks.
 Onda Popular...6070...letter...5 months.
 La Voz del Barú...6045...letter, calendar,
 2 pennants...3 months.
 * To member enquiring about R.Relej..if
 he means R.Relej de Costa Rica (not the
 only Relej!), I have QSL for a few years
 back on their old, difficult freq. 6006V.
 When they moved to 6205V, they were swamp-
 ed by reports and now very rarely reply.

Barry Deal, Nebraska

Radio Budapest...card...6 weeks...9833.
 Also sent copy of "Budapest Antenna" mag.
 Radio Japan...card & "Radio Japan News"...
 ..4 mos, 1 week...15135.

Dan Henderson, Maryland

R.Minsk, White Russia...card via R.Moscow
5 weeks.
 R.Alma Ata, Kazakh, card via R.Moscow,
 along w/request for other reports...7 weeks.

Ralph Irace Jr., Connecticut

R.Cairo...1 month...9475.
 R. Nedorland...2 weeks...9590.
 R. Praha...2 months...15285.

Andy Noznick, Illinois

Radio Relej...6205...personal letter...24 days.
 Finnish B/C...15185...card...24 days.
 R.TV Dominicana...9502...card...18 days.

Danny Douglas, Texas

R. Tarawa...4912.5...form letter...1½ mo.
 R. Berlin Int. ...9650...card...1 month.
 R. Americas...6000...card...3 weeks.

Jerry Green, Virginia

R.TV Dominicana...card...29 days...9505.A
 R. Japan...card...4 months...9605.
 Windward Is. B/C...card...6 months...3280.
 R. 4VEH...card...1½ months...11835.
 R. Cairo...card...2 1/3 months...11915.

William S. Sparks, California

Alma Ata...card...10530...5 weeks.
 R.South Africa, Int. Svc...7270...27 days.
 EBC, Bechuanaland...4845...letter...25 days.
 WWV...card...5000...15 days.
 WWVH...5000...card...7 days.
 FPN, Tokyo...6155...card...7 days.
 Willemstad, Curacao PTP...12295...letter...
 ..10 days.

Frank Peters, Illinois

Central African Relay...letter & card via
 BBC...3 weeks...4845.
 4VCS, Gonaives, Haiti...letter...14 weeks...
 ...5021.
 GZC, Mauritius...letter...18 days...11631.
 Venezuelan Tel. Co...card...2 mo...7842.
 Cyprus Telecom...letter...2 weeks...19940.
 Frunze, Kirghiz SSR...card via R. Moscow.
 HOJ2, Las Tablas, Panama...letter...4 mos.
 ...1045 kc.

Gerry Dexter, Wisconsin

RTF-Reunion...4880...letter...3½ months.
 R. Euzkadi...13210...letter...13 days.
 R.Independence, Haiti...5021...letter...45 days.
 France Cable et Radio, Libreville, ptp,
 12295...letter...5 weeks.
 Warszawa PTP...7404...letter...10 weeks.

John Sgrulletta, New York

Abidjan, Ivory Coast...card...2 weeks A.
 Report was for 6015, but card listed only
 11830. Card shows Africa in brown with
 white dots representing important cities
 & black dot signifying Abidjan.

Donald Jensen, Wisconsin

R.Ulan Bator...4165...letter & cards...6 wks.
 NST, Londonderry, N.Ireland...14520...self
 prepared card...5 weeks.
 Polish Pathfinders St., Warsaw...7306...ca...
 ..4 weeks.
 R.Euzkadi...13225...letter...4 weeks.
 NTS, for reception over R.Libertad, 7302
 ...card...6 weeks./Tanzania,5050...card...6 mo.

NASA QSL REPORT FORM A

In order that data re QSLs rcvd by members be set forth in standard form, it is asked that reports to QSL Editor include following as taken from QSLs reported: Station/Country QSL is from, freq, time and date of report to station, date report was mailed and date QSL was rcvd, type of QSL (card or letter), name of signer. (If data asked for is not given on QSL, put an ..X.. in appropriate space.)

<u>STATION/COUNTRY</u>	<u>FREQ</u>	<u>TIME</u>	<u>DATE</u>	<u>DATE REPORT SENT/DATE QSL RCVD</u>	<u>TYPE OF QSL</u>	<u>SIGNER</u>

OTHER DATA: info, other than asked for above may be given here at discretion of member. Such may include what, if any, other than QSL was sent by station...if IRCs were sent with report...mode of mailing used by station, description of QSL (card) re colors and/or design making it unique...and other info possibly of interest/use to other members.

REAPPRAISAL OF IRREGULAR VERIFIER LIST

by Bill Sparks, NASA/ASWLC/DXRA

In the March edition of Frendx* appeared a list of stations that were either nonverifiers or verified infrequently and irregularly in the extreme. There were some twenty-seven stations on the list.

During the period of over a year since I prepared the original list, I am happy to report that verification conditions have improved greatly from nine of these stations. Some of them can be removed from the list! The lesson that we all can learn from this is that verification policies can and do change!! In case you have received no reply after several reports to some of the irregular verifiers, don't despair...keep trying from time to time with a fresh report!

Perhaps the most dramatic "about face" of them all was Conakry. This station had verified in the past, then stopped almost completely. According to the information of QSL column in August 1965 SWL, Alan Farmer, an English/Scottish DXer, along with the DX-Alliansen president, met with Madame Berete of Radio Conakry in East Berlin and spoke to her about the stations QSL policy; She promised to look into the matter.... and she did even better. By fall of 1965, Conakry was verifying reports with a form letter! This proves that personal contact between station officials and interested SWLs/DXers, can improve verification conditions. Perhaps it will also encourage a few members, who have some extra time, to cooperate with the ANARC QSL committee in the work it is now doing. (Contact - Tom Guglielmi, via ANARC Hdqs, 1832 Ridge Drive, Racine, Wisc. if you would like to assist his committee!)

Just as well known was the policy change of Radio Portugal which is now sending out its beautiful card promptly.

And a shift in policy by Radio Moscow has opened up the possibility of a whole new group of QSLs. For a long time, only the ability to correspond in Russian gave DXers any sort of chance to verify Russian Regionals (other than those w/Eng programs!) But last fall R.Moscow suddenly started to verify reception of the various regional xmts by typing on the card, the location of the station (as is similar to VOA veries). Yet more recently, R.Moscow sent a letter along with a regional QSL to one DXer in which it explained they are only interested in receiving reports covering English language transmissions. In order to keep Moscow happy, and answering reports on regionals, it would then seem a wise policy to include with each report to a regional, an up-to-date signal (strength and quality) report on the English language transmissions beamed to your particular area via R.Moscow.

Sudan also resumed sending out form letter QSLs/veries after the political changes of last year. Saudi Arabia has been verifying regularly of late.

The start of an international service in English has resulted in prompt replies by letter from Ulan Bator. The station will now verify the home service programs which are in Mongolian, as well. This one is a welcome addition to most DXer lists in U.S. And now Radio Pyongyang has several English programs and has been verifying with a nice card. Problem here is that there is no direct mail service there from the states and it is necessary report be sent via Radio Peking who most times will forward (be sure to send report to R.Peking at same time!)

For some time Radio Belize was more apt to answer reports for MW xmsns rather than on 3300kcs, but recently has improved policy and now replies to SW reports usually. Also Uganda has improved on number of QSLs sent out.

Lybia has replied to one DXer recently, but the station is so seldom heard that its QSL policy is still somewhat a mystery.

This then leaves the following still highly irregular: Abidjan, Tunisia, Mauritius, Voice of Ethiopia, Congo regionals, Martinique, WIBS, Syria, Malawi, Cook Islands, Sanaa, Pakistan, Thailand, Burma, R.Ceylon and Indonesian regionals.

In order to get in at the start of one of these policy changes covering a station you seek to verify, review the QSL columns in your club bulletin every month. When you see evidence a station has started to verify, get out a report as soon as possible. It may require more effort than usual, but that new QSL, from a tough verifier is most always worth extra effort. (*1965) -30- (WSS-6/66)

DATA RE DXING IN FINLAND

by Seppo Ketola

((Note; Seppo is a native of Finland, presently residing in USA and attending school. He here tells us of DXing in his homeland whereto he will return upon completing his education, being stateside as an exchange student.))

In order to listen to radio in Finland, you must pay a license fee of about \$6.50 per year. However, due one license being enough for a family, and since almost all such do have a radio, it is not an additional cost for a DXer.

Since most European receivers have a shortwave band...6 to 16mc, the average DXer uses these rather than the communication type (used only by about 20%). However, in recent years, such as the HF30 are becoming popular due them being somewhat inexpensive. But most DXers in Finland would rather invest in a good tape recorder than an expensive rx.

Antennas are a big problem to Finnish DXers. Most people live in cities, in apartments where it is difficult and oft times not permitted to install private antennae. All of the apartments have a "central" antenna, but very often a 10' copper wire on the floor is more suitable for DXing. Those who are fortunate enough to have their own antenna seem to prefer the 49m half-wave dipole.

DXing in Finland finds SWBC with main following, but there are some who prefer MW or FM. CW, ARO DXing is not popular, and most clubs stay away from PTT too, because it is "half legal". Cardswapping is not well known since Finnish DXers are not registered, thus they have no call letters for cards.

The difference between DX seasons is gross. Fall is poorest. Of course there are the powerful stations which can be heard at most any season, but no good DX. November to January is the "golden time" for DXing; North and South American stations can be heard at night, Far East stations during day. Spring is good time to hear African stations. From February you can hear Latin Americans, first on 25m, then later on all SW bands. Latin American season continues all summer. I think just about every Finnish DXers favorite moment is in summer at around 0300 when he is listening to an LA station while outside the sun is shining and birds are singing.

As can be ascertained, LA is the favorite area of most Finnish DXers; This is because they are not too easily heard in Finland, and are even more difficult to QSL...but when you do hear one and get a verification, it is well worth the effort. Of course we have some DXers who specialize in African or Asian DXing. There are bout ten DXers in Finland who have 100 countries verified.

You would probably think that language is a big problem to the Finnish DXer, but it is not. Most children in Finland take seven years of English in school. However, knowledge of Spanish or Portuguese is not wide at all, yet it is not difficult to learn them well enough to write a reception report.

There are seven DX clubs in Finland, the largest being the Suomen DX Kuuntelijat...it has about 300 members. Altogether the clubs have about 600 members. The oldest club is now about eleven years old. All publish monthly bulletins and sell DX materials such as WRTH and other books/literature and report forms, etc., printed in different languages to help DXers in this fine international hobby.

-30-

...Do you have a DX friend overseas? If so, why not ask him/her to write you about... DXing in their particular country, then submit it for publication in FrenDX. We will be most happy to consider any/all received. Help us to learn more about DX and DXing/DXers from other lands, it will aid the hobby and strengthen our ranks.

"Unity & Friendship"



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BECHUANALAND....The BBC Francistown relay operates daily 0400-0530 and 1700-2045 on 4845 and is on 7295 from 0545 to 1645. (Sparks) Believe your editor kind of jumped the gun last issue..guess this territory doesn't become independent until this autumn. Name will then be Rep. of Botswana instead of present Bechuanaland.

ASCENSION ISLAND....Beginning in July, the new BBC relay station here will operate with 250 kw on 15350 kcs from approx. 1800-2245 with the BBC World Svc. and in French and Hausa for Africa. (Sparks)

TAIWAN....The BCC is using a very powerful new transmitter on the frequency of 17720 for most of its xmsns. It has resulted in powerful signals in California but sometimes the modulation is poor. (Sparks)

ENGLAND....The BBC is testing on 25750 to the Pacific area and is being hrd in the Melbourne area 0900-1030., according to RADK. (Balbi) Probably is the only station operating in that band at the present time. (Ed.)

AUSTRIA....The Austrian Radio is now strong on 15430 at 0330-0430 to Central America & Eastern S. America and fair on 17855 at 0630-0800 to South Asia. Late sked shows these as 0330-0500 on 15430 and 0500-0900 on 17855, but as yet doesn't seem to fill these hours. (Rowell)

CANADA....Radio Canada relay via BBC to Africa from 0730-0815 is on 11880, 15390 & 17715. In English at 0730-0800 and French 0800-0815. To Europe, via Sackville xmtrs, at same time, 0730-0815 on 5990 and 9625, program same as to Africa. (Rowell)

USSR....Radio Vladivostok, 11755 serves the Russian fishing fleet which is just 12 miles off the Oregon-Washington coast. Their commander says they expect to stay until September. (Rowell)

CHINA....A presumably new outlet of the Radio Peking Home Svc. was hrd signing on at 1025 w/music by a chorus a cappella and by an orchestra, then Chinese talk & music to 1100, when the familiar "Peking pips" (six pips, the last of which is a higher note than the others) were sounded. Fairly strong but squeezed between ZYW23/9754 and Saigon /9756. Parallel to 11290 and 11330. (Hill) Frequency was 9755.

BASQUE CLANDESTINE....Radio Euzkadi was caught on a new frequency of 15080 just at s/off on 5/29 at 2110: tuned just in time to hear the ending of an anthem, then the Euzkadi IS twice. (Hill) Also hrd in late April on 15095a at 2240-2313 s/off. Was jammed but station over-rode it most of the time. (Headen)

MEXICO....Some errors in June list...XEOI-6010 is usually all-night....6044 is the correct measured frequency of XEXQ....XEQM-6105. Station announces as Radio Frecuencia Juventud....11733/11740/11745 are the three variable frequencies for La Charrita del Cuadrante, not 11830....XEHH-11880 is owned by a company called Radio Difusoras Comerciales (not as in June issue) but announces as "La RH de Mexico"....XERR-15110 //XEHH is usually active. (Wood)

ITALY....As suspected in June issue, RAI is now beaming to N.America on 11800 and 15385 only. As Chairman of the Freq. Recommendations Committee, I have informed both RAI and RNE, Tenerife of the mutual interference on 11800. I feel that RAI should change to another channel, as this is an established RNE frequency. (Wood)

MALAYSIA....The transmitters of the BBCFES are in Tebrau, Johore state; studios are in Johore Bahru, capital of the state. The station should therefore be listed under Malaysia. (Wood)

GREECE....The schedule published in June issue lists nominal frequencies. All are variable, e.g. 15345 noted on 15344. Beware confusion with Buenos Aires, also on 15344, nominally 15345. (Wood)

ANDORRA....There are two Post Offices in Andorra and it is therefore useless to address mail to a P.O. number without indicating which P.O. (French or Spanish). It is much better to use the geographical address, namely, Roc de les Ancleres. The capital, locally called simply "le village", is called in French, Andorre-la-Vieille, in Sp. Andorra la Vieja and in Catalan, the official language, Andorra la Vella. No return postage is required. The Roc de les Ancleres is a cliff surmounting the capital. (Wood)

Beginning July 2, 1966 "DXing Worldwide" program over WNYW will be aired only at 1330 GMT on 17880//17730//15440 and 15300. This special program is broadcast every Sat. and contains technical news, features on all aspects of broadcasting and DX tips. (DXWW)

The House of Representatives recently approved funds contained in a defense procurement bill authorizing replacements for a pair of battle-weary planes known as "Blue Eagle". Providing the Senate also approves, it would earmark \$20,000,000.00 for the Navy and Marine Corps to supplement or replace the two C-121's which have been used as flying broadcast stations for the Vietnamese and U.S. military personnel. (Broadcasting/Dexter)

RBI Summer Sked for North America (USA and Canada) ECNA: 0000-0030, 0130-0200 on 9720kcs. //11890 (until August 31st) and 9645 (from September 1st). WCNA: 0345-0415, 2045-2115 GMT on 11920kcs (until August 31st) 9560 (from September 1st) 11875 (until August 31st) and 9650 (from September 1st). Programs include news, commentaries, music, sport spotlight, youth problems, listeners questions, among others. (Direct RBI)

At last report, new BBC relay from Ascension Island not yet heard. Tests were to have started, and according to info, freq is given as 15350, times at 1800-2300 GMT. (Jenson)

New RNYW Facilities Work Progressing...Construction is now underway at WNYW's new transmitter site located on a 785 acre plot near Chatsworth, N.J. The new transmitters will consist of a 100 kw, two 250 kw and two 50 kw installations. The antennas will be of a rhombic pattern giving an effective radiated signal of about 5,000,000 watts. Operation should start in 1967. (de Ralph Iraue Jr, Connecticut)

The following is Radio Kiev, USSR sked for Spring-Summer 1966..English language broadcasts: To Europe...1900-1930 on 11730 and 7210....2230-2300 on 1240 MW. To North America...0030-0100 on 9810, 9710, 9690, 9670 & 9610.....0430-0500 on 9690, 9670, 9630, 9610. All xmsns are on Mondays, Thursdays and Saturdays. (The above from Radio Kiev sked via members Phil Zucchi, Marlin Field, John Kohser, John Zaharek, Darry Douglas, Dan Henderson, Art Poulis and Ed Fyatt who replied to our request for sked in last month's section!)

Recently received is the 1st May-3rd September sked of Radio South Africa giving English xmsns thusly: 0415-0427 on 7270 & 9525 to Kenya, Uganda & Tanzania.....
..0500-0512 on 5980 & 7270 to Rhodesia, Zambia & Malawi. (Above xmsns Mon.-Sat. only)
1000-1455 on 7270, 9525, 11900, 15220 General Svc to Africa....1600-1655 on 5980 and 7270 to Rhodesia, Zambia & Malawi.....1700-1755 on 7270 & 9525 to Kenya, Uganda & Tanzania.....2100-2155 on 7270 & 9525 to Nigeria and Ghana....and 2200-2255 on 7270 and 9525 to the United Kingdom and Europe. (RSA sked via Barry Deal & Jerry Stuart)

Latest sked from Radio Prague, Czechoslovakia: To North America at 0100-0155 and 0330-0425 on 7115, 7345, 9505, 11990. Also on 5930 at 0100 and 6090 at 0330. On Sundays: 1400-1455 on 15285, 15448, 17825. (Tnx to Alan Raylesberg, who also should be listed with those contributing Kiev sked above.)

XXXXXXXXXX AROUND THE SWEC WORLD NEWS XXXXXXXXXXXXX

The Norwegian B/C Corp. has issued its quarterly sked, listing the frequencies that will be in use to Sept. 3, inclusive. Programs beamed to North America are on 1400-1530 on 21730, 17825, 15175 & 7210. and from 1600-1770, the first three freqs are used with 11850 & 9610. Evening xmsns 0000-0130 are on 17825, 15175, 11850, 9610 & 1578 MW. Last xmsn of the day runs from 0400-0530 and uses only four of the above freq.'s; 17825 is dropped after 0130. The station's editor, Erling Thokle, confirms reports and will send a schedule free to listeners requesting same. Send reports to him at: Radio Norway, Oslo, Norway. *

Inasmuch as the government of Eire does not have a SW broadcasting station on the air at present, listeners wishing to secure a verification of that country can tune Shannon Air Radio from 1300-1900 on 13265 or from 0000-0500 on 5550 or 8829 kcs. This is one of the busiest airports in the world, guiding aircraft across the Atlantic and advising pilots as to weather and landing conditions at all European fields. Requests for confirmation should be addressed to: Chief Communications Officer, Shannon Airradio, Ballygirreen, Newmarket on Fergus, County Clare, Eire. Return postage is required for a reply. *

A seldom reported station, WS18, is on the air daily for 10 to 20 minutes broadcasting news at 1930 on 4560 kcs. The station confirms reports by letter from Cable & Wireless (West Indies), Mercury House, Grand Turk Island. Return postage is required for an answer. *

The East Mediterranean Relay station of the BBC uses two 7.5, two 20 and four 100 kw shortwave xmtrs at Cyprus to beam programs to the Middle East and East Africa. Starting at 0400 daily, the broadcasts run until 2215 next day on 17885, 15420, 11820, 11720, 9650, 9625, 7140, & 6120. MW stations used for this service are on 1421, 719, & 638 kcs and over a 10 kw xmtr at Perim Island on 701 kcs. Reception reports will be welcomed by the BBC. Special forms may be obtained from the Chief Engineer of External Broadcasting, BBC, Bush House, London WC2, England. *

The privately-owned commercial station, Radio Nickerie at Paramaribo, Surinam now is transmitting on a regular daily schedule from 2300-0400 using 500 watts on 3240 kcs. Reports are wanted and prompt verification is promised. *

The Far Eastern Relay Station of the BBC (BBCFES), Singapore (facilities actually in Malaysia (Ed.) uses two 75 and four 7.5 kw xmtrs for broadcasts to Asia and the Far East. Except for brief xmsns between 2300 and 0000, the station is on the air constantly from 1000-1830 using 5 or 6 xmtrs. Among the freq.'s that are used are: 17820, 15425, 11955, 11890, 11750, 9725, 9580, 7235, 7120 & 6110. Reports are welcomed and acknowledged with a special card. Request for verification should be sent to: GEXB, BBC, Bush House, London WC2, England. *

Radio New York Worldwide advises that due to a complete revamping of their operations, the printing of the new RNYW program guide, originally scheduled for June 1966 will be delayed until September 1966, at which time some exciting new changes will be announced, states a recent card from the station.

It is reported that a new SW station in South Vietnam, located at Da Nang, using 7265 (5 kw) is now on the air. (World Radio Bulletin)

R&E, Buenos Aires, Argentina is broadcasting to N. America in English and Spanish on 6090, 9090 & 11780 from 0100 to 0700 daily, except Sun. & Mon. (WRB)

The Burma Broadcasting Service outlet on 5040 kcs is now using 50 kw. (WRB)

Radio Nepal, Kathmandu, is to raise power of its transmitter to 100 kw, thanks to a gift from the British government. Transmitter range is 5900-26100 kcs. (World Radio Bulletin)

The Seychelles B/C Svc. has stopped all xmsns in the shortwave bands. (WRB)

Special

Special

DXing ON HISPANIOLA

(Notes from a DXers experiences, past/present, in the Dominican Rep. and Haiti)
by Victor C. Jaar

Isolation was an important factor in my DXing career. SWLing was my favorite hobby during summer vacations for several years; My knowledge of several foreign languages revealed to me the fun and beauty of the radio hobby. Greatly attracted by foreign stations, and always wanting to hear a new country, I had logged more than seventy before I became familiar at all with frequencies.

Only three years later, after starting as an SWL did I get in touch with the DX world and began receiving publications. My loggings included Luxembourg, Mali, Monaco, etc., while on the needed list were Finland, Paraguay, AIR and many others.

During the Trujillo regime and just a few days before Radio Caribe was formed in Santo Domingo, there appeared for the first time, and for just two or three days, a station on 6090 by the name of Radio Nacional Dominicana. Never did I see any mention of it, apparently it had not been noted by foreign listeners. Then came Radio Caribe which replaced the MW transmitter of Radio Deportiva Handicap and adding 6210, 9505 and a 19m outlet. On 9505 it was a 50kw transmitter, while the 19m outlet ran 20kw, yet was widely reported. (As usual, most reports to the station were from Sweden!)

When Radio Caribe moved to 6090, I wrote to Radio Lumiere, Aux Cayes, Haiti which was using the same frequency, and suggested a move. They accepted and QSY'd to 6100. To the best of my knowledge, this was the first Frequency Recommendation realized here.

In 1963 I heard from conversation with a leading Dominican official that they were planning to absorb Radio HIN and HIN TV station (Rahintel) as they had done Radio Caribe into Radio Santo Domingo TV, but a few weeks later there was a coup d'etat and plans were foiled. (This perhaps, to now, is an unpublished fact!)

Here are some of the favorite stations at that time, many of which do not exist today:

Beirut, Lebanon on 8008 Radio Rumbos, Venezuela w/alternate freqs 25m
Radio Inter-Africa, Tangiers on 9275 Radio Katanga, Congo on 11866
Damascus Radio on 52 m HOLA in Panama on 9505
CMDK, Santiago de Cuba on 94m La Voz del Camagueyano, Cuba on 31 m

And some other oldies from the radio world of a few years ago include such as these:

La Voix du Sud, Cayes, Haiti on 52 m Radio Manrese, Port-au-Prince 6165
La Voz Dominicana in former Ciudad Trujillo, on 3280, 5970 and 9770
RTF, Martinique was on 120 m as was La Voz del Papagayo, Dom. Rep.
Radio Nacional Quetzaltenango, Guatemala, a favorite on 11700

With recent Tashkent Treaty, everyone knows the city where Shastri died, yet at the time I logged R. Tashkent, it was a mystery station to me, heard daily on 11695. A few months later the mystery was disclosed and Tashkent became the capital of Uzbekistan, SSR. Later, Radio Tashkent was logged on 9600, getting through KCBR. (Some of you will recall KCBR, WLWO, WDSI, WBOU were VOA calls in former years, now no longer used.)

Shortwaves were easier a few years back, especially for LA DXing. No 250kw transmitters were in use then. Such as TWR Monaco or Bonaire, Radio Havana, Radio Ghana and others were not yet born. Even strong international stations like Vatican, Beirut or Amman were still using limited facilities.

I gained DX experience the hard way and had to find out for myself the IDs, best times and frequencies for every area to be received on this island, etc. Then I totaled 90 countries on SW with just an ordinary receiver; Only after that did I use a better rx for the first time. And today, though the WIDX has appeared, SWLs/DXer on several of Caribbean Islands have united, collaboration exists, I still seem destined to be the only DXer in this country.

Haiti, VCJ-June 1966

LOGGINGS



REPORTS

All GMT

All GMT

- 0000 15320 R. Nederland hrd on this new freq. w/English news. (Balbi)
 11770 Vatican Radio hrd 0030 w/Spanish to S.America. (Balbi) Hrd 0050 with English xmsn. (Leuchtefeld) (Finigan)
 11795 D. Welle, Koln, GFR hrd 0000-0300 to ECNA, 0300-0600 to WCNA, all 6 hours in German. Why for? (Rowell) Believe this is regular German Svc. for N.America. English and French are on other frequencies. (Ed.)
 11720 PRJ.B, R. Nacional, Brasilia, Brazil, ID'ed 0045 following lengthy speech in Portuguese, then was clobbered by a strong carrier. //15443 is audible early as 2030. (Hill)
 17705 R. Pakistan, Karachi hrd 0045-0051 w/Eng. news/ woman ID'ed at 0051 & said beam was to SE Asia in 16 & 19 m.b., latter found to be 15202. Both frequencies new and unlisted here. (Hill)
 15220 R. Australia hrd 0030 w/listener's request prog. in Eng. (Nordgren)
 9700 R. Sofia, Bulgaria hrd w/s-on & nx in Eng. (Hirst) (Finnigan) 9820 hrd at 0035, sounded like Sp. to S.America? Different xmsn than that on 9700. (Poulis)
 17825 R. Japan hrd w/comments on industry. (Paylesberg) (Bovee)
 11920 TWR, Bonaire hrd 0035 w/Eng. religious program. (Leuchtefeld) (Noznick)
 11735 R. Beograd, Yugoslavia tuned 0058 w/IS, then Spanish xmsn. Extremely poor signal. (Leuchtefeld)
 6050 HCJB, Ecuador tuned 0015 with Spanish talks. (Sgrulletta)
 11725 CBC, Canada hrd w/Portuguese to Brazil, //9625 & 15190. (Jenneman)
 9833 R. Budapest, Hungary hrd 0030 w/English xmsn to N.America. (Field)
 6030 R. Abidjan, Ivory Coast hrd 0030-0104 s/off w/long mx selections, nx & ID, anthem. (Sgrulletta) Isn't this 6015? (Ed.)
 7305 R. Libertad, clandestine, tuned 0045-0052. Eng. & Sp. ID at 0045, then resumed Spanish. (Sgrulletta) 13250 hrd at 0000 s/on w/Cuban national anthem, Sp. ID & mt. (Finnigan) Hrd 0040 w/ID. (Zucchi)
 11800 RNE, Canary Islands hrd w/Spanish music & talks. (Finigan)
 9770 Austrian Radio hrd w/music to N.America. Multilingual ID. (Finigan)
 9690 RAE, Argentina hrd w/English nx & music to N.America. (Finigan)
 7265 R. Tirana, Albania hrd w/English xmsn to North America. (Finigan)
 9605 TransWorld Radio, Bonaire hrd w/Spanish to 0020 s/off. (Getman)
 9570 R. Kiev, USSR hrd 0045 w/mailbag. Scheduled 0100. (Poulis) 11730 noted at 0045. (Bovee)
 9740 R. Moscow, USSR noted at 0000 s/on with news & music. (Bovee)
 3280 WBS, Grenada hrd 0050 w/"British Consul" program. (Zucchi)
 12380a R. Portugal hrd w/Portuguese. Odd freq., noted more than one night. (Headen) Probably a harmonic from the 49 m.b.? (Ed.)
 5559 Shannon Air Radio, Ireland hrd 0035 w/aviation weather in Eng. (Headen) One of few ways to log this country on SW. (Ed.)
- 0130 15105 WBS, Grenada hrd to 0215 s/off on extended schedule. (Balbi)
 11770 Vatican Radio hrd w/English to N.America. (Sparks) (Nordgren) //9645 & 7250. (Zucchi) (Hirst) (Jenneman).
 11735 ZYW28, R. Clube de Goiania, Brazil hrd 0135-0205 w/variety program; signal mixing w/another on channel. ID'ed at 0205. (Hill)
 4755 The Brazilian here is ZYF24, Radiodifusao da Maranhao, Sao Luiz. Hrd 0100 w/ID, then music. Severe heterodyne QRM most of time. (Hill)

0100 15150 VOA, Hawaii hrd w/Commentary on housing laws. S/off at 0130. (Peters)
 3295 R. Cultura de Sergipe, Brazil hrd 0130 w/lecture or talk. (Dexter)
 6082 R. Nacional, Lima, Peru well hrd after 0100 in Spanish. (Jaar)
 3395 R. Santiago, Santiago, Dominican Rep. active again this freq. (Jaar)
 9590 R. Nederland, Bonaire hrd 0130 w/Eng. to N.America. "DX Jukebox" at
 approx. 0140 on Thursdays. (Hirst) (Raylesberg) (Green) (Finigan) (Jenneman)
 11800 RAI, Italy hrd w/Eng. to N.America to 0120 close, //15385. (Raylesberg)
 9535 SBC, Switzerland hrd w/Eng. to N.America, 0115-0215, //5120 & 11715.
 (Raylesberg) (Green) (Bovee) (Jenneman) (Finigan) (Zucchi)
 9580 R. Cairo, UAR hrd at 0130 w/Eng. to N.America. Move de 9595. (Finigan)
 7330 R. Moscow hrd w/Eng. to N.America, //7310 & 7200. (Finigan)
 4955 R. Nacional, Colombia hrd 0130 with Spanish ID. (Green)
 9640 D. Welle, Koln, GFR hrd 0130 w/nx. 9605 at 0145 w/German prog. (Green)
 9833 R. Budapest, Hungary noted 0140 w/"In the Paper". (Green) //11910 (Getman)
 11810 R. Bucharest, Rumania hrd 0145-0215 w/contest nx, ID, news and answers
 to listeners. (Sgrulletta)
 17340 R. Australia's Eng. xmsn to N.A. now audible here, 0100-0300, //15220/
 which is weak. (Finigan) 15220. (Poulis) 17340 (Bovee)
 15115 KCJB, Ecuador hrd 0130 in Spanish. 9745 hrd w/English prog. (Getman)
 11920 R. Berlin Int., GDR hrd w/Eng. to N.A., 0100-0130, then German to 0200.
 (Getman) //11890. (Bovee)
 4820 R. Evangelica, Honduras noted w/Sp. programming & instr. mx. (Coulouras)
 3515 ORTF, Martinique tuned 0130 in French. (Coulouras)
 3265 R. Demorara, Guyana hrd w/Eng. program from the BBC. (Coulouras)
 11760 LBS, Lebanon noted 0130-0200 in French. (Zucchi) (Finigan)
 9700 R. Sofia, Bulgaria noted at 0100 s/on in English. (DeHart)
 17090 R. Peking, China hrd w/English xmsn to N.America. Very poor. (Finigan)
 11800 RNE, Canary Islands hrd 0140 w/Spanish talks. QRM de RAI, 11810. (Finigar)

0200 17720 BCC, Taiwan hrd 0255-0355, //15345. (Balbi)
 11880 R. Sweden hrd 0230-0345 to WCNA, Eng. at 0315-0345. Almost entirely
 over-ridden by XEHH, Mexico City. (Rowell) (Noznick)
 15125 Voice of Free Korea hrd in Korean. English at 0230. (Rowell)
 11760 LBS, Lebanon hrd w/Eng. 0230-0300. Is on 0130-0400 in Eng., French,
 Arabic & Spanish. (Rowell) (Lindgren) (Douglas) (Noznick) (Coulouras) (Taylor)
 & (Finigan).
 5985 R. Portugal, Lisbon has moved here from 5975. (Jaar) 6185 hrd. (Getman)
 5980 R. Panamericana, Lima. Peru hrd w/good sigs 0230 & later. QRM'd. (Jaar)
 4755 La Voz de Bolivar, Guaranda, Ecuador is now being hrd around 0230. (Jaar)
 9590 R. Nederland, Bonaire hrd 0212 ending "DX Jukebox". (Hirst) Hrd with
 news and vacation tips. (Bovee)
 9510 BBC, England hrd w/N.A. svc. to 0245, then switched beam to S.America,
 cutting signal in half. (Hirst)
 17840 R. Australia hrd w/"DXers Calling", 0240-0255, //15220 is sometimes
 better. (Hirst)
 17825 R. Japan hrd 0250-0300 s/off. Announced as on 0200-0300 in Eng., Spanish
 and Japanese. (Hirst)
 9590 R. Bucharest, Rumania hrd w/Eng. to N.A., 0220-0225, then "knocked out"
 by R. Nederland IS. (Raylesberg)
 11990 R. Prague, Czechoslovakia hrd w/Eng. to NA to 0255, //9505., 5930, 7115
 & 7345. (Raylesberg) 11990 (Getman)
 15050 R. Libertad, clandestine, hrd 0253 W/Eng. & Spanish ID. (Noznick)
 9390 R. Tirane, Albania noted 0239-0330 s/off in English. (Noznick)
 3300 R. Belize, Br. Honduras hrd 0234 w/Eng. pop mx. Much QRM. (Noznick)
 9545 D. Welle, Koln, GFR noted w/Eng. 0210-0215, then German, (Getman) 11945
 noted 0203 with music and news. (Bovee)
 15280 R. New Zealand hrd w/Eng., good signals in the Midwest, //15110 from
 0200-0300, then covered by VOA. Xmsn is to Australia & Pacific. (Carlson)

0200 15000 WWVH, Hawaii time signals tuned 0230. (Grenier)
 9502 R. TV Dominicana, Dom. Rep. hrd w/Spanish programming. (Coulouras)
 9680 R. Moscow, USSR hrd 0200-0230 w/nx, commentary & request mx. (Patton)
 11715 SBC, Switzerland noted with English to North America. (Field)

0300 17720 BCC, Taipei, Taiwan on this new freq. w/English to N.America. (Sparks)
 9715 VOA, Woofferton, England hrd at 0300 s/on, then prog. in foreign language. (Sparks)
 11780 R. New Zealand hrd 0330-0545 in English. (Rowell)
 4955 R. Nacional-TV, Bogota, Colombia noted 3/8 at 0335 w/Sp. nx. (Rowell)
 11900 R. Moscow, USSR now here with Eng. to ECNA at 0300-0330. (Rowell)
 //9685 & 9700 (Douglas) 9670. (Irace)
 9690 RAI, Argentina hrd 0355 w/Eng. nx, into Sp. at 0400. (Rowell) Hrd at 0315 w/Spanish ID & mx. (Douglas) 0330 (Finigan)
 11710 KCFI, San Francisco hrd 0330a-0430 in Spanish & English. (Rowell)
 15430 Austrian Radio hrd at 0330 s/on to Central & E. South America. (Rowell)
 9770 hrd at 0330 s/on to ECNA w/Eng. ID & other languages, then music program, talk in unid. language. (Field)
 2495 HCCB4, Esmeraldas, Ecuador hrd from 0337 w/Latin vocals & some teen mx to 0401 closedown; an ID at 0357 was not readable. Some splatter from WWV. SCLX says this is La Estacion de la Alegria; WRTH lists R. Nacional Espejo for the same call-sign. (Hill)
 17741 Karachi, Pakistan weak at 0355 in Urdu or similar; ID'ed at 0400 in same lang. & started to fade badly. Nil on 11885. FBIS lists 17745. (Hill)
 17835 R. Peking, China announced "Govorit Pekin" at 0343 & 0353 during session in Russian. Very weak and deep QSB. (Hill)
 5900 La Voz del Norte, Ecuador hrd 0303 w/music and talk. (Dexter)
 3382 R. Barcelona, Venezuela noted 0335 w/ID's, mx & ads. (Dexter)
 4895 R. Bahia, Brazil tuned 0345 with music and ID's. (Dexter)
 5950a R. Zelaya, Bluefields, Nicaragua moved here. Sked daily 1130-0400. Heard often here in Haiti. (Jaar)
 4795 La Voz de los Caras, Bahia, Ecuador good here around 0330. (Jaar)
 11880 R. Sweden hrd 0315-0345, w/"Sweden Calling Dxers" on Tuesdays. (Hirst)
 11865 RAI. Italy hrd at 0325 w/s-off in Spanish. 11810 hrd at 0305 w/s-off in Italian. (Hirst) 9630 hrd w/Spanish to Latin America. (Field)
 17775a Riazan, USSR hrd at 0300 s/on to WCNA. Anned sked as 0300-0730 on 11750, 11850, 9540, 9750. Also at 0300-0330 on 17770 and 0300-0400 on 15140 & 15130. (Hirst) 15130 hrd. (Finigan)
 11990 R. Prague, Czechoslovakia hrd, //9505, weak & buried, 7345 & 7115 not audible. (Hirst)
 11850 R. Norway hrd 0305 w/Eng. ann., then Norwegian. (Hirst) (Green) (Sgrulletta) //15175. (Poulis)
 11880 XEHEI, Mexico City hrd 0332 giving ID as "XERH". Relaying MW? (Hirst) Believe all programming comes from the XERH MW outlet, relayed on SW by XEHH, 11880 and XERR, 15110. (Ed.)
 9570 R. Bucharest, Rumania hrd 0303 w/Eng. nx & comment. (Douglas) (Poulis)
 11890 R. Berlin Int., GDR hrd w/mailbag to 0300 s/off. Gave address & ID at close, then anthem. (Sgrulletta)
 11820 TWR, Bonaire hrd 0337 w/ID, then mx to 0345. (Sgrulletta)
 6135 R. Havana Cuba hrd w/Eng. to N.A. (Finigan) 9525 noted 0330. 6135 at 0345. (Bovee)
 15105 R. Japan hrd w/Eng. nx to 0315, then Japanese. (Poulis)
 15180 Petropavlovsk, USSR hrd in Eng. 0355-0400 s/off. (Poulis)
 15220 R. Australia noted 0330 w/Eng. to Africa. Nx at 0345, //17820. (Poulis)
 11950 R. Ministerio Educacao, Brazil tuned w/OM talking in Portuguese. (Field)
 11950 D. Welle, Koln, GFR hrd w/English to SE Asia. (Field)
 9645 TIPC, San Jose, Costa Rica hrd w/religious mx to 0300, then request for letters and reception reports. (Field)

- 0300 9412 R. Americas, Lima, Peru noted 0315 w/mx prog. inc. English selections. (Field)
- 9700 R. Sofia, Bulgaria hrd 0340 with Spanish transmission. (Field)
- 6180 TGWB, Voz de Guatemala tuned 0315 w/marimba mx. Do they verify? 4 reports inc. tape have brought no reply. (Field) Hrd 0330 w/talk & mx. (Finigan)
- 11715 SBC, Switzerland hrd w/Spanish to Central & South America. (Finnigan)
- 0400 9700 R. Sofia, Bulgaria hrd with English news. (Sparks) (Bovee)
- 12185 BBC relay station hrd daily relaying BBC European Svc. in SSB. (Sparks) 15445 hrd in Arabic, ID 0500 as "Huna London". Also 15430 hrd 0430 in Arabic. (Hirst)
- 5055 YVKD, R. Cultura, Venezuela hrd w/L.American mx & Sp. ID. (Sparks)
- 4960 YVQA, R. Sucre, Venezuela hrd w/special late program of LA music on 5/15. (Sparks)
- 15370 ETLF, Ethiopia now on this new freq. w/Arabic prog. after Eng. s/on & ID. (Sparks) Beamed to Gulf & Arabian Peninsula on Tues., Wed. & Thursdays. (Leuchtefeld)
- 9665 R. Kiev, Ukraine, USSR hrd 0430 w/English nx for N.A. & pop mx. (Sparks)
- 15520a R. Pyongyang, North Korea hrd 6/9 w/English at 0430. (Sparks)
- 21540 R. Australia hrd 0405-0800 w/Eng. to S. Asia. (Rowell) 15240 noted 0410 with news, then jazz music. (Poulis)
- 15475 R. Cairo, Egypt hrd 0415 in Arabic, on 6/5. (Rowell) 9758 partially readable w/Koran chanting 0415-0455 thru severe QRM de Moscow on 9760. Probably this is station recently reported in Fren dx as Omdurman. No ID heard, but fits WRTH/66 listings for Cairo. (Hill)
- 11715 SBC, Switzerland hrd 0415-0545 to WCNA. Eng. to 0515, then either Swiss German, Italian or French. (Rowell)
- 15160 R. Ankara, Turkey hrd 0430-0700 in Turkish on 6/6. (Rowell) 15155. (Hirst) 15160 hrd. (Finigan)
- 11840 R. Portugal noted 0455 in Portuguese. (Rowell)
- 2455 Lusaka, Zambia made a surprise appearance on 6/1 at 0405 w/Eng. nx in progress, then weather report at 0413. // 3346 was barely audible thru strong Latin American QRM. (Hill)
- 9766 R. Budapest, Hungary suffers intense BBC QRM on this new channel at 0430 w/nx in English. Freq. is listed in FBIS but not WRTH. (Hill)
- 9768 Leopoldville, East Congo is assumed to be identity of station logged 0440 playing Congolese-type instrumentals, cut off at 0452 without any announcements. (Hill)
- 15430 Austrian Radio hrd w/ID's in various languages. 15430 ann'd as for East coast of S. America. (Peters) (Jaar) 0430-0500 (Hirst) Ann'd // 6155 to ECNA but not hrd. (Hirst) (Finigan)
- 5970 R. El Sol, Peru hrd 0435 w/mx, world & Peruvian nx at 0500. (Dexter)
- 4910 E. Gran Colombia, Ecuador hrd 0430 w/Sp. mx & many ID's. (Nordgren)
- 5954 R. Casino, Puerto Limon, Costa Rica hrd daily. Noted 0400 relaying VOA Spanish transmission. (Jaar)
- 15110 R. New Zealand hrd w/rugby game to 0445. (Hirst)
- 15490 Orenburg, USSR hrd w/classical mx & Russian language. Weak. (Hirst)
- 15425 VLX15, Perth, Australia hrd 0438 with news. (Hirst)
- 15140 USSR zmtr, location unknown, ann'd // 11850 & 9730. 15130 not hrd for several days. May be directed to Australia & S. Pacific. (Hirst)
- 15140 BBC, London World Svc. hrd on this frequency after 0445. (Hirst)
- 11950 ELWA, Liberia hrd w/Eng. ID 0459, then foreign language. (Lindgren)
- 6115 R. Union, Peru hrd 0435 w/Sp. ID by YL. Guitar mx & singing often hrd. (Lindgren)
- 6040 La Voz del Tolima, Colombia hrd 0400 w/ID by OM, then s/off & national anthem. (Lindgren)
- 15115 HCJB, Ecuador hrd w/Eng. religious program 0419-0430 s/off. (Douglas)
- 11820 TWR, Bonaire hrd 0450 w/Program featuring "DX Special". (Irace)

0400 6090 R. TV Dominicana, Dominican Rep. hrd 0423 w/instr. music. (Noznick)
 15050 R. Libertad, clandestine, hrd 0415 w/American mx, ID at 0437. (Poulis)
 4780 R. Atahualpa, Quito, Ecuador hrd with musical program. (Field)
 6030 CFVP, Calgary, Alb., Canada hrd 0415 w/"Old Timer's Show" each Sat.
 Nx at 0500. Inaudible in earlier evening hours due to VOA on same
 frequency. ID's as "CFCN-1060". (Field)

0500 17855 Austrian Radio hrd w/xmsn to Far East to 0700. Announces 15410, 7245,
 & 6155. (Balbi)
 17780 BCU, Taiwan hrd in unid. language to SE Asia, // 17720 & 15345. (Balbi)
 9610 D. Welle, Koln hrd to 0550 s/off in Arabic. (Balbi)
 4820 R. Luanda, Angola hrd w/pop music and Portuguese. (Sparks)
 6020 XEUW, Mexico hrd w/pop mx & ID, followed by 0600 s/off. (Sparks)
 5980 R. South Africa hrd daily w/Eng. nx to Zambia. Good sigs. (Sparks)
 6030 CFVP, Calgary, Alb., Canada hrd relaying CFMN-1060 w/music, news and
 ads. (Rowell)
 9519 OAK4J, R. La Cronica, Lima, Peru caught w/ID during live-entertainment
 prog. at 0536. Had "sloperover" from Havana, 9525 which was staying on
 all night because of the "latest provocations of the American imperial-
 ists", on 6/5. (Hill)
 21540 R. Australia, on 6/5, was still coming thru solidly at the amazing
 hour of 0515 w/Polynesian songs. That is long after 21 mcs is usually
 dead here. (Hill) 17870, // 17820 & 15220 to Africa & Madagascar.
 French heard after 0515. (Hirst)
 4870 Cotonou, Dahomey, good & clear at 0545 w/French songs. (Jaar)
 15425 VLX15, Perth, Australia hrd 0517 w/good sig. Hrd almost nightly. (Hirst)
 15400 ETLF, Ethiopia hrd w/IS at 0520, ID at 0530. (Hirst) 11830 hrd 0500-
 0530 w/xmsn for later use, as announced by ETLF. Gave ID & address for
 reports, then a Bible reading. (Sgrulletta)
 15390 BBC, England hrd 0525 in French w/English lesson. (Hirst)
 6195 Tentative logging of R. Tunis, Tunisia hrd w/chants 0502-0516. Poor
 signal. (Douglas)
 6180 Voz de Guatemala hrd w/Spanish ID and talk. (Douglas)
 5047a Rdf. du Togo, tentative, hrd 0530-0600 w/mx & talks in French. (Sgrulletta)
 Heard 0530 w/music. (Gotman)
 15240 R. Berlin Int., GDR hrd 0530 w/IS, very strong. (Finigan)
 4980 R. Ghana hrd 0530 in English. Weak. // 3330. (Finigan)

0600 17845 D. Welle, Koln, GFR hrd w/s-on & Eng. nx to Africa, // 15275. (Balbi)
9735 hrd w/Spanish to S. & C. America. S/off w/"Auf Wiedersehn" tune
 at 0625. (Gotman)
 9690 Leopoldville, Congo hrd 6/13 w/French news 0630-0645 s/off. (Balbi)
 7210 Dakar, Senegal hrd w/s-on in French. (Balbi) (Rowell) 4890 outlet hrd
 in Arabic. (Balbi)
 11950 ELWA, Liberia hrd w/BBC nx on weekdays. Hrd Sundays only on 11970 to
0950. (Balbi) 11950 hrd 0630 w/Eng. sermon & hymns. ID 0645. (Peters)
 15125 Voice of Free Korea hrd w/Eng. at 0630, French 0700-0730. (Rowell)
 9760 R. Ghana, Accra heard with English news. (Hirst)
 9730 R. Brazzaville, Congo hrd 0615 with English news. (Hirst)
 9720 Springbok Radio, South Africa hrd 0630-0635 w/nx in Afrikaans. Usually
 in English...what gives? (Hirst)
 6000 R. Americas, Swan Island hrd 0655 w/Sp. talk. Sp. & Eng. s/off at 0701.
 (Douglas)
 6125 United Nations Radio, New York (via VOA) hrd 0630 w/news. (Grenier)
 15330 SBC, Switzerland hrd with strong IS. (Finigan)

0700 15250 AFRTS, Poro, Philippines hrd w/Eng. nx & sports. Move from 15210. (Balbi)
 15120 Polish Radio hrd w/s-on in Polish, Eng. nx 0730. Hrd irregularly. (Balbi)

0700 11905 BBC, Cyprus relay hrd irregularly w/Eng. nx. QRM'd by Kigali. (Balbi)
 9660 VOA, Liberia hrd in French to 0800 s/off. (Balbi)
 9720 R. South Africa hrd w/English and ads. (Balbi)
 17855 Austrian Radio hrd w/S.Asian xmsn. Sked 0500-0900. (Rowell)
 17845 D. Welle, Kigali hrd 0730-0840 to S.Asia in Hindi & Urdu, // 15275 & 11795. (Rowell)
 17825 R. Norway hrd 0745-0815 in Norwegian. (Rowell)
 17890 BBC, London hrd 0740 w/Eng. nx, // 17810 & 17790. (Rowell) 17715 hrd relaying R. Canada to Africa w/Eng. 0730, French at 0800-0815, // 15390 & 11800. (Rowell)
 9625 R. Canada hrd w/xmsn to Europe, Eng. 0730, French 0800-0815, // 5990. (Rowell) 5990 hrd. (Douglas)
 9502 R. TV Dominicana, Dominican Rep. noted 0730 w/Sp. ID & mx. (Rowell)
 9500 R. Magadan, USSR heard with Russian music. (Rowell)
 4890 ABC, Port Moresby, New Guinea hrd 0758 w/story in Eng. ID & mx at 0800. (Douglas)
 9520 VLT9, Papua hrd 0700-0715 s/off, when announced time as 5:15, said would s/off but return in 15 minutes. Great sig. for 10 kw. (Sgrulletta)
 9540 R. New Zealand hrd w/English transmission. (Finigan)
 6050 HCJB, Ecuador noted w/English programming. (Getman)

0800 17840 R. Peking, China hrd 0830-0930 w/Eng. to N.Zealand, // 15435. (Balbi)
 17825 R. Norway hrd in unidentified language, // 15175. (Balbi)
 15315 VOA, Liberia hrd in unid. language to 0830 s/off. (Balbi)
 6540 R. Pyongyang, N.Korea hrd w/Eng. s/cn. Moved from 7580. (Balbi)
 9625 R. Canada hrd w/Australasian xmsn, Eng. at 0830-0930, // 5970. (Rowell) 5970 hrd. (Douglas)
 9620 ZYR96, R. 9 de Julho, Sao Paulo, Brazil observed 0810 w/Ads & announcements in Portuguese & Japanese. Portuguese ID at 0814. (Hill)
 9502 R/TV Dominicana, Dominican Rep. hrd 0815 w/classical mx. ID & pop mx at 0850. (Douglas)
 15340 R. Havana Cuba hrd 0830 w/Sp. ID & frequencies, // 15155. (Douglas)
 7190 R. Australia hrd 0802 w/classical mx & English ID. (Douglas)
 7140 R. Ambon, Indonesia hrd 0808 w/pop mx & ID by YL. Very weak. (Douglas)
 6070 CFRX, Toronto, Canada hrd 0843 w/music and ID. (Douglas)
 9525 R. Nederland hrd 0820 w/Eng. s/off. Target area unknown. (Sgrulletta) Is xmsn to Australia, New Zealand & Pacific areas. (Ed.)
 15300 R. Japan Gen. Svc. hrd 0811 w/Eng. nx, Japanese ID 0815. 15135 European Svc. noted 0825, // 15105 & 15195, w/talk on Japan. (Douglas)

0900 17870 D. Welle, Koln, GFR heard 0920 in German. (Balbi)
 15435 BBC Far East St., Malaysia hrd w/s-on, BBC nx 0915, // 17880, 11750 & 11955. (Balbi)
 9505 R. Japan tuned 0952 w/Japanese ID & freq.'s. English at 1000-1100, // 11815 & 15300. (Douglas)

1000 9760 Voice of Vietnam, Hanoi tuned 1002, nx in Eng. ending at 1015, // 11760 but stronger. Believe this is new time for English? (Hill)
 9685 VOFC, Taiwan hrd 1036 w/Eng. talk, mx. ID & s/off in Eng. at 1045, then into unid. language, // 7130, 9655, 11825, 11860. (Douglas) 9655 (Finigan)
 9380 R. Alma Ata, Kazakhstan SSR hrd 1027 w/mx, talk, ID's in unid. language. (Douglas)
 6090 R. TV Dominicana, Dominican Rep. hrd w/ID & Spanish news. (Douglas)
 3335 R. Wewak hrd w/Eng. nx 1006, unid. language 1010. IS is music on a stringed instrument. QRN. (Douglas)
 9610 ABC, Perth, Australia hrd 1030 w/sports news. (DeHart)
 9525 R. Havana Cuba noted 1030 w/Eng. s/off. Ann'd that "due to further US provocations on Cuba" would extend sked from 0230-1030. (DeHart)

- 1100 15320 CBC, Canada hrd 1129 w/Eng. ID, then French in Northern & Armed Forces Services. (Douglas)
 6165 Tentative logging of R. Thailand, hrd 1132 w/chants by woman. Blocked by xmtr on same freq. & not hed after 1155. (Douglas)
 6045 RRI, Djakarta, Indonesia hrd 1148 w/mx, language talk, ID & 6 time blips at 1200. Also hrd 6/5 at 1200 w/talk in language. (Douglas)
 9865 hrd w/English & 6-note IS on piano. Poor. (Finigan)
 4890 VLT4, Papua hrd 1130 w/Eng. nx, mx & comedy skit. (Finigan)
- 1200 6077 HRMH, La Voz del Junco, Santa Barbara, Honduras noted at 1207 w/ID's & time checks in Spanish. (Hill)
 11290 R. Peking, China hrd in Chinese, //11330. 11290 signed off at 1620 after news in Chinese. (Feters)
 11920 DZF2, FEBC, Philippines hrd 1230 w/Eng. religious prog. (Nordgren)
 Hrd 1245 with English ID. (Hirst)
 15185 R. Finland hrd w/Eng. DX prog. & mx requests on Saturday. Very low key & hard to read announcer. (Hirst)
 15165 R. Denmark hrd w/listening test on 5/24 & 5/25 w/fair sig., barely audible on 5/26. (Hirst)
 15155 ELMA, Liberia hrd in French, ID at 1244. (Hirst)
 4890 VLT4, New Guinea hrd 1255 w/comedy prog, nx after time check at 1300. (Lindgren)
 9670 R. Japan hrd 1227 w/IS & Eng. (Douglas) Listed freq. is 9675. (Ed.)
 9600 R. Tashkent, USSR hrd with English to the United Kingdom. (Finigan)
 9580 R. Australia hrd 1215 w/Eng. to N.America, music & news. (Finigan)
 15320 R. Canada hrd 1215-1313 w/nx & "Listener's Corner". (Patton) "Listener's Corner" on Sundays. (Ed.)
- 1300 11760 R. Hanoi, N.Vietnam good in Eng. after 1300, the native language. (Jaar) (Coulouras) How do you get QSL from this station? (Coulouras) Send report via Radio Peking, China. There is no direct mail service between the USA and North Vietnam. (Ed.)
 3255 R. Sol, Higüey, Dominican Rep. still here from 3265 for several months. (Jaar)
 17890 R. Pakistan, Gen. Overseas Svc. hrd w/Eng. nx 1336-1350 s/off. (Bovee) & (Leuchtefeld)
 11697 "Can't Buy Me Love" clandestine heard. (Finigan)
 17725 VOA, Liberia noted at 1300 s/off. New frequency? (Getman)
 9502 R.TV Dominicana, Dominican Rep. hrd 1330 w/Sp. music & talk. (DeHart)
- 1400 13780a R. Pyongyang, N.Korea hra at k400 w/Eng. nx, 1500 in French. (Sparks)
 3225a Voz de la Libertad, Puerto Plata, Dominican Rep. still on this freq. (Jaar)
 15185 R. Finland hrd w/s-off at 1445 in Eng., French, Spanish & German. (Hirst)
 15175 R. Norway hrd w/Eng. program to N.America. (Finigan) Sundays. (Ed.)
 9600 R. Tashkent, Uzbek SSR hrd w/English xmsn. (Finigan)
 17910 R. Ghana hrd w/mx "Africa Today" to 1430 s/off. (Bovee)
 15115 HCJB, Ecuador noted 1458 w/mx, then s/off. (Bovee)
 15440 WNYW, New York City tuned at 1430. (Finigan) (Ed.)v
 15420 R. Sweden hrd 1400-1430 w/Eng. xmsn to ECNA. (Finigan) Also at 1445-1515.
- 1500 9575 All-India Radio hrd w/Indian mx, Eng. nx at 1530. (Sparks)
 15330 AFRTS, USA hrd 5/30 w/"Indianapolis 500" race, 1545-2100. 15440 better after 2000. (Hirst)
 9502 R.TV Dominicana, Dominican Rep. hrd w/Spanish mx & ID. (Green)
 17830 SBC, Switzerland noted 1515 w/nx & mx to Middle & Near East, (Bovee)
 9655 R. Havana Cuba hrd with music & ID (Bovee)
 15175 R. Norway hrd with Norwegian programming. (Coulouras)
 15110 XERR, Mexico City hrd w/usual Spanish programs. (Coulouras)

- 1600 11800 R. Ceylon, native Comm. Svc. heard to 1730. (Rowell)
 15298 Lourenco Marques, Mozambique seems to have shifted here from 15292; checked at various times between 1640 & 2003 s/off, all Portuguese. Had 4 chimes at 1700. (Hill)
 15400 ETLF, Ethiopia caught at 1625 s/off following a program in native. Closing ann, in English. Can't find in schedules. (Hill)
 17845 D. Welle, Koln, GFR hrd w/English ID at 1600. (Raylesberg)
 17835a R. Moscow, USSR hrd 1600-0630 w/Eng. to SE Asia. (Raylesberg)
 17830 SBC, Switzerland hrd w/"Swiss Merry-go-Round" to 1610 close, then Italian, //11880, 16255 & 15305. (Raylesberg) (Bovee)
 15425 R. Nederland hrd 1615 with English s/off. (Green)
 15110 XERR, Mexico City hrd w/Sp. ads & mx at 1615. QRM de HCJB. (Noznick)
 21670 VOA, Liberia noted 1600-1700 w/mx & "African Panorama". (Bovee)
 11735 VOA, Philippines noted 1630 with news. (Grenier)
 15175 R. Norway, Oslo noted w/Eng. program. (Zucchi) Sundays only. (Ed.)
- 1700 17845 SBC, Switzerland hrd at 1730 s/cn w/French to Africa, //17830. Arabic at 1200. (Balbi)
 15135 Vatican Radio hrd with English on this new frequency. (Balbi)
 11835 FEBC, Philippines hrd w/Russian religious program, //11890. (Rowell)
 9740 D. Welle, Kigali, Rwanda heard with news. (Bovee)
- 1800 11697 Clandestine w/"Can't Buy Me Love", non-stop, hrd on 6/1, 1820-1848. Hrd irregularly. (Rowell) 11410 hrd. (Noznick)
 21470 BBC, London hrd 1810 w/Eng. nx, //21710. (Rowell) 15070 hrd 1829 w/drum IS, then French. (Douglas)
 21495 R. Portugal hrd w/"Voice of the West" in Eng. 1815-1915, //17880. (Rowell)
 17860 RTB, Belgium hrd 1830-2100 w/French & Flemish to Africa. (Rowell)
 17845 SBC, Switzerland hrd 1800-1830 w/Arabic to Africa. (Rowell) (Poulis)
 2460 Port Villa, New Hebrides hrd w/tirade in Scandibeobian against NASA going SWEC. Charlie Loudenbocmer was speaker...hi! (Peters)
 11720 CBC, Canada hrd 1832-1915 w/Eng. xmsn to Africa, //15320 & 17820. Best on 11720 here. (Poulis) 15320. (Jeaneman)
 15440 WNYW, New York City noted with music. (Bovee)
- 1900 15295 ORTF, Paris hrd w/French nx to 1920 s/off. (Balbi)
 15060 R. Peking, China hrd with French programming. (Balbi)
 17805 D. Welle, Kigali hrd 1900-1945 w/French to W.Africa. QRM de Radio Free Europe. (Rowell)
 17825 R. Norway hrd 1900-2030 in Norwegian. (Rowell)
 11672 R. Pakistan hrd 1935 w/English to the UK. Fair here. (Finigen)
 9475 R. Cairo, Egypt hrd 1930 w/French to Europe. (Coulouras)
 9560 R. Sofia, Bulgaria tuned 1930 w/English & rock&roll music. (Coulouras)
- 2000 17690 R. Cairo, UAR hrd 2000 w/Eng. "Voice of Africa" prog. (Sparks) Heard 2030-2215, then Arabic to 2300. 17920 hrd w/Arabic program to 2300 s/off. (Balbi)
 11755 Erevan, Armenian SSR hrd Sat. only w/language at 1930, then English 2020-2030 s/off. Moscow relay. (Balbi)
 17860 RTB, Belgium hrd w/pop mx in French & ID. (Sparks)
 12020 R. Moscow, USSR noted ending xmsn in French at 2057. At 2100, had clock chimes for midnight & left the air. (Hill)
 15130 R. Havana Cuba hrd w/Sp. for Mediterranean. 15155 hrd w/nx & mx. (Green) (Zucchi)
 15320 CBC, Canada hrd w/s-on. in French for Europe. (Green)
 11730 R. Nederland hrd w/Eng. xmsn. (Louchtefeld) 11950//15425 hrd 2035 w/xmsn for N/EB st.'s. (Wallin) 15425 hrd 2000 w/nx in Dutch. (Grenier)

- 2000 9725 Kol Israel hrd 2030 w/English talks. Poor here. (Finigan)
 9760 R. Ghana noted 2030 w/English commentary. (Bovee) (Coulouras) (Kohser) & (DeHart)
 15190 R. Brazzaville, Congo hrd 2030 w/French to Africa. (Coulouras)
 9655 D. Welle, Koln, GFR hrd 2050a with English news. (DeHart)
- 2100 15044 An unannounced & possibly spurious outlet of WIBS, Grenada was hrd 2130 following a religious b/c. Annc. specified 15105 only. (Hill)
 12010 R. Peking, China hrd 2130 w/Chinese song; unable to recognize lang. owing to heavy CW QFM from a marker station sending non-stop "dits". C.M.sca at 2125 w/the "Internationale". (Hill) Also see below.
 12290 The second harmonic of Vatican Radio, 6145 hrd from 2145 in a Slavic lang. w/familiar IS at 2200. QFM'd on the harmonic freq. but clear on the fundamental. (Hill)
 7215 All-India Radio, Delhi's new External Svc. xmsn was intercepted from 2150 during a program of Indian vocal mx & comments in Eng. Nx was b/c at 2200 following an ID. (Hill)
 11838 ZKX32, R. Jornal do Comercio, Recife, Brazil found to have moved here from 11825 & badly squeezed between 4VEH & Lisbon after 2135. Seemed // 1505, but difficult to read. ID hrd at 2128. (Hill)
 9009 Kol Israel, Jerusalem new sked for Hebrew on Sunday, s/on at 2115. (Jaar) (Finigan)
 11720 R. Canada hrd w/news and music. (Green) (Patton) (Bovee)
7315 Add to Peking above...7315 provided poor reception when tuned 2124 & hrd IDing in French as "Ici Radio Peking", closed 2125 after the "Internationale", but returned 2150 for another French xmsn. (Hill)
 11800 R. Nacional de Espana, Canary Is. hrd 2103 w/Spanish. (Noznick)
 11795 WINB, Red Lion, Perma., USA hrd w/"Life Line" program. (Wallin)
 11780 BBC, England hrd 2114 s/on to N. America. Said 15300 was signing on at same time. (Wallin)
 11730 R. Nederland noted w/disc nx & program parade 2130-2150 s/off. (Bovee) Hrd 2100-2150, // 15425. (Jenneman)
 9560 R. Sofia, Bulgaria noted 2130 w/nx & ID. (Bovee) 9700 hrd w/African Svc. in English. (Field)
 17780 United Nations Radio (via VOA) hrd 2115 w/Security Council. (Grenier)
 5047 R. Lome, Togo hrd w/15-minute English news broadcast. (Coulouras)
 4980 R. Ghana tuned 2110 in English. QFM'd. (Zucchi)
 15175 R. Norway hrd w/IS, then ID's in several lang.'s inc. Eng. (Kohser)
- 2200 15285 VOA, Tangier hrd 5/29 w/special b/c about Navy's Seahawk II program; closed down 2245. Not listed in skeds, possibly a feed to Rhodes. (Hill)
 11570 R. Moscow, USSR was observed using this freq. for Home Svc. in Russian at 2232, but then switched to N.A. Svc. at 2300. Gave 31 & 41 m.b. channel but did not mention 11570. (Hill) 7250 hrd 2200-2230 w/nx & commentary. (Patton)
 12350 Another 2nd harmonic noted was that of Algiers, 6175 during Eng. nx at 2210. Again fundamental considerably better than harmonic. (Hill)
 15160 R. Ankara, Turkey noted w/Eng. nx, features & mx, 2200-2230. (Nordgren) (Raylesberg) (Taylor) (Kohser) (Noznick) (Bovee)
 7285 Polish Radio, Warsaw hrd 2230 w/French to Africa, // 7125. (Jaar)
 9502 R. TV Dominicana, Dominican Rep. recently has been active 24 hours a day. (Jaar) Announces so on the air. (Ed.) Hrd 2210 w/drama. (Noznick)
 9745 R. TV Belge, Belgium hrd w/program in Dutch and French. (Green)
 11720 CBC, Canada hrd 2259 w/IS, ID & Eng. nx, // 9625. (Douglas)
 11915 R. Cairo, Egypt hrd w/nx & mx, // 9595. (Noznick) 9475 hrd w/Eng. nx & commentary. (Poulis)
 6175 R. TV Algerienne, Algeria hrd 2210-2230 in Eng. w/music & talks, then into French. (Sgrulletta)

- 2200 4910 Conakry, Guinea hrd 2215-2230 w/nx, then mx, //9650. (Sgrulletta)
 11730 R. Iran, Tehran hrd 2230 w/English news and music. (Finigan)
 11710 R. Vilnius, Lithuanian SSR hrd 2230 w/Eng. xmsn. Much QRM, very poor.
 (Finigan) //9740. This xmsn Sundays only. (Pyatt)
 9600 R. Bucharest, Rumania hrd w/European xmsn 2230-2300. DX club at 2250.
 (Poulis) (Poulis) v
 9833 R. Budapest, Hungary noted 2220 w/Eng. comments on international fair.
 17840 WNYW, New York City noted 2255 with news. (Bovee)
 9760 R. Moscow, USSR noted 2225 with news. (Bovee)
 15240 KGEL, San Francisco hrd 2230 w/"Back to the Bible" in Eng. (Kohser)
- 2300 11950 PRL3, R. Ministerio da Educacao, Rio, Brazil hrd 2340 w/mathematics
 lecture in Portuguese. ID at 2352. (Hill)
 4794 R. Commercial de Angola, Sa da Bandeira is showing nicely around 2330
 w/soft orchestral mx & frequent comments in Port. S/off is 0000. (Hill)
 4820 CRSEZ, Emisora Oficial, Luanda, Angola hrd w/excellent sig. from 2315
 w/light mx. ID'ed at 2330 & continued w/some kind of dramatic offering.
 Stays on till 0100, according to WRTH. (Hill)
 5042 $\frac{1}{2}$ Bissau, Port. Guinea is thought to be the Portuguese-speaking st. noted
 6/3 leaving the air at 2359 after "A Portuguesa". If Bissau, this is a
 move back from 5017. (Hill)
 17825 R. Norway, Oslo uses this outlet now at 2300 in Norwegian. (Jaar)
 15285 Vatican Radio using this new outlet. Hrd 2300 w/Portuguese to Brazil,
 //15285. (Jaar)
 9625 CBC, Canada hrd 2320 on Saturday w/SWL Club. Not audible on 15190, bad
 QSB on 15190. (Hirst) 9625 hrd. (Wallin) 11725 hrd. (Patton)
 11710 RAE, Argentina hrd w/Eng. to Europe, nx, commentary & talks. (Raylesberg)
 15235 R. Beirut (LBS), Lebanon noted 2330 w/Arabic to S.America. (Poulis)
 17890 HCJB, Ecuador noted 2330 w/"Caribbean Call". (Bovee) (Grenier) //15115
 (Zucchi)
 9740 R. Moscow, USSR noted 2315 w/nx, mx & commentary. (Bovee) //7250. (Patton)
 17850 VOA, Honolulu, Hawaii hrd 2325 w/nx in Chinese & English. (Grenier)
 9580 VOA, Philippines noted 2310 with news. (Grenier)
 6015 R. Abidjan, Ivory Coast hrd w/music, then French nx headlines. (Coulouras)
 9510 BBC, London noted 2345 with music. (Jenneman)

This Month's SW Center Reporters

Robert Hill, D.C.	Peter Grenier, Calif.	Richard Wood, Indiana
Bob Taylor, W. Virginia	Dave Carlson, Missouri	Barry Deal, Nebraska
Mike Finigan, N. Carolina	Greg Bovee, Michigan	Del Hirst, Texas
Marlin Field, Michigan	Art Poulis, Mass.	Warren Nordgren, Ill.
John Patton, Pennsylvania	Robert Getman, Wisc.	Gerry Dexter, Wisconsin
Jerry Headen, N. Carolina	Edward Pyatt, S. C.	Frank Peters, Illinois
Peter DeHart, Pennsylvania	Dan Douglas, Texas	Sam Rowell, Washington
John Kohser, Pennsylvania	Andy Noznick, Ill.	William Sparks, Calif.
Phil Zucchi, Massachusetts	Ralph Irace Jr., Conn.	August Balbi, Calif.
Elias Coulouras, Massachusetts	John Sgrulletta, N.Y.	John Lindgren, Calif.
Richard Jenneman, Wisconsin	Alan Raylesberg, N.Y.	Victor Jaer, Haiti
George Zeller, Ohio	Dan Henderson, Md.	Gary Wallin, Iowa
Gregg Calkin, New Brunswick	Jerry Stuart, Okla.	Jerry Green, Virginia
Paul Classin, Alabama	Joe Fela Jr., N.J.	Mike Leuchtefeld, Ill.
Donald Jensen, Wisconsin	John Zaharek, Conn.	Bob Brickner, Penna.

Sincere thanks to all those reporting! Let's hear from even more of you next month to usher in NASA's first all-SWBC issue. 'Till then, good listening! 73.
 Send proper items, reports, etc. to appropriate editors! RON