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NORTH AMERICAN SHORTWAVE ASSOCIATION

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***** JUNE 1966 *****
NASA HEADQUARTERS 1503 FIFTH AVENUE, APT. 2 ALTOONA, PENNA. 16602.

"AGAINST THE STREAM"

Mr. A. E. Bear of the International SW Club, London, England, has notified an officer of the DX Listeners Club, Oslo, Norway, that his organization will not support the proposed European DX Council due the fact the DXLC did not support past anti-jamming campaign, which now, according to Mr. Bear, has proved to be successful, initiated by ISWC. Too, Mr. Bear claims the suggestion of the Council, to organize an International Gallop Poll (to find most popular radio station in the world) is nothing but plagiarism of the Popularity Poll originated by the ISWC years ago.

Now although this matter has no direct connection relative to NASA nor other clubs in North America, it does reflect on the hobby and it gives semblance of attitudes held by clubs in this hemisphere..in that they wont cooperate or agree to certain unifying ideas or proposals because of past happenstances best forgotten, and because they are not willing to share with other clubs, successes which can/will benefit all.

The proposed European DX Council is a want/need as opioned by Ellmann Ellingsen, ye Editor of the DX Listeners Club bulletin "DX News"; He voiced it sincerely and justly! He did so, not with merely his own club in mind, but with the combined clubs on the continent and in Scandinavia, hoping result would benefit the total. Mr. Ellmann is aware of the need for unity between clubs, for the good of the hobby; Alas there are those who allow petty/personal factors enter in. We have seen this same QRM or, if you will "anti-unity" idiom used here in the states many times in days gone by, such are still evident today, yet not as before, thanks to ANARC.

We would hope to see the European DX Council come into being; Perhaps one day it will enjoin, in ways, with our own ANARC and through cooperation of the two, will aid all clubs concerned, the hobby proper, become all the mre worthy, enjoyable, appreciable.
...Bill Eddings

NEW DX PROGRAM

The South African Broadcasting Corporation has introduced a DX program which is aired Fridays with their English service for Africa and Europe. Time is 2245; Frequencies are 9525//7270mHz. (DXW) It is possible these programs are edited and taped by the ace African DXer, Richard Gibney. Can anyone give us positive info thereto? (ed)

NEXT MONTH WE WILL ANNOUNCE THE RESULTS OF VOTING ON THE ALL SWBC MATTER. BE SURE TO SUBMIT YOUR BALLOT CARD BEFORE JUNE 15TH! EXERCISE YOUR RIGHT TO VOTE, DO IT NOW!!



FRENDX is the official publication of the North American SW Assn. It is not copyrighted. There are no subscriptions. Only active, in good standing members are entitled to receive copies.

Membership fee is \$4.00 per year (12 monthly editions of Frendx, via third-class mail.) or \$6.00 per year (12 monthly editions of Frendx, via first-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"

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REACTION ON VOTE RE ALL SWBC

It is still too early to give any definite facts on the voting now in progress, but a few words seems best be mentioned thereto, and should be taken seriously. Although the deadline for ballot cards to be received at Hdqs is June 15th, many are already in. Of these, there are a number who although anti the all SWBC change, specify they will nonetheless stay with NASA should the change become official as result of the majority of votes. Now what we are wondering is, do these members intend to stay with us and become "deadwood", being they heretofore had no real interest in SWBC...or are we to assume they intend to change their interests, become SWBCers? Too, there have been a few abstaining...not voting either way, yet specifying they wish to remain with NASA regardless. Another few anti the change specify they want a refund, if due them, should the change be voted in. And would you believe, one member returned his ballot card unmarked and unsigned, yet with an accompanying note saying he wouldnt vote because we were doing it undemocratically! He gave no explanation and has yet to answer letter sent him by Hdqs, asking he be good enough to do so. Though all the foregoing being of concern, none be equal that with respect to the many members who have yet not exercised their right to vote. Why the laxity we know not, but we do hope the larger percentage will vote, one way or another, even if at the last minute. Could be that one single vote will decide the issue altogether!! So if you be eligible, are one of the members who have not yet sent in your ballot card, do so as soon as you can; Those cards received after June 15th will not be counted (unless they bear postmark dated June 15th!)..and dont anyone write in saying its UNdemocratic!!!!

In several instances, letters sent in with ballot cards, gave opinions of members. One considers that should we go all SWBC, we are voiding the very meaning of our club motto. Another says that if we go all SWBC, we should then reduce membership fee. Still another suggests we merge with another club. One even comes up with the idea that we should stay a general club and "buy out" SWL News! (If the writer meant it as pun, I fail to see any humor in it whatsoever!)

Next month we will give complete statistics on the overall voting; Time being we think it best not to reveal anything thereto, however it can be said the trend is clear so far, and that if those members who have not yet voted/submitted ballot cards, do not do so by June 15th, the issue has already been decided. B.E.

NEW CLUBSWE COULD DO WITHOUT!

It has always been NASA policy to give a plug or notoriety to new clubs when info or data is received on such, but due the many failures in most newer organizations of late, we think our policy best be now altered. Henceforth we will mention new clubs only after they have proven worthy, have published bulletins and are known to be solidly organized sofaras staff and officers are concerned. We do this so as to "protect" both the new clubs and those who might be tempted to join them and due the fact we know of no less than three new clubs who, in the last few months folded before even getting off the ground. The hobby needs new clubs, but they need to prove they can satisfy that need!

Fortunately not all NASA members are also members of certain other clubs..but then unfortunately some are. What we mean is that two very prominent men (Non-NASA!!) have been "having a go" at one another in their respective club bulletins of late and such is certainly not good. It so is that both the men also do columns for commercial publications and each therefore have a following amongst the DXing ranks. Thus to read of their "going at one another" in club/hobby bulletins, it does much to misrepresent the hobby proper, and it is ruining chances for better cooperation, more friendly ties between clubs. We can see no place in our hobby or our clubs for professional jealousy! B.E.

FIRST VS HERTZ

AROUND THE CLUBS

There has been a lot of comment lately on the change in terminology proposed for cycles/hertz. Nothing I have read yet has actually gotten to the truth of the matter. The term "hertz" was proposed to honor a Heinrich Rudolph Hertz, famous German physicist, born in 1857. It is to be supposed that if this change catches on, in time it will be as commonplace to say hertz as it now is to say volts, farads, henries, etc. These are all terms named for the men who either invented the means of measurement or defined certain laws of basic electricity.

Born in Hamburg, Germany, Prof. Hertz became assistant to the great Helmholtz in Berlin, then became professor of physics at Bonn University. His principle works were electrical. He succeeded in propagating electromagnetic radiations which were predicted some 12 or 14 years previously by Maxwell. Too, he also measured their wavelength. Consequently electromagnetic waves were known as "Hertzian waves" and still are in Europe more so than in U.S. Of course we know now that they cover a very broad spectrum, so we tend to say radio waves or X-rays, or whatever, as a more descriptive term. The equipment used by Hertz generated a raw spark, and this is what Marconi started with to develop a wireless transmission. Hertz also was, in a way, a probable martyr to science as he died from what today would be diagnosed as radiation, or high frequency poisoning from constant contact with all types of unshielded radiation.

So what with the term Hertzian waves not being used much, I suppose this is why the International Federation decided to do a more permanent honor to Hertz.

There are probably many people who think hertz is German for cycle...it isn't! I think the term cycle should be kept as being more functional.....and I don't have a thing in the world against Doc Hertz.

(NASA member, Del Hirst)

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The NORTH AMERICAN SHORTWAVE ASSOCIATION heartily extends plaudits, salute and sincere congratulations to its brother club IX-INTERNATIONALE COMMUNICATIONS ASSOCIATION on the occasion of its second anniversary. To all officers, staff and supporting members, we say "Good Show!" and the best of luck and success in years to come. Bill Eddings

* * * * *

DXI. Now conducting its yearly popularity poll whereby it asks listeners throughout the world to vote for their five favorite SWBC stations, in order of popularity. It also asks listeners to designate favorites in such categories as: Best DV/SWL program, Best news coverage, Best musical program, and Best in variety of music. Mail should be sent to; DXI, P.O.Box 152, Newton, Mass.

CDXC. Glenn Hauser takes over the Utility section formerly done by E.E.Dave Bennett. Bruce Gibson named new Awards editor. Fred Woodley keeping certificate hunters informed and alerted on CHC and anti-K6BX bit.

WERC. Yearly/annual picnic-convention to be held June 18th at the Oak Tree Inn which is located a few miles west of Asbury Park, N.J. NASAs are invited to attend.

WIXA. Though just recently celebrating its first anniversary, this club already has members in thirteen countries.

ASWLC. Reacting to proposed report form as contained in previous "SWL", members are voicing disfavor emphatically. The "Novice Log" (containing reports/loggings of the more common and lesser DX stations) has now been dropped due lack of support. Space once used for said column was, in words of E.E.Stanbury, used for "garbage" in May.

NRC and IRCA. Both these all BCB clubs are now back to summer sked, thus publish only one bulletin per month rather than bi-wkly as in DX season.

A HELPING HAND SERVICE

Alberto Laveaga, Montenegro 831, Guadalajara, Mexico wants info on a good rx(new at discount or used reasonably priced). Pete Sils, 4170 W 219th St., Fairview Park, Ohio needs a 6A7 tube. Bill Stevens, 514 N.2nd St., Jeannette, Pa. looking for challengers for chess by mail.

NEW MEMBERS



NEW MEMBERS



- *Joe Pasinato, Jr., Santa Barbara, California. I am a native Californian, presently attending senior high school. Shack equipment includes an SX-43, S-120, Monitoradio PR-155, also a Technical LRR-6 and a Sony TR-812. Other gear is an Ampex tape recorder, model 860. Antennae are a 100' longwire and a ground plane. Latter used with the PR-155. I am interested in awards and contests. Other interests include music and electronics. NASA is my first club; I read about it in EI magazine.
- *Allen Angst, Milwaukee, Wisconsin. Am presently enrolled at the Univ. of Wisconsin. My age is 19, I am single. Using a Hallicrafters S-120, I enjoy monitoring foreign newscasts and various programs of interest. Am not a QSL collector, but am interested in SWLing as a worthwhile relaxation. Other of my interests include music, chess and fishing. I read about NASA in the 1966 Communications Handbook.
- *Robert DeVinney II, Akron, Ohio. Am a newcomer to the hobby. Age is 20, I am married and am a welder by trade. Rx is an S-120, antenna is indoor type, but I plan to erect an outdoor soon. Also have a Knight 4035 tape recorder. Am interested in contests, awards, photography, music, tapesponding. First heard about NASA from RTVE.
- *William Murphy, Troy, New York. Started SWLing in 1934. Gear includes a Hammarlund HQ-105-TR, National NC-183, an RCA console, also have a tape recorder. My antenna is a 60' longwire. Am somewhat interested in awards and contests, also photography. My age is 47 and I am single. Heard about NASA from member Dick Jenneman.
- *Robert Getman, Racine, Wisconsin. Married, 28, vocation is chemical technician. Rx is a National NC-125, antenna a 50' longwire. Have 22 QSLs so far, best being from VLT4. Am interested in awards, contests, meteorology and astronomy. Am resuming the hobby after an absence of some years, now hope to be more active. Read of NASA in PE.
- *Jerry Stuart, Lawton, Oklahoma. I am 18 and a senior in high school. Equipment includes a Corsley Super-8, Parklane CT and RCA-Mark VIII. Antenna is a 125' longwire. I am interested in cardswaps, contests, awards, coins, stamps and music. On SW have logged 38 countries so far, QSLd 26. Am member of RCSI/C and RNYWSWC. Joined NASA after I read about it in recent Radio-TV Experimenter magazine.
- *Richard Knapp, Kent, Connecticut. I am 14 and in 8th grade. Am a Boy Scout, have a part time job. I have two rx, a Philco console and a 3 band transistor, but have built-in antenna, no outdoor rigged yet. Am interested in contests, awards, coins, stamps and sports. Have heard 28 countries so far. Read about NASA in Communication Handbook.
- *Joseph H. Castonguay, Curundu, Canal Zone. My interest in SWLing and DXing stems from fact I've always been interested in afar peoples and countries. Born in Washington, D.C., I came to the Canal Zone in 1941. Have served with the US Armed Forces, during which time I was in Cuba, China, Philippines, Hawaii, Germany, Bermuda and numerous other countries. I am presently a civilian employee of the US Army, position being a lead foreman. Age is 54, I am married. Monitoring equipment consists of a Hammarlund HQ-145A and a Phillips B6X-15A. I employ a 50' longwire antenna. QSL collection totals over 300, but many are from same countries for different reports....all on SWBC. Am a member of RCSI/C, RFI/C and RNYWSWC, also a registered PE monitor- KZ5PELI, but NASA is my first real club of which I am proud to be a member; I heard of it from friend/member Richard Jenneman, WPE9GCZ, Stanley, Wisconsin.
- *Don Hibscheiler, Crawfordsville, Indiana. An OM of 13 here and although interested in the hobby for about 1½ years, am just starting to take serious/active part. I use a Hallicrafters S-120 and a Starlight rx. Antenna is a 45' longwire. Also have a tape recorder. Am interested in awards, contests, bowling, baseball, have a 3rd class RT license. I prefer to monitor the SWBC bands. NASA is my first club and I read about it in Electronics Illustrated magazine.

(More new NASAers on next page)

*Richard E. Wood, Bloomington, Indiana. Born in Dundee, Scotland 25 years ago, I have been a DXer since 1958, both in Britain and the U.S. My primary field of interest are the non-English speaking stations, particularly those of Latin America. Monitoring gear employed at present consists of a Hammarlund SP-600 and HQ-180, also a National RAS-5. Antenna is a 50' longwire 40' high. Other equipment includes a Tunerverter for 31m band used with auto radio. I am interested in languages and collecting pennants of stations (have 166 to date). Am single, vocation is Lecturer at Univ. of Indiana. Have written articles for WRPublications, am a collaborator of WRTE, also serve as Chairman of the Frequency Recommendation Committee of ANARC. Presently hold membership in NRC, Arctic Radio Club, Gothenburg DX Club International, Sveriges DX-Forbund and contributor to SCDXers. First heard of NASA through interexchange of bulletins when I was editor of former American Central Radio Club.

*Charles R. Heisler, Rensselaer, New York. Have been in broadcasting for 35 years as station engineer or chief engineer, both in U.S. and abroad. Am a widower, age is 54. Present rx is a Norelco L6X38T with built-in antenna. Having always been a casual SWL, I am now pursuing it more enthusiastically due more time available. Other interests include photography; Other shack equipment includes a Vollsensak T1500 recorder. I read about NASA in various electronic magazines.

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

RENEWALS

Welcome back to Margaret "Peggy" Stobb for her third year...and to Larry Bennett and Mel Flannagan for their second with NASA. Good luck, good DX and good friendships!

JUNE BIRTHDAYS

Many happy returns to Jerry Hartweg, Dave Hailey, George Neff, Nick DiGiorgi, William Murphy, Dale Marks, Tim Brunton, Sandra Bailey, Mark Hosmer, Joe Madara, Del Beaupre, Les Dorksen, Barry Deal, Pete Peges, Bob Citronberg, Jim McShane, John Callarman, Dick Knapp, Jack Widner and Hugh Whitehead..all celebrating another birthday this month!!

CONGRATULATIONS AND SALUTE!

To the many members who will be graduating from high school this month, we extend our hearty congratulations and give a salute as they now enter into "the world outside". Whatever be their plans or endeavors for future, we wish them every success and an abundance of happiness. Too, we hold hope they will ever look to the good to be found and gained in the keeping of our motto..."Unity and friendship"...far more important in life than in hobby. May they each and every one all ways walk in sunshine! B.E.

SUMMER SUPPLEMENT

HI HI BITS

Due for release in July, the 1966 Summer Supplement of the World Radio-TV Handbook can be obtained for \$2.00 (includes total cost of book and postage!) by sending to: World Radio-TV Handbook, 1270 Avenue of the Americas, New York, New York 10020. Be sure to specify wanting the 1966 Summer Supplement and print your return address legibly. (Members previously ordering via NASA Hdqs will automatically receive their copies direct when released!) Summer Sup. brings up to date, all changes and info of importance re stations of the world. It is suggested you order early!!!

A diet is for people who are thick and tired of it.

Automation is mans effort to make work so easy that women can do it all.

Then there was the announcer who interrupted a network program to give a local newsbit. "A half hour ago MR. Ibin Waitin* gave birth to quintuplets at Welcome Hospital*. Good heavens, thats my wife!!!" (*names changed to prevent embarrassment.) UPI

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Exclusive

Exclusive

THE LOUDENBOOMER REPORT

As you know by now gang, I have vast sources of inside information about what goes on in this hobby of ours. I am, by the way, humbly proud to be one of your leaders. Now then, information of a most unnerving nature has come to light through one of the aforementioned sources who, due to reasons of security, must remain nameless. It concerns a most insidious plot to undermine the strength of the International Worldwide Continental DX Association. I present here, in order to enlighten you and put you on your guard, a transcript of a tape recording taken secretly during a meeting which took place recently in London...

"Ah 007; Good of you to come...at last. Miss Moneyponny has been trying to reach you all day!"

"I was...er, tied up sir. Is there a problem?"

"A considerable one I fear. Our friend Felix in Washington had a go at it and he's since been confined for treatment for a nervous breakdown. The situation is this... There is a group of hobbyists in the U.S....for that matter, nearly everywhere, who monitor the shortwave broadcasting bands. These people have clubs who publish information on shortwave broadcasts and which is used as a source of material by both of our governments monitoring posts. They, that is these hobbyists, are a rather strange group....continually disagreeing over one thing or another. Possibly SPECTRE is behind it. At any rate it must be stopped. The current difficulty runs something like this: The International Worldwide Continental DX Assn. has switched its bulletin to legal-size paper. The All-Planet DX Association has condemned IWCDXA for this saying it will be more difficult to bind their material and besides, All-Planet had it first. The name-calling and editorial skirmishes has gotten to the point where there is no room for radio information and their bulletins are thus useless to us.

Now here is your assignment. Join both clubs. Become a big wheel in at least one of them and put out the fire...and keep it out.

We figure Lower Flatsville, Vermont will make a good operating base for you. Here is a receiver in case you decide to do any listening. You'll note it has all the stations marked on the dial, so you should have no trouble in becoming an expert overnight. Also here are some cards. They are called SWL cards. They pass them around. Let it be known you're willing to trade your card for others. That'll open up a number of doors right there."

"Ah, to what purpose sir?...passing around cards. Why do they do it?"

"Dont ask complicated questions 007. Your next step is to gain control of the IWCDXA and once things have been stabilized, pass it on to someone who's reliable."

"That's a rather round about method isnt it sir...I mean couldn't I just...."

Unfortunately, my source's recording runs out at this point. It is however, obvious that this 007 person, whoever he might be, has no good in mind for the fate of IWCDXA. He is obviously out to bring peace and quiet to club relationships. IWCDXA will never make peace with the All-Planet sub-humans. We will maintain our integrity. IWCDXA members...be on the alert. We will continue to use legal-size paper and the Loudenboomer Report will continue to be longest with the mostest no matter what horrible mechinations are brought against us. Peace and quiet among IWCDXA and APDXA and other clubs, for that matter, will be achieved only when they start doing things our way! Support IWCDXA...support your editors...be on your guard!

-30-

Charlie Loudenboomer

* * * * *

NASA QUOTE OF THE MONTH..."To escape criticism, do nothing, say nothing, be nothing!"

* * * * *

In accord our decision to stick to SW news items only, the column this month will of necessity be smaller. And since we've got a large ANARC Report following and we're allotted six pages overall, it'll have to be still shorter. Much information though, as witness the following:

Nueva estacion del Cuba

There's a new radio station in Cuba, says Dick Jenneman from the AP. It's housed in a three-story underground command post. It's near Havana, at Bejucal, constructed by (sources say) the Russians, and features a steel and concrete air attack-proof housing. Principal function may be to "maintain clandestine contact with guerillas in Latin America".

Russians issue their own tv guide

A weekly feature of "RT" magazine will be "Watch Out-Lies In The Air" behind the Iron Curtain. It appeared two weeks ago on Roosky newsstands.

Bombers knock out Viet Cong station (Our Sis-BOOM-Bah award entry)

B52s last month clobbered the VC's main Saigon radio station in a nice display of pinpoint bombing. The communist radio station was underground and it took much effort to silence it. It has not, at this writing, been heard from since. (Credit all around Jenneman, UPI and AP)

Soapbox oratory (Our comments, following letter and three BLANK VOA QSL cards from member Gordon Schiff of Chicago)

Gordon advises that, in the USIA Bldg in Washington, they have a stack of cards anyone may take as souvenirs. Gordon comments it's rather degrading, then adds to that his querie "Do you know of anyone not getting VOA verified?" We think this honestly falls into the category of news, and certainly it's not welcome news. A verification is a precious item, and far too indicitive of time effort and skill to be treated as a "free" souvenir!

Dan Henderson(welcome aboard) advises thus:

WWV not be moved till December (A NASA EXCLUSIVE!!)

A telephone conversation between Dan and a CE at WWV in Lanham Md. on the 1st of May brought out the fact that WWV's move to Fort Collins Colorado, set for July, will be postponed untill December 31, 1966. When queried about the possible loss in reception due to 10 Kw outlet in Colorado, the engineer stated that WWV might up power to 100 Kw if enough trouble in reception is experienced by enough people.

Hams ruffle pastor

Members of the Rosewood Heights Baptist Church in Alton Illinois are experiencing a sermon blackout. Ham radio ops are "horning in" on the church PA system while the poor pastor is trying to make a point. Not that the folks don't like the conversations. They just don't think comments about fried chicken dinners go well with the subject matter from the pulpit. (Pete DeHart via AP)

More on the Blue Eagles(item lost in the shuffle last month)

Huntley-Brinkley report more than a month ago showed a VC-shot up US base. Among victims were two planes, referred to in the commentary as "aircraft that circle the city broadcasting television". RIP, Ye Blue Eagles. (Via George Zeller)

Pete Grenier of Azusa Calif points out that WN6RNR is Pat Paris of the singing Paris sisters, and that the Herlad-Examiner prints a column in Los Angeles called "Calling CQ-Hams On Air". Thanks Pete, and welcome to the swinging NASA News team.

The ANARC Reporte

A report to the membership on your association's past monthly activities, presented by NASA as a dx service.

Much news this month. We'll begin with the just-released Code of Ethics for DXers, completed by John Callarman. John has had the code in preparation for some months, studying all aspects of its content and proposed content, and he submitted in in April to the association. Here, in its entirety, is ANARC's official

New Code of Ethics for DXers

I. Definitions

- A. A DXer is one who listens to stations in the radio and television spectrum for the purpose of hearing the station without regard to content.
- B. A "listener" is one who listens to stations in the radio and television spectrum for programs or message content.
- C. A DXer can be a listener, but the average listener is not DXer.

II. Scope of Responsibility of a DXer

- A. The DXer is responsible to the station he hears
 1. Contact slanted toward the station's interests
 2. Contact the reflect the standards of the hobby overall
- B. The DXer is responsible to his fellow DXer
 1. Exchange of information
 2. Maintenance of reputation of the hobby
 3. Maintenance of personal honesty and integrity..in all relationships.
- C. The DXer is responsible to the club he joins
 1. Utilization of the club as a medium of exchange
 2. Cooperation with the club in its projects
 3. Adherance to club rules

III. Scope of responsibility of the Club

- A. The club is responsible to its members
 1. To provide information of value in pursuit of the hobby
 2. To engender a friendly spirit among all DXers
 3. To insure upholding of standards throughout the hobby
- B. The Club is reponsible to other clubs
 1. To exchange information provided by the respective members
 2. To work cooperatively in areas of mutual interest
 3. To avoid antagonism in areas of disagreement
 4. To assist in policing violations of ethics

IV. Scope of Responsibility of the Station

- A. The station is responsible to its listeners
 1. Providing of programming
 2. Maintenance of good public relations
- B. The station has NO responsibility to the DXer
 1. Unless the DXer also is a listener
 2. Unless the station requests the DXers cooperation

V. Summation

- A. The hobby of DXing is basically a personalized one-man thing
- B. The club should try to prevent individual actions harmful to other hobbyists.

Submitted 14 April 1966

There you have it. John Callarman's Code of Ethics, an item long overdue in the shortwave fraternity. Please forward your comments and reactions to it to your representatives. We'd take this moment to thank John for his time and effort, and offer our congratulations on the Code list.

According to the ballots just in, the Reps of ANARC are voting in favor of a country list, but the point of dissention seems to be whether to utilize the current lists, or to formulate and maintain ANARC's own. This is complicated still more by the frank admission of certain clubs that they have their own lists, and in general, would not use the Alliance's list. We could point out that what use a club makes of such as our Country List is beside the point, seeing as how the list is there for whomever might wish it and no-one is asked to use it mandatorily. The Executive Secretary summed up the matter quite clearly by stating "I am not satisfied that any one list would do for the various interests we represent in ANARC, ham band listners, SWBC DXers, BCBers, etc. I feel that the problem of creating a theoretically perfect list is virtually impossible at this time". The Exec Secretary goes on to note the country controversy in Europe, and the problem of definition of what a country, in these politically-troubled times, really is. However, personal feelings aside, the Executive Secretary has issued a call for a committee to work out a separate ANARC Country List, as was the majority votes' wish.

Convention News

More details are in concerning the first annual ANARC Convention to be held at Kansas City July 29-30-31. See last month's report for all pertinent details. Publicity for the convention will be aired over Radio Bucharest and Lisbon, probably WRUL and the hams' CQ magazine. WRTHB is due to send display material. A number of films have been obtained for any interested in them. The tours are set for Friday, and discussions, panel meetings, etc. are set for Saturday. There will probably be a display of receivers with the opportunity to use them. A program is planned for 10 PM-1 AM on WHB Radio, Kansas City (date to be announced) to give those DXers unable to attend a quick look (four hours, hi) at the convention, and featuring several well-known DXers.

Committee News

The Frequency Recommendations Committee, headed by Richard Wood, reports good contact with Radio Prague, in response their request for improvement of their North American beam. Deutsche Welle has been in contact with the committee, and Radio Portugal has been sent the committee's recommendations as to their frequencies for North America.

Paul Kirkpatrick points out that the BCB listener has largely been sidestepped in the ANARC, though unintentionally. Paul recommends an ANARC Courtesy Program Committee, a booklet covering the hobby of BCBing as pertains to the newcomer (ie, a BCBers' "Better Shortwave Reception"), and Paul advocates committee formations. Paul's comments were not put in proposal form for voting, thus the comments were listed as just that.

That covers our news on the Association of North American Radio Clubs scene for this month. Your comments and suggestions are, as always, most welcome.

Doug Benson, Rep., 49 Washington Street Lakeport New Hampshire 03246
Frank Peters 820 West 34th St., Chicago Illinois 60608

FRIENDSHIP CORNER



CARDSWAPPING & TAPE SPONDING

In "UNITY
and
FRIENDSHIP"

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Louis A. Molina WPE2OFN, Co-Editor

788 East 182nd St, Bronx, N. Y. 10460

 Many of you OMs have asked us, and are probably wondering to yourselves what is necessary to be chosen "Swapper of the month" The answer to this question is this: It matters little whether you are a veteran card-swapper or a new card-swapper-DXer, whether you have five QSL cards acquired or five hundred. The main thing is that you swap 100%, and that you be sincere and loyal in this effort, that you be an asset to your club and hobby. The matter of expensive or inexpensive equipment has little bearing on your qualifications as a successful swapper. We have chosen OMs as swapper who have very expensive radio receiving equipment as well as those who have low cost equipment. One qualification is necessary: The more information we have about you and your equipment and shack the better your write-up will look in this section. Again we repeat, what you have in your shack is not the reason for being chosen, however this information is very useful to us in deciding who will be the next swapper. If you care to and still have not received this honor, you should send us information about yourself, your shack, age, schooling, occupation etc. Please include your other hobby interests which are not Radio connected. If you are chosen, all of these facts will be written up about you and published in this section. Not only will this aid you in making new card-swaps but will also place at your disposal the names of other OMs who might just be interested in your other non-Radio hobby. The result will be a new friendship will be created so that you can enjoy yourselves still further. Lou and I would like to keep a sort of a Mater-File of all of you, with all this information at our disposal. So, if you would like to participate, please send us that letter about yourself today!! Then one day when your new copy of Frenx comes in the mail, you will be surprised to find yourself Swapper of the Month.

 PROGRESS REPORT: The Fisher Radio Corporation, long a pioneer in the manufacture of AM/FM Stereo Radio Receivers and other High Fidelity equipment, has recently come out with a new Multi-Band Radio Receiver which covers the standard AM broadcast Band Stereo FM, plus three short-wave bands. The Company claims that reception on the Short-Wave bands is similar in tonal quality to High Fidelity FM Reception on the FM band. Your Editor and Co-Editor have not had a chance as yet, either to see or hear this receiver in action. Both of us rather doubt, that SW broadcast signals can be received in High Fidelity Sound or equivalent, although we do not doubt that such a possibility does exist. We are mindful of the fact that NASA (National Aeronautical and Space Agency) is now using the FM system of Radio Communications with our space vehicles and in our current space program. In the April 1966 issue of High Fidelity Magazine, there is a very interesting article about the future of High Fidelity FM Radio, Recordings, Tape Recorder, Video-Tape Recorders and Audio in General. You might be interested to know that there is now a great deal of experimentation going on in the field of FM Radio. One possibility in the not too distant future, will be a portion of the FM band between 88 to 108 mcs, or possibly the higher frequencies will be allotted for the use of receiving international FM Stereophonic on the conventional home FM Receiver. This is a network of communication Sattellites orbiting in space relaying the International Broadcast from Europe or some other distant radio signal in FM stereo, which will be received in your hometown or some other part of the world. Another possibility is the reception of both video and audio on your TV screen. This we have already on an experimental basis through the Early Bird Sattelite but only on a limited scale. In times to come, this will become common-place in much the same way as Short-Wave DX is today.

NIGHT PATROL - Part 11, Submitted by Sgt. L.M. Jones - NASAer Stationed in Vietnam
 ...The patrol moves on through the dense foliage. But the jungle is never silent. Millions of insects and frogs sent up a ceaseless cacophony; lizards and civet cats fill the night with strange, mournful murrings and every now and then, just when nerves seem the most on edge, an exotic bird rends the night with a shriek. But even worse is sudden silence in the jungle, when all the noises of the night abruptly die.

What disturbed the animal kingdom in its nightly symphony? Is the enemy at hand, waiting in the wildness he knows so well to set off the horsehoe-shaped ambush that is his trademark. The patrol halts and listens, hugging the tall grass where spider webs cling to sweat-soaked faces, straining for every new sound in the humid night. A small animal scurries underfoot and disappears in the underbrush. Mosquitos resume their whirring, and the whole noisy chorus of the night picks up again. The squad leader gives his silent signal, a tug at the sleeve passed down the line, and the column moves out again, bending the branches back, passing them down the line, as silently as the signal. The darkness dissolves to reveal a slow-moving river, muddy and dun-colored in the opaque light of the stars.

The patrol crouches on the bank, all ears straining again for the slap-slap of waves against the bow of an enemy sampan. The heat of the day has died a little, and a soft mist forms on the opposite bank, lying like a long roll of cotton under the darkened trees.

(CONTINUED NEXT MONTH)

***** SWAPPER OF THE MONTH *****

THE MASPETH DXer --Station WPE2CEU, this month your Editor and Co-Editor are pleased to present to you a new NASAer and 100% card-swapper. This OM is also interested in photo-swapping but is not ready just yet to begin this new activity. He is 16 years old and a Junior in High School. He began to DX about one and a half years ago and likes the hobby and NASA in particular. His first short-wave receiver was a Lloyds TM-838 covering AM-FM-SW bands. In December of 1965, he received a Hallicrafters S-120 RX for Christmas. He now plans to purchase a Lafayette HA-30 Rx. He plans to go into photo-swapping and tapesponding as well as cardswapping. His present antenna is a 75ft. long wire with which he receives excellent results. His swap score is as follows: 24 states swapped, 25 foreign countries verified, 14 states verified on the MW band. Our swapper also belongs to the following DX clubs: Radio Portugal DX Club, Radio Budapest, DX club, Radio Canada, Radio Kiev and Radio Czechoslovakia and as mentioned above, he is a new member of NASA. He tells us that NASA is his favorite club!! This fine OM plans to go into Ham Radio in the very near future. He is now studying Code and Theory under the wise supervision of a ARO friend, who happens to be WN2VFN. So start your letter/cards tolling to this swell SWL and future ARO!!

The above Swapper of the month QTH is: FRED GAISSER, 61-49 56th St., Maspeth Queens New York City, N.Y., U.S.A.

While NASA encourages cardswapping for UNITY & FRIENDSHIP reasons, it by no means implies cardswapping should be the only interest of members in the club. ALL members should also partake of one/some form of DXing and submit reports to the proper section editors. Cardswapping should never be the only interest of any member! If it were, then such member would best relinquish NASA membership in favor of one in such as ILSO (International League of Signal Chasers) which is solely made up of cardswappers and tapesponders.....Bill Eddings

DO NOT!! Send in names from other lists! DO NOT!! Send names unless you have received swap in the last 30 days (Month)! DO NOT!! Merely copy names from other bulletins swap lists and submit to other section editors! DO NOT!! Be a cold swapper in swapping always intend to promote our motto of UNITY & FRIENDSHIP!! DO NOT!! submit names of swappers who dont sign/initial in cards accordingly!

+++++ SWAP SHOP +++++

ALASKA	KL7PE2Q	Clayton Woodard, Palmer	AB
ARK.	WPE5EAZ	Billy Williams, R.R. #3, Box 91, Charlestown	AB
CONN.	KMA3833	Jim's TV Svc, 534 Ann Street, Hartford	RI
	KMA9467	David Mueller, 151 Bushy Hill Rd., Simsbury	RI
	KOAO504	Mark Saccuente, 38 Stanwood Street, Hartford	RI
	WPE1GJN	Ralph Trace Jr., 4 Fox Ridge Lane, Avon	**
	WPE1GAK	Austin Arnold, R.F.D. #1, Litchfield	*
	WPE1FVO	Adelard Beaupre, 1 Mohegan Street, Putman 06260	AB
	WPE1GUM	John Zaharak, 64 Pierce Street, Torrington	AB
DELA.	WPE3GNM	Joe Madara, P.O. Box 14, Selvyville	**AB
	WPE3FLW	Bob Moore, 42 Belmont Avenue, Willmington	WG
	WPE3CGR	Dick Moore, 42 Belmont Avenue, Willmington	WG
FLA.	KMP4222	Jim Nole, 11273 Samuel Drive, Jacksonville	PS
	KMP0464	Bill Bartlett, 7261 S. Eudine Drive, Jacksonville	PS
GA.	WPE4HZY	Jody Tollison, 540 Huntington St., Augusta 30906	*
ILL.	WPE9ALD	Clarence A. Green, 7412 Franklin Street, Forest Park	*
	WPE9ANJ	John D. Hathaway, 1116 Broadmoor, Apt. 1, Champaign	ES
	WPE9JLY	Rich Sagert, 5246 Marshfield, Chicago 60609	ES
IND.	WPE9LEU	Rich Guinn, 408 Kentucky Avenue, Loogootee 47553	ED
MAINE	WPE1ESB	Ambrose Maxim, 23 Lambert Street, Winthrop 06364	AA
MASS.	WPE1GJH	Ernest Zecchini, 15 Bruce Street, Lawrence	AB
	WPE1GOA	Bob Skerry Jr., 72 Terrace Road, Medford 02155	GP
	KMA7167	Edward Madej, 193 Oak Street, Indian Orchard 01051	RI
	WPE1GHI	Richard Cooper, 13 Winthrop Road, Wayland	ES
	WPE1DIR	Everett S. Decker, Box 411, Westfield	WG
MECH.	WPE8END	Garry Phillips, 6459 Shadowlawn, Dearborn Heights 48127	*
MO.	WPE6TFW	Patrick Fitzpatrick, 11937 Debonnaire Drive, St. Louis	RI
MONT.	KFJQ522	Robert Trinder, Box 999, Replar	AB
NEW.HAMP.	WPE1GFZ	Gary Guyette, 51 Greenwood Avenue, Keene	MG
N. J.	WPE2MHT	Peggy Stobb, R.D. #1, Pinetown	AB
	SWL-42	Jim McFadden, 29D Glendale Apts, Pleasantville	ES
	WPE2EDA	Victor P. Pavlick, Nolan's Point Road, Lake Hopatcong	ES
	KCF6252	Herb Morgan, 20 Craig Lane, Pennsville	WG
NEW MEX.	WPE5JFC	Douglas Kelch, 1920 Colean, Las Cruces	AB
N. Y.	WPE2KFR	Leo Flury, P. O. Box 315, Bronx 10451	GP
	WPE2KGN	James J. Sorber, 218 White Avenue, New Hyde Park, L. I.	AA
	WPE2INJ	Sandra Bailey, 529 West Gray Street, Elmira	AA
	WPE2KXF	John Scruilletta, 3 North Street, Bedford Hills	ES
	WPE2KGU	James L. Sorber, 218 White Avenue, New Hyde Park, L.I.	ES
	WPE2NKL	Steve Bussin, 144 Belmont Avenue, Long Beach, L.I.	ES
	WPE2NJE	Milton Traver, 383 North Street, Middletown 10940	WG
	WPE2KGFZ	Stephen Finkelstein, 3591 Bainbridge Avenue, Bronx	WG
N.DAKOTA.	WPE6EIN	Laurion Dobbson, 2001 Springave, Sibur Falls	AB
OHIO	WPE6HW3	Tim Davidson, 1504 First Street, Lakemore	D
	WPE3TIA	Phillip Smith, 332 Highland Terrace, Dyton 45429	*
OREGON	WPE 70FV	Richard Warner, 4290 High Street, Eugene	**AB
	WPE7BZB	Dennis Ashworth, R.R. #1, Box 304, Corvallis	ES
	WPE7AVQ	Edward Smith, 440 North Fifth St., Corvallis 97330	D
	WPE7ALM	Scotty Gray, P.O. Box 37, Coos Bay 97420	ES
PENNA.	WPE30Z	William P. Stevens, 514 N. Second Avenue, Jeanette	AA
	WPE30AU	John Patton, R. R. #4, Box 79, Tyrone	D
	WPE30AR	Dave Schmidt, 44 Green Lane, Green Ridge 19014	*
	WPE30WL	Ray Eddings, 1503 Fifth Avenue, A2, Altcona	*,AB
	WPE30EE	Vincent DeMeis, 713 Earp Street, Philadelphia	ES
	WPE30LD	Sam Cox, 1628 New Kirk Street, Philadelphia	ES
	WPE30LB	Walt Gilchrist, 1628 S. New Kirk St., Philadelphia	D
	KMG4477	Ed Douglas, 2532 South Tenth Street, Philadelphia	MG

SWAP SHOP "CONTINUED"

PENNA."Cont'd	KOG0142	Danny Quattrone, 2536 S. 10th St., Philadelphia	WG
	KCD1981	Merrit Gebhart, R.R. #2, Mohnton 19540	WG
	KCD4393	Vic Eager, R.R. #2, Box 89, Mohnton	WG
	KKG5556	Bruce Keckler, 39 Washington Street, Shilling	WG
	KOGO302	Ken Edwards, 3031 D. Mountain Drive, Philadelphia	WG
	KCD4407	Vincent De Cava, 2500 South Warnock Street, Phila.	WG
RHODE ISLAND	KMA2394	Doris Laurieri, 67 Overhill Drive, West Warwick	AB
SO. CAROLINA	WPE4HQG	Pat Binkley, 1355 Virginia Acres, Florence	AA
TEXAS	WPE5CBD	Richard Little, 4720 LaFayette Avenue, Fort Worth	RI
WASHINGTON	WPE7BHC	Bill Colyn, 1822 McDougal Street, Everett	AA
WISCONSIN	WPE9GZ	Richard Jenneman, R.R. #2, Box 104, Stanley	AB
CANADA	VE2PELFU	Jacquess Dube, 695 Rue Williams, Trois Rivieres, Quebec	GP
	VE3PELEY	Bertrand Goulet, 834 6th Avenue, Pointe-Aux-Trembles, Mont.*	
	VO2NA	Jack Willis, P.O. Box 255, Goosebay	AB
	VE4PE1C	John Shinn, P.O. Box 20, Bowsman, Manitoba	AB
	VE1PE9G	Frank Houston, R.R. #2, Wolfville, Nova Scotia	AB
	VE7PE1BT	Joan Laing, 4678 Elgin Street, Vancouver 10, B. C.	AB
	VE4PE5Q	John Benson, 175 Barrington Ave., Winnipeg 8, Manitoba	WG
	XMA2894	Ken Brien, 110 Elgin Street, Bowmanville, Ontario	WG

OVERSEAS

CUBA CO2-SWL Oscar Reyes, Carmen No. 277, Habana PS,RI

....The following list of French swappers was submitted by Phillip Smith....

- REF14551 Jacques Throude, 3 Rue Protis, Marseille, Bouches-du-Rhone
- REF 17170 Jean-Paul Guidocoq, 14 Saint Gatien-Des Bois, Calvados
- REF 17587 Jean Francois-Legrand, 45 Rue Jules-Guesde, 02 St., Quentin
- REF 15951 Jacky Billaud, 11 Rue Roland Champenier, 58 Neveres
- REF 15355 Paul Ricalens, 13 Sausset-Les-Pins, Bouches-Du-Rhone
- REF 16192 Robert Fontaine, 31 Bd-du-Aulnay, 93-Villemonble
- REF16097 Marie-Ange Permantier, 12 Av. Colonel Fabien, Denis Seine
- REF15386 Jean-Claude Coureau, 91 Av. de Verdun, Issy-les-Moulineaux 75

OUR THANKS GO OUT TO THE FOLLOWING OMs WHO TOOK TIME OUT TO REPORT THIS MONTH

Garry Phillips (WPE8HND)....GP	T	Edward Smith (WPE7AVQ)....ES
Ralph Irace (WPE1GJN)....RI	H	Walt Gilchrist (WPE3GLB)....WG
Austin Arnold (WPE1GAK)....AA	A	DirectD
Phillip Smith (WPE8IIA)....PS	N	EDITOR (WPE2NDD)....*
AdeLard Beaupre (WPE1FVO)....AB	K	CO-EDITOR (WPE2OFN)....**
	S	

BITS & PIECES: CIDY Club is conducting a contest, and invites all NASA members to participate. All that is required is that you write an essay of about 75 words in length, writing what you think a card swapper is. Prizes will be given out to the top three winners. All entries should be sent to: Ralph Irace Jr., 4 Fox Ridge Lane, Avon, Connecticut 06001. Deadline for entries is July 30th. All winners will be notified via mail or via this section.

 This note from Garry Phillips: I am interested in tapesponding on three inch reels at 3-3/4 ips, particularly with other radio enthusiasts outside the limits of the continental United States. I do speak some French, and might be able to carry on tapesponding/correspondence in that language if spoken slowly and carefully. If anyone is interested drop me a card/letter or go ahead and send me a tape. I promise to answer all faithfully. My QTH is GARRY PHILLIPS, WPE8HND, 6459 Shadowlawn, Dearborn Heights, Michigan U.S.A. *****
 Due to lack of space, we can not include many requests received. However we will list more next month. SO LONG for now, 73's and the best of DXing to all! Frank Lou



NASA SHORTWAVE CENTER



Ronald Luyster, Editor

Route 1, Flushing, Ohio 43977

ALL TIMES GMT

JUNE

DEADLINE 15th

A CLARIFICATION....Regarding the article entitled "The Truth About Radio Americas" which appeared in the April 1966 Shortwave Center, it should have been pointed out that the facts set forth in the said article were those supplied by the station concerned and do not necessarily reflect opinions of the editors or officials of the North American Shortwave Association. This is not meant to infer that the information given in the article was necessarily in correct but rather that there seems to be much more to the matter than the points covered in April. ...Exhaustive studies on the background and operations of Radio Americas and the old Radio Swan have been made by veteran DXer and journalist Donald Jensen and several associates. We have just recently recieved permission from Don to reprint this material in "FRIENDX", and as we believe it would be of interest to many of the members, a series of articles containing information from the studies will be published in the near future. The articles will not be printed in the hope of stirring up further controversy but rather for the entertainment and possible enlightenment of "FRIENDX" readers. No matter what your point of view on this matter, I think all will be impressed with the great amount of work and thought that went into the Radio Americas studies. (Ed.)

The Latest on WRUL....Mr. Edward J. Broman, Vice President and General Manager of Radio New York Worldwide, today announced the third in a series of developments concerning the NEW Radio New York Worldwide.

Radio New York, as the United States' only commercial international station, broadcasts 17 hours a day to Europe, Latin America and Africa in both English and Spanish.

Announcement Number One--May 1st, 1966--RNYWW moved into new and modern quarters at 485 Madison Avenue, New York, N.Y. The quarters house what are probably the largest commercial radio broadcast facilities in the United States, with 9 studios and 6 control rooms.

Announcement Number Two--Radio New York has begun construction on their new transmitting plant in New Jersey which will greatly increase the strength of their broadcast signal.

Announcement Number Three--concerns a change of call letters....WRUL, (which Radio New York has used for almost 30 years)...will, on June 1st, 1966, be known as WNYW.. ..the "NYW" standing for (Radio) New York Worldwide.

(Above de DXing Worldwide/Radio New York Worldwide press release via NASA Headquarters)

RADIO ULAN BATOR SKED....Your editor has recently been in touch with the North American representative of the R. Ulan Bator, Mongolia Listener's Club who sends along this current schedule of xmsns from that station. According to the sked, Ulan Bator has English broadcasts on Tuesday, Wednesday, Friday and Saturday at 1420-1520 on 9540 and 11850 kcs. and again at 2130-2230 on the same frequencies. ...Also, the sked states that there are programs in Mongolian transmitted every day at 1000-1100 to the Eastern USA and at 1100-1300 to the Western USA, both on 4165 kcs. ..We are also informed that the station will verify all correct reports by verification letter which is posted to the listener by registered airmail. Along with the verification is sent a program schedule and picture postcard. On receipt of a second report, the station includes a copy of the magazine "Mongolia Today" with the varie. Reports should be addressed to: Radio Ulan Bator, Ulan Bator, Mongolia.

GILBERT AND ELLICE ISLANDS..Radio Tarawa

The islands in these groups were proclaimed a British protectorate in 1892 and were annexed as a colony in 1915. The colony includes islands in the Gilbert group, Phoenix group, Ocean, Fanning, Washington and Christmas groups. It is administered by the British High Commissioner for the Western Pacific in Fiji. The most important product of the island is high-grade phosphate. During WWII, the Japanese forces occupied several of the Gilberts and Tarawa was the scene of one of the fiercest battles of the war.

The transmitters and studio of Radio Tarawa are located on Betio Islet, $3\frac{1}{2}$ miles by launch across the lagoon from the main Tarawa atoll, in the Gilbert Islands group. Its geographical position is 1 degree 21' north latitude, 172 degree 55' east longitude. The broadcasting organization has two types of transmissions, in the local vernacular languages...Gilbertese and Ellice, and in English. The local Information Dept. officers compile and broadcast the native language programs; The English language transmission is conducted by two wireless officers, whose primary duties are technical, but who give their leisure time to the English service as a contribution to the entertainment of the community.

Broadcasting is somewhat of a sideline with the broadcasting organization being its main work, strangely enough, is involved with utility communications and it maintains a network of 35 radio stations of the non-broadcast type on islands throughout the colony. It also maintains radio watches and work skeds with local and overseas ships and aircraft as required. It is responsible for the VHF links, radio navigational aids, maintenance of ship radios, radar and electronic equipment. Recently three radio beacons were installed for the newly inaugurated air services between Fiji and Tarawa.

The shortwave service from Radio Tarawa-VTW2, is broadcast on 4912 with transmitter power to antenna of 2kw. Signals are radiated to the colonies 37 islands scattered in a 1000 by 2000 mile rectangle of ocean, by an 8 element vertical incidence array 40' above the ground. The station verifies with mimeographed form or personal letter, or both. Reports should be sent: Technical Director, Radio Tarawa, Gilbert & Ellice Is. Broadcasting Service, Betio, Tarawa, Gilbert and Ellice Islands, Central Pacific. Listed sked given as....0430-0630 daily except Thursday and Saturday....Vernacular languages. 0730-1030 on Thursdays, in English. (Tnx DXplorer Radio Assn.)

MEXICAN SWBC STATIONS

Following is list of XE stations presently operating on SW,,submitted by NASA member Alberto Laveaga residing in Guadalajara. List is not meant to be complete, but is accurate and current except that transmission times are subject to variation.

4820	XEJB	Emisora de la Casa de la Cultura de Jalisco	1800-0500
6010	XEOI	Radio Mil	1200-2400(0000)
6045	XEKQ	Universidad de San Luis Potosi	
6115	XEQM	Radio Yucatan	
6115	XEUDS	Radio Universidad de Sonora	
6165	XEPA	La Voz de la America Latina Desde Mexico	1200-0600 //9515
9545	XEFT	La Voz de Veracruz	
9555	XECK	La Hora Exacta	
11830	XEVV	La Charrita del Cuadrante	
11880	XEFH	Difusora Comerciales	1200-0600

NEW?? ADDRESS??

On a recent QSL received from Andorra Radio (Radio Andorra!), the return address was given as P.O.Box No. 1, Andorra La Vielle. This address differs with that given in latest World Radio Handbook. (SCLXers) We would appreciate any info/data any member might be able to give us in this matter. Anyone recve QSL from this station lately?(Ed.)

XXXXXXXXXX AROUND THE SWBC WORLD NEWS XXXXXXXXXXXX

Radio Denmark has inaugurated a new schedule. Xmsns to North America will be on 15165 kcs from 1200-1300 and on 9520 at 0130-0230. Programs are in Danish and English. A special test program is broadcast every Saturday from 1015-1100 on 9520 kcs. Listeners desiring the station's quarterly schedule & program guide should write to: Shortwave Dept., Radio Denmark, Copenhagen. There is no charge. (NSN)

Transmissions of Radio Nederland programs over the facilities of TransWorld Radio, Bonaire have been so successful that the management has decided to build its own station on the island. A super-powered transmitter will be installed and frequencies on the international and tropical bands will be used. Until construction is completed, R. Nederland will continue to use TWR for its daily N.A. service on 9590 kcs. English may be hrd from 0130-0220, Dutch at 0230-0350 and Spanish at 0400-0450. The station uses its xmtrs at Hilversum, Holland for the "Happy Station" program each Sunday on 11730 & 9590 from 1900-2020. (NSN)

The Armed Forces Radio & Television Service beams programs 24 hrs a day to U.S. servicemen overseas. Programs to Europe, North Africa and the Caribbean are broadcast from 1330 until 2245 on 21650, 15430, 15330 and 11790 kcs. Other freq.'s used for the Caribbean service, which may be hrd from 2245 until 1330 next day are: 15275, 11895 and 9760. The latest news is broadcast every hour, on the hour; sporting events, music and talks make up the rest of the programs. A recent report to AFRTS, 250 W. 57th St., New York 19, N.Y. was verified within five days with a card signed by Parascho P. Ballas, Lt.Colonel, USAF, Chief of Radio-Television. (NSN)

Reports and requests for verification on the BBC Bechuanaland relay xmtr should be addressed to: Central African Service of the BBC, London, England. (NSN)

The following sked was given in a letter recently recieved from R. San Isidro, La Ceiba, Honduras: Mon-Sat, 1200-1300, 1700-1900, 2300-0200 & Sun. 1300-1900 & 2300-0130. Frequency is 4845 kcs. (Field)

A personal letter from Donald Rutledge of TGNA, Guatemala states that the 5955 outlet is now operating at 4 kw. power. English is broadcast at 0300-0400, Mon. thru Sat. and on Sunday at 1830-1900 & 0100-0400. The 9670 outlet is not now in operation. A new xmtr is being used on 720 kcs, with increased power from 2½ to 10 kw. (Field)

Member Ralph Irace Jr., Avon, Connecticut, advises us that he is starting the CIDX Ethics Committee of which he will be the chairman. Ralph states that the purpose of this committee is to urge SW stations not to operate on the 40-75 meter ham bands which many are now doing, in violation of international radio regulations. The committee will also attempt to assist stations to find usable frequencies for various services etc.

According to a recent letter from Robert W.M. McLeish, Broadcasting Officer for the Solomon Is. B/C Svc., the new eight-element antenna array was not installed until April 1st. "The antenna is fed by a 5 kw. A.W.A. transmitter and combines co-linear inphase elements with parallel out of phase elements giving broadside and end-fire characteristics. It is a ½ wavelength high thereby using the ground as a reflector to give vertical incidence propagation. The array is 500 feet long, supported at each corner by a steel-lattice mast." The previous quotes from the broadcasting officer. (Henderson)

Radio Kiev, USSR has extended its xmsn time and now may be hrd not only on Mon. and Thurs., but also on Saturday in the English language to Europe and North America. (World Radio Bulletin)

Two changes in geographical names will take place during the month of June; Bechuanaland becomes the Republic of Botswana and British Guiana changes its name to Guyana. It has also been reported that several cities in the former Belgian Congo area have changed their labels to others of the African idiom.

(NSN..Newark Sunday News via Joe Fela, Jr.)

THE RADIO CANADA CENTENNIAL COMPETITION RULES

1. Any SWL living outside Canada is eligible to enter. The contest shall be limited to one entry per person. 2. The competition shall be for the best essay entered on the theme "Man and His World". This essay shall not have more than one thousand words and shall be type-written on one side of paper only, in one of eleven languages used by Radio Canada. "Man and His World" is the theme of EXPO 67, the Universal and International Exhibition which is being held in Montreal from April to October 1967. This theme will encompass broadly the following three points: a. How man's environment affects him. b. How man changes and improves his environment to realize aspirations. c. How, in turn, he is influenced by his new achievements. 3. There shall be twelve major prizes, each of which will consist of a seven day stay for 2 in Montreal to visit EXPO 67 during the period from May 15th to September 15th 1967. This includes two return airline tickets, accommodations in Montreal, free entrance to EXPO 67, and a daily allowance of \$20 Canadian, per couple for meals and other expenses. There will be secondary prizes for runners-up in the competition, consisting of publications about the Centennial of Confederation and about Canada proper. 4. The opening date for the competition will be July 1, 1966...closing date will be September 30th. Entries received in Montreal after midnight, 30th Sept. will not be valid. 5. Competition entries will be considered by a panel of experts, including a University professor, a member of EXPO 67 management and a senior member of Radio Canada acting as Chairman. 6. Winners will be announced in broadcasts of Radio Canada during the first week of January 1967. Winners will also be personally notified. 7. In order to enter the competition, official entry forms will be required and are available upon request. 8. All essays entered shall become the sole property of the Canadian Broadcasting Corporation, International Service. Every contestant shall be required to sign a statement to this effect on the entry form which must accompany the essay. 9. The decisions of the Panel of Judges shall be final. 10. All inquiries should be addressed to: Centennial Competition, Radio-Canada, P.O. Box 6000, Montreal, Quebec, Canada. (de Radio Canada Bulletin)

RADIO JAPAN, STATISTICS

de NHK

Number of languages used--23. Total hours of broadcasting per day--36. Transmitters and power--8, 100kw, 2, 50kw, 2, 20kw. The average number of letters received from listeners abroad, per year--43,782. Number of members in Radio Japan Clubs--330. The number of listeners receiving Radio Japan News--25,800. Number of employees--700.

DOMINICAN REPUBLIC

Contrary to reports of late, Radio Santo Domingo-TV is not using 3325 around 0200. Radio-TV Dominicana is using 6090 and 9505 twenty-four hours a day. Onda Musical or HIAS, is now back on the air on 3345. And lastly, to correct any misconceptions, the "Semana Aniversario" is no longer celebrated in this country. It was held only once, in 1960, has not been held since.

(Cesar Objio, Dom.Rep.)

: : :

ENGLISH SKED, RADIO BUCHAREST

de Radio Bucharest

Daily to North America: 2030-2130 on 9570, 6190, 7195, 9590, 11810, 11940. 2200-2230 on 9570, 9510, 6190, 6150, 9590, 11810, 11940. 2330-2400(0000) on 9510, 9570, 6190, 6150, 9590, 11810, 11940.

IS IT FOR BETTER OR WORSE?

WNYW, former WRUL, the only commercial SWBC station from the United States, has many plans for the future. New and more modern quarters, new xmtrs that are more powerful, etc...and we wonder if this may start some kind of trend towards commercialism of other SWBC stations. There are already those in LA and SA, but not par the power of WNYW. And the fact that said station is owned by the Mormon Church, it seems all the more strange/odd that it go commercial. Thus we ask, is it for better or worse that the power of Word be shunned and over-riden by the power of money? B.E.

Be sure to watch for the series of articles on Radio Americas in upcoming editions of Frendx. They will contain facts and data as compiled by top DXers in North America!!

Dan Henderson, Maryland

VQ04, Solomon Is.----card, letter, sked---33 days---3995.
 R. Tahiti----card in French----11 days----11825.
 R. Luxembourg----card in English----33 days----15350.

Marlin Field, Michigan

R. San Isidro, Honduras---personal letter in Spanish,
 picture postcard, stamps---3 weeks by air---4845.
 R. Euzkadi----QSL letter in Spanish, plus copy of a
 publication, "Gudari por una Euzkadi libre en una Europe
 unide"*---3 weeks by airmail----11260 & 13230.
 (* ? for a free Euzkadi in a united Europe. Anyone
 know meaning of "Gudari"?..don't think is Spanish. Ed.)
 R. Americas---QSL card, sked & pennant---2 weeks---6000.
 R. Belgrano, Argentina---card & personal letter---11780.

William Sparks, California

XERUU, R. Universidad de Chihuahua---letter, 2 picture postcards---39 days---6140.
 HISD, R. TV Dominicana---card---17 days---6090.
 CHU, Canada---card---7 days---7335.

Gerry L. Dexter, Wisconsin

BBC Bchuanaland Relay---letter and card.
 R. Juticalpa, Honduras---letter and card.
 R. Equatorial, Sp. Guinea---letter and card.
 R. Clube Paranaese, Brazil---letter & card.
 R. Univ. Chihuahua, Mexico--letter and
 two picture postcards.
 NAU3, US Navy, Ft. Clayton, Canal Zone---mimeo form.
 La Voz de San Raymundo, Guatemala---letter and certificate.

Danny Douglas, Texas

R. Ankara---card---airmail---15160.
 Finnish BC---card---after second request, 5 mos. after 1st rpt to SWEDX & 1 mo.
 after follow-up to the station.
 R. Wewak---card---16 days---3555. Card only gives tech data & thanks for interest.

Elias Coulouras, Massachusetts

ETLF---card---80 days---11875.
 CE970, Chile---card---12 days---9700.
 R. Iran---letter & card--50 days--11730.
 R. Nacional, Colombia--letter & pennant--
 --31 days----4955.
 R. Tashkent--card---72 days---9600.
 R. Warsaw---card---60 days---15120.

Pete Grenier, California

CBC, Canada---card---2 months---15320.
 " " ---card---3 weeks---9625.
 R. Nederland---card---3 months---9590.
 XEUDS, Mexico---card--1 week---6115.
 R. Portugal---card---1 month---6025.

Gary Phillips, Michigan

R. 4VEH, Haiti---50 days.
 Voice of Nigeria, Lagos---65 days.
 R. South Africa, Paradys---4 months.

Marvin Nelson, New York

Voice of Nigeria--card & sked--7 months.

Del Hirst, Texas

R. Beirut, Lebanon---card---61 days, by
 registered mail---9710.

Frank Peters, Illinois

Hong Kong Aeradio---8905.
 KEA20, F.M., Wake Is.--homebrew card-11228.
 VNG, Australia---card---12005.
 Also QSL's from PTP stations in France,
 Liberia, Austria, Gabon, Martinique &
 ACN, La Paz, Bolivia.

Gordon Schiff, Illinois

Vatican Radio---card & sked---46 days.
 R. Nacional de Espana---35 days.
 R. Canada---new "EXPO '67" card--20 days.
 RAE., Argentina---color card---2 months.
 R. Nederland, Bonaire---card---40 days.
 (Please include frequencies. Tnx! Ed.)

Ray Fansler, Illinois

R. Cotonou, Dahomey--card--120 days-4870.
 ACA, Canal Zone--form letter--26 days-4960.
 CU44, Portugal--letter--13 days-9097.5.



John Sgrulletta, New York

R. Fernando Poo, Sp. Guinea---card & travel book in Sp.---2 months---6250.
 R. Ghana---card---3 weeks---6110.
 TransWorld Radio, Monaco---card---6 weeks---7260.
 VOA, Philippines---card---1 month---15155. They always return my SASE.
 VOA, Ryukyu Islands---card---1 month---?. (This is VOA, Okinawa. Ed.)
 RNE, Canary Islands---form letter---3 months---11800.
 R. Brazzaville---card---13 weeks---?.
 R. Ankara, Turkey---card---19 days---15160.
 R. New Zealand---card---2 months---9540. Also sent pin and tiki.
 R. Clube do Mazambique---card---3 weeks---4835. Sent back my tape.
 Santa Maria Aeradio, Azores---homebrew card & letter---3 weeks---5611.5.
 VOA, Colombo, Ceylon---card---7 weeks---7275.
 SABC, South Africa---card---3 months---7270. Said were returning tape w/S.A. music.
 TIFC, Costa Rica---card---7½ months---9645. Acknowledged getting my second report,
 but only QSL'd first!Do any members have QSL's from either R. Globo or R. Reloj?
 At least 2 tapes to each has brought no answer.

Peter DeHart, Pennsylvania

R. Peking---Inc. sked & magazine--2 mos.
 ---15060.
 R. Beirut---2½ months---9710.

Ralph Inace, Jr., Connecticut

CFCF, Canada---2½ weeks. (CFCX. Ed.)
 HCJB, Ecuador---1 month.

John Kohser, Pennsylvania

R. Sofia---card & sked---1 month--6070.
 R. Kiev, USSR--card & sked--1 month--7300.
 R. Portugal--card & st. info--9 days by
 airmail---6025.

Alan Raylesberg, New York

R. Japan---card & sked--4½ mos--11780.
 D. Welle, Kigali--card & sked--5 weeks--
 --17805.
 SBC, Switzerland---card---1 month---
 --6080, 6120, 9535 all on one card.

Clarence Wahl, Kansas

R. Cairo R. Budapest R. Portugal
 R. Ghana---3 weeks.

Barry Deal, Nebraska

RNE, Spain---card---40 days---9615.
 SABC, South Africa---card, sked and
 SABC Bulletin---2 months---11900.

Warren Nordgren, Illinois

CFVP, Canada---card---9 days---6030.
 R. Beirut---card---10 weeks---9710.
 HISD, Dem. Rep.---card--3 weeks---6090.
 R. Baghdad---letter---3 months---6095.
 R. Kiev, USSR---card---4 weeks---7310.
 XEHH, Mexico City---letter--10 days--11880.

Iselard Beaupre, Connecticut

Radio Kiev now has a QSL card.

NOTE...Please include freq. verified,
 whether card or letter & approx. time
 QSLing took in all your reports. Thx!

--30--

DX PROGRAM POLL.....Which is your favorite DX program??? We'd like to know and you can supply us with that bit of information by writing your three favorites names or station on which it is broadcast; in order of preference.1-2-3..and sending your vote to: Mark Hosmer, 130 Beechmont Drive, Carmel, Indiana, 46032. All votes should be in by June 30th & results will be announced in the July issue.

SW CENTER ADDRESS SERVICE.....Have you had to pass up sending out a report or missed that rare QSL for lack of an address? Well, if this problem presents itself in the future, don't despair...instead get out that paper and pen and write for that needed address to: N.A.S. SW Address Service, c/o Mark Hosmer, 130 Beechmont Drive, Carmel, Indiana, 46032. A self-addressed, stamped envelope is required for reply.

June's "Gem of Wisdom"... "The average girl has more beauty than brains because the average man can see better than he can think." (de Richard Jenneman)



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HONDURAS....HRQ, R. Suyapa, 6125 was hrd here for the first time since 1962 with strong signals until 0400 s/off; lots of ID's using the call letters. This one QSL'ed promptly with a nice card in 1962. (Sparks)
ECHUANALAND....BBC Central African Relay at Francistown now is being heard on 4845 from 0400 s/on but signals are very weak in California. They also are subject to extreme QRM from SSB stations and a hetrodyne from R. TV Congolaise on 4843. (Sparks)
INDIA....The AIR International Svc. with English news was hrd at fair strength on 9575 at 1530. (Sparks)
CANARY ISLANDS....Radio Nacional de Espana on 11800

is now staying on the air until 0400. (Sparks) There is now a new Spanish xmsn for the Central & South Atlantic areas from this station at 2000-2345. (Ed.)

GHANA....R. Ghana has strong signals on 6110 at 0330-0430 with its xmsn to North America in English, featuring Ghanaian folk music. (Rowell)

ITALY....RAI, Rome seems to have deserted the old 9575 and 9630 freq.'s for nighttime programs to North America. Is now being hrd at 2230 s/on on 15385 and later hrd on 11810 at 2300 and on 11800 after 0200. (Rowell)

SWEDEN....Radio Sweden's xmsn to WCNA at 0230-0345 is only hrd irregularly due to XEHH, Mexico City being on same frequency with stronger signal. (Rowell) ...The same seems to be true as regards the eastern US xmsn..and Richard E. Wood advises as the Chairman of the Frequency Recommendation Committee, he has informed the Swedish Board of Telecommunications of the clash with the Mexican station. (Ed.)

MALAYSIA....The WRTVH 1966 lists the BBC Far East Station under heading of Singapore, yet the QTH is listed as P.O. Box 416 in Johore Bahru, Malaysia and the transmitters at Tebrau, Malaysia. A request for clarification as to correct location has been sent to Mr. Frost, publisher of the WRTVH. (Balbi) This may be another of those cases where the studios and xmtrs of a station are in widely separated spots or in separate geographical areas. ..For example..I imagine most MW DXers think they have hrd the state of West Virginia when they log WWVA, Wheeling on 1170 kcs. Actually only the station's studios are in Wheeling and the xmtr site which the listener is actually hearing is about 20 miles inside the state of Ohio to the west. (Ed.)

INTERNATIONAL WATERS.....A new shortwave station is Radio Corsair, Corsair House, 86 Toronto Road, Gillingham, Kent, England which is operating on 7540 kcs (50 watts) from a station located approx. 9 miles of No. Kent Coast in international waters. At present there are only low-power engineering tests, but full service is to be effective as from Summer 1966, with international programs. Verification is by letter, and IRC's are appreciated. The station ID's as, "This is Corsair calling, on fortyone for fun." (World Radio Bulletin) ..Anyone have any further info on this? (Ed.)

ALBANIA....Reportedly, Radio Tirana is using a new frequency of 6190 for its English language broadcast to the USA at 0000. (World Radio Bulletin)

ECUADOR....HCJB is using a new frequency of 15325 kcs (replecing 15115) in // to 17880 for xmsns to Europe in the evenings up to 2200. (World Radio Bullotin)

AUSTRIA....According to "Arbeiterzeitung", Vienna, starting May 1st, the Austrian SW Svc. started to use it's first two 100 kw. xmtrs. The station is located at Moosbrun near Vienna. A third station will follow in Nov. 1966 and the fourth in Spring 1967. Estimated costs of the project amount to \$2,500,000. The above source gives the output of the old xmtrs as 15, 20 and 50 kw. (World Radio Bulletin)

GREECE....From May 1st onwards, the sked of the Hellenic National B/C Institute reads: 0700-0815 on 7295 & 9605 to Cyprus...0900-1000 on 11720, 9605 to Egypt... 1030-1300 on 7295 & 9605 to Cyprus...1330-1515 on 9605 & 7295 to Turkey/Balkans... 1630-1700 on 7295 & 9605 to Cyprus/N.East...1730-1800 on 11720 & 15345 to France & England...1830-1900 on 7295 & 9605 to Cyprus...1930-2100 on 11720 & 15345 to No. We. Europe...2200-2230 on 15345 & 11720 and 2300-2330 on 11720 & 15345 to seamen. (WRB)

))))))))) NEW HOURS OF OVERSEAS TRANSMISSIONS
ON SHORTWAVE BY RADIO-LEBANON ((((((((((

As from May 1st, 1966, the Lebanese Broadcasting System's overseas programmes on shortwave beamed at Africa, North and South America and Europe, will be transmitted at the following hours:

Programmes transmitted to Africa will be broadcast nightly from 1830-2030 on 19.74 meters or 15200 kcs in the following order:

- English programme....1830-1900 GMT
- ***** Arabic programme.....1900-2000 GMT *****
- French programme.....2000-2030 GMT

Programmes transmitted to South America will be broadcast nightly from 2300-0100 on 19.69 meters or 15235 kcs, in the following order:

- Portuguese programme....2300-2330 GMT
- ***** Arabic programme.....2330-0030 GMT *****
- Spanish programme.....0030-0100 GMT

Programmes transmitted to North America, the United States, Canada, Mexico, Antilles and Europe, will be broadcast nightly from 0130-0400 on 25.51 meters or 11760 kcs, in the following order:

- French programme....0130-0200 GMT
- Arabic programme....0200-0230 GMT
(to the U.S. East Coast)
- ***** English programme...0230-0300 GMT *****
- Arabic programme....0300-0330 GMT
(to the U.S. West Coast)
- Spanish programme...0330-0400 GMT

Omnidirectional shortwave transmissions will be broadcast daily as follows: from 0430-0730 GMT, and from 1415-1820 GMT, on 50.17 meters or 5980 kcs; and from 0930-1400 GMT on 51.43 meters or 9545 kcs.

(De Lebanese B/C System via Del Hirst, Sam Rowell, Victor Jaar and Peter DeHart.)

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?????????? UNIDENTIFIED STATIONS ???????????

- 2245 11900a Unknown station in English w/YL announcer, US rock & roll music from about 3 yrs ago. Hrd to 2315 ann., "....., now ending 1½ hour transmission in English", then switched to Arabic. (Phillips) This is most probably Cairo on 11915, European xmsn. (Ed.)
- 0100- 4890 An unidentified Latin-American station is being hrd around this
0200 time, several hundred cycles below YVKB. QRM from the latter make readability difficult. (Hill)
- 0630 4960a Station in Bogota, Colombia w/Sp. programming, seemingly IDing as "R. Santace" or "sesenta y seis" (66). (Noznick) This was most likely Radio Santa Fe, listed for 4965. (Ed.)
- 0107 5970a Station with Spanish and music...ID of "La Voz de Excelente" cut into music being played...no location mentioned. (Noznick)
- 1300 11760 Unidentified jammer now jamming Radio Hanoi's Eng. xmsn every morning. This is surely a switch! (Henderson) ...Jamming might be intended for R. Free Europe outlet on this frequency. (Ed.)
- 1858- 15295 Unidentified station hrd here w/French programming on 5/2. Is it
1918 Cuagadougou? (Upper Volta) (Rowell)
- 1410- 5955a Sp. numbers hrd 5/16. 3-digit groups read rapidly, no US accent. (Ed.)
- 1421 s/off.

NASA SWEC SCOREBOARD

<u>DXer</u>	<u>HIC</u>	<u>VIC</u>	<u>Prized QSL</u>	
Don Jensen, Wisconsin	184	175	Radio Rarotonga	1
Frank Peters, Illinois	174	166	Comores Islands	2
Bill Sparks, California	158	146	Dili, Timor	3
Peter Drew, W. Australia	140	112	CHNX, Canada	4
Gregg Calkin, New Brunswick	132	114	Radio Tarawa	5
Dan Henderson, Maryland	130	93	VQ04, Solomons	6
Marlin Field, Michigan	128	111	Mt. Kenya Reg. St.	7
Ray Fansler, Illinois	121	77	XZK3, Burma	8
Bill Eddings, Pennsylvania	119	103	DZB2, Philippines	9
Leo Fleury, New York	119	77	Radio Vilnius	10
Warren Nordgren, Illinois	113	80	Fernando Poo	11
Dan Wilt, Ohio	105	84	Radio Sabah	12
Danny Douglas, Texas	103	66	Radio Asmara	13
Peggy Stobb, New Jersey	100	24	Radio Australia	14
Victor Jaar, Haiti	100	7	Radio Tahiti	15
Doug Benson, New Hampshire	99	94	Radio Togo	16
Del Hirst, Texas	99	66	VRH10, Fiji Is.	17
Ron Luyster, Ohio	99	16	Radio Eufreica	18
Roger Parker, Illinois	95	64	Radio Tahiti	19
Alex Primm, Missouri	94	66	Radio Malaysia	20
Gary Fredricks	94	61	VQ04, Solomons	21
Jim Howard, Missouri	87	72	Radio Reunion	22
Cesar Objio, Dominican Republic	85	24	Radio Portugal	23
Ralph Irace Jr., Connecticut	84	27	Radio Sofia	24
Ronnie Verner, Georgia	83	59	Radio Ankara	25
John Arthur, California	83	54	Radio Hargeisa	26
Tim Davisson, Ohio	82	59	Radio Mauritania	27
Bernard Koenig, Saskatchewan	80	74	Radio Ceylon	28
Elias Coulouras, Massachusetts	80	59	Radio Tahiti	29
Jack Widner, Indiana	79	38	DZH9, Philippines	30
Gary Wilburn, Ohio	76	30	VLX9, Australia	31
Jim Gallucci, Oregon	75	41	Radio Brunei	32
Mark Hosmer, Indiana	73	54	Radio Tahiti	33
Jerry Headen, North Carolina	73	48	R. Santa Isabel	34
Marvin Nelson, New York	70	15	R. New Zealand	35
Adelard Beaupre, Connecticut	65	52	Radio Cairo	36
Mike Leuchtefeld, Illinois	64	51	VOFK, South Korea	37
John Pirnet, Ohio	64	45	Radio Abidjan	38
Bill Stevens, Pennsylvania	63	60	Radio Ceylon	39
Phil Zucchi, Massachusetts	62	50	Radio Tirana	40
Al Raylesberg, New York	62	40	Radio Amman	41
Herb Donehoo, Georgia	62	26	Radio Canada	42
Don McKenzie, California	61	44	Voice of Vietnam	43
Mike McElhatton, Pennsylvania	60	49	Radio Ulan Bator	44
Grant Wennerstrom, California	60	14	R. New Zealand	45
Fred Adams, Indiana	59	51	Radio Somalia	46
Mike Lee, New York	59	48	Radio Pakistan	47
George Zeller, Ohio	58	38	VLX9, Australia	48
Frank Fowler, Labrador	56	42	Radio Australia	49
Tim Hartman, Missouri	55	35	VLX9, Australia	50
Carl Goodling, Pennsylvania	50	39	R. New Zealand	51
Odis Woodward Jr., Tennessee	50	35	Radio Amman	52
Peter DeHart, Pennsylvania	49	19	Radio Baghdad	53
John Hartman, New York	48	30	Radio Tirana	54
Steve MacArthur, New York	45	22	Radio Brazzaville	55

<u>NASA-FRENDX</u>	<u>SHORTWAVE CENTER</u>		<u>JUNE '66</u>	
<u>Scoreboard (cont.)</u>	<u>HIG</u>	<u>VIC</u>	<u>Prized QSL</u>	
Ray Boik, Michigan	45	16	Radio Sweden	56
Bill Gavin, Illinois	45	14	SBC, Switzerland	57
Andy Noznick, Illinois	44	30	Voice of Nigeria	58
Peter Glenn, New Jersey	43	34	Austrian Radio	59
John Patton, Pennsylvania	43	19	HCJB, Ecuador	60
Rick Warner, Oregon	42	33	Port Moresby, N.C.	61
Clarence Wahl, Kansas	42	21	Radio Japan	62
Jerry Green, Virginia	40	34	Radio Peking	63
Jack Page, Mississippi	38	24	Kol Zion, Israel	64
Edward Brhel, New York	36	23	Radio Kiev, USSR	65
Don Herbert, Pennsylvania	36	21	Radio Australia	66
Gordon Schiff, Illinois	36	15	Voice of Nigeria	67
Bob Taylor, West Virginia	36	13	Radio Australia	68
Gary Phillips, Michigan	35	23	R. South Africa	69
John Wedel, Texas	32	12	SBC, Switzerland	70
Gary Wallin, Iowa	30	16	Radio Brazzaville	71
John Kohser, Pennsylvania	30	13	ORTF, Paris	72
Bob Zobot, Virginia	29	19	Radio Australia	73
Mike Scott, Quebec	28	25	DZFB, Philippines	74
Larry Bennett, New York	28	25	CJCX, Canada	75
Debbie Wygal, Kentucky	27	3	HCJB, Ecuador	76
Ted Templeton, Pennsylvania	26	25	Radio Portugal	77
Dan Shoaf, Texas	24	2	W1NB, Pennsylvania	78
Greg Bovee, Michigan	23	9	Radio Sofia	79
Nick DiGiorgi, Connecticut	22	11	VOA, Tangier	80
Jim Thornton, California	17	10	Radio Sofia	81
Charlie Loudenboomer	12	7	Radio Port Villa	82
Harry Leon, California	12	6	VOA, Greenville	83
Earle Conquest, Dist. of Columbia	6	6	Radio Australia	84

This Month's SW Center Reporters

August Balbi, California	Ray Fansler, Illinois	Tim Davisson, Ohio
Bill Sparks, California	Gordon Schiff, Illinois	Harr Leon, California
Joe Fela Jr., New Jersey	Peter Grenier, California	Bert Pastor, Ontario
Dan Henderson, Maryland	Frank Peters, Illinois	Jim Thornton, California
Marlin Field, Michigan	Elias Couloaras, Mass.	Del Hirst, Texas
Mark Hosmer, Indiana	Danny Douglas, Texas	John Lindgren, Calif.
Adelard Beaupre, Connecticut	Gerry Dexter, Wisconsin	Jerry Stuart, Oklahoma
Warren Nordgren, Illinois	Marvin Nelson, New York	Odis Woodward jr., Tenn.
Barry Deal, Nebraska	Robert Hill, D.C.	Greg Bovee, Michigan
Clarence Wahl, Kansas	Sam Rowell, Washington	Mike Leuchtefeld, Ill.
Alan Raylesberg, New York	Andy Noznick, Illinois	Ralph Irace Jr., Conn.
John Kohser, Pennsylvania	Paul Donegan, California	Richard E. Wood, Ind.
Peter DeHart, Pennsylvania	Richard Jenneman, Wisc.	Gary Phillips, Michigan
John Sgrulletta, New York	Richard Hempfield, Calif.	Victor Jear, Haiti
Bill Eddings, Pennsylvania	World Radio Bulletin	Your editor, Ohio.

Last Minute Items...Rcvd at Press Time.....de Richard E. Wood, Indiana:

<u>0200</u>	11720	BBC, Limassol, Cyprus hrd at 0255 s/on with Bow Bells several nights.
	11710	R. Cairo, E gypt uses this new freq. for L.America to 0230 s/off.
<u>0400</u>	15430	Austrian Radio hrd w/ID's in Ger., Eng., Fr. & bad Sp. for C.America.
	15400	ETLF, Ethiopia hrd 0445 w/Eng. ID, s/off at 0500.
	9660	RNE, Canary Is. hrd w/s-off, 04500. QPM de Radio Liberty.
<u>2200</u>	9525	SABC, S. Africa heard with English for Great Britain.

73.
ROA

LOGGINGS



REPORTS

All GMT

All GMT

- 0000 17650 R. Peking, China hrd to 0300, //15060 w/Eng. to ECNA. (Balbi) (Field)
 11770 Vatican Radio hrd w/Sp. to S. America, 0030-0045. (Rowell) 5985 hrd
 at 0050 s/on to N. America in English. (Raylesberg)
 11795 Deutsche Welle, Koln, GFR hrd to 0300 w/German to ECNA. (Rowell)
 11835 R. 4VEH, Haiti hrd w/religious program in French. (Rowell)
 11785 R. Guaiba, Brazil hrd w/mx, nx & ID's. (Dexter)
 5960 La Voz de Occidente, Honduras hrd 0050 w/mx & frequent ID's. (Dexter)
 11920 R. Berlin Int., GDR noted 0003 in German with music. (Pestor)
 15160 Voz de la CEA, Washington (via VOA) hrd in Spanish to 0030, //11940
 & 9640. (Jaar)
 15150a R. Corporacion, Santiago, Chile hrd w/classical mx to 0055 once, then
 s/off. (Jaar)
 15120 Polish Radio, Warsaw hrd in Spanish at 0000. Earlier at 2350 is cover-
 by Vatican Radio. (Jaar)
 11910 R. Budapest, Hungary now uses this freq. to N.A. Eng. hrd at 0040.
 (Jaar) (Hirst) //9836a. (Bovee)
 11735 R. Beograd, Yugoslavia hrd w/IS at 0058, then Spanish. (Jaar)
 15235 R. Beirut, Lebanon hrd in Sp. on this new outlet to 0100. ID's as
 "La Voz de Libano". (Jaar)
 4915 R. Ghana hrd w/s-off in French at 0002. (Hirst)
 9703 R. Sofia, Bulgaria hrd w/Eng. nx to 0009, then ID. Freq. given is 9700,
 but actually are on 9703. (Hirst) (Woodward)
 9755 ORTF, France hrd w/talk in French, ID 0015; in Sp. after 0030. (Hirst)
 & (Woodward)
 9715 R. Nederland hrd at 0030 s/on in Dutch. (Hirst) 11730 in Eng. (Field)
 11780 BBC, London hrd here w/very clear xmsn. (Hirst) 6110 hrd 0031 with
 "Listener's Club". (Woodward)
 4995 R. Tropico, Honduras hrd 0015 w/L.American mx. (Nordgren)
 4985 La Cruz del Sur, Bolivia hrd 0030-0100 w/Spanish relig. prog. (Nordgren)
 15230 R. Havana Cuba hrd 0045 in Sp. w/political talk. (Lindgren)
 5025 R. Dif. A Voz da Amazonas, Brazil hrd w/best signal ever on 4/28; pop
 music show & all Portuguese announcements. (Henderson)
 5030 R. Continente, Caracas, Venezuela hrd w/Sp. talk, ads. (Henderson)
 5040 Ecos del Zulia, Maracaibo, Venezuela hrd faintly due to QRM & QRN at
 0005. Sp. annc.'s by OM. ads and Latin music. (Henderson)
 5045 R. Mundial & R. Imperial, Brazil both hrd on this freq. on top of each
 other at 0010. Clear ID's around 0000 for both. These stations "kill"
 each other due to exact or near same freq. (Henderson) Both are listed
 for same freq., 5045. Mundial is in Rio & Imperial in Petropolis. (Ed)
 5065 R. Libertad, clandestine, hrd w/Sp. nx 0000-0015, then US pop mx. All
 Sp. annc.'s. Where is station located? (Henderson) Not definite on
 QTH at this time. (Ed) 15050 noted at 0030. (Noznick)
 4865 R. Clube do Para, Belem, Brazil hrd at 0015 w/fair to good sig; Port-
 ugueuse mx, announcements & ads. (Henderson)
 11715 SEC, Switzerland hrd 0000 closing Portuguese xmsn. (Field)
 6115 XEUDS, R. Universidad de Sonora, Hermosilla, Mexico hrd 0009-0057
 w/cultural music. (Leon)
 9700 La Voz de Chile hrd in Spanish w/music and ads. (Coulouras)

- 0000 9685 R. Kiev, USSR hrd 0030 w/Eng. mailbag. (Nelson) Sure of this freq.? Stand by...another club does report them this freq. Anyone have a new complete sked from Kiev? (Ed.)
- 15370 R. Tupi, Rio, Brazil hrd w/IS & Sp. ID at 0000. (Schiff) Probably Portuguese, not Spanish. (Ed.)
- 9690 RAE, Argentina hrd 0005 w/Eng. nx in N.A. xmsn, then into Sp. at 0011 w/ID. (Noznick)
- 15175 VOA, Honolulu, Hawaii noted 0030 closing Eng. xmsn. The relay at Malolos, Philippines is sked to s/on this channel at 0030 but didn't do so. (Hill)
- 17830 W.A. Poro, Philippines tuned 0026-0030 w/IS, then Burmese xmsn. Was extremely weak. Not audible on listed dual 21570. (Hill)
- 17880 Khabarovsk, Asiatic USSR hrd in Quechua around 0040, // 15140 & 15180, possibly others. (Hill) Quechua is one of the South American Indian languages. (Ed.)
- 11820 TransWorld Radio, Bonaire hrd 0040 w/music. (Woodward)
- 0100 5954 R. Casino, Puerto Limon, Costa Rica hrd w/symphonic orchestra conducted by Arthur Rubenstein. (Peters)
- 11760 R. Beirut, Lebanon hrd 0130-0400 to N.A. Eng. nx at 0230. Moved from 9575. Strong. (Balbi) (Rowell) (Ed.)
- 9580 R. Cairo, Egypt hrd at 0130 s/on to N.A. Eng. nx at 0145. 0300 s/off. Moved from 9595. (Balbi) (Hirst)
- 11715 SBC, Switzerland hrd w/xmsn to N.A., 0115-0245. Eng. at 0115-0215, // 8120 & 9535. (Rowell) 11715 (Coulouras) 9585 (Grenier) (Davisson) & (Woodward)
- 9505 PRB22, R. Record, Sao Paulo, Brazil hrd w/pop mx and frequent Portuguese announcements. (Sparks)
- 9503a R. TV Dominicana, Dominican Republic hrd w/classical mx & Spanish announcements. Definetly between 9505 & 9500. (Sparks)
- 10530 R. Alma Ata, Kazakh SSR hrd w/local programs, mx & talk. (Dexter)
- 11890 R. Berlin Int., GDR hrd w/xmsn for ECMA, // 9730. (Pastor) 11890 (Coulouras)
- 17885 R. Peking, China hrd 0120 in Spanish to L.America. (Jaar) (Ed.) 17680 again in use w/Eng. to N.A. Hrd 0122 w/political commentary. (Hill)
- 14520 R. Pyongyang, N. Korea hrd 0100-0150 in Spanish. // 11750 is covered by the BBC. (Jaar)
- 11738 XEMP, La Charrita del Cuadrante. Mexico City noted here. (Jaar)
- 11710 All-India Radio, Delhi hrd 0100-0115 s/off with Eng. news. (Jaar)
- 7250 Vatican Radio hrd w/Eng. to N.A., // 15120, 9645 & 5985 to 0107 s/off. Hrd in French to Canada at 0110 on 7250, 9645 & 5985. (Jaar) 5985 (DeHart)
- 7200 R. Beograd, Yugoslavia hrd w/IS, then Spanish. (Jaar)
- 6160 Voice of Islam, Saudi Arabia hrd 0120 in Arabic under QRM, // new 41 m. outlet. (Jaar) What is 41 m. frequency? (Ed.)
- 6150 R. Bucharest, Rumania hrd 0115 in Portuguese. (Jaar) 11810 hrd 0145-0225 in English to N. America. Much QRM. (Donegan)
- 6020 El Eco de Sotavento, Veracruz, Mexico good at 0130 but QRM. (Jaar)
- 3985 Escuelas Radiofonicas Popular, Riobamba, Ecuador hrd 0100, QRMed. Better at 1900 s/on. (Jaar)
- 17870 R. Australia hrd 0110-0115 w/mailbag to Asia, weak. 17840 // 15220 hrd to North America. (Hirst) 17840. (Bovee)
- 9590 R. Nederland, Bonaire hrd w/Eng. to N.A. at 0130. (Hirst) (Grenier) (Jenneman) (Woodward)
- 11910 R. Budapest, Hungary hrd 0155 in Eng. (Hirst) // 9833 (Woodward) Sked 0130-0200. (Ed.)
- 11880 R. Sweden hrd 0145 w/xmsn to N.A., almost buried under XEHH. (Hirst) (Coulouras) (Noznick) This is poor choice for Sweden to make in freqs for N.A., owing to wide reception of XEHH, Mexico City. (Ed.)

- 0100 9640 D. Welle, Koln, GFR hrd 0135 w/Eng. nx & ID. (Douglas) (Jenneman) & (Woodward) Sked 0130-0230. (Ed.)
- 9510 BBC London hrd 0140 w/Eng. religious service. (Douglas) 11820 hrd 0140 w/"Investment in Education". (Phillips)
- 4870 Tentative logging of R. Cumana, Venezuela on this freq. at 0135 with Spanish talk & ID's. (Douglas)
- 11875 R. Sociedad da Bahia, Brazil hrd to 0130 w/mx, ads & news. (Fansler)
- 11810 RAI, Italy hrd 0115 with Spanish xmsn to S. America. (Sgrulletta)
- 11825 R. Jornal do Comercio, Recife, Brazil hrd 0108-0200 w/mx & ads. (Field)
- 11990 R. Prague, Czechoslovakia hrd w/nx & mx to N.A. (Bovee) (DeHart) (Phillips) // 5930 & 7115. (Woodward) (Noznick)
- 4955 R. Nacional, Bogota, Colombia hrd in Spanish. (Coulouras)
- 9700a R. Sofia, Bulgaria hrd ending English xmsn at 0100. (Nelson)
- 9760 RNE, Spain hrd w/English xmsn to North America. (Noznick)
- 3280 WIBS, Grenada hrd 0133 w/Eng. pop mx, then BBC nx at 0200. (Noznick)
- 11720 CBC, Canada hrd 0130 on 4/29 w/St Stanley Cup playoffs. (Phillips)
- 15332.5 Colombo, Ceylon is occasionally audible 0100-0115 s/off, tho no such xmsn is listed in WRTH. Nx in Eng. once hrd 0104-0107. (Hill)
- 17775 Khabarovsk, Asiatic USSR hrd // 17890 at 0125 in Spanish. (Hill)
- 6070 CFRX, Toronto, Canada hrd 0145 with music. (Woodward)
- 0200 11945 D. Welle, Koln, GFR hrd in Eng. & Fr. to ECNA till 0250, // 9640. (Balbi) 9545 hrd 0230 w/DX program in Eng. & German on 5/9. (Pestor)
- 11885 R. Pakistan hrd w/Eng. nx. Severe QRM de VOA on 11890. (Balbi)
- 17720 Voice of Free China, Taiwan has Eng. to N.A. at 0250-0350. (Balbi)
- 11800 RAI, Italy hrd till 0330 in Italian. QRM de RNE, Canary Is. (Rowell)
- 11880 R. Sweden hrd w/xmsn to WCNA, 0230-0345, Eng. at 0315-0345. QRM de XEHH, Mexico City. (Rowell)
- 4985 CP75, La Cruz del Sur, La Paz, Bolivia hrd 5/8 to 0240 s/off w/religious mx & English announcements. CW QRM. (Sparks)
- 17840 R. Australia noted 0230 w/Australian nx. This freq. seldom hrd here at present. (Pestor) (Grenier) (& (DeHart))
- 11760 R. Beirut, Lebanon hrd 0200 in Arabic & 0230 in Eng. (Pestor) (Hirst)
- 15425 VLX15, Perth, Australia noted 0230 with news. (Jaar) (Henderson)
- 15095 R. Peking, China, very good at 0245 w/Spanish to L.America. (Jaar)
- 11710a R. Cairo, Egypt using this new outlet. Hrd 0200 in Arabic. (Jaar) 11745 hrd w/Arabic chants and preaching. (Hirst)
- 7170 VOA, Tangier, Morocco hrd 0245 in Arabic w/UN prog. on Kuwait. (Jaar)
- 5040 R. Tbilisi, Georgian SSR hrd daily after 0200. Relays R. Moscow at 0300. (Jaar)
- 11715 SFC, Switzerland hrd in Eng. 0200-0212 s/off, // 6120 & 9535. (Hirst) 9535 (Douglas) (Phillips) 6120 (DeHart) (Woodward) 11715 (Jenneman)
- 3265 R. Demerara, British Guiana hrd w/Eng. nx. (Nordgren) Hrd 0230 w/mx, ID, tune "Greensleeves", then nx. ID & anthem at 0248 s/off. (Sgrulletta)
- 15370 R. Tupi, Brazil hrd 0215 in Portuguese w/talk & ads. 11765 outlet hrd 4/17 very strong w/sporting event. Sig. strongest ever here. (Henderson)
- 15300 R. Japan, Gen. Svc. hrd w/Eng. 0200-0215, Japanese 0215-0230. (Henderson)
- 7770a VOA, Greenville hrd 0245 w/Eng. nx, music 0300-0400, then Eng. ID & into Russian. Unusual freq. (Field) Probably a point-to-point relay. (Ed)
- 11915 HCJB, Ecuador hrd w/"Ecuadorian Echoes" nightly, 0200-0430, // 15115 & 9745. (Field) "DX Party Line" hrd 5/9 at 0232. (Bovee) 11915 (Phillips) & (Woodward)
- 6025 R. Portugal hrd w/nx & music at 0215 to N.A. (Grenier) (Woodward)
- 5955 TGNA, Guatemala hrd 0200-0300 daily w/Eng. religious program. (Kohser)
- 9520a R. Tirane, Albania hrd 0230-0258 close w/Eng. to N.A. ((Raylesberg)
- 9690 RAE, Argentina hrd 0215 w/music & Spanish conversation. (Phillips)
- 7130 BBC, England hrd with music and news. (Woodward)

0300 15095 R. Peking, China hrd to 0500 to WCNL, //11820. Latter QRMd by Trans World Radio. (Balbi)

9505 R. Prague, Czechoslovakia hrd 0330 w/Eng. nx, //7345, 7115, 11990 & 5930. (Balbi) (Sparks)

6095 R. Mogadiscio, Somali Rep. hrd 0300-0420. Eng. 0320. (Rowell) (Hill)

5925 R. Portugal hrd w/"Voice of the West" in Eng. to Canada. (Rowell)

6110 R. Ghana hrd w/Eng. to N.A., 0330-0430. (Rowell) (Leon) (Noznick) (Hill)

11850 R. Norway hrd 0300-0430 in Norwegian. (Rowell)

11795 D. Welle, Koln, GFR hrd w/German to WCNA, 0300-0600. (Rowell) 9565 hrd in German. (Hirst) 9530 hrd at 0300 w/IS & Eng. to SE Asia. (Raylesberg)

6200 R. Nacional de Colombia, drifting all over upper portion of 49 m. band. Hrd this frequency w/classical mx on 5/10. (Sparks)

11875 R. Berlin Int., GDR hrd w/English to N.A., 0345-0415. (Sparks)

11880 R. Sweden now on this freq. for N.A. xmsn. XEHH QRM. (Sparks) (Hirst) English at 0315-0345. (Hirst) (Bovee)

11760 R. Beirut, Lebanon hrd w/N.A. xmsn in Arabic & Spanish at 0330. (Sparks)

11800 FNE, Canary Islands hrd w/Sp. guitar mx. S/off is 0400 daily. (Sparks) Lindgren) Emtr site is at Santa Cruz on Tenerife. (Ed)

7140 BBC, Cyprus hrd 4/25 w/World Service news. (Sparks)

6125 HRQ, R. Suyapa, Honduras hrd w/LA mx & many ID's. 0400 s/off. (Sparks)

3382 R. Barcelona, Venezuela hrd 0335 w/mx, freq. use of bells & ID's. (Dexter)

6040 La Voz del Tolima, Colombia hrd w/mx, ads & frequent ID's. (Dexter)

3305 La Voz de la Patria, Caracas, Venezuela hrd 0354-0356a s/off w/music, ID's & frequencies. Much QRM. (Ed.)

5980 R. Panamericana, Peru hrd 0315 w/LA programming, nx & mx. (Dexter)

15125 Voice of Free Korea, Seoul hrd 0305 in English. (Jaar)

15105 NHK, Japan hrd w/Eng. nx. S/off 0330. (Jaar) //15195 & 15300. (Hirst)

6100 La Voz del Volante, Portoviejo, Ecuador (5 kw.) noted 0345 under D. Welle. (Jaar)

6030 R. Baghdad, Iraq noted 0310 w/Koran chants under VOA-Greenville. (Jaar)

4995 HRQW, R. Tropic, Tela, Honduras noted till 0400 s/off. (Jaar)

4916 R. El Trebol. Zaruma, Ecuador noted to past 0300 w/mx & ID. (Jaar)

4914 La Voz del Pacifico, San Lorenzo, Honduras signs off at 0300. (Jaar)

5965 VOA, Tangier, Morocco hrd 0305 with English news. (Jaar)

15545 Voice of Free China, Taiwan hrd at 0349 s/off. Announced //11825 & 11860. (Hirst) 15345 (Leuchtefeld) Sked 0250-0350. (Ed.)

11825 R. Tahiti hrd in Tahitian at 0340. Heavy QSB. (Hirst)

11820 TWR, Bonaire hrd w/Eng. nx to 0337, then music. (Hirst)

11795 Leopoldville, Congo hrd 0355 with French and music. (Hirst)

17775 Riazan, USSR hrd 0340 relaying R. Moscow in Eng. Weak & hetrodyned. (Hirst)

15435 R. Cairo, Egypt hrd w/Arabic chanting. Weak. (Hirst)

11725 SBC, Switzerland hrd at 0300 s/on in Spanish to L. America. (Hirst)

17870 R. Australia hrd 0355-0400 to S.E. Asia, //21540 & 15240. (Hirst)

15425 VLX15, Perth, Australia hrd w/market rpt on 5/5, horse race on 5/7. (Hirst)

15130 R. Moscow, USSR hrd 0353 w/Eng. ID & talk on airliners. (Douglas) Where is this xmsn directed? (Ed.)

4780 YVLA, La Voz de Carabobo, Valencia, Venezuela hrd fair 0245-0304 s/off w/national anthem. All Spanish. (Henderson)

4780 HIAS, Onda Musical, Dominican Republic hrd 0310-0330 after YVLA s/off w/Spanish, ads, YL and OM announcers. (Henderson)

5804 R. Sanaa, Yemen hrd 0330 w/chanting. Fair to poor level, but in the clear. Language sounded like Arabic. (Henderson)

5050 R. Tanzania hrd w/music & ads 0350-0400, then news. (Fensler)

3346 R. Zambia, Lusaka hrd w/fish eagle IS at 0344, then nx in unid. language. Very weak. (Fensler)

4820 HRVC, Honduras hrd 0315-0330 w/"Songs in the Night" prog. (Sgrulletta)

9760a RNE, Spain hrd nightly w/Eng. weak. (Field) (Noznick) (Woodward)

0300 6135 R. Havana Cuba on this freq. 0330-0600 & on 9525 at 0100-0600 to North America. (Bovee)
 9833 R. Budapest, Hungary hrd w/English xmsn to N. America. (Donegan)
 11920 R. Berlin Int., GDR transmits to WCNA in Eng. at 0345 & 0445, in // with 11785. (Donegan)

0400 11780 ZL3, New Zealand hrd till 0545. Moved from 15280. (Balbi)
 4845 BBC Central African Relay, Francistown, Bechuanaland hrd w/nx and pop mx. Very weak and heavy QRM. (Sparks)
 7270 R. South Africa, "Voice of South Africa", new international svc. hrd 0415 w/Eng. nx. Powerful signal. (Sparks) 3320, RSA African Svc. hrd. 3285 RSA English Svc. hrd here. 3250, RSA, Springbok Radio, Commercial Svc. hrd this frequency. (Sparks)
 11920 R. Berlin Int., GDR hrd w/Eng. to WCNA, 0445-0515, // 11785. (Sparks)
 5935 R. Continental, Peru hrd 0430 w/mx & ID's, usual programming. (Dexter)
 9510 R. Bucharest, Rumania very good in Eng. at 0445. (Jaar)
 7090 R. Tirana, Albania noted in English, ending 0430. (Jaar)
 6065 XEXG, Mexico City noted 0410 with QRM de R. Havana Cuba. (Jaar)
 6010 YSS, R. Nacional, El Salvador hrd to 0500 s/off, // 9555 & 655. (Jaar)
 3345 Onda Musical, Santo Domingo, Dominican Rep. hrd 0445. Latest Dominican station on 90 metres. (Jaar)
 3315a Ondas Quevedenas, Quevedo, Ecuador noted here for several months. Can now be hrd to after 0700 w/very good sigs. Obviously more power is used. Announces s/on time as 1100. (Jaar)
 11930 R. Havana Cuba hrd in Spanish. ID at 0430. (Hirst)
 11915 HCJB, Ecuador hrd 0415 w/Eng. religious prog. (Hirst) // 9645. (Bovee)
 15220 R. Australia hrd w/E. Africa & Madagascar xmsn, mailbag to 0415, then "News from Home". 15245 to Far East hrd 0405. (Hirst) (Douglas)
 4955 R. Nacional, Bogota, Colombia hrd w/piano music. (Hirst)
 15300 R. Japan hrd at 0400 s/on in Eng., // 15195 & 15105. (Hirst) 15195 (Douglas)
 15140 Petropavlovsk or Riazan, USSR hrd strong but muffled modulation. (Hirst)
 15110 XEPM, Mexico City hrd w/ads & ID at 0415. Listed as XERR in WRTVH. (Hirst) XEPM is call of main NW outlet, XEHI is 11880 outlet and XERR is call of outlet on 15110. (Ed.)
 15050 R. Libertad, clandestine hrd w/US pop mx, ID at 0428. (Hirst) 7295a hrd 0420 w/Spanish, Rock & roll and Hawaiian music. (Donegan)
 15102 R. Peking, China hrd in Eng. w/chorus mx, ID 0454, S/off at 0455. Tentative 15025 in Chinese. oriental mx. S/off w/"Internationale" at 0456. (Hirst) 11920 hrd w/Eng. ID at 0444½, anthem at 0455. (Lindgren)
 4965 R. Santa Fe, Colombia hrd 0420 w/guitar mx, singing, ID at 0512. (Lindgren)
 15370 ETLF, Ethiopia hrd w/Eng. & Arabic s/on, then Arabic xmsn to the Gulf & Arabian Peninsula area on Tuesdays, Wed. & Thurs. (Douglas)
 15110 R. Kiev, USSR hrd 0425, then YL w/s-on in unid. language. Eng. heard later at 0445. (Douglas)
 4895 R. Ghana hrd 0435 w/African Svc. in Eng. ID & IS at 0444. (Douglas) 6110 hrd w/pop mx 0420 in N.A. Svc. (Noznick) N.A. Svc. 0330-0430. (Ed)
 3300 R. Belize, Br. Honduras hrd 0428 w/religious prog. ID by YL at 0426, s/off with anthem at 0428. (Douglas)
 11825 R. Tahiti hrd w/Tahitian programming 0400, island mx & talks. French at 0500. (Henderson)
 4833 R. Clube de Mozambique, very strong 0400-0500 w/pop mx. Eng. ads but talk in foreign language. (Fensler)
 6206a Radio Reloj, Costa Rica hrd 0400-0500 w/mx program, Spanish annc.'s. Verified in 4 weeks. (Stuart)
 4845 R. TV Congolaise, Brazzaville hrd 0430 w/African music. (Field)
 9700 R. Sofia, Bulgaria hrd w/English xmsn to North America. (Noznick) Sked 0400-0430 daily. (Ed)

- 0500 9500 ORTF, France hrd at 0500 s/on w/nx in French. (Peters) (Sparks) Hrd 0515 w/Eng. nx to Africa on 5/10. New freq. this xmsn. Heavy QRM de Magaden. (Sparks) 7095 hrd 0529 w/Eng. press review, ID & s/off at 0530. (Douglas)
- 6080 VOA, England (Via BBC) hrd 0515 in Hungarian. (Peters)
- 15445 R. Brazzaville, Congo hrd w/ORTF Eng. nx relays at 0515 & 0615, // 11725 & 9730. (Balbi) 9730 hrd. (Hirst)
- 15160 R. Ankara, Turkey hrd in Arabic to 0700. (Balbi) Excellent in Turkish at 0530. (Jaar)
- 7130 R. Portugal heard in Portuguese at 0530. (Balbi)
- 7205 VOA, Liberia hrd to 0730 s/off w/"Breakfast Show" in Eng. Moved from 7195. (Balbi)
- 7225 CR6RM, Angola hrd at 0530 s/on to 0700, strong in Portuguese. (Balbi)
- 4972 R. Yaounde, Cameroon hrd w/pop mx. Usual RTTY QRM was absent on 4/30. (Sparks)
- 9520 R. La Cronica hrd back again w/special night club entertainment prog. on 4/25. (Sparks) Location? (Ed.)
- 7305 R. Libertad, clandestine, hrd w/ID in Eng. & Sp., pop mx, 0555 s/off. (Sparks) // 11865, pinned meter here in Texas. (Hirst)
- 15105 NKK, Japan hrd w/Eng. xmsn at 0515, // 15195. (Jaar)
- 15410 ETLF, Ethiopia hrd 0530 in Eng., requested reports. Prog. change. (Jaar)
- 11905 D. Welle, Kigali, Rwanda hrd w/US dance mx 0545-0600, Eng. nx 0600-0605. (Hirst) 11905 is sked w/Eng. to W. Africa, 0545-0630. (Davisson) 9735 hrd at 0545 s/on in Spanish to the Americas. (Hirst)
- 15240 R. Australia hrd in Asian Svc. w/Eng., // 17870 & 21???. 11710 hrd at 0550 w/French to New Caledonia. (Hirst)
- 11915 R. Cairo, Egypt hrd 0515 with bell and Arabic xmsn. (Hirst)
- 11825 R. Tahiti hrd 0535, strong with classical music. (Hirst)
- 11820 BBC, London hrd 0540 with sports news. QRM de Bonaire. (Hirst)
- 9665 Omsk, USSR, // 9685, w/Moscow relay, hrd to 0556 s/off. Moscow announces 11710, 9750, 9740, 9660, & 9680. (Hirst)
- 5020 Tentative logging of Transmisora Caldas, Colombia. Hrd 0550 w/music & singing in Spanish. Very weak. (Lindgren)
- 6195 Tentative logging of R. Tunis, Tunisia. Hrd w/slow chants by man, talk to 0515 fadeout. QRM de another station on frequency. (Douglas)
- 5047 R. Togo, Lome hrd 0535 w/ID and music in French. (Douglas)
- 6210 R. Reloj, Costa Rica hrd 0527 w/Sp. mx & ID after almost every music selection. (Noznick)
- 6000 R. Americas, Swan Island hrd 0545 w/usual Spanish & jamming. (Noznick)
- 0600 4820 Magaden, USSR hrd often in Russian, // 4996. (Peters)
- 4813 Rdf. de Haute Volta, Ouagadougou hrd at 0600 s/on in French w/IS, ID, & anthem. Then Nx bulletin & pop mx in English. (Peters)
- 6025 HCJB, Ecuador hrd in German 0630, Eng. 0700. Religious prog.'s. (Peters) 15115 hrd w/"Southern Cross Salutes" in Eng. 0630-1000, // 11915, 9745 and 6035. (Field)
- 17720 Voice of Free China, Taiwan hrd in unidentified language. (Balbi)
- 15105 R. Japan, Gen. Svc. hrd this freq. (replacing 9505) w/Eng. nx, // 15195 and 15300. (Balbi)
- 15275 D. Welle, Koln, GFR hrd w/Eng. xmsn to Africa, Hausa at 0630 & French at 0700. (Balbi)
- 11820 R. Abidjan, Ivory Coast hrd at 0630 s/on to 0930 in French on Sundays only. (Balbi) 4940 hrd 0625 in French. (Hirst)
- 11970 ETLF, Liberia hrd irregularly here, then back to 11950. French at 0600, EBC news 0700. (Balbi) 11950 hrd. (Sparks)
- 9620 ORTF, Paris, France hrd in French to 0630. (Balbi)
- 11730 R. Nederland hrd 0600-0730 w/Dutch xmsn to New Zealand. (Rowell)

- 0600 15000 JJY, Japan hrd 0634 w/ID & time signal in Japanese. (Sparks)
 15300 DZH9, Philippines hrd 0640 w/Eng. nx, //15390 on 4/24. (Sparks)
 15155 R. Havana Cuba hrd w/xmsn to Mediterranean area, 0630-1045, //9655
 in Spanish, French and Arabic. (Jaar)
 6065 R. Sweden hrd with IS at 0600. (Jaar) National program relay. (ed.)
 9720 Springbok Radio, South Africa hrd 0635 w/mx request prog. & ads. (Hirst)
 9650, R. South Africa hrd weak in Afrikaans w/mx, time pips & ID at
 0600. (Hirst)
 6155 R. Conakry, Guinea hrd w/African drums & singing. French ID at 0645
 & 0700. (Hirst) 4910 hrd 0630-0700 in French. (Nordgren)
 9520 VLT9, New Guinea hrd w/children's story to 0630. (Hirst)
 9540 R. Moscow, USSR hrd 0633 w/Eng. ID, then orchestral music. (Lindgren)
 6175 R. Nacional, Bogota, Colombia hrd 0601 on 5/2 w/ID, freq., & QTH.
 (Douglas)
 6090 R. TV Dominicana, Dominican Rep. hrd w/Sp. mx, talk, ID. (Douglas)
 11750a FEN, AFRTS, Japan hrd w/Eng. nx, mx & weather. Sent nice QSL card in
 5 days. (Donegan)
- 0700 5960 HJCF, Voz Bogota, Colombia hrd 0745 w/nx. Gives Dakar a battle. (Peters)
 17850 ORTF, France hrd at 0700 s/on, //15245. Hrd irregularly. (Balbi)
 15150 YDC, RRI, Indonesia hrd in native language. (Balbi)
 6080 ZL7, New Zealand, //9540 hrd 0730 w/N. Zealand news. (Balbi)
 5990 R. Canada hrd w/African xmsn 0725-0800 in Eng. French at 0800-0815
 s/off, //9625. Relayed by the EBC on 17715, 15390, 11880. All hrd
 here on 5/11. (Balbi) (Rowell)
 7210 Dakar, Senegal on this new freq., //4890 as of 5/10. (Balbi) 5975,
 National Net. hrd Sundays only, 0700 s/on & native language programs.
 (Sparks) (Douglas)
 11840 R. Portugal hrd 0730 in English, //9645. (Balbi)
 11955 BEC, Far East St., Malaysia hrd 0715 w/BBC news. (Rowell)
 15425 VLX15, Perth, Australia, ABC regional xmtr, hrd to 0815 s/off. (Rowell)
 11850 R. Norway hrd 0745-0815 w/religious program in Norwegian. (Rowell)
 7260 TransWorld Radio, Monte Carlo, Monaco hrd in English. (Jaar)
 6155 Voix de la Revolution, Conakry, Guinea hrd w/Fr. nx, //4910. (Jaar)
 4915 R. Ghana, Accra hrd with English news. (Nordgren)
 9530 VOA, Liberia noted at 0715 s/off. (Woodward)
- 0800 9620 ORTF, Paris hrd in French, 0800-0900 to New Caledonia. (Balbi) 11845
 outlet hrd 0800-0830 w/French to Africa. (Rowell) (Balbi)v
 5970 R. Canada hrd 0825-0930 to Australia, //9625. Formerly 1 hr earlier.
 9380 Tentative logging of R. Alma Ata, USSR. Hrd 0845 w/Russian-sounding
 talk, cutoff at 0900 after 6 time blips. Very weak. (Douglas)
 6055 JOZ2, Japan hrd in Japanese w/mx at 0815 & ID, talk by OM & YL. (Douglas)
 6050 HCJB, Ecuador hrd with English religious service. (Douglas)
 6030 CFVP, Calgary, Alberta, Canada hrd 0813 w/Eng. programming. (Douglas)
- 0900 17880 BBC Far East St., Malaysia hrd at 0900 s/on, BBC nx 0915, //11750,
 11955 and 9725. (Balbi)
 6540 R. Pyongyang, N. Korea hrd in Japanese, to 1500 according to sked. (Balbi)
 9505a R. TV Dominicana, Dominican Rep. hrd w/Sp. ID, US pop song in English.
 (Pestor) 9502 hrd late as 0950. //6090 hrd late as 0900, //MW. (Jaar)
 9840 Voice of Vietnam, Hanoi hrd 0915 in Japanese. (Pestor)
 15265 R. Excelsior, Sao Paulo, Brazil good in Portuguese at 0950 w/ID. (Jaar)
 9505 NHK, Japan hrd clear 0900-1500. English on the hour. (Jaar)
 5980 R. Demerara, Br. Guiana hrd 0915 in Eng., then oriental chants. (Jaar)
 4730a R. El Progreso, Loja, Ecuador apparent s/off now is 0900. (Jaar)
 3925 JOZ, Japan hrd 0904 with Japanese and music. ID at 0950. (Douglas)

- 0900 9010a Tentative logging of Kol Israel. Hrd 0918 w/Eastern-type mx, program, chants, talk by YL. Monitored for 2 hours but no English hrd altho sked says Eng. this time on Sundays. Sked change? (Douglas)
- 3385 ORTF, Cayenne, Fr. Guiana hrd 0930-0940 fadeout in French. (Fansler)
- 1000 3385 R. Rabaul, New Guinea hrd 1053 w/local mx, pidgin language, several clear ID's. (Dexter)
- 9530 NHK, Japan hrd in Spanish at 1030-1100, //9765 & 11940. Portuguese hrd before 1030. (Pestor) (Jaar)
- 9745 HCJB, Ecuador hrd 1015 w/religious program in Japanese. (Pestor)
- 9490 R. Peking, China noted 1045-1050 s/off in Polish. (Pestor)
- 3910 Far East Network hrd daily around 1010 in English. Some QSB. (Jaar)
- 3925 JOZ, Tokyo, Japan hrd after 1000, along with VLK3 on same frequency. (Jaar) (Henderson)
- 9610 VLX9, Perth, Australia hrd w/news & weather at 1055. (DeHart)
- 1100 4020 R. Peking, China hrd in Eng. w/talk on Sino-Soviet relations. (Peters)
- 9675 NHK, Japan hrd w/IS, then into Chinese. (Pestor)
- 9615 VOA hrd here w/nx. Must be new freq? (Pestor) Possibly Tangier? (Ed.)
- 9585 R. Excelsior, Brazil hrd 1115 w/talk and music. (Pestor)
- 9620 R. Sweden hrd 1115 w/ID & talk on Sweden. (Pestor) European svc. (Ed)
- 9615 All-India Radio, Delhi hrd 1115 in unidentified language. (Pestor)
- 17755 ELWA, Liberia announces this new freq. at 1055 s/on in Eng., //11975 & 21535. (Jaar)
- 9485a La Voix de la Revolution Duvalieriste, Port-au-Prince, Haiti was active on this frequency during April. (Jaar) (Douglas) (Ed.)
- 11865 SBC, Switzerland hrd 1145-1244 w/news and music. (Leon)
- 11835 R. 4VEH, Cap Haitien, Haiti hrd 1122-1217 w/religious program. (Leon)
- 9610 VLX9, AEC, Perth, Australia hrd with music. (Woodward)
- 1200 9650 R. Peking, China hrd in Eng. w/nx & talk. also on 12110, 11675, 9480, 9340. (Peters) 9480 heard to 1255. (Balbi)
- 9775 VTN, Saigon, S.Vietnam hrd to 1300 s/off in English. (Balbi) (Hirst)
- 15015a R. Hanoi, N. Vietnam noted w/oriental songs & talks 1245 & later. (Jaar)
- 9750 R. Sideral, Pucallpa, Peru hrd 1220 to after 1300, some HCJB QRM. (Jaar)
- 9667 R. Ceylon, Comm. Svc. good in Eng. daily. Hrd w/request prog. 1230. (Jaar) Believe correct frequency is 9670. (Ed.)
- 9600 R. Tashkent, Uzbek SSR, very clear daily in Eng., //11925. (Jaar) 9600 hrd. (Coulouras)
- 6125 HRQ, R. Suyapa, San Pedro, Sula, Honduras hrd daily after 1200; features marimba music. (Jaar)
- 6058 R. Centro, Tegucigalpa, Honduras very good in April around 1230 when R. Santiago was off. (Jaar)
- 6015a R. Caraibes, Port-au-Prince, Haiti still varies between 6005-6017. (Jaar)
- 6000 La Voix de la Revolution Duvalieriste, Port-au-Prince, Haiti is back on this frequency. (Jaar)
- 3555 R. Wewak, Papua hrd 1205 w/Eng. OM announcer, Eng. & native songs. Positive ID at 1230 s/off w/"God Save the Queen". Confirmed by QSL card for 4/17 reception. (Douglas)
- 11920 FEBC, Philippines hrd 1223-1245 with religious music. (Leon)
- 7305 R. Malaysia, Penang hrd 1229-1344 w/"Playhouse of World Famous Authors", interviews and music. (Leon)
- 9580 R. Australia hrd 1215-1315 w/Eng. to N.A. (Nelson) (Noznick) (Beaupre)
- 15185 R. Finland hrd 1215 on Saturdays w/DX-Mailbag show in Eng. (Noznick)
- 15165 Voice of Denmark hrd 1238 w/mailbag show on Saturdays. (Noznick)
- 9610 VLX9, Perth, Australia hrd 1250 w/nx; ID & nx at 1300. (Phillips) (Ed)

- 1300 7120 BBC Far East St., Malaysia hrd w/BBC nx, //11750. (Balbi) 6110 hrd w/s-on & local ID at 1355, then World Svc. Excellent 5/5. (Sparks)
- 9760 R. Hanoi, N. Vietnam hrd 1315 w/special xmsn to US forces in South Vietnam, //11760. (Balbi)
- 15185 R. Finland hrd in unid. language. ID in Eng., Fr. & German 1340. (Balbi)
- 9670 R. Ceylon, Commercial Svc. hrd w/BBC nx at 1300. (Balbi)
- 4845 R. Malaysia, probably Kuala Lumpur, hrd on this new freq. Jazz mx to 1400, then ID and nx in Malay. (Sparks) 5037 hrd/1305 w/BBC comedy. (Hirst)
- 9555 XETT, La Hora Exacta, Mexico City was noted once at 1340 when YSS was silent. (Jaar)
- 9550 R. Nacional, Tumbes, Peru, still good at 1330 here in Haiti. (Jaar)
- 9530 R. Calendario, Maracaibo, Venezuela noted often around 1300. (Jaar)
- 5994 ORTF, Fort-de-France, Martinique hrd more often here to after 1300 & around 2300. (Jaar)
- 9725 BBC, London hrd in Chinese. Eng. ID at 1345, "London Calling Asia". (Hirst)
- 9505 FEBC, Philippines hrd 1330 w/religious prog. in unid. lang. (Nordgren)
- 17890 R. Pakistan hrd w/dictation Eng. news, 1330-1350 s/off. (Fansler)
- 15120 Polish Radio, Warsaw here with 1/2 hour Eng. xmsn to Africa. (Coulouras)
- 11875 R. Japan hrd w/Eng. nx in SE Asia Svc. (Leuchtfeld) Sked 1230-1530 (Ed)
- 11720 CBC, Canada noted 1330 w/DX program in French. (Phillips) Saturdays (Ed)
- 11740 XEMP, "La Charrita del Cuadrante", Mexico City hrd 1340 w/Mexican mx, Sp. ann's. QTH? (Phillips) QTH is Mexico City. "La Charrita del Cuadrante" means roughly "The Bravest of the Dial". "Charrita" derives from "charro", a name given the "rough & ready" Mexican cowboys. Does anyone have info on QSLing policy of this st.? (Ed.)
- 1400 6110 BBC Far East St., Malaysia hrd w/BBC nx, //7120 & 9580. (Balbi)
- 9600 R. Tashkent, Uzbek SSR hrd w/Eng. nx, mx to 1426 s/off, //11925. (Balbi)
- 11835 VOA, Colombo, Ceylon hrd w/Eng. ID, then foreign lang. program. (Sparks)
- 15105 All-India Radio, Delhi hrd 1430 w/oriental mx & language. English hrd at 1500. (Jaar)
- 6163 La Voix du Nord, Cap Haitien, Haiti now on SW daily, 1400-2300. This station was founded in May, 1945. (Jaar)
- 17690 R. Cairo, Egypt noted in English to 1428, then Arabic. (Jaar)
- 15420 R. Sweden hrd w/Eng. xmsn to N.A. Moderate QRM. (Hirst) This xmsn has been consistently of poor reception quality in Ohio for some time, owing to QRM. One at 1445 is slightly better. (Ed.) 15315 to South Asia hrd 1445-1515. (Hirst)
- 17890 HCJB, Ecuador hrd daily w/"Morning in the Mountains" in Eng., //15115. (Field) 15115 hrd. (Leon)
- 15185 R. Finland noted 1430 in Finnish. (Boaupre)
- 15195 BBC, London, N.A. Svc. now hrd on this freq. at 1430-1630, //17810. (Ed)
- 15425 Radiostansiya Mayak, Moscow apparently alternates with the Radiostansiya Rodina service on this freq., //15150 in Russian. (Ed.)
- 1500 21580 ORTF, Paris hrd w/French ID 1530, //17850. Hrd irregularly. (Balbi)
- 21545 R. Ghana hrd w/s-on & Eng. nx, //17910. Hrd irregularly. (Balbi)
- 17830 SBC, Switzerland hrd 1515 w/Eng. nx, //15305 to Near East. (Balbi)
- 17890 BBC, Taiwan hrd at 1530 s/on w/Eng. nx, //9685 to 1610 s/off. (Balbi)
- 15405 D. Welle, Koln, GFR hrd 1510-1550 w/Eng. to WCNA, //11925. (Balbi)
- 15125 Voice of Free Korea, Seoul hrd at 1530 s/on w/English news. (Balbi)
- 9575 All-India Radio hrd 1530 with English news. (Sparks)
- 9590 ETLF, Ethiopia hrd on this new freq. w/s-on & Eng. ID, then program in Malagache. (Sparks)
- 17855 VOA, Tangier, Morocco noted often under Havana at 1545 in Eng. (Jaar)
- 9550 WIBS, Grenada hrd w/IS at 1540, then music. (Jaar)

- 1500 6075 R. Libertad, Santiago, Dominican Rep. now runs more than listed power of 0.25 kw. (Jaar)
- 6060 R. Santiago, Santiago, Dominican Rep. back since 4/30 after period of silence. (Jaar)
- 15170 R. Norway hrd 1625-1628 s/off in Eng. Pretty sure is this frequency, not listed 15175. (Hirst)
- 15240 R. Sweden hrd closing Eng. xmsn 1644, then IS & into Swedish. (Hirst) This xmsn is beamed to the Middle East 1615-1645. (Ed) Out of order.
- 9760 Voice of Vietnam, Hanoi hrd 1535 w/OM giving comment on Vietnamese conflict. ID'ed as "The Voice of Vietnam" at 1540. (Lindgren)
- 1600 15160 R. Netherland hrd 1630 w/English talk on Holland. (Nordgren)
- 15190a Radiostansiya Atlantika (?), USSR hrd w/IS at 1629, s/on 1630, then Russian to past 1640. (Raylesberg)
- 15175 R. Norway hrd 1600-1610 w/Eng. on Sundays. (Raylesberg) (Beaupre)
- 15240 R. Sweden hrd closing Eng. xmsn 1644, then IS & into Swedish. (Hirst) This xmsn beamed to the Middle East, Eng. at 1615-1645. (Ed.)
- 1700 15275 D. Welle, Koln, GFR hrd w/German to Africa, 1715-2015. Eng. nx at 1645. (Balbi) Hrd 1700-1710 with English news. (Raylesberg)
- 15120 Vatican Radio noted in French to 1735, then IS. (Jaar) Hrd 1700-1715 in English. (Field)
- 17745 Tentative logging of Kursk, USSR. Hrd w/Polynesian-type mx, bells at 1800 like Moscow, unid. language. Weak. (Hirst)
- 17805 D. Welle, Kigali, Rwanda hrd 1744 w/IS, ID, then nx & talk on Rhodesia to 1755 fadeout. VOA QRM. (Sgrulletta) Hrd 1745-1830. (Davisson)
- 15070 BBC, London noted w/church service at 1730 on a Sunday. (Coulouras)
- 17830 International Red Cross hrd at 1730 on 5/8 (Red Cross Day)w/French program, "History of Red Cross". (Coulouras) Anyone know what xmtr this was? Possibly VOA? Don't think could be Geneva. (Ed.)
- 9505 FEBC, Philippines hrd 1705 in unid. language. (Hempfield) Sure of this ID? This FEBC outlet did sign off at 1630. (Ed.)
- 1800 15165 R. Denmark hrd 1830-1930 w/Danish & Eng. to South Africa. (Rowell)
- 17360 ORU; Belgium hrd w/French & Flemish to Africa. (Rowell)
- 15350 R. Luxembourg hrd excellent on a Sunday w/iL announcer in French & German, 1800-1900 w/mx show featuring Eng., Fr. & German recordings. (Henderson)
- 17820 CBC, Canada hrd 1829-1915 with news programs. (Leon)
- 11875 ETLF, Ethiopia hrd 1915 w/1/2 hr Eng. xmsn to West Africa. (Coulouras)
- 21495 R. Portugal hrd 1800-1817 in French, then into Eng. in African xmsn, //17880. (Raylesberg) (Hirst) v
- 15160 R. Ankara, Turkey hrd in German 1800-1900, then French. Bad RTTY QRM.
- 1900 11672 R. Pakistan, Karachi hrd 1900 w/Eng. nx. (Peters) 9700a hrd w/Eng. to U.K. Also hrd 1945 on this now frequency. (Jaar) (Balbi)v
- 11770 R. Tehran, Iran hrd w/French 1930, Eng. nx 2000. Moved from 11780.
- 9695 R. Rio Mar, Manaus, Brazil hrd well at 1950 w/ads & ID. (Jaar)
- 9550 R. Cairo, Egypt can be hrd under Havana at 1930. (Jaar)
- 15165 R. Denmark hrd w/DK program to 1926. Terrible QRM. Don't know where is beamed. (Hirst) Beamed to South Africa. (Ed.)
- 15070 BBC, London hrd 1935-1945 w/"Top 20" tunes. (Hirst)
- 15320 CBC, Canada hrd 1930 with French talk & ID. (Douglas)
- 10885 R. Ulan Bator, Mongolia hrd in unid. language. (Hempfield) Sure of this ID? Doesn't agree with any skeds I've seen recently. (Ed.)
- 17805 D. Welle, Kigali, Rwanda hrd w/French xmsn for West Africa. (Ed.)

- 2000 15235 BBC, London hrd 2015, very strong. (Hirst) 11770 hrd. (Douglas)
 15195 R. Japan hrd at 2000 s/on in Eng., // 9560 & 11815. Strong. (Hirst)
 Hrd w/IS at 2058, then English news. (Nordgren)
 15340 R. Havana Cuba hrd w/Spanish talk & ID. (Douglas)
 15190 R. Brazzaville, Congo hrd 2035-2048 s/off in French. (Douglas)
 11765 R. Dif. Sao Paulo, Brazil hrd 2038 w/ID, talk, nx in Portuguese.
 (Douglas) Sure of ID? Believe this is Radio Tupi, Sao Paulo. (Ed.)
 11950 R. Nederland hrd 2035 w/English program for NABE stations. (Bovee)
 6110 R. Ghana hrd 2035 w/nx & mx in External Svc. (Bovee) 9760 hrd with
 English news. (Nelson)
 11730 R. Iran hrd with $\frac{1}{2}$ -hour English transmission. (Coulouras)
 9340 R. Peking, China observed at 2027 closing Portuguese xmsn. (Hill)
 9915 All-India Radio hrd w/Eng. nx, 2000-2010 to U.K. & Europe. (Hill)
 11800 RBE, Canary Islands now has new Spanish xmsn to Central & South Atlantic
 areas at 2000-2345. (Ed.)
- 2100 15220 R. Nederland, Bonaire hrd w/Eng. xmsn at new time, 2130-2220. Dutch
 at 2000-2100. (Balbi) (Lindgren) // 11730. (Hirst) (Phillips) (Woodward)
 11915 R. Cairo, Egypt hrd 2150 w/Eng. mailbag & request mx. (Hirst) 9475
 hrd with English. (Nelson)
 11720 CBC, Canada hrd w/SW Club 2122-2132 on Saturdays. (Hirst) (Bovee)
 Hrd 2130 w/discussion on recent defense/security scandal. (Phillips)
 11780 BBC, London, World Svc. hrd 2130 w/Big Ben, ID & play. (Lindgren) (Bovee)
15235 hrd 2100 w/talk on tennis. (Irace) 9800a hrd w/English nx.
 (Phillips) Is 9835, I believe. (Ed.)
 15110 XERH, Mexico City hrd in Sp. w/frequent ID's. (Lindgren) Call for this
 outlet is XERR. XERH is call of main MW station. (Ed.)
 5920 R. Minsk, USSR hrd 2130-2200, // 5940 w/Sunday xmsn, featuring Bielo-
 russian music and news. (Henderson)
 9650 R. Conakry, Guinea Rep. hrd with news in French. (Coulouras)
 6000 La Voix de la Revolution Duvalieriste, Haiti hrd here 2100-2145 on 4/10.
 Severe QRM. (Hill)
 15440 WRUL, New York City hrd 2130 on Saturday w/"DXing Worldwide". (Woodward)
- 2200 15160 R. Ankara, Turkey hrd w/Eng. nx. (Balbi) (Field) (Noznick) Mx 2210. (Bovee)
 15385 RAI, Italy hrd at 2230 s/on in Italian. (Rowell)
 11695 Tentative logging, Radio Senegal on this freq. till 0000 in French.
 Used this freq. 5 years ago. Hrd 5/6. (Rowell) 9720 hrd 2219 with Fr.
 news. (Leuchtefeld)
 11710 R. Moscow hrd beginning N.A. Svc. (Pestor) // 9760, 9740, 9660, 9620. (Ed)
 11720 CBC, Canada hrd beginning daily Northern Service xmsn. (Pestor)
 6250 Fernando Poo, Sp. Guinea hrd daily to 2258 s/off w/Spanish talks and
 instrumental music. (Jaar)
 5990 R. Bucharest, Rumania noted at 2200. (Jaar)
 5015 WIES, Grenada is again closing down on this freq. at 2245. (Jaar)
 9615 RTB, Belgium hrd to 2300 s/off w/French & US pop music. (Hirst)
 9650 R. Conakry, Guinea hrd 2230-2250 w/message by Nkrumah of Ghana to the
 workers of Ghana, saying to "overthrow the neo-colonialist lackeys"
 by sabotage and resistance. QRM de VOA. (Hirst)
 4870 R. Cotonou, Dahomey hrd w/good sig., mx & French ann's. on a Saturday
 2245-2300 s/off. S/off w/version of "La Marseillaise" or Dahomey nation-
 al anthem. (Henderson)
 6175 RTA, Algeria hrd 2210-2230 in Eng. w/mx & talks. Gave French ID at 2230
 exactly as stated in the WRTH. (Sgrulletta)
 15155 HCJB, Ecuador hrd daily w/"Quito Calling" in Eng., // 11915. (Field)
 11915 R. Cairo hrd 2217 w/story & mx. Heavy QRM. (Bovee) 9475 hrd w/English
 nx. (Coulouras) 9495 hrd in Eng. at 2200 w/pop mx. (Irace)

2200 15380 D. Welle, Kigali (?) hrd 2245-2300 close in unid. lang. (Raylesberg)
 11750 BBC. London hrd w/nx & "The World Today". (Phillips)
 11750 R. Nederland noted 2250 with a Beethoven symphony. (Phillips)

2300 17825 R. Japan, ECNA xmsn 2345-0045, replacing 11780, //15135. DX program
 on Saturday at 0040. (Balbi)
 11810 RAI, Rome hrd w/Italian xmsn. (Rowell)
 15230 R. Havana Cuba on this new freq. around 2300 in Sp., //15340. (Jaar)
 15170 R. Amman, Jordan hrd 2330 w/IS, then Sp. to L.America. QRM from TWR,
 Bonaire on same frequency. (Jaar)
 15105 WJBS, Grenada hrd this freq. late as 2310, //3280. (Jaar) 3280 (Kohser)
 6015 RTI, Abidjan, Ivory Coast hrd daily to 0000 s/off in French. 4940
 good in French at 2330 when Venezuelans are silent. (Jaar)
 5970 R. Algiers, Algeria hrd till 0000 s/off. Also in morning hours to
 after 0700. (Jaar)
 4890 R. Dakar, Senegal noted in Arabic & French, 2300-0000 s/off. (Jaar)
 4880 R. Nacional Espejo, Quito, Ecuador hrd once at 2330 when HIN was
 silent. (Jaar)
 3995 La Voz del Rio Tarqui, Cuenca, Ecuador hrd 2300 to after 0600. Moved
 from 3990. (Jaar)
 3990 VOA, Liberia noted w/"Music USA" to 2345 s/off. (Jaar)
 3980 VOA, Munich, GFR hrd w/Eng. around 2300, jazz prog.'s usually. (Jaar)
 3930 R. Barlavento, San Vicente, Cape Verde Islands audible but QRMed
 2300-0000 s/off. (Jaar) (Jaar) v
 3905 All-India Radio, Gen. Overseas Svc. hrd in Eng. around 2300 & 0000.
 5010 R. Bocono, Venezuela hrd 2330-2355 w/Catholic services, then ads,
 all Sp. ann's. Good here. (Henderson)
 5020 R. Nacional, Colombia hrd 2345 w/usual good signal, LA mx. (Henderson)
 5017 R. Bissau, Port. Guinea hrd w/pop songs, 2300-2315. (Fansler)
 17890 HCJB, Ecuador hrd daily at 2330 w/"Caribbean Call" in Eng., //15115.
 (Field)
 15265 R. Excelsior, Sao Paulo, Brazil hrd with news. (Field)
 9770 R. 4VEH, Haibi hrd 2300 w/French nx, Eng. ID at 0000, "Back to the
 Bible" at 0030. (Field)
 9740 R. Moscow, USSR noted 2314 w/"Science & Engineering". (Bovee)
 9625 CBC, Canada noted 2325 w/stock exchange rpt & nx headlines. (Bovee)
 Hrd 2315 on Saturday w/SW Club. (Woodward) //11725. (Woodward)
 6115 XEUDS, Hermosillo, Mexico hrd 2345 with Spanish music. (Grenier)
 11715 RNE, Spain hrd w/Sp. xmsn to Latin America. (Leuchtefeld)
 15060 R. Peking, China hrd 2300-2335 w/Eng. nx & commenatry. (Kohser)
 15425 R. Nederland hrd 2300 w/Dutch xmsn. (Raylesberg) 2200-2320 to S.A. (Ed)
 5985 LRS2, R. Splendid, Buenos Aires, Argentina noted w/Sp. ID at unusually
 early 2320. QRMed. Also checked // freq.'s: 9740 (weak) and 11880
 (barely audible thru XEHH). (Hill) (Hill) v
 17715 R. Australia apparently now on this freq. for 2315-0015 French xmsn.
 5047 R. Togo, Lome hrd 2345 w/US instrumental mx, short nx bulletin in
 French, then s/off at 0000. (Ed.)

* Happy Birthday!...TIFC, Faro del Caribe, San Jose, Costa Rica, celebrating
 * its 18th birthday, has extended its broadcast schedule 1 hour per day--total
 * now 12 hours---reaching for present goal of 17 hours per day. The station
 * operates on 6037 and 9645 kcs, with English daily from 0300-0400. All other
 * programs are in Spanish except for 15 minutes of German on Friday at 0300.
 * (Thanks for above info go to Frank Field, Michigan!)