

# NORTH AMERICAN SHORTWAVE ASSOCIATION



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DOES OUR HOBBY LACK LEADERSHIP?

When it comes to a hobby, what are the qualifications needed for leadership, and just who should set those qualifications? This is quite a question and one that cant be answered in a few words...nor by any one individual, no matter his club or rank.

Through the years, as the DXing hobby has grown, leaders have generally been classed as those with the most experience, those who have accumulated the larger number of verifications from radio stations, those who have above average equipment and who devote more time to the hobby than most others. Is this really what it takes to be a leader? More importantly...is this all it takes to be a leader? Again, who is to say?

As seen from here, before anyone can be called a leader, certain/definate goals must be set....are there such at present? If so, what are they? To what "ain", what "quest" what "utopia" are we to be guided? Many individuals have their own personal aims and quests...mahy seek a certain utopia hobbywise, sure!, but there are none generally accepted as being "in common". Why?...Because we have more than one class of DXer; The ones who prefer SWBC...those who prefer BCB...those prefering hambands...still others prefering different...and even some prefering an assortment.

If we are to be led, we must first have a "destination"!!! Without such, we go nowhere! And even with a destination, can it be attained without unity?...without our trying/ making the journey together?

Our clubs today are always efforting to better themselves for, as they say "the good of the hobby". The officers and staffs of the clubs are sincere, hard working OM and are well meaning, yet even so...to what end purposefully and destination-wise?

It is time we begin thinking of a destination, one that will give happy hours, fun, pleasure to the all of us as we travel towards it. Then, once we know where we head, where we are bound, we can seek out those to lead us. Bill Edings

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In days to come, NAsA might possibly be making changes that will not meet the approval of every member, yet they will be made due our looking ahead to a destination which be considered worthy. We keep amind that we are engaged in a hobby and should effort to bring happiness/pleasure to the fore and to do so via idions that will also be of educational value regarding hobby interests.

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IN THIS EDITION...Dont miss "The Loudenboomer Report"....."Saga of Hanoi Hattie"..... "DXers of Europe-Unite"....."Essence of Complete Report"(Hamband Roundup)...NewsRoom.

WORLDWIDE  
COMMUNICATIONS



MARCH 1966  
Edition

HEADQUARTERS-NASA

1503 FIFTH AVENUE, A2

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FRENEX is the official publication of the North American SW Association. It is not copyrighted. There are no subscriptions! Only sincere and active, in good standing members, are entitled to receive copies. Membership fee is \$4.00 per year which includes cost of 12 monthly bulletins sent via third-class\*mail. (\*unless otherwise arranged with hdqs and additional fee is paid.)

This and all editions are made possible through the combined interest/cooperation of club officers, bulletin staff and supporting/reporting members.

Our motto is

"UNITY & FRIENDSHIP"

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The North American Shortwave Association  
is in affiliation with  
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DXers of EUROPE-UNITE!

Should the DX clubs of Europe join together in a European DX Council? Yes, says Ellmann Ellingsen, Editor of "DX News", bulletin of the DX Listeners Club, Norway. And he suggests an organization of this kind be formed as soon as possible. It should be organized similar to the Swedish DX Parliament and national clubs with fifty or more members should be admitted. Tasks should be many says Ellingsen; It should work out a common list of radio countries to be used by European DX clubs, keep in touch with broadcast stations to improve relations between them and DXers. It should deal with SWBC and PTP only. Results of the Councils work should be published as recommendations. (DX News, Norway)

Editors note: The DXLC has the distinction of being Norway's one and only DX club. It has a membership of around 150 and a bulletin staffed by that countrys most experienced/well versed DXers. So highly regarded is the efforts and works of this club that it has been offered to use the facilities of NOREA Radio, RNYW/WRUL, ORTF in Paris, Radio Portugal and the Pyrgos Broadcasting Station in Greece. Recently this club has started a membership drive and also has taken steps through which it will make the hobby better known and will aid newcomers. The DXLC seeks to become more internationally oriented and plans to be more cooperative with clubs outside its homeland and Scandinavia.

Any NASA members who might be interested in further data re the DX Listeners Club, write Arne Berg-Secretary DXLC, P.O.Box 1284, Oslo, Norway. Be sure to mention NASA and be sure to include either an IRC or SASE (with Norwegian stamps). B.E.

CURT OF KANSAS

One of the oldest OM in NASA ranks is Curt Webber, a former ham, now SWL. All of 73 plus, Curt finds much pleasure in the ole hobby, especially in meeting/making new friends. He isnt a serious DXer, but does have a number of SWBC stations he likes to listen to, is active SWLer and does have a number of QSLs to his credit. One thing he points out is that there should be less complaining and gripes.....more understanding and good fellowship in the club ranks, benefiting all.

WE ARE A HOBBY CLUB!

From time to time we receive articles from newspapers and/or magazines, submitted by members who suggest they be used in pages of our bulletin. Needless to say we are most appreciative of such interest by the members, but in many instances, articles submitted cannot be used in that they are not related to our hobby. Some are political in nature, other fringe on religion; These we do not feel are appropriate contents for a club bulletin. We take for granted that all NASA members are loyal citizens of the U.S....at least those living here; Too, we respect the right of all...no matter his race, color or creed. Subjects such as these have no place in hobby club publication per Frendx. Even though we do promote "Unity and Friendship", we must not, via our bulletins, touch on certain personal/private rights or privileges of members. (If a member plans to run for office of President of the United States, or if a member is doing Missionary work, luck to and blessing on them...but we are not open to giving coverage in Frendx.)

TEAM IN THE MAKING!

NASAs John Callarman and Danny Douglas, both Texans, and both most worthy members, are getting together frequently these days and sooner or later things are going to pop. What we mean is, when two OM of such caliber join forces, the outcome is bound to result in benefits for the hobby and/or club(s). Danny hasnt the experience par John, but he has ability and desire along with the "drive" necessary. Yup, we're gonna be hearing from those two Texers and we wager it'll be soon. Wait 'n see!

RESPONSE FAIR

Last month we asked for letters telling us WHY you liked/disliked Frendx; Several members responded, but not as many as we expected/hoped. Those who did, majority stated their like was due bulletins being more than a mere statistical effort...that they contained subjects/matters over and above usual DX doings. One OM however, said he disliked Frendx, "it isnt big enuff!" he said..(but he renewed for another year!) Anyway...WHY do you like/dislike Frendx? We'd appreciate your telling us. Tnx!

DE NASAer IN NAVY

Member Normand Lalontagne now with the US Navy, and in boot camp, writes telling us he finds occasional time for a bit of dial twisting. He sez he was tuned to Nigerian station at time of recent comp and could hear gun fire et al. He also mentioned having been tuned to Radio Caroline when it broke loose from its mooring and went aground. According to Norm, the station went off the air, but was hrd sending out an SOS. He sed he didnt realize what had happened until reading of it in next days papers.

!!!!????!!!!

Oft times, in club bulletins, errors are made either in spelling, in grammar and/or typographically; A few noticed here of late gave us quite a chuckle and so we thought we'd pass em along for wat they are worth. No harm meant...just in jest!

The March edition of CIDXC "Messenger" contained this note from its Exec. Editor: "We have a couple new typists, so if there is any mistakes, bare with us."

And a recent copy of IRCAs "DX Monitor" sed... "Like orgies? Then make plans now to attend the IRCAs Annual Convention in Milwaukee this summer!"

NEW QSLs READY

Radio Japan, one of the most "rewarding" SWBCers...and always efforting to better relations between listeners and station, announces it is releasing a new series of 3 QSL cards...all are typically Japanese in format and are printed in 6-tone color.

LOTTSA ORDERS!

Quite a few members, 41 to date, have taken advantage of the special price we offer for latest edition of WRTH. Some OM even ordered more than one copy.

CONSTITUTION OK'd

Not all eligible members exercized their right to vote, but 319 did; And of these, only 7 were anti the club constitution. Be here informed then, NASA will be gov-erned per said constitution.

YOU STILL HAVE TIME!

For those of you not yet taking part in the "Reception Report Recounter", you have until the end of this month (March 31) to get your entries in.

If you have been delaying for some reason, or if you were hazy as to rules, here are details again;

Submit any report you have sent/used, plan to send/use, propose to send/use to any SWBC station. The report does not need to have been sent nor QSL'd! If a letter was or is to be sent with the report to the station, include it with your entry. Mail to Don Jensen, 1832 Ridge Drive, Racine, Wisconsin 53406. Remember the deadline is March 31st!

You need not be a serious QSL hunter to enter this contest! Even if the report you submit is the first you have sent or plan to send, it will be eligible. Keep in mind that the main purpose of this competition is moreso for "educational" than entertain- ing purposes!

Lastly, dont send Don the original report, send him a duplicate or second copy (i.e, it is assumed you will have sent or plan to send/use original for QSL quest.)

Winners and prizes will be announced in the May edition of French.

BITS OF QRM!

NASA has been rather fortunate in past, has had few serious QRM factors; However, of late, some are coming about re our hdq and administrative end. All have been, for the most part, unforeseen/unexpeted, yet unavoidable...stemming from either vocat- ional or educational idioms. None are so serious that they cannot be overcome and solved however, and none will hamper the continuance of the club. There is no cause for concern at this time! Watch upcoming editions of French for any developments and or actions hereto!

NEW QTH FOR NASA HDQ

NEW FORMAT FOR FRENCH

NEW EDITORS ADDED

NEW FEATURES STARTED

AROUND THE CLUBSCLASSIFIED

WIDXA is celebrating its first anniversary this month..it is one year old. Under the leadership of Pres. Margaret Hinkson, who seems to be the most sincere and hard wrkg YL in the hobby, it is growing es becoming quite well known throughout the DX world.

CDXC, in recent "Along the Hambands" Cadex section edited by Uncle Fred Woodley, gave complete frank and straightforward expose of certain actions/developements regarding CHC . Fred pulled no punches, gave all fact

IRCA announced resignation of BOD member Don Erickson. He was replaced by the OM who was his opponent in '65 gen elections, Randy Seaver. All systems are "go" for the clubs convention in Milwaukee this coming August 26-29th. NASAers in/around the area are cordially invited to attend.

CIDXC has upped its dues to \$3.50 per year. Bulletin expansion is planned provided the membership gives support via reports.

ASWLC changeover of "SML" publisher from New York to California went off smoothly. Bulletins, all sent by first-class mail, were on sked, unQRM'd. (It takes lots of work and much cooperation to make such a changeover!)

WMRC, in its January edition of monthly "DXers Digest" sez membership is about the same as it was when hdq moved to Phila. (Figure is somewhere around the 50 mark!)

NRC has lotts gold in its "DX News"...i.e. a regular reporter by name of Goldfinger and golden "behind" pages edited by John Callarman. (Letter re the popular IDXD section done by John!)

NNRC announces the resignation of editor Tom Sundstrom, Asst.ECB; and his successor Stew Drake.(Any club dislikes losing an OM like Tom, but is mighty lucky to have one the caliber of Stew to take over!)

XI announces changeover of hdq and Exec. Editor. New QTH is 30 North St., Newton, Mass. New E.E. is Wayne Segal. Dave Wilson, former E.E. will take over the secretary job; Richard Stadlen will now be publisher of the bulletin. (Luck es success to all!)

For Sale: Heath DX20, 50w CW xmtr; a 1963 edition of Radio Amateurs Handbk. Write to Walt Smart, RR#1, Pittsfield, Illinois. Sale or Swap: Globe C100 CB xcvr w/three channels; Astatic 527 mike. Contact Ralph Irace Jr., 4 Fox Ridge Lane, Avon, Conn. For sale: an assortment of rx's including: RCA, GE, Knight and a Navy CQV-46151. For info write Dick Jenneman, RR#2 Box 104, Stanely, Wisocnsin. (NASA does not solicit commercial ads!!)

A REPEAT!!!

NASA Hdqs continues to rcve requests for sample bulletins and membership info from radio hobbyists in countries aboard. Too, members have asked about sponsoring a DXer or friend overseas; Here then we again say as we did in past Frenx....

Although we are most interested in gaining members from abroad and comply with those requests mentioned above, we point out to them the facts re mailing of bulletins by 3rd class or printed-matter rate. In most cases it takes a month for bulletins to arrive via this mode; Thus contents are, for most part, outdated, of little value newswise. We also point out that first-class is no faster via sea or surface mail to overseas (not appreciably anyhow!) and too, that air-mail rates and farr too high but will be accepted if anyone is interested (none have been to date!)

We are not talking overseas OM out of NASA membership! What we are doing is giving them the facts so that they undersatnd and know that we want them to benefit should they join us. NASA is not merely seeking new members for money...it seeks members for reasons moreso re "Unity & Friendship", beneficial to club and hobby! On the matter of sponsored memberships, we have and do accept!

As for potential members from Communist countries, we will also accept memberships either sponsored or direct...the latter however, though impossible to be paid for monetarily, can be done in mint stamp form. (NASA can exchange these for US stamps!)

Finally, the 3rd-class/printed matter rate for overseas membership is now the same as stateside...\$4.00 per year.

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Exclusive

THE LOUDENBOOMER REPORT

Exclusive

"What ever happened to Max Moxey?" asked the young visitor to the Loudenboomer shack, referring to one of the best known DXers of recent years.

"You dont know?" Charlie answered. "I thought everyone had heard about poor Max. It was such a tragic thing, him so young and at the peak of his listening career and all. Let me tell you about it, . . . ."

The sad tale of Moxey's disappearance began one cold night last January. As everyone knows, Max had just one big ambition in life...to verify Radio Tibet! Day after day, week after week for years, the intrepid listener tuned the stations reported frequency to no avail; Never a sound did he hear. It could be truly said that Max's entire world centered on his quest for the elusive Asian.

That frigid night, after tuning for Radio Tibet in vain, for the 6324th consecutive evening, Moxey was sitting dejectedly in his shack when he heard a knock at the door. "Just a minute...Just a minute!" he snarled, his normally tranquil personality ruffled by his failure. He walked to the hallway and swung to door open wide.

To his surprise, there in the swirling snow stood a strange looking man dressed from head to toe in scarlet, yet at least Max thought he was a mortal being. From beneath a red skullcap, ragged bangs of black hair emerged. His eyes were like glowing coals and Moxey noticed his ears were more than a little pointy, like a red fox's.

"Hoaky smokes" Max blurted out, "you look like the devil!"

"Precisely" the stranger replied, "but I would prefer to be called Mephistophocycles. But enough of this chit-chat, let's get down to the burning issue. I understand you want to log Radio Tibet, right?"

"More than anything in the world" Max answered.

"Yes, I thought so", the devilish visitor responded. "Now I have a proposition that I think you will find interesting."

So the man in red began to outline his proposal to the curious DXer.

"You just sign this little contract with me and I'll guarantee you Radio Tibet."

"As simple as that?" queried Max.

"Well almost" said the stranger. "There is a little matter of payment though. When you sign this contract you agree to turn your soul over to me after a certain period of time". With that he pulled out a small japanned box and opened the lid. There Max saw a few tiny sheets of wrinkled, yellowed paper, looking like old IRC's.

"These are the shriveled souls of some of my past clients" Mephistophocycles evilly chortled.

Moxey shuddered involuntarily, but the offer was too tempting despite the terrible price. He had to have Radio Tibet!! Picking up a pen, he signed his name on the dotted line. As he crossed his last "x", the stranger vanished with the contract.

The next evening Max again dialed the familiar frequency of Radio Tibet. To his astonishment, there, with an S9 plus signal, was a man's voice saying clearly "You are listening to the English language service of Radio Tibet." Hand trembling, Max jotted down voluminous details of the reception for the next two hours. Later that night, he slipped his precious airmail letter, addressed to Lhasa, into a mail box.

Weeks slipped by, and months too, but no reply from Radio Tibet came. So it was a very discouraged Max Moxey who again answered a knock on his door last July.

When he opened it, there stood the dread figure of Mephistophocycles. In a raspy voice, totally unlike the syrupy tones he had used during his first visit, he muttered "I've come to collect your soul."

"Wait just a darned minute" Max argued. "I'm not going with you! You failed to keep your end of the bargain! Sure I logged Tibet as you promised, but I've waited and waited for months and there has been no sign of a reply. You welched on the deal! I never got the verification from Radio Tibet!!!"

Slowly pulling out his japanned collecting box from beneath his scarlet cloak, the satanic stranger just smiled. "Verification?" he asked, "Who said anything about a verification?".....

NEW

MEMBERS



NEW

MEMBERS

Earl Warfield/WA9WIG, Mt. Carroll, Illinois. "I am 21 and single. Have been an SWL for about six years, also listen to MW and am active on 2 meters having had my ticket since 1963. Monitoring gear includes an S-108 and a Monitor Radio-PR35B; Antennae are a 40m dipole and a ground plane. I read about NASA in PE Communications Handbook."

Joel A. Glass, New York, New York. "An avid, though rather new SWL, I am 28, married and do Public Relations work, specializing in television field. Am a graduate of NYU, spent 3 years w/USAF in Germany. Currently am CBER and have hopes of getting ham ticket soon. Rx is a Hallicrafters S-200, antenna is a 35' longwire. I've 30 QSLs so far on SWBC, am interested in awards, contests, also photography and travel. First heard of NASA via 1966 World Radio Television Handbook."

Walt Gilchrist/WPE3GLB, Philadelphia, Penna. "Have been in SWLing for about a year now. Also am a CBER. Age is 15 and I am in highschool. My rx is an S-120 and I use a 40' longwire antenna. Am interested in contests, awards, cardswaps, also sports. A member of the Philadelphia CB Club, my rxvr is a Lafayette HE115A. I first heard about NASA from friend/member Vince Deleis."

Bob Citronberg(WPE applied for) Yonkers, New York. "I am a 13 year old SWL and enjoy the hobby very much. Reading of NASA in the Communications Handbook, I decided to join in hopes of expanding my knowledge of DXing. I would like to hear from other members around my age. Equipment here is a Hallicrafters S120 and Lafayette Exploraire; I use a 75' longwire and also a whip antenna. Am interested in awards, contests, starting to cardswap, also in bowling, stamp collecting and slot car racing."

Sam Cox/WPE3GLD, Philadelphia, Penna. "Age here is 14 and I attend St. Gabriels high-school. Have been CBER for over a year and active in SWLing for about 7 months. Gear includes a Lafayette HE90 and Hallicrafters S120, antenna is a 30' longwire. I swap cards, am interested in awards, contests and sports. Member Vince DeMeis/WPE3FEE told me about NASA; I'm glad to be aboard!"

John Wedcl, Waxahachie, Texas. "I am 16 and a junior in highschool. Have been DXing for two years on both SWBC and MW. Set up consists of a GE-P925 and an old RCA console; I use a 100' longwire with them. Other equipment is a Silvertone tape recorder. I am interested in awards, contests, tapesponding, coin collecting and wx observing, also in sports. I first heard of NASA via Richard Jenneman."

Gary Bywaters, Burgettstown, Penna. "I started in the hobby back in Sept. '65 using an old RCA-T8-14, then got a Hallicrafters WR-600. I also use a Silvertone 3361. Antennae are a 100' longwire and an inverted L. I am interested in awards, contests, astronomy, philately, also shell collecting and reading. First heard about NASA in recent issue of Radio-TV Experimenter. Incidentally, I call my shack..The tower of power! My age is 13, I am single and in the eighth grade."

Jerry L. Green, Clifton Forge, Virginia. "Am 13 and in highschool. I monitor SWBC and am presently using a Lafayette HE30 with a 50' longwire antenna. Have been in the hobby for about a yaer. I am interested in awards, contests, photography and astronomy. Belong to EIDXK and Radio Portugal DX Club. Read about NASA in '66 WRTH."

Richard Raffaelli/WPE2NXQ, Vineland, New Jersey. "I'm 16 and in highschool. Have been interested in SWLing for over a year now. I also DX on MW, and a little on hambands. I use a Heathkit GR64 and Lafayette HA63; Antenna is 66' dipole(interior). Other of my interests include contests, awards, philately, archery and guns. Heard of NASA via PE."

Rolf Erny/DE-9012, Offenburg, Germany. "An OM of 57 here, married and an electronic technician by trade. DX both SWBC and ARC bands; Use Geloso G4/215 and RX60-SSS12 with 50m and W3DZZ antennae. Interested in cardswaps, contests, awards, stamps and photos. Am member of DARC, REF and ISWL. Read about NASA in 1966 WRTH."

....More new members coming NASA way this month....see next page!!!!

New Members, contd....

Alberto Laveaga, Guadalajara, Mexico. "Using an old GE and a Zenith Transoceanic, I am interested in SWBC, mainly as SWler. Am a somewhat newcomer to the hobby even tho' I have thus far logged a number of countries. Age is 46, I am married and vocation is a chemist. Aside from SWling, I am also interested in folk music and would be pleased to hear from other members of like interest, perhaps to exchange Mexican LPs for different others. NASA is my first club, I read about it in one of the national magazines."

Jack Winther/WFE6BJD, Moraga, California. "Been SWling for six years, primarily DX on the hambands and now piled up about 350 QSLs. RX is a National MC173 and I use an RFE-DB23 preselector with it, also have a CE SSB slicer. Antenna is a Gotham V80 vertical. Vocationally connected with the USPostOffice Dept; Age is 54 and I am married, have a 17 yr old daughter WFE6BNI. Am interested in contests, awards, western history and I collect silver dollars. First hrd abt NASA de friend/member Ernie Zecchini."

John Callarman, Pampa, Texas. "A bachelor of 30 here, I started DXing in 1947 and tune both MW and SWBC bands. RX is a Hammarlund HQ160, antenna rather wierd, being a combo of a 40' high TV ant and a 40' long inverted L only 6' off the ground...but it works! Vocationally I am station mgr and news director of local station here, WPDN. Am member of NNRC and also IRC wherein I am editor of the foreign DX section of DX News (mine are the golden "behind" pages!) Have QSL'd 44 countries on MW and about 60 on SWBC, plan to up latter to 100 by end of this year. Heard about NASA from various sources, decided to join after seeing high calibre of Friendx."

James McShane/WFE6DEF, Omaha, Nebraska. "Single, 21 and a Junior Law student. Shack contains a Drake 2b rx, HF15A xcvr(CE) and Wollensak 521 recorder. Antenna is a dipole. I monitor SWBC, MW and Utility freqs. Am interested in awards and contests and do a bit of cardswapping, am also schooled in radio-electronic theory as well as Radio Law/FCC. Hold first class radiotelephone license and tech APC ticket (P1-17-2799, WA/LHC). First heard about NASA via Richard Jenneman."

Peter Grenier/WFE1FWI/6, Azusa, California. "I began SWling about 2 years ago when I lived in Mass. Moved here to present QTH in August '65 and now attend Citrus College. Am 19, single. Gear consists of Hallicrafters S119 and S120, antenna is 75' longwire. Monitoring interests are on SWBC and APC bands. Other interests include awards, card-swaps, contests, sports and reading. Am member of RCSWC and formerly of ISWL. First learned about NASA from Dick Jenneman/WFE9GCZ."

Alexander Demers Jr./WFE20AY, Stratford, New Jersey. "Started SWling in '64 with an S120, now have a Hammarlund HQ129X using a Gotham V80 vertical. Presently have total of 84 QSLs. Am interested in awards, contests, coin collecting and science projects and also in TV DXing (I use a Sylvania set), and MW/BCB. Would like to hear from other members in the Philadelphia area. My age is 15 and I am in highschool. Read about NASA in the World Radio TV Handbook."

(Applications rcvd after 20th of month will be listed in the next edition of Friendx!!)

#### RENEWALS

The following members have come aboard NASA for another year; Dick Wright, Phil Zucchi, Dave Lyon and Silvio Marini for their second; Reg Wilosn, Dave Kilborn and Herbert Keesecker for their third; Clayton Woodward and Walt Smart for their fourth; And Tom Mann for his fifth. (Tom is one of the original NASAers, being amongst first 25 to join when the club came into operation back wat seems to be eons ago! Hi!) FB having each/all back and we hope to get continued support from those known to give it as well as from those who have been somewhat lax, though well intended.

#### DID YOU GET ONE???

Hdqs has been sending out cards to those members never reporting/supporting the club. Sed cards ask "WHY" and offer those concerned a refund should they no longer have any interest in the club/hobby. NASA, nor any clubs, wants subscribers...all want members! So if you rcve one of the cards, please be good enough to reply to it knowing result will benefit the club proper and that your cooperation will be most appreciated. Thx!

MANY HAPPY RETURNS!

Checking the birthday files of NASA, we find the following members will celebrate this month: Richard Moore, Joe Rudolph, Gerry Dexter, Jim Howard, Richard Fields, Mel Flannagan, Ray Fansler, Roy Fansler, W.B. Mucker, Ernest Black, Mike Scott, Bob Hayes, Austin Arnold, Dan Moll, Warren Nordgren, Jean-Pierre Duburcq, Ed Hadej, Paul Classen, Herb Donehoo, Jody Tollison, Thomas Rhodes, Jack Keene, Allen Bethel, Paul Donegan, and Ray Boik. Greetings all!

CHARLIE IS POPULAR!

Quite a few Cll, both in and outside NASA, have been commenting favorably on the new series began in Frendx three months ago and called "Loudenboomer Report", written by our very own Charlie Loudenboomer. Of course this pleases him and us, especially since we were somewhat skeptical as to it being accepted, and as to whether or not the clubs/hobby were ready for such. Anyhow, seems as though Charlie is headed for success. Follow his report each month exclusively in Frendx...ya never know what he is going to write about, but you can be sure it will contain a "message". The ASWLC calls this the best satire ever to appear in a club publication. (Don't let it go to your head Charlie boy! Hi!!)

SPECIALTY CLUBS

There has always been the NRC for those interested solely in ECBing, and now there is also the IRCA. Too, there are now clubs especially for cardswappers, tapesponders, utility DXers, certificate hunters....even one for survey collectors. Yet there are none strictly for SWBCers, and none for hamband DXers altho one or two specialize more so in one of these modes of listening over and above other modes in their club bulletins...i.e. ASWLC and CDXC via "SWL" and "Cadex" respectively.

Until recently, NASA has been content to stay within the realm of "general" clubs, but of late, widespread interest is being shown warranting our giving consideration to becoming specialized in SWBC..and so we are doing. However, nothing is definite yet and no positive plans have been made. Still, "feelers" are being put out and we are taking basic actions.

TWR, BONAIRE WRITES NASA

Amongst the many letters from around the world coming into NASA HDQ was one rcvd from TWR, Netherlands Antilles requesting they be sent our monthly bulletin. Per the letter, they are planning a program "designed especially for DXers"; However no times nor frequencies have yet been sked. They assure us they will inform NASA as soon as decisions are made. We are not certain, but would assume other clubs have also rcvd similar/same letter from our TWR, Bonaire friends. One thing we are sure of, if/when they do begin a DX program, it should be easily rcvd in all states and provinces, therefore wud gain them many new/additional regular listeners. As to the popularity and the worthiness of the proposed program, only time will tell. Needless to say, NASA will be glad to cooperate.

FOR SWBCers & BCBers

World Publications, Denmark has informed us that latest editions of (a) "News from around the World" and (b) "World Medium-Wave Guide" can be had via clubs, at a 40% discount per copy. List price, which includes postage from Denmark, is \$2.15; So, if you are interested, you can save yourself 76¢ by ordering via NASA. (The postage fee of 25¢ is not included in the discount!)

"News from Around the World" lists times, stations and freqs giving news broadcasts. It also lists the languages used.

"World MediumWave Guide" lists all BCB stations of the world (including NA) and is in various sections as to freqs, call letters, and alphabetically according to location. There is also a section on Long-wave.

NASA members wanting any of these books can order via the below form. The only stipulation is that all orders must be in no later than March 31st. Orders will be mailed from Denmark! Pse allow time!!

NASA Hdqs:

Enclosed is check/money-order for \_\_\_\_\_  
Please send me \_\_\_\_\_ copy(s) News of the  
World \_\_\_\_\_ copy(s) World MW Guide at the  
price of \$1.39 each ppd.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State/Prov \_\_\_\_\_

TUNE IN 'AIR FORCE ONE'...Anybody  
can! sez the F.C.C.

If you have a shortwave rx and didnt hear wat General Westmoreland sed to General Taylor, you havent been listening very hard.

"Westy", that is, Gen. Westmoreland, commander of U.S. forces in Vietnam, asked "Max", Gen. Maxwell Taylor, military advisor to President Johnson, to please see that his daughter got back to school okay. (General Westmoreland was on the ground in Honolulu; General Taylor was aboard the Presidential jet 'Air Force One', with LBJ, Kathy- 17 year old daughter of Gen. Westmoreland, and others flying back to the mainland after the conference with South Vietnamese leaders in Hawaii. Kathy had made the trip to see her father.)

Well over a million sets in the U.S. could have brought this conversation in if they had been tuned to the right freq at the right time, a man from the FCC estimated. How many listened, nobody knows, but one Joe Washburn, a college student at Scottsdale, Arizona was the only one impressed enough to talk about it...and he got plenty of publicity in the papers....

"CROWN," he sed, is the code name of White House communications. "Everybody knows that" sed a man at the White House, elaborating casually about it all. "Its been used so much its common knowledge. The amateurs and SWLs have been listening in on this for a long time."

Why so free with these communications? "We have ample equiptment aboard for top-secret communications" the man sed, pointing out that overheard conversations did not fall into security classifications. (There is a second radiotelephone that scrambles voice communications and, without an unscrambler, comes in as gibberish. For secret written messages, there is a teletype system that cannot be intercepted...sez the Signal Corp.)

"In that case, wats Sec. Rusks code name?"

"I cant tell you!"

"Wats your code name?"

"I dont have one anymore!"

"Wat did it used to be?"

"I cant tell you, it might be assigned to someone else now!"

"Who selects these code names?"

He supposed it was the military. A White House Signal Corps officer sed he knew how they were selected but was not authorized to tell. Neither would he identify, openly, the freq used for CROWN messages. A Pentagon officer reported the names came out of JAMAF- Joint Army Navy Air Force- a publication under control of Joint Chiefs of Staff. He sed further "These names are simply made-up. selected at random and checked to be sure they are understandable phonetically. The they are assigned to the using agencies and are controlled to avoid duplication and confusion. They can be changed anytime."

(The red button on the White House telephones carries a printed code name that cannot be found in JAMAF because it was devised by a telephone installer who probably was an old Morse code operator. The code name is POTUS, obviously meaning President of the United States.)

Anyhow, the next voice Joe Washburn hears could come from the Justice Department. He has already been checked by the FCC which has determined he is not an anateur operator, but an SWL. There is no law against listening, said an FCC man, but there is a law against passing along messages that belong to somebody else. The maximum penalties for willful violation are a year in jail and a \$10,000.00 fine.

...de New York Times via Lou Rivera...

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NOTE: Newspaper items such as above are most welcomed...so long as they, in some way, tie in with the hobby of radio communications. Though such are contained in numerous papers, they are many times unread, not seen, by club members; Therefore our having them in bulletins serve not only as being of interest hobby-wise, but also in ways of educational value. We invite/request all members to submit such to hdq at any time.

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# NEWSROOM

Doug Benson, Editor

49 Washington St., Lakeport, New Hampshire 03246



The newsroom this month features everything from a sinking ship to medical radio hookups...

Pirate Radio Runs Aground The Mi Amigo, housing Radio Caroline South, ran aground after breaking her moorings in the North Sea. She washed up near Frinton, England, while coast guard ships rushed to remove her crew of 16 disc jockeys, seamen and technicians. The broadcaster, first of the infamous pirate radio vessels anchored outside the territorial limit to circumvent the English ban on commercial radio, may, if refloated, be back on the air by the time you read this item. (Via Neal Gregory, Oregon, and SCDXers)

More on the dial-a-satellite Bill Eddings sends us further info on Boston's unique phone service which we covered two months back. Via the Science News Letter, we have the additional information that not only is there such a service in Boston, but Washington as well, and Hayden Planetarium in NYC has its own service, utilizing the same source. Respective telephone numbers to dial are 617-491-1497, 202-737-8855 and 212-TR-30404. As of January 12th, there were 972 man-made objects circling the earth, not all of them satellites. Some are burned-out second stages, etc. Dial-a-Satellite was begun in March 1964, when a relatively few objects were up.

Walkie Talkies Cause Airwave Havoc In and near the Miami area, reports Ralph Irace, KMB0722, dead carriers from handheld walkie-talkies are causing consternation. Although unlicensed for the most part, and of limited range, the CB rigs are disrupting normal business communications, and the FCC has been receiving complaints.

LA station sold Westinghouse Broadcasting Corp. has added another outlet to its chain, this time KFWB in Los Angeles. \$11,000,000 was the purchase price! Crowell-Collier Broadcasting, former owner, notes its emphasis is shifting into television operations. (Gary Payne Calif., via AP)

ANARC aids Radio Sweden Radio Sweden asked ANARC monitors to check on their special North American transmissions over 5990/6020 kcs. during the last few days of January. Ye Editor and other NASAers took part, with the results to be announced at a later date.

New York city digs out with ham aid Oswego, New York, last month hit with a record-snattering 102" of snow (that's almost nine feet!) owes much to local ham operators, and to members of the NY State Comm. Net who relayed messages in and out of the snowbound city, aided in traffic handling (vehicular), and kept what could have been a panic situation from developing. Residents of Oswego were completely trapped, with supplies airdropped by helicopter. (Ye Editor)

FCC Warns Broadcasters In a strongly-worded protest, The Federal Communications Commission early in February said that domestic radio stations who fostered treasure-hunt games and similar contests might be jeopardizing their licenses. Said the governmental agency, they might refuse to renew licenses of these broadcasters. In its new declaration, the agency cited such varied complaints as damage to private and public property, police traffic control, jams and snarled

telephone switchboards. FCC said such disruptions raise questions as to the stations' sense of responsibility. (Joe Fela, MW Editor, UPI)

Doctors use full gallon No, not blood, but a full kw of power, as Duke University's Medical Center sets up a 1,000-watt transmitter to render fast two-way radio service to doctors in the isolated jungles of the world. The rig set up via a grant of \$25,000. (Via Bill Eddings)

NASA Newsroom Story of the Month (with thanks to Larry Bennett)

When Robert Goldman took over one of those talk programs on WTTM Radio in Trenton, he didn't know what he was getting into. He's an Eng. professor-turned deejay on WTTM's "Open Mike". On January 30th, after having interviewed previously a singer with alleged leftist views, Goldman glanced up from his mike to find two men in the studio. They began to beat him with the live microphone, while an estimated 2,000 listeners monitored as they smashed him into unconsciousness, and left. Police arrived too late to catch the attackers, while police reported thousands of phonecalls reporting the beating. The last words stunned listeners heard from Goldman were "I can't get up, I can't get up." Goldman reported to police that, when he took the program over last spring, he was stopped by a group of men in a car, and his life was threatened. (Editor's note: Tis a cardinal sin in radio to leave the station unlocked while on lone duty. We may assume that Mr. Goldman, not being a fulltime station employee, was unaware of that regulation.)

SCDXers and NASA exchange info We thought it appropriate to note here that Radio Sweden's SCDXers is now using more and more news from the NASA bulletin, specifically from the shortwave section. Although they often quote news from their local Scandenvian clubs, it's been a long time since we've seen any use of a North American club's info therein. Our personal thanks to Radio Sweden for their confidence in our material and our thanks too for their biweekly DX scripts, which we in turn find invaluable. (DE)

New transmitter going up Radio Nederlands is building its own relay transmitter site on Bonaire with two transmitters of 250 Kw each. (Via BDXC and SCDXers)

Basutoland installation to start By the time you've read this, construction may have begun on transmitters for the Lesotho Broadcasting Corp., with the station slated to be on the air at the end of 1966.

New antenna for SW from Solomon Islands SIBS is to erect a new 8-element antenna to be put into use on 3995 kcs. (Both via SCDXers)

Seems we've got more broadcast news this month than shortwave. Let's dig further into the News clippings and see what we find...

Peter DeHart, new reporter this month, sends this item:

Black Nationalist Claims he's Voice of Radio Hanoi A young self-possessed liberal who disagrees with US policy in Vietnam has claimed to be the "Voice" of Radio Hanoi broadcasts urging American fighting men to lay down their arms. Ronald Ramsay is 27, and told UPI he produces tape recordings which are shipped behind the Iron Curtain and used by North Vietnam. The program, known as Radio Stateside and of course broadcast by Radio Hanoi, is different from the hard-sell propoganda dished out by "Hanoi Hannah". Ramsay is living near Compton, California, and he claims to be a "black nationalist". (Via Peter and UPI)

One of our new reporters this month, besides Pete, is Bob Taylor of Clarksburg, West Virginia. Here's what Bob sends the newsroom:

FCC to control all cable television services The FCC has announced that it will start to control all cable TV systems that do or do not use microwave relays. Congressman Moore (of W Va, Bob?) said that the rules would have to pass a congressional committee. They're designed to protect local channels by having the CATV systems black out distant channels carrying the same programs as a local channel, despite the factual possibility that the local channel might provide an inferior picture to that transmitted by CATV (Cable service). (via the Clarksburg Telegram newspaper) As one of the areas affected, Bob, we might add that this law also makes it possible that major programs would be put into the "ten day delay" category too. Editor.

More on Radio Caroline from Gary Wallin, Iowa: the AP notes that the British Government has no plans to seize the partially-capsized Mi Amigo unless it begins broadcasting again.

Soviets experiment with 3D TV Technicians in Moscow are fooling around with a three-dimensional television set, notes Tass. A rectangular screen behind the transparent face of the cathode-ray tube does the trick. (AP via Gary Wallin)

Golden Mike award to WHO Station WHO of Des Moines Iowa, pioneer in broadcasting for some 42 years got the sixth annual Broadcast Pioneers "Mike" award for public service. The award was inaugurated in 1961 by the New York chapter. Previous recipients included WLW Cinn., WGN Chicago, WSB Atlanta, KDKA Pitts., and WTIC Hartford Conn. (Gary Wallin via the AP)

New copper conductor A new copper alloy has almost twice the tensile strength of ordinary copper. The alloy has 90% the conductivity of copper.

New computer in the works A syllable analyzer, capable of breaking down spoken words into electronic code is being developed by RCA at Princeton New Jersey. The code symbols can be used to operate other equipment or to produce synthetic speech.

New modules for home use A new series of solid-state modules for the home electronics enthusiast has been announced by Audiotex Home Electronics, a division of GC Electronics. According to them, most users of modules express a desire for simple-to-use units with multiple functions. (all via Dick Jenneman and Mech and Science News Bulletin, publ. by Nat. Schools of Los Angeles)

More on those flying television studios in Vietnam US Military technicians plan to start tv in Saigon and surrounding areas up to 50 miles away via two VHF channels beamed from a Navy Super-Constellation flying at 12,000 to 15,000 feet. One channel will be used by AFRTS, the other by the South Vietnamese Government (Ron Luyster via TV Guide) However, George Zeller advises later that the plane(s) have been unable to begin operations due to electrical interference and other "technical difficulties".

But here's the real puzzler....Peter Dehart sent an AP article dated February 7th (before either of the two latter ones) advising that "tv had come to Vietnam" and describing a show broadcast there, and featuring Bob Hope on the "American's" channel of the two-channel setup. Maybe they had the plane up, then ran into trouble. We'll keep tabs on this interesting situation for you. Editor.

Not known this address dept. Gene Johnson (is he a NASAer?) recently wrote a shortwave station for a couple of musical requests; "America" and "God Bless America". "Those selections are not in our record library" wrote back the station the week of February 10th. Do we have to tell you the station was Radio Moscow? (Peter DeHart via UPI)

Electronics manufacturer robbed Tran Electronics Inc. of Winnesquam N.H. manufacturer of citizens band equipment, was broken into the night of February 13th and nearly \$1,000 worth of radio parts stolen. (Ye Ed.)

Two satellites set to check weather A 305-pound Tiros satellite will be in orbit by the time you read this if all has gone well, to be followed three weeks later by another Tiros. They'll be the core of a the first operational satellite system designed to keep a continuous, round-the-clock daily eye on the earth's cloud cover. (D. Jenneman, UPI)

Peter DeHart notes that there are now some 109 educational television stations, broadcasting to 40 states with an audience of 128,900,000.

And Dick Jenneman brought tears to our eyes by letting us know that onion crops are being ruined by electrical discharges during thunderstorms. It's called "tipburn" and is caused by ozone release.

Reporters to the newsroom this month George Zeller, Peter DeHart, Ron Luyster, Dick Jenneman, Bill Eddings, Ralph Trace, Gary Wallin and Bob Taylor. Please remember our deadline of the 15th of the month...

See you next month. Doug

### The ANARC Reports

A report to NASAers on the activities of their intra-club organization.

Doug Benson, Frank Peters  
Representatives to ANARC

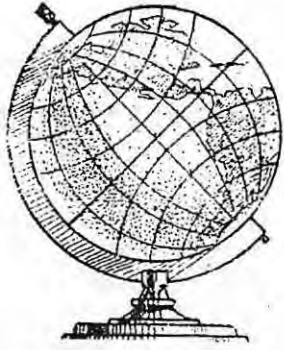
With the period for votes now past, and little or no concrete support evident from Representatives for a convention this year in any of the forms set forth for vote, we have it thus that ANARC probably will not hold a convention this year. The Exec Secretary referred to the lack of strong support by Representatives (and their club bulletins) toward Convention publicity, and thus his decision not to attempt the massive "push" that such a convention would require.

Your representatives passed along a suggestion to Joe Fela, BCB Ed., that was submitted by a non-Representative, for intra-club consideration. The proposal involves a voluntary group of BCBers to aid with verifications. If Joe deems the proposal worthy, I'm sure you'll hear more of it. If not, it'll take the route of all poor proposals.

ANARC Reps and other interested parties just completed four days of monitoring as requested by Radio Sweden in accordance with our Frequency Recommendations Committee. Sweden ran 30 Kw on 6020 kcs, dual to their 100 Kw outlet on 5990 kcs to North America, and asked for aid. It looks at this time as if the lower power, coupled with QRM, rendered the former frequency inadequate. However, Dick Wood, head of the FRC, hadn't at this writing submitted a full comprehensive report on the results. DB, NASA Rep., has submitted a proposal to ANARC concerning ANARC's proposed Country List, with the Exec Secretary to include it in the next newsletter (You're getting a "sneak preview")...

Here's one we'll pass out to you... With the Executive Secretary's term ending this fall, how about giving some thought to his successor?

Garry Dexter, hardworking ANARC Rep in his own right, and member of NASA, has been attempting to contact the Russian Ministry of Communications on verie policy. His report: buck-passing... That's it this month.



# NASA SHORTWAVE CENTER



Ronald Luyster, Editor

Route 1, Flushing, Ohio 43977

.....  
ALL TIMES GMT

.....  
DEADLINE 15th

## THE SAGA OF HANOI HANNAH (Or "How to Win Friends and Influence Enemies")

With all mankind's electronic and atomic advances, one war weapon remains constant--the seductive female voice. In World War II, Tokyo Rose and Axis Sally tantalized and infuriated GIs with sultry invitations to pack it all in and go home. In Korea there was Seoul City Sue. In the Civil War there was probably a Vicksburg Vickie somewhere, maybe even a Lexington Lil during the Revolution. At any rate, there's one in Vietnam bedeviling our boys today...and they call her Hanoi Hannah.

Hanoi Hannah is a North Vietnamese radio celebrity whom some GIs envision as a luscious lotus blossom and others figure as being just a hazzled old hag with a wart on her nose. Several hours a day, seven days a week, she (or rather, they--two girls share that nickname) sits in a Hanoi radio studio, playing the world's worst assortment of records and alternately sweet-talking and threatening GI's in an all-out effort to shatter their morale. But morale remains high...even a man without a country would have a difficult time getting homesick from most of the musical selections. Her nightly broadcasts to U.S. troops provoke howls of glee. Unfortunately for Hannah, she is trying to be serious.

After opening with such endearing greetings as "dirty imperialists", followed by the inevitable invitation to "go home", Hannah may turn things over to the other bundle of good-will, Thu Huong (Autumn Scent) who will hit the boys with a Russian toe-tapper of a melody called "The Celebrated Tractor Driver". A scathing political editorial may follow, then another musical highlight...perhaps a recording of an Asian soprano who sounds as if she's having her ears pierced. Rounding it out will probably be "Mailbag Time..."write us for the truth, friends."

Unlike Tokyo Rose or Axis Sally, Hannah is all business. No sex or sensuality. No reminders of mom's apple pie or mental sniffs of the perfume on the girl left behind. None of that on The People's time. She comes on like a WAC sergeant. There's no small talk, no intimacies and no nonsense...only propaganda.

But if you do like good music with your propaganda, there's always that friend of Hannah's, Peking Polly, whose SW broadcasts from China are beamed to Vietnam too. Many listeners tune in for the music and one GI remarked, "she has a darn good voice and the music is great". However, the same cannot be said for the propaganda. Tokyo Rose and Axis Sally were both two native-born Americans who with their sweet talk and uncanny intelligence information were quite effective during WW II. By contrast, Hannah and Polly have their spy stuff "all mixed up" and their approach is about as light as a lead balloon. Axis Sally might have played "Lili Marlene"...Hanoi Hannah prefers the patriotic ditty "Unity Will Defeat the Imperialists".

Are we countering with any Lonesome Gals of our own? Well, the VOA sticks to straight news reports and news that never gets into the Red press...but Radio Saigon aims Vietnamese folk songs and the voice of a girl who calls herself "The Night Orchid" at homesick Vietcong troops. These latter are somewhat more successful than Hannah and Polly but, even so, the War of Words in Vietnam is doing a lot less damage than the Battle of Bullets. And Harry and Polly, unlike the horror of the war, can be stopped by the mere flick of a switch. (This article reprinted in part from articles de NEA via Eddings/Hdq & "This Week" magazine, with comments by Ed.)

Daylight saving time will soon be going into effect in many parts of the U.S., thus, for the newer SWBCers in particular, we here offer aid in time conversion.

The following chart is based on the 24 hour clock system used/accepted around the radio world SWBC-wise. In this system, the hours from 1 a.m. to 11 a.m. are expressed as 0100 to 1100. Noon is referred to as 1200. From 1 p.m. to 11 p.m. are referred to as 1300 to 2300. Midnight is popularly referred to as 0000. With the aid of this chart, you can convert your local time to GMT, also known as Universal Time. It should always be used when reporting to SWBC stations, also when submitting reports to this section.

GMT UT	EDST	EST CDST	CST MDST	MST PDST	PST	GMT UT
0000	8p.m.	7p.m.	6p.m.	5p.m.	4p.m.	0000
0100	9	8	7	6	5	0100
0200	10	9	8	7	6	0200
0300	11	10	9	8	7	0300
0400	12MN	11	10	9	8	0400
0500	1a.m.	12MN	11	10	9	0500
0600	2	1a.m.	12MN	11	10	0600
0700	3	2	1a.m.	12MN	11	0700
0800	4	3	2	1a.m.	12MN	0800
0900	5	4	3	2	1a.m.	0900
1000	6	5	4	3	2	1000
1100	7	6	5	4	3	1100
1200	8	7	6	5	4	1200
1300	9	8	7	6	5	1300
1400	10	9	8	7	6	1400
1500	11	10	9	8	7	1500
1600	12p.m.	11	10	9	8	1600
1700	1	12p.m.	11	10	9	1700
1800	2	1	12p.m.	11	10	1800
1900	3	2	1	12p.m.	11	1900
2000	4	3	2	1	12p.m.	2000
2100	5	4	3	2	1	2100
2200	6	5	4	3	2	2200
2300	7	6	5	4	3	2300

\* \* \* \* \*

ANTENNA BITS

The simplest receiving antenna is a wire of random length. In general, the longer the wire, the stronger the received signals. Because of sensitivity of most receivers, a long antenna is not necessary for picking up stronger signals...and at frequencies below 30 megs, 15 to 20 feet of wire strung indoors will usually suffice.

However, for maximum results on any one band of frequencies, particularly those above 30 megs, it is necessary to have an outdoor antenna cut to the proper length to "tune" it to the desired frequency. The tuned antenna will improve the operation of the receiver at frequencies for which it was designed, because the signal strength is raised more in proportion to the stray noises picked up, than is the case with a random wire. The feed wires connecting the antenna to the receiver should also be "matched" to the antenna and receiver for maximum performance. Keep in mind that horizontal dipoles are somewhat directional.

Also, as general rule, best results will be obtained from an antenna that is free of surrounding objects and is at least 30 feet above the ground.

IDing UNIDs

Victor Jaar/Haiti, sends in the following re last months unidentified stations: 11915 is most likely 11910. BBC news hrd here in Arabic daily.

5935A probably 5930. Radio Frague to LA with listeners prog.

4910 is HIN. Could be no other. They dont relay La Voz del Tropico/HIL...and on the other hand, latter does not announce its call letters whereas HIL always does, for it has no other identifying name.

(Tnx for the info Victor...am sure Danny Douglas appreciates it and wont be so mxd up as he was now that you have advised.)

YOU A NEWS-HOUND?

If you be one of the SWBCers who likes to tune newscasts of stations throughout the world, you'll be interested to know that latest edition of "News from around the World" is available at discount price. See HDQ section for further details on where/how to order.

SWEDEN IN MARCH

As a rule, March is not a spring month in Sweden. To be perfectly honest, winter hardly ever shows any sign of relenting in the central and northern districts until April. There the snow is as deep as ever, particularly in the mountains, but March is often sunny in day, though cold at night. Further south, especially in the province of Skane, farmers begin to think about spring ploughing and sowing.

Skiing is the major sport, featuring the race at Vasa where it is run over an 86km course on the first Sunday of the month. As the snow begins to melt and the ice on the lakes thaws, signs of migrating birds are evidenced. Whooper cranes start long journey to their nesting grounds north of the Arctic Circle, mallards, coots and tufted ducks and mute swans begin departing from the inner habres near the Royal Palace and each days sees a gradual drop in their number.

For those Swedes with a sweet tooth, they look forward to the 25th of March; It is a tradition for them to eat waffles and cloudberry jam on that day...although this is a favorite mid-afternoon snack during the whole skiing season in the mountains of Sweden. (per Radio Sweden Bulletin)

LATE TIPS/TOPICS

According to local newspaper here, the already famous Radio Antilles, in Monserat, will soon start transmitting on 3240 in French, English and Spanish. No date has been announced yet.(Jaar/Haiti)

TWR, Bonaire, Netherland Antilles has sed it is planning a DX program. Frens and sked are not yet decided however.(NASA Hdn)

Anyone wanting to log Ireland may find the following info of interest:

Shannon AirRadio 8820A, is on the air evry first and third quarter of the hour with a five minit broadcast of weather forecats and meteorological reports. On the air on a 24 hour sked on 5995 and 8828, also 3000 Nov. 1st to March 31st at 1800-1200; April 1st to Oct. 31st at 2200-1000. Also on 13264 from Nov. 1st to March 31st at 1200-1800 and April 1st to Oct. 31st at 1000-2200. This station veries with QSL card. (Send IRC!) Address; Shannon Aeradio, Ballygirreen, Newmarket-on-Fergus, County Clare, Ireland. (SCDXers)

Another hoax bit may be in the werks! Or it may be that some "wag" is simply circulating out of date listings...anyhow, per ASWLCs Febraury "SWL", the former bit re VR6AC carrying Back to the Bible prog on 20m, dont make sense in that VR6AC/Rev. Floyd McCoy has been deceased since Sept. '63. (But whats this got to do with SWBC? Except that were such to be hrd on 20m, many OM would think it a new or a clandestine SWBC station "out of focus".)

The Blue Eagles matter seems to have been cleared up...but what about the Radio Electra numbo? (Or is enuff, enuff and the less sed the better?) Hi!

And now the "numbers" thing is back in the news....tis sed to be originating in the U.S. (Well, here we go again!!!) Anyone for listening for some quasers?????

Interested in clandestine radio stations? Could be ILSA will have a series on same beginning in near future. Don Jensen/NASA and DXRA has written a very thorough book on this subject...oen we think should be printed/published commercially.

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Will NASA become the first SWBC-only club?

## ?????UNIDENTIFIED STATIONS?????

- 5960 Station hrd here at 0835 on 2/2 in language similar to Chinese. Mongolia?? WRTH'65 lists Home Svc. at 2255-1505 on 5960. Have never ID'ed Ulan Bator in all my years as an SWL. (Rowell)
- 7000 Unid. hrd with chanting, then what seemed to be news at 1250, more singing and chants at 1300 till went silent at 1320 after OM & YL talked for a minute. Much ARO QRM. (Douglas) ...This possibly could be the Karachi, Pakistan outlet listed for 7010. (Ed.) Anyone else have any ideas?
- 2330 Heard Spanish xmsn of R. Nederland here at 2330. (Coulouras) This is either an image of a higher frequency of one of the Latin American outlets listed for this freq. relaying the Bonaire transmission at 2330. (Ed.)
- 7265A Heard station in French with s/on using accordion as interval signal on about this freq. Was blocked out by 7265 outlet of R. Tirana at 0530. (Coulouras) ...This might possibly have been ORTF, Comores Islands, 7260, sked to open at 0500 on Sundays this frequency. (Ed.)
- 4926 Another French-speaking station hrd from 2200-2310. Usually very severe QRM at around 2300. Opera music is often heard. (Coulouras)...This is freq. for Radio Ecuatorial, Spanish Guinea but can find no mention of French in their sked. (Ed.)
- 3310 Unidentified Peruvian station hrd here 0400 to past 0435. (Dexter)
- 7165 Unid. hrd at 0357 with chimes playing tune as IS, s/on in unid. language at 0400. Frequent mention of "Vietnam". IS again at 0430 and then either signed off or redirected antenna. (Douglas) Radio Tanzania? (Ed.)
- 3200A Station heard at 2321 with English news, ID'ed as ? Voice of ?. Played US national anthem at 2330 s/off. (Douglas)
- 4895 Station in Caracas, Venezuela heard at 1112 with Spanish music, ID, time checks and talk. (Douglas) Most probably R. Dif. Venezuela listed 4890. (Ed.)
- 6100A Station in Lima, Peru hrd 2/5 at 0420. (Widner) Radio Mundial, 6115? (Ed.)
- 2500 Who sits on top of WWV with a complete weather forecast at 1225?..Also hrd at 2330. (Pastor)

Anyone having info on any of these, please contact individuals named or SW Center.

Spanish Numbers Mystery.....The following is a log of the unidentified Spanish numbers station hrd in Brittany, Louisiana by member James J. Howard:

Freq.	Time (GMT)	SINPO	Rating	Date	
3300	0245	4444		1/24	..All these loggings in Brittany, La.
3150	0310	44454		1/25	except last one, made in Kansas City,
3300	0212	54454		1/26	Mo. Jim says, "Reception is interest-
3300	0300	54455		1/31	ing for a number of reasons..one,
6250	1810	54444		2/6	the 1800 logging is noon C.ST. So
6250	1824	34343		2/14	the station is "local" in the SW

sense, plus must be running high power." Zenith Trans-Oceanic used in Brittany & the NC-183D in Kansas City. Jim also remarks.. "Wish we could get someone around Pensacola to take a listen. Might be interesting!"..agrees! (Ed.) Brittany is 53 miles north of New Orleans. This report is further indication that the xmtr is U.S. operated. (Ed.)



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HONDURAS...A QSL rcvd from HRVC reported last month was signed by Dave Jones, station manager, who reported that the station is on 4820 with 5 kw/power but that it is temporarily off the air due to technical difficulties. I've not heard anything to indicate it is back on the air yet. (Bill Sparks)...However John Callarman reports reception of this station on 2/7 but did say that the Spanish ID includes the words "en prueba", meaning the station was testing.

WEST GERMANY...Deutsche Welle, Koln is currently requesting reports on its 2230-0130 transmission directed to South America. (Bert Pestor)

SPANISH GUINEA...The schedule for R. Santa Isabel is as follows: At 1320 & 1945-2100 Spanish...1630-1800 Pamue....1800-1900 Bubi....1600-1630 Annobonesa and 1930-1945 in English. Pamue, Bubi and Annobonesa are apparently native lingos. Their mailing address is: Apartado de Correos No. 195, Santa Isabel, Fernando Poo. They broadcast on 6280 with 5 kw. and ID as "Desde la Isla de Fernando Poo, transmite la Emisora EAJ 205, Radio Santa Isabel. (Jerry Headen)

JAPAN...R. Japan April sked to ECNA will be 2345-0045, currently 0000-0100 in English. The xmsn to WCNA will be 0200-0300, formerly at 0300-0400. Will also be a new xmsn to Europe in German at 1930-2000, no freq.'s announced as yet. (August Balbi)

SOUTH KOREA...According to SCDXers, a new 350 kw. SW transmitter will be in operation here in March, 1966. (August Balbi)

SOUTH AFRICA...The SABC reportedly will begin a transmission to Europe in March on the 25 & 31 metre bands, most probably using 250 kw. No further details. (August Balbi)

NETHERLANDS ANTILLES....According to reports, Radio Nederland is constructing its own facilities of two 250 kw transmitters on Bonaire. (August Balbi) (Victor Jaar)

ASCENSION ISLANDS....The new BBC relay being constructed here is sked to be in operation by mid-summer 1966. (August Balbi)

TANZANIA....The Voice of Tanzania will have a Communist Chinese-built 100 kw. xmtr in operation in near future at Dar-es-Salaam, according to the "New China" News Agency. (Victor Jaar) (World Radio Bulletin) (SCDXers) (Radio Nederland).

NORTH VIETNAM...Radio Hanci, according to reports, lists 11840 & 9840 for English programs but has been heard for over a year regularly on 11760, 9760 & 9830. (A. Balbi)

VOICE OF AMERICA....According to a Radio Nederland broadcast, VOA relays of 250 kw. are being planned for construction in Greenland, Thailand & the Philippines. (A. Balbi)

DOMINICAN REPUBLIC....HIAF, Radio Monte Cristi at Monte Cristi is now active again on 3245 kcs., //630 kcs. MW. (Victor Jaar)

ECUADOR...La Voz del Volante, Portoviejo, 6100 kcs now announces 5 kw. (Victor Jaar)

NETHERLANDS....R. Nederland announces it will send any SWL free of charge a Spanish vocabulary for use in sending reception reports to Spanish-speaking stations. Write to: DX Jukebox, R. Nederland, P.O. Box 222, Hilversum, Holland. (Charles Gerran)

PERU....In reply to query in Feb. issue, Radio Union, Lima has been on 6115 for at least a year despite what WRTH says. The address for reports to this station is: Radio Union, Avenida Abancay 377, Lima, Peru. (Don Jensen)

BURMA....The BBS is back on 5040 with its English programs at 1445 after being off this frequency for some time. (William Sparks)

ANGOLA....Luanda is now coming on the air at 0500 instead of 0600 on 4820//6025 and provides a much better signal at this time. (William Sparks)

CLANDESTINE....Radio Euzkadi, Basque clandestine, has now been hrd on 13250//11240 around 2130-2202 s/off. First time both frequencies heard in parallel. (George Zeller)

USSR....Radio Kiev has started a new DX Club, following in the footsteps of many other broadcasters. To apply for membership, one must send in three consecutive reception reports. (Marvin Nelson)

SHIFTERS....XEMP, Mexico City frequently shifts freq. to dodge nearest QRM, as also does XEHH, ranging from 11885 to 11888 when WRUL is on 11880. Elizabethville, Congo also uses same tactics, varying from 11863 to 11866 around 1700-2100. (Sam Rowell)

| AROUND THE SWBC WORLD NEWS |

A program featuring French dance mx is aired each Saturday from 1930-2030 by Office de Radio Television Francaise (ORTF) on 11885 mcs. A half-hour b/c of international news follows before its 2100 s/off. All announcements are in French. Reports are welcome and are verified by card from the station's Paris office. (NSB)

Using 50-kw transmitters, the Burma B/C Service broadcasts English language programs at 1445 & 0200 on 6035 mcs. Then from 0700-0730, 7120 is used instead of 6035. Return postage is required for a verification card. The station's address is: Prome Road, Kamoyat P.O., Rangoon, Burma. (NSB)

It is suggested that listeners wishing to log Radio Senegal, Dakar tune either 9675 or 9720 mcs daily from 1900-0100. The station uses 100-kw transmitters changing frequencies as interference builds up., sometimes in the middle of a broadcast. Several DXers have reported hearing the station's MW outlet, which uses 200 kw. on 704 kcs. from 0800 to 0100 daily. Dialers may send reports to: B.P. 1765, Dakar, Senegal. (NSB)

Radio Vilnius now is directing an Eng. language program to N.America Sundays at 2300-2330 on 7110 kcs. This Soviet station asks that reports be sent direct to: Lieturas TSR Radijas, ul, Kanarshio 49, Vilnius, Lithuania. Return postage is not required. (NSB)

Radio Tahiti is being heard at 0500 with excellent signals on 11825 kcs. Ann.'s are in French, Maori and Tahitian. ID of station is: "Ici Tahiti, Radio-Television Francaise". At times, a second xmtr on 6135 kcs is used in parallel. Listeners desiring a verie may submit reports by airmail to: Rue Dumont d'Urville, 410 Papeete. (NSB)

As of mid-January, Radio Peking's Russian language broadcasts have been stepped up to 77 hours per week, with two new 1-hr. programs beamed to Siberia and other border areas. US broadcasts in Russian now total 46 hours weekly. (Newsweek)

Radio Haiti, Port-au-Prince is operating 4VW on 1330 kcs and 4VHW on 6060 kc. daily from 1100-0400. These stations have been ignoring requests for verifications. However, Victor C. Jaar states that program information submitted to him at P.O. Box 393, Port-au-Prince will be taken to the station and checked. Verification cards will be obtained for all correct reports. Return postage will be required. (NSB)

Listeners should tune for Radio Belize, Br. Honduras for English programs sked daily from 1200-1530, 1800-1900, and 2230-0400 on 3300 kcs and 834 kcs. L.H. Young, chief broadcasting officer, verifies from Belize, Br. Honduras. (NSB)

Beaming its most popular program, "Norway This Week", to Australia, Asia and the East Coast of North America every Sunday from 1400-1430, Radio Norway uses these five freq.'s: 21730, 17825, 15175, 11850 and 9610 kcs. (NSB)

Radio Luxembourg now is using its 100-kw xmtr on 6090 kcs. Flemish programs are broadcast during morning hours, German in the afternoon and English at night. Various other language programs may be heard throughout the day on 15350 kcs. (NSB)

Announcing as "Belyyis Minsk", the Bielorrussian (White Russia) station identifies its two daily xmsns from 1830-1900 on 7280 and 6020 kcs and from 2130-2200 on 5920 and 5940 kcs. Verification and schedule may be obtained by sending report to Radio Moscow, USSR. Return postage is not required. (NSB)

Radio Ulan Bator now broadcasts in Eng. on 11850 and 9540 kcs., Tues., Wed., Friday and Sat. from 1420-1520 and on Mon., Tues., Thurs., & Friday from 2130-2230. Reception is best in the morning on 9540 kcs. (NSB)

The VOA amateur program in Spanish "CO desde Washington" is now aired on Sat. at 0230 and repeated Sundays at 1245 on usual 19, 25, 31, 49 m.b. outlets and the 1180 kcs. MW relay. (Victor C. Jaar)

....QSL's recieved during month: R. Pioneira de Teresina, Brazil (4885)-letter of verification & pennant in 2½ wks; XEUV, El Eco de Sotavento, Mexico (6025)-picture postcard as QSL and pennant in 2½ wks. Was 4th try. Pennant stat. Dec. 13, 1965 was st.'s 35th anniversary)..QSL from HCJB (9745) and Indian-made rondelora, musical instrument for participating in "Letter Month". Rcvd note from Peking stating report to Radio Hanoi had been forwarded, plus a Chinese sked and magazines. (Field)

....Latest QSL's include: WRUL in 5 weeks, KGEI w/colorful card in 3 weeks...CBC, card with eskimo sculpture photo in 3 weeks...R. Sofia card with photo of Bulgaria & radio tower in 5 weeks..WWV, card in 2 weeks, CHU, card in 2 weeks, CFCX in 2 weeks. (Trace)

....Three new ones this time: R. Havana with card & letter in 12 weeks...R. Bamako, Mali with card in 26 days and R. Conakry, Guinea with letter-form in 23 days.... Was surprised to receive QSL from Conakry in only 23 days. Info on QSL stated sked as: 0600-0830 on 6155...1230-1330 on 4910 and 1600-0000 on 9560. They also mentioned they will verify correct reports and an IRC must be enclosed. Stated they receive about 31 reports per month, most of which are from the USA, L.America, England, France & Belgium. My rpt was no. 116 from the USA. (Fansler)

....QSL's recieved this month are as follows: Malagasy Rep. (15265) sent QSL w/no info in 2 weeks...VOA-Honolulu (15105) sent QSL in 10 days, CFCX (6005) sent QSL in 7 weeks, R.Clube de Mozambique (15295) sent QSL w/all info but time in 2 weeks VQ04, Solomons (3995) sent FB QSL in 2 weeks and R. Senegal (9720) sent card w/all info in 2 weeks. (Fredricks)

....Latest QSL's recieved here are: TWR, Bonaire (9605)-14 days...R.Havana (6135)-66 days...Vatican Radio (9645)-65 days...SBC (9665)-45 days...R, Moscow (7310)-53 days...ORTF (15190)-7 days...D. Welle, Koln (11795)-18 days...R. Japan (15135) in 18 days. (G-vin)

....QSL's recieved here during January include: card from Polish R. (6135) after 6 weeks/.TWR, Monte Carlo (7260) in 13 days...R.Tahiti (6135) card after 6 days... .Voice of Nigeria (7275) card in 4 weeks...R. Bucgrad (15240) foldout card after 8 weeks....VLT9, New Guinea (9520) card in 20 days...R.Senegal (9720) card after 10 days...La Voz de Chile (9700) card in 12 days and R.Prague (7115) card after 7 weeks (Parker)

....Only one QSL this month, R. Australia verified in 11 months. Was signed by Simone Cnalowpek, Director of Overseas Services. (Kuzmicki)

....One QSL to report: R. Santa Isabel, Sp. Guinea with 3 good stamps on envelope. (Headen)

....Recieved QSL's: R. Canada (9625 & 15320), D.Welle, Koln (11795)..card and sked in about a month, Trans World Radio (11880) folder type card & prog. sked in about one month. (Deal)

....Two QSL's recieved: R. Baghdad in 22 days and R.Australia in 7 mos. (Stevens)

....Just one new verie: AFRTS, Delano, California. (Shoaf)

....Verifications rcvd since Jan. 1st: D.Welle, Kigali, cards; R.Clube do Sao Tome, folder; ZUO Time Station, S. Africa, letter, card, info sheet; AAE60, New Mexico, card; Radio El Patio, Honduras, letter; Moscow PTT, card; Deutsche Post, Frankfurt/Main, letter; Saudi Arabian RTT Adm., letter; AAI-Ft. Bragg, N.C., card; WAR-U.S. Army, Washington, D.C., card; PTT Monrovia, Liberia, card; La Voz de Papagayo, Dom. Rep., card; R.Tovar, Venezuela, card; ITT Cable & Radio, Puerto Rico, card; French Telecom. Svc., Fort de France, letter; IRFS, Nairobi, letter; R. Tropical Co., Panama City, card. (Dexter)

....QSL's rcvd this month: D.Welle, Kigali-55 days; V. of Nigeria-;6 days; V. of Malaysia, Kuala Lumpur-letter in 26 days; CJCX, Nova Scotia-16 days; VOA-Rhodes-(mailed to Washington)-21 days. (Douglas)

....QSL card and letter recieved separately by air mail after 13 days from R. Clube de Mocambique, (15295). (Jaar)

QSL



REPORT

....New QSL's: R. Finland (15185) & Finnish DX Club cards in 12 days, R. Nederland, Bonaire (9590) in 18 days and Swiss B/C (6120) in 14 days. All airmail. (Taylor)

....QSL's in this month from: R. Americas, card in 20 days (Rpt sent to PO Box 352, Miami, Florida); also R. Portugal, card after 17 days on second report. (Raylesberg)

....QSL's received recently: R. Mogadiscio (7120) card in 4 weeks; D. Welle-Kigali, (17805) card in 4 weeks, R. Tirana (7265) card in 7 weeks. (Primm)

....New QSL's this month are: ICRC, Geneva (7210), card in 25 days; Omdurmen (4994) form letter in 1 month; HRVC (4820), picture postcard in 11 days; PRC5, R. Clube do Para (4865) in 3 weeks and YVPR, R. Tovar (3365), card in 3 weeks. (Sparks)

....Only one QSL to report his month: R. Japan, card in three months. (Nelson)

....Got QSL card from ABC, Port Moresby, N.G. for report sent 12/65. (Pestor)

....QSL's this month include: R. Nigeria (9690) in 25 days; R. Malaysia, Kuala Lumpur (7300) in 1½ months; CJCX (6010) in 2 months; D. Welle-Kigali (11905) in 50 days; VOA-Rhodes (6015) in 20 days. All cards except Malaysia which was letter. (Douglas)

....QSL's from here, all cards: R. Iraq (6095) in 91 days; R. Budapest (9833) in 37 days; R. Sofia (6070) in 41 days; R. Tirana (7265) in 44 days; R. Prague (5930) in 37 days & RBI, East Germany (5970) in 22 days. (Coulouras)

....QSL's received: Garoua, Cameroon. Sked on card says st. is on the air Mon.-Sun. on 5010 from 1700-2200 with educational & nx programs....R. Algiers card w/picture of Algiers w/freq., time, etc. in French....R. Baghdad, card with sked....on 6030 & 6095, French 2210-2300, Eng. 2030-2120, German 2120-2210. (Fleury)

....QSL report: Libreville, Gabon, card for rpt of 5/25/65 at 0500. Rpt was for Franceville on 6030....RTF, Dzaoudzi (3331) card in 3 weeks....RTF, Fr. Somaliland (4780) card in 4 weeks....Ashkhabad, Turkmen SSR (4825) card in 5 weeks via R. Moscow

...Ulan Bator, Mongolia (11850) letter in 5 weeks. (Peters)

....Six QSL's rec'd in past month: R. Algeria, card after 45 days; R. Denmark, card in 3 months; w/sked; RBI, card & sked after 22 days, R. Clube de Mozambique, card in 11 days; DW-Kigali, card with special stamp after 1 month; R. Tahiti, Fr. card in 7 days; Also received large color calendar from Radio Peking. (Hosmer)

....These QSL's in Feb.: AAE-Ft. Bragg, letter in 2 weeks; Arabian T&T (11417) letter in 4½ weeks; Rdf. Nacional de Colombia (4955) letter & pennant in 11 days; Voice of Nigeria (9690) card in 16 days. (Zeller)

....I received QSL cards from TWR-Bonaire in two months; R. Prague (7145) in two months. Also received FB card from R. Australia (17840) after 8 months. How come R. Australia is slower for one DXer than for others whose QSL cards came in only 1½ months later? (Peggy Stobb) -30-

RADIO NEDERLAND TRANSISTOR COURSE....."The Radio Servicing Course" broadcast by R. Nederland a year or two ago is still recalled by many DXers who write to us asking for a similar series. We have therefore decided to follow-up with a Transistor Course, which will cover such subjects as the basic principles of the semi-conductor, the crystal diode, transistor constructions and characteristics, stabilization and stabilizer circuits and the various stages in basic transistor circuits. Printed texts and diagrams will be supplied free of charge and will form a valuable work of reference at the end of the course. The series will commence on April 1st and will be broadcast on Thursdays in our program "DX Juke Box". Full details will be sent to participants. Enrollments should be addressed to: DX Juke Box, c/o Radio Nederland, P.O. Box 222, Hilversum, Holland. The Transistor Course will be on the air during the seven 50-minute English-language short wave transmissions. We are sure that many of your members will be interested in this new course" (Harry van Gelder, English Section, Radio Nederland Wereldroep, Hilversum, The Netherlands)

Rare View of VR6AC, Pitcairn....Included in a recent CBS-TV special on the travels of the sailing ship "Brigantine Yankee" were some interesting shots of amateur st. VR6AC, Pitcairn Island. The st. is the island's only radio contact with the outside world & is powered by a windmill-run electric generator. (Ed.)

- 2200 11855 WRUL, New York City on this freq. 2200-0000 in English & 0000-0100 in Spanish, not 11845 as their sked says. (Rowell) // 15440. (Lindgren)  
 11748 R. Pyongyang, North Korea hrd in Chinese, 2200-2300. (Rowell)  
 9710 RAI, Rome hrd strong at 2230 s/on in Italian on this freq. Not heard lately on 9540, 9575 & 9630 outlets. (Rowell)  
 5920 R. Vilnius, Lithuania hrd w/Eng. program 2230 on Friday & Sunday, // 7360 & 7185. All good strength but CW QRM on 7185. (Henderson)  
 15130 WIBS, Grenada hrd w/nx & mx 2215-2235. (Boik) Now using 15105. (Ed.)  
 5985A La Voix de la Revolution Duvalieriste, Port-au-Prince, Haiti noted irregularly back on this frequency. (Jaar)  
 15230 KGEI, San Francisco barely hrd 2245 under Havana w/"Back to the Bible". (Stevens)  
 4980 R. Ghana hrd w/mx, 2200-2230, then Eng. nx. (MacArthur) Hrd // 4915 at 2230 with English. (Zeller)  
 6015 R. Abidjan, Ivory Coast hrd 2210 in French. (Leuchtefeld) (Hosmer)  
 15330 R. Australia, Indonesian Svc. hrd at 2245. (Leuchtefeld)  
 9720 R. Senegal heard with English program at 2245. (Leuchtefeld)  
 11885A XEHH, Mexico City hrd 2235 with Mexican music. (Headen)  
 9590 R. Cairo, Egypt hrd 2215 in English w/mx to N.America. (McElhatton) 9790 outlet hrd 2255--2330 in English. (Maxim)  
 7265 R. Tirana., Albania heard at 2200 with English s/on. (Gerran)  
 9650 R. Conakry, Guinea hrd 2230 w/French ID & mx. VOA QRM. (Hosmer) Hrd 2215 w/English speech by Kwame Nkrumah. (Widner)  
 9595 JOZ3, Tokyo, Japan hrd w/ID & prog. in Japanese. R. Nederland QRM. (Hosmer)  
 15370 R. Tupi, Rio de Janeiro, Brazil hrd 2225 in Portuguese. (Lindgren)  
 5047 R. Togo, Lome hrd 2240 w/African music. (Widner)
- 2300 14520 R. Pyongyang, N. Korea hrd 2300-2345 with s/on, anthem & Spanish xmsn to S.America. (Henderson) // 11750 (Field) 11748 (Balbi) 14520 (Parker)  
 5075 R. Sutatenza, Bogota, Colombia hrd at 2350, // 5095 w/very strong sigs on both freq.'s. All Spanish music & news. (Henderson)  
 5017 Emissora Provincial, Port. Guinea logged 2330-0000 w/accordien mx to 2348 newscast. S/off 0000 with "A Portuguesa". (Henderson)  
 11805 R. Globo, Rio, Brazil hrd in Portuguese. (Raylesberg) (Headen)  
 9625 CBC, Montreal hrd w/Eng. to USA, Caribbean, L.America, 2300-2330, // 15190 & 11725. (Beaupre)  
 15115 HCTB, Ecuador hrd 2330 reading reception rpts & religious talk. (Beaupre) // 17890. (Maxim)  
 9675 R. Diario da Manhã, Florianopolis, Brazil noted 2345 w/mx, ID, & freq. (Field) SCDXers says is being hrd on 9672. (Ed.)  
 9665 R. Nacional, Brasilia, Brazil hrd 2345 with music. (Field)  
 6095 Rdf. Sao Paulo, Brazil hrd 2300-2330 w/nx & musical program. (Field)  
 6155 R. Carve, Uruguay logged 2300-0315 w/sports broadcast & musical prog. after 0300. (Field)  
 11780 R. Belgrano, Argentina logged 2300-0015 w/nx & mx. On 3/1, RAE hrd using this freq. for English xmsn, 2300-0000. (Field)  
 6160 CKEN, St. John's, Newfoundland, Canada hrd 2300-0000 w/nx, interview, network hookup. (Field) WRTH says call is CKNX. Which is correct? (Ed.)  
 15170 TWR, Bonaire heard 2330 in German. (Balbi)  
 9595 R. Cairo, Egypt heard 2330 with Arabic transmission. (Balbi)  
 11850 R. Teleco, Asuncion, Paraguay hrd 2345 in Sp. w/variety of mx. (Rowell) According to SCDXers, this is apparently the only Paraguayan presently operating on SW. Anyone know if this is fact? (Ed.)  
 11922 R. Bandeirantes, Brazil here on 3/8 in Portuguese. (Rowell)  
 4795 R. Commercial/A Angola hrd w/US pop mx. Announcements in Eng., French & Portuguese. S/off is 0000. (Peter) \* (Dexter)  
 5017 Bissau, Port. Guinea excellent 2340 w/mx, nx 2345, mx 2350-0000 s/off.\*

- 2300 7360 R. Vilnius, Lithuania hrd w/Eng. xmsn, asking for letters at 2300 close, then into R. Moscow NA Svc. Fair but considerable QRM. (Dexter) Sundays & Fridays only. (Ed.)
- 7335 R. Peking hrd in oriental language under CHU at 2305. (Jaar) (Luyster)
- 15230 KGEI, San Francisco hrd 2330 beginning Spanish prog. (MacArthur) Hrd at 2335 with news in English & Spanish. (Widner)
- 9680 R. Liberty, West Germany hrd w/IS, then xmsn in unid. language. Also hrd on 9615 at 2305. (Headen)
- 15115 HCJB, Ecuador hrd w/English at 2330. (Headen) Sked says freq. is 15110 this time. (Ed.)
- 6000 R. Americas, clandestine, hrd w/usual Sp. programming & heavy jamming at 2350. (Headen)
- 5015 WIBS, Grenada, Windward Islands hrd w/local nx, 2345-0000. (Fansler)
- 7310 R. Moscow, USSR hrd 2300-2330 w/nx, commentary & music. (Patton)
- 5965 YNWA, R. Mundial, Managua, Nicaragua hrd fair but QRMed. Live stage show at 2321-2351 in Spanish. (Callarman)
- 6015 R. Abidjen, Ivory Coast suprisingly strong w/mx to 2355, nx by YL in French to 2359A, then s/off for Chaine Internationale. (Callarman)
- 9720 R. Senegal noted w/non-stop mx, ~~2355~~-2355, brief nx in French 2355 by YL, then s/off at 0000. Very good. (Callarman)
- 7265A VOA, Monrovia hrd 2345 w/Eng. s/off. (Widner) Probably 7270. (Ed.)

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CORRECTIONS to items in March 1966 SW Center de member August Balbi:

- 0000 VOA, Okinawa on 15150, not 15130 kcs.
- 0000 R. Singapore on 11940, not 11850 kcs. No BBC as mentioned.
- 0100 R. Cairo on 9595, not 9475 with English at 0130.
- 0200 R. Japan Gen. Svc. on 15105, not 15135, later uses for ECNA xmsn.
- 0300 R. Nederland, Bonaire xmits to N. America, 0150 Eng., 0230 Dutch.
- 0400 ELWA, Liberia on 11950, not 11945. S/on at 0530.
- 0500 TransWorld Radio on 11955, not 11900 at 0530.
- 0800 VTVN, Vietnam on 6165, not 6020.
- 1400 Saigon, S. Vietnam on 9755, not 9870. Has English 1230-1300.

This Month's SW Center Reporters:

Sam Rowell, Washington	Danny Douglas, Texas	Joel Glass, New York
August Balbi, California	Gary Fredricks, Oregon	Benelux DX Club
Frank Peters, Illinois	Charles Gerran, New York	Newark News R. Club
Victor Jaar, Haiti	Peter DeHart, Pennsylvania	
Gerry Dexter, Wisconsin	Mike McElhatton, Penna.	.....
John Callarman, Texas	Jerry Hartweg, Michigan	
William Sparks, California	Richard Jenneman, Wisc.	That's it for now!
Dan Henderson, Maryland	Roger Parker, Illinois	
Fred Adams, Indiana	Charles Johnson, Virginia	T
Ambrose Maxim, Maine	John Wedel, Texas	H
James Staley, N.Carolina	John Patton, Pennsylvania	* A *
Pat Fitzpatrick, Missouri	Ray Fansler, Illinois	N
Mel Flanagan Jr., Virginia	Jerry Headen, N.Carolina	K
Clarence Wahl, Kansas	Mike Leuchtefeld, Ill.	S
Michael Lee, New York	Steve MacArthur, New York	!
Alan Raylesberg, New York	William Stevens, Penna.	
Marlin Field, Michigan	Ray Boik, Michigan	
Mark Hosmer, Indiana	Jerry Green, Virginia	for reporting and
Dan Wilt, Ohio	Joe Fala Jr., New Jersey	lets hear from even
George Zeller, Ohio	Adelard Becupre, Conn.	more of you next
Jack Widner, Indiana	SQDXers, Sweden	month!
John Lindgren, California	World Radio Bulletin	

*Handwritten signature*

LOGGINGS -  - REPORTS

All GMT

All GMT

- 0000 7250 Vatican Radio hrd in Spanish //5985, latter best of two. (Jaar)  
 11748 R. Pyongyang, N.Korea hrd in Korean 0000-0045, //14520. (Rowell)  
 4955 R. Nacional-TV, Bogota hrd irregularly at 0000-0430 in Sp. w/much classical mx, sometimes Eng. lessons at 0015-0030. Also hrd on a Sun. on 4945. (Rowell) Hrd on 4955 & 4960. (Field) Bad case of drifts. (Ed.)  
 11860A R. Peking hrd 0051 w/letters from listeners prog. (Gerran) On 11820 at 0015 w/Eng. commentary. (Parker) (Wahl) (Zeller) (Widner) 11650 (DeHart)  
 7345 R. Prague heard w/letters from listeners in Eng. at 0050. (Gerran)  
 4865 R. Clube do Para, Brazil hrd 0030 w/live sports broadcast. (Field)  
 4855 R. Neiva, Colombia hrd 0000-0030 w/nx & live broadcast. (Field)  
 6075 R. Sutatenza, Colombia in "Accion Cultural Popular" network //5075 & 5095 hrd 0030-0130 w/ID & bells at 0030, nx at 0100. (Field)  
 4805 Rdf. de Amazonas, Manaus, Brazil hrd 0000-0300 with music. (Field)  
 5030 R. Continente, Caracas, Venezuela hrd 0000-0230 with music. (Field)  
 7280 R. Kiev, USSR hrd w/Eng. xmsn to N.America 0030-0100, //9680, 7330, 7310, 7140, & 7120. (Field) 7330 (Zeller) Mon. & Thurs. only. (Zeller)  
 11830 BBC, Singapore hrd w/English commentary, 0030-0045. (Fansler)  
 9690 LRA32, Argentina hrd w/Eng. nx to 0010, talk & mx to 0030. (Fansler) (Parker) Also can be hrd 0300 & 0600 to N.America. (Balbi) Hrd with Spanish at 0010. (Widner).  
 6210 R. Reloj, Costa Rica hrd 0030 in Spanish w/numerous ID's. (Fleury)  
 15135 R. Japan hrd w/Eng. nx & variety 0000-0100. (DeHart) (Pestor) Includes DX program on Fridays. (Pestor)  
 6070 R. Sofia, Bulgaria hrd 0000-0030 w/nx & prog. of rock & roll mx. First time I've ever hrd Communist st. broadcast R&R mx. (Wilt) (Widner) Seems to be ever increasing amount on Communist outlets. Probably is mainly another gimmick to attract younger listeners. Shades of US BCB! (Ed.) Hrd 0015 w/Bulgarian music. (Gerran)  
 9572 R. Portales, Chile noted 0050 in Spanish. (Rowell)  
 9755 VTVN, Saigon, S. Vietnam hrd here 1/26 at 0005 in Vietnamese. (Rowell)  
 11760 R. Hanoi, N. Vietnam hrd in unid. language to 0200 on Sunday. (Balbi)  
 9750 OAXBW, R. Sideral, Pucallpa, Peru hrd 0035 w/mx & ads. Uses tune "Shangri-la" as background mx for ID's. (Dexter)  
 6860A BBC, London hrd w/SSB test with news. (Headen) Regular xmsn on 6110 w/s-on to S.Atlantic //9580, 0000-0030, then World Svc. (Jenneman) 3952.5 outlet hrd 0030 w/"London Letter". Strong ARO QRM. (Pestor)  
 3280 WIBS, Grenada hrd w/BBC commentary 0020, Eng. ID at 0030, then "Your Radio Doctor". (Douglas)  
 5875 La Voz de Honduras, Tegucigalpa hrd 0005 w/many ads, ID & nx in Spanish. Good signal but CW QRM. (Parsons)  
 10530 R. Alma Ata, USSR hrd w/nx in unid. language. Faded by 0045. (Primm)  
 9755 ORTF, Paris hrd w/French nx & mx to L.America. (Goulet) This xmsn would effectively block VTVN in ECNA. (Ed.) //11845 hrd till 0012 fade out. 9755 still strong past 0035. (Callarman)  
 9630 RAI, Italy heard with French xmsn. (Goulet)  
 6180 RTB, Bruxelles, Belgium hrd 0035 w/news magazine in French. (Goulet)  
 15130 VOA-Okinawa hrd w/Eng. s/off. Very poor. (DeHart) Sure of this freq.? WRTH lists only 15150. (Ed.)

- 0000 4990 R. Barquisimeto, Venezuela hrd to 0100 w/"Panorama Continental de Mecelano(?)". (Callarman)  
 4910 HIN, Santo Domingo, Dominican Republic hrd after Conakry carrier cuts off. Hrd w/YL announcer & N.American pop tunes to 0030, then show-type program. (Callarman)  
 11715 RNE, Madrid hrd 0009 w/Sp. ID & talks to Latin America. (Douglas)  
 7265 R. Tirana, Albania heard with English transmission. (Widner)
- 0100 5985 Vatican Radio hrd 0100-0110 w/Eng. nx, then bells & into French till 0130. Fair to good. (Benson) //9645 (Luyster) 7250 (Gerran) (Goulet)  
 5990 R. Sweden hrd opening w/IS at 0055, into Swedish to past 0130. All talk. No Eng. hrd in 4 days of monitoring for ANARC. (Benson) Eng. nx hrd at 0155. (Douglas).  
 5970 RFI, East Germany noted w/Eng. nx, followed by usual programming. Very strong, overriding 2 stations on freq. (Benson) (Fansler) (Goulet) (Hosmer) (Zeller) & (Nelson).  
 6025 R. Portugal hrd in lingo 0100 to past 0200. Much mx, time pips & ID in 3 languages on the hour. Strong carrier present on 6020. (Benson) (Wahl)  
 6010 RAI, Italy opening w/"birdie" IS at 0140, Italian at 0145. QRM'd out by 0200. Relogged 0305 opening in Spanish after news. (Benson)  
 9520 R. Liberty heard in Ukrainian, jammed as usual. (Drew)  
 21570 VOA-Philippines hrd in unid. language, possibly Burmese. (Drew)  
 4875 La Voz de Esmeraldas, Ecuador hrd nightly now w/musical programs after 0100. (Field)  
 2390 XEJMOP, R. Guadalajara, Mexico hrd weakly in Sp. w/talk by OM & several ID's 0130-0145. (Fansler) Have no record of this station. WRTH'66 lists Educ. Univ. Iberoamericana this freq. with 0.5 kw. (Ed.)  
 11875 ZYN32, Salvador, Brazil hrd w/ID 0100, mx & ads to 0115. (Fansler)  
 6135 R. Havana Cuba hrd 0158 in English. (Widner)  
 9520 R. Denmark hrd w/Eng. s/on, mx at 0130, DX prog. on Tuesdays. (Pestor)  
 9590 R. Nederland, Bonsire hrd w/English s/on to North America. (Widner)  
 6234 R. Budapest hrd w/Eng. to N. America at 0130, (Wahl) (Widner)  
 6130 RNE, Madrid hrd w/Eng. xmsn. (Wilt) Hrd on 9760. (Rowell) //6130 from old 9615. (Balbi)  
 17600 R. Peking hrd w/English to E. North America //11945 & 9480, w/fair signals. (Balbi) 12010 hrd at 0125 in Chinese. (Goulet) 9480 hrd. (Nelson) (Gerran) Also once hrd on 11840. (DeHart)  
 4940 YVMS, R. Universo, Barquisimeto, Venezuela hrd w/mx & talk 0150. (Dexter)  
 6150 R. Bucharest, Rumania hrd w/Eng. to N. America at 0130 //6190. (Coulouras) Sked also lists //5990, 9510, 9590, & 11810, 0130-0230. (Ed.)  
 11805A R. Globo, Rio, Brazil hrd w/Portuguese music and ads. (Primm)  
 9535 SBC, Switzerland hrd w/nx, commentary, "Swiss Gazette" in Eng. at 0115. (Goulet) (Widner)  
 6082 R. Nacional del Peru, Lima hrd w/Spanish mx. Many clear ID's. (Fleury) Heard on 6090A. (Widner)  
 5021 R. Independance, Gonaives, Haiti tuned w/Spanish songs at 0130. All announcements in French. (Peters)  
 9465 R. Cairo, Egypt hrd 0145 w/English xmsn. (Gerran) They have outlet on 9475, but can find no record of English being on at this time. (Ed.)  
 6000 R. Americas, clandestine, hrd in Spanish, //1165A on MW. (Zeller)  
 5930 R. Prague, Czechoslovakia w/"Sunday Magazine". (Zeller) //7345. (Widner) & (Callarman).  
 4995 ZYY2, R. Brasil Central, Goiana hrd w/typical Brazilian mx & soft-voiced announcer. QRM de YVMP & WWV. (Callarman)  
 3400A ORTF, St. Denis, Reunion Island heard w/French. Fair signal. (Widner) Listed frequency is 3380 kcs. (Ed.)  
 9640 Deutsche Welle, Koln, W. Germany hrd in Eng. w/fair signals. (Widner)

0200 15135 R. Japan hrd w/English xmsn to North America. (Gerran)  
 6160 R. Berlin Int. w/Eng. xmsn for N. America at 0230. (Gerran) (DeHart)  
 6185 R. Portugal w/Eng. commentary //6025. (Gerran) 6025 (Widner) Heard  
 on 5985 to Canada w/French 0230, Eng. 0300. Announces 5975. (Balbi)  
 4730A R. El Progreso, Loja, Ecuador hrd w/musical program 0200-0530. (Field)  
 SCDXers reported them on 4735 in January. (Ed.)  
 9590 R. Nederland, Bonaire hrd w/"His and Hers" followed by "What's In the  
 Paper". (Parker)  
 6130 RNE, Madrid, Spain hrd w/English xmsn to N. America. (Wahl) (Callarman)  
 11925 WOFK, Seoul, S. Korea hrd 0230-0400. Korean & Eng. at 0300, Spanish  
 at 0330. (Rowell)  
 15230 KGEI, San Francisco to L. America hrd at 0200 s/off. Move from old  
 freq. of 15240. Sked 2230-0200. (Balbi)  
 11800 RNE, Canary Islands noted 0205. Spanish ID at 0213. Guitar mx. QRM  
 de Radio Globo. (Douglas)  
 5970 CBC, Montreal signing off 0230 in Eng. Stated to retune to 11720 or  
 9625 for remainder of xmsn to Northern Canada. (Douglas)  
 3375 R. San Juan, San Juan de la Maguna, Dominican Republic hrd w/Spanish  
 mx and announcements. (Parsons)  
 6050 HCJB, Ecuador hrd 0235 with Spanish news and music. (Goulet)  
 3385 ORTF, Cayenne, French Guiana hrd signing off at 0200 on 1/16 with  
 guitar IS. (Sparks)  
 4950 HRRZ, R. Juticalpa, Honduras hrd 0230-0300 s/off w/pop mx. (Sparks)  
 15385 DZFB, Philippines hrd 0215 with English religious program. (Sparks)  
 9740 VOA-Tangier heard with English s/on and news. (Hosmer)  
 5020 Transmisora Caldas, Manizales, Colombia hrd w/mx & Sp. ads. (Zeller)  
 4955 R. Nacional del Colombia hrd w/band mx & Spanish. Gong IS. (Zeller)  
 4840 YVOI, R. Valera, Valera, Venezuela hrd under severe hetrodyne w/Latin  
 mx, some N.American mx behind announcements. Clear R.Valera slogan  
 heard 3 times. (Callarman)  
 4820 HRVC, R. Evangelica, Tegucigalpa, Honduras hrd w/classical mx to 0245,  
 then religious prog. in Spanish. "Songs in the Night", sponsored by  
 Union Church of Tegucigalpa follows at 0300. (Callarman)  
 6170 R. Havana Cuba beginning Eng. xmsn to N.America w/LA mx. (Pestor)  
 3300 R. Belize, British Honduras hrd 0250 in English. (Widner)  
 6125 United Nations Radio, New York hrd 0255 on 2/4 w/comment. (Widner)  
 6000 R. Americas, clandestine, heard 0243 in Spanish. (Widner)

0300 9590 R. Nederland w/prog. of light mx, comedy etc. in Dutch. Relay to  
 Bonaire or regular program? (Benson) According to sked is Bonaire  
 xmtr relaying to North America. (Ed.)  
 15230 R. Ceylon tuned with English and music. (Drew)  
 4815 La Voz de Manabi, Portoviejo, Ecuador hrd 0300-0400 w/musical prog.  
 (Field) WRTH'66 lists this st. on 4810 with only 0.3 kw. (Ed.)  
 5010 R. Eco, Peru hrd 0300-0500A s/off w/music. (Field) Where is QTH?  
 Can find no record of this station. (Ed.)  
 7195 VOA-Monrovia hrd w/Eng. xmsn to Africa at 0323. (Irace) Hrd on 7195  
 //7280, both excellent at 0350. (Douglas)  
 6170 BBC, London hrd w/very good signals in English at 0340. (Irace)  
 6060 R. Havana Cuba hrd w/English xmsn at 0354. (Irace) 6135 hrd at 0330  
 in French w/Castro's charges against Communist Chinese. (Goulet)  
 7270 SABC, South Africa hrd w/African Svc. in Eng. 0300-0400 s/off. Mx w/  
 many ads. (Fansler) (Douglas) (Widner) 3250, Springbok Radio hrd w/Eng.  
 commercial program. (Sparks)  
 5995 TGNA, Guatemala City hrd w/religious program 0315-0330. S/off is 0400.  
 (Fansler) & (Widner)  
 9520 TWR, Bonaire hrd 2/6 at 0330 with religious program. (Rowell)

- 0300 5050 R. Tanzania, Dar es Salaam hrd 0349, ID at 0359 followed by drums, nx in Swahili at 0400. (Parker)
- 7120 R. Mogadiscio, Somali Rep. hrd 0300-0415. Arabic, Eng. 0315, Somali at 0330. (Rowell)
- 3300 R. Belize, British Honduras hrd in Eng. to 0330 s/off. Seems to be more power. Strong signals regularly. (Balbi)
- 3380 MBC, Blantyre, Malawi hrd at 0348 s/on w/drums, rooster crowing & Eng. ID. Heard irregularly. (Balbi)
- 11825 R. Tahiti hrd with s/on in unid. language. Moved from 11820 due to QRM from R. Peking. (Balbi)
- 15110 ZL21, New Zealand hrd, //ZL4, 15280 w/mx to 0545 s/off. (Balbi)
- 4761 Emisora Mariana, Bogota, Colombia hrd w/classical mx and/or religious programming to 0307 s/off. (Dexter)
- 6000 R. Americas, clandestine, hrd w/mx program at 0330. Strong. (Coulouras)
- 11760 R. Moscow hrd at 0310 with English news and ID. (Douglas)
- 11835 R. Peking noted 0307 with English news. (Douglas)
- 4900 R. Juventud, Barquisimeto, Venezuela hrd 0330 w/good ID and announcements. Affiliated with Radio Caracaras and RC-TV. (Parsons)
- 3346 R. Zambia, Lusaka hrd at 0344 s/on with fish eagle cry. News in native language. (Primm)
- 6234 R. Budapest, Hungary hrd w/English nx & music. (Goulet) (Fleury)
- 3780 R. Iran, Teheran noted often before 0300 to after 0415. Koran chants & talks 0300-0330, nx in Persian given by OM & YL at 0330. Some utility QRM on frequency. (Jaar)
- 6155 CXK12, R. Carve, Montevideo, Uruguay hrd w/Sp. ID, ads, LA mx. (Sparks)
- 3215 R. Mozambique Commercial Svc. in Eng. & Portuguese w/pop mx. (Sparks)
- 5040 R. Maturin, Venezuela hrd w/"Melodias Noches". S/off at 0400. (Peters)
- 4735 HCEH-3, R. El Progreso, Loja, Ecuador logged 0314-0406 w/announcements between every 3rd or 4th record, on apparent request show. ID'd only at 0332 & 0406 during this time period. (Callarman)
- 4765 HC2AK, Rdf. de Ecuador, Guayaquil good at 0301 s/off. Some confusion as to call..live announcer have HC2HK, 1050, then recorded ann. gave HC2AJ on 1050 and HC2AK on 4765. Suspect government-assigned HCAK-2 is actually correct. (Callarman)
- 4923 HCRQ-1, R. Quito, Ecuador noted at good level to 0320 w/mx prog. and answers to reception reports. Promises pennant. At 0320 carried R.Canada Spanish transcription. (Callarman) Heard 0345. (Widner)
- 4935 HJCT, Radiodifusora Nacional, Bogota hrd on this freq. on 1/31 to 0358 $\frac{1}{2}$  s/off. Classical mx to 0352, then gave complete sked for following day. Announcement gave HJCT as call for 60-m., HJCQ for 49-m. freq. (Callarman)
- 3325 R. Monagas, Maturin, Venezuela hrd 0305 in Spanish. Fair sigs. (Widner)
- 0400 4865 La Voz de Guaranda, Ecuador, hrd now this freq. around 0400-0700 s/off. Also announces 1395 kcs. MW. (Jaar)
- 6145 R. Havana Cuba hrd w/Eng. xmsn. QRMed. (Benson) Hrd on 6135 & 6170 at 0400 with two different English xmsns. (Wilt)
- 6070 R. Sofia, Bulgaria hrd w/Spanish 0400-0500 to S.America. (Payne) This xmsn is directed to N. & Central America. (Ed.) Hrd 0400 in Eng. (Parker)
- 6115A R. Centro Populare, Colombia hrd w/Sp. ID. (Field) On 6118A w/Spanish ID and 0400 s/off. (Sparks) Anyone know QTH? Not listed WRTH'66. SCDX makes guess it is at Sejal, nr Venezuelan-Brazilian border. (Ed.)
- 4975 R. Copacabana, Rio, Brazil hrd w/mx & ID at 0449 s/off. (Field)
- 6025 R. Portugal hrd w/strong signals in Eng. at 0424. (Irace) (Widner)
- 6120 SBC, Switzerland hrd 0415 w/Eng. nx & commentary. Heavy QRM from VOA-Greenville on 6125. (Parker)
- 7275 Voice of Nigeric, Lagos hrd 0400-0405 s/off. (Wahl)
- 6235A R. Budapest, Hungary hrd w/English to N. America. (Wahl) (Douglas)

- 0400 5970 R. Berlin Int. hrd 0400 w/nx, s/off at 0415. (Wahl) Hrd 0445 w/2nd English xmsn to W. North America. (Goulet)
- 11825 R. Tahiti hrd back on this freq. 2/4 at 0400-0800 in French. (Rowell)
- 6210 R. Relej, Costa Rica heard in Spanish. (Rowell) (Douglas)
- 6180 La Vox de Guatemala hrd in Spanish 0400-0600 (to 0500 on Sunday). Now 10 kw. (Rowell) Hrd 0405 w/patriotic talk & mx. R. Portugal QRM. (Parsons)
- 3345 R. Zambia, Lusaka hrd at 0405 s/on w/nx in unid. language. Severe QRM. Hrd irregularly. (Balbi) Also hrd 0400 w/nx in vernacular. (Sparks)
- 4810 SABC, South Africa hrd with s/on in Afrikeans //6005 later. Poor sigs. R. South Africa outlet on 4875 hrd in Eng. //6095 same time. (Balbi) 4945 Springbok Radio hrd 0414 w/usual comm. prog. Severe ute QRM. (Callarman) Springbok R. on 9720 hrd at 0450 in English. (Nelson)
- 5965 R. Mundial, Managua, Nicaragua hrd 0420 w/Spanish ID's and news. (Douglas)
- 11945 ELWA, Liberia hrd 0451 w/IS, Eng. s/on, then into unid. language. VOA QRM. (Douglas) Believe correct freq. is 11950 but can find no record of xmsn at this time. (Ed.)
- 4965 R. Santa Fe, Bogota, Colombia hrd 0406-w/Sp. ID, QTH & mx. (Douglas)
- 6090 R. Santo Domingo, Dominican Republic hrd 0440-0503 s/off with Sp. mx, talk, ID and national anthem. (Douglas)
- 5017 R. Bissau, Portuguese Guinea hrd w/Port. ID at 0423, then mx. Hrd almost nightly now. (Douglas) Is this a sked change? Listed s/off is 2300. (Ed.)
- 4725 R. Leopoldville hrd with s/on after drums at 0355. Featured French and vernacular mx, apparently different prog. than 11795 outlet. (Jaar)
- 3380 R. Malawi hrd at 0400 s/on w/drums & rooster crow IS. Weak signal and early fadeout. (Sparks)
- 3396 RBC, Gwelo, Rhodesia hrd w/Eng. nx at 0400, heavy CW QRM. 3306 outlet also heard same time but under heavy hetrodyne. (Sparks)
- 3204 NBC, Ibadan, Nigeria hrd 0345 w/YL giving news in English. (Sparks)
- 7105 VOA-Woofferton, England hrd 0445 w/Eng. ID, then into Czech. (Sparks)
- 5040 R. Tbilisi, Georgian SSR noted w/classical mx mixture. Relayed Radio Moscow at 0500. (Peters)
- 17755 R. Pakistan hrd w/English nx 0430, Arabic at 0445. (Balbi)
- 17855 All India Radio hrd w/English news at 0430. (Balbi)
- 17825 R. Norway hrd 0415 w/program of Norwegian mx, occasional Eng. ann, nx in Norwegian. Asking for reports. (Gerran) Is this new outlet for this time? Sked lists 6185, 7240 & 9610 for 0300-0430 xmsn. (Ed.)
- 4923A R. Quito, Ecuador is indeed on this freq. arnd 0400. (Zeller) In reference to item at 0400 in February "FRENDX".
- 6105 R. Free Europe noted w/fair signal, clear of jamming 0442-0545. ID in Hungarian at 0545. (Callarman)
- 4995A R. Omdurman, Sudan heard w/Arabic and oriental music. (Widner)
- 0500 4843 RTV-Congolaise, Brazzaville hrd w/French pop mx to 0535, then ID and commentaries. (Jaar)
- 3350 R. Ghana noted in Eng. to 0550, then Koran Chants, Eng. nx at 0600. //4915 noted at 0700 also. Seemed to be //4980A at 0630 w/Eng. ID, then into native language. (Jaar)
- 4994 R. Omdurman, Sudan noted at 0540 in Arabic w/nx, followed by mx. Good but QRM from Russian xmtr on 4996. (Jaar)
- 11900A TWR, Bonaire hrd 0500 w/Eng. ID, in Serbo-Croatian till 0515, then ID and into German to 0530. (Anita Benson) Sked freq. is 11955. (Ed.)
- 11940 R. Phnom Penh, Cambodia hrd in Cambodian. French at 0515, English at 0530. (Drew)
- 4830 La Voz del Tachire, San Cristobal, Venezuela hrd at 0506 s/off. (Field)
- 4855 R. Neiva, Colombia heard with Spanish news. (Field)
- 6145 Deutsche Welle, Koln hrd 0515 w/Eng. to N. America. (Field) Hrd 0500-0540. (Wahl)
- 11950 ELWA, Liberia hrd w/Eng. s/on, then religious talk in unid. lang. (Fansler)

0500 11725 R. Brazzaville, Congo Rep. hrd w/ORTF Eng. nx at 0500. (Fansler)  
 5047 R. Togo, Lome hrd at 0530 w/French s/on. (Fredricks) (Rowell)  
 3373 R. Iris, Esmeraldas, Ecuador definitely here with 0500 s/off. (Dexter)  
 9572 CE957, R. Portales, Santiago, Chile hrd w/US pop mx, standards, ID at  
 0527 prior to close was: "Transmitendo Radio Portales en Santiago.  
 Buenos noches America, buenos noches Chile". (Dexter)  
 6080A R. Nacional del Peru, Lima hrd 0509 w/vocal mx. Spanish ID and national  
 anthem at 0528 s/off. (Douglas)  
 6200 R. Reloj, San Jose, Costa Rica hrd 0535 w/mx, Sp. ID and talks. (Douglas)  
 Now on 6210. (Rowell)  
 6115 R. Union, Lima, Peru definitely here. Sp. ID hrd 0556, s/off at 0559.  
 (Rowell) Hrd 0505-0600 s/off w/"Panorama del Sabado" featuring modern  
 N. American and Spanish music. (Parsons)  
 6180 La Voz de Guatemala hrd to 0605 s/off on 2/11 w/singing of national  
 anthem in Sp. This outlet is now 10 kw, upped from 1 kw. (Rowell)  
 4870 R. Cotonou, Dahomey hrd w/French ID, IS & then xmsn in native language.  
 Excellent signal in clear. (Parsons) Noted w/drumming 0510, s/on after  
 trumpet fanfare 0514 on 2/7. Very weak. (Callarman)  
 6155 Austrian Radio noted w/usual multi-lingual ID's, instr. mx at 0540. (Jaar)  
 5055 YVKD, R. Cultura, Caracas, Venezuela hrd w/Sp. ID & nx. (Sparks)  
 5980 OBX4M, R. Panamericana, Lima, Peru hrd w/LA mx & Spanish ID. (Sparks)  
 4885 HOWEL, R. Nac. Espejo, Quito, Ecuador now on this freq. instead of old  
 4880. S/off at 0515. (Sparks)  
 4795 R. Comercial de Angola hrd 0530 with pop music. (Sparks)  
 4820 R. Angola, Luanã, // 6025 has new 0500 s/on time. (Sparks)  
 4777 RTG, Libreville, Gabon hrd w/s-on, ID and pop music. (Sparks)  
 5042 R. Clube de Benguela, Angola hrd at 0545 s/on with IS, anthem, ID, then  
 pop music. News in Portuguese at 0600. (Peters)  
 7155 R. Amman, Jordan hrd 0526 w/ID's, music and talk in unid. language.  
 (Douglas) Sked says Arabic at this time. (Ed.)  
 6020 R. Nederland hrd w/IS 0555, then 0600 s/on to New Zealand in Dutch.  
 (Douglas)

0600 4990 R. Nigeria, Lagos noted strong at 0610 w/Eng. nx till after 0700 in  
 National Program. (Jaar) (Douglas)  
 9760 R. Ghana hrd w/Sat. weekly review at 0615, then US pop mx. Battling  
 with AFRTS on same freq. (Benson) 4915 outlet hrd 0630 in African  
 language. (Rowell) (Douglas)  
 9665 R. Havana Cuba hrd w/s-on 0630, ID in 3 lingos, then Spanish, (Benson)  
6015 outlet hrd 0630 with IS and Spanish ID. (Douglas)  
 7265 R. Tirane, Albania hrd w/Eng. xmsn, 0630-0700. (Dexter)  
 3230 VRHS, Suva, Fiji now heard as early as 0650 in English. (Rowell)  
 15300 R. Japan heard with General Service in English. (Drew)  
 6025 CR6RZ, Luanda, Angola hrd w/IS & s/on in unid. language. Short talk &  
 music to 0630 tune-out. (Fansler) (Douglas)  
 4910 R. Conakry hrd 0630 in unid. African language. (Rowell) Hrd at 0600 s/on  
 on 4910 // 6155 in French. (Sparks)  
 9560 R. Australia hrd with s/on. Moved here from 9570 on 2/9. Hrd // 11710.  
 English news at 0700. (Balbi)  
 11780 ZL3, New Zealand hrd at 0617 new s/on time. // 9540 later. BBC news at  
 0620. Moscow QRM. (Balbi)  
 5047 R. Togo, Lome hrd w/French ID & talks, native mx, Fr. ID, mx at 0630/  
 (Douglas)  
 4870 R. Dahomey, Cotonou hrd 0617 w/French nx and native mx. ID 0630. (Douglas)  
 4965 R. Santa Fe, Bogota noted 0633 with Spanish ID and music. (Douglas)  
 5960 R. Senegal hrd in French with very distorted signal. (Rowell) Hrd on  
4894 w/chant. ID at 0622, then African music. (Douglas)

0600 4815 Tentative logging of Upper Volta here at 0630 in French. (Fleury)  
 6245 R. Sofia, Bulgaria hrd w/pop mx, followed by ID in unid. European language. S/off at 0630. (Jaer)  
 4940 R. Kiev, Ukrainian SSR noted in Russian w/good strength. (Jaer)  
 6235 OAXSU, R. Universidad, Arequipa, Peru hrd w/LA mx & freq. ID's. (Sparks)  
 6090 R. Kaduna, E. Nigeria noted 0630 w/African mx and Eng. ads. (Sparks)  
 English news and ID hrd at 0700. (Douglas)  
 4822A R. Bamako, Malin hrd in unid. language at 0636 w/ID, nx, chime IS. (Douglas)

0700 15120 R. Warsaw hrd daily now w/good strength in Polish. Nx to 0710, then ID. // 11840 & 9675. (Jaer) This is Australasian xmsn. (Ed.)  
 4890 R. Senegal, Dakar noted in vernaculars, // 764 MW. Senegal Inter, 5975 noted strong 0715 in French. All 3 freq.'s hrd to 0800 close. (Jaer)  
 Hrd on 4950 w/Fr. nx, // 5960. Also 4890 hrd w/French nx. (Balbi)  
 11950 ELWA, Liberia hrd w/Eng. at 0730, Hausa at 0745. (Drew)  
 3995 VQ64, Solomon Islands hrd at 0725 s/on in Eng. Hrd until 1130 s/off on weekdays. (Fredricks) (Balbi) New 8-element antenna best. (Balbi)  
 6135 R. Tahiti hrd 0730-0800 s/off w/ID & French national anthem. (Parker)  
 Also heard at 0700. (Hosmer)  
 9540 R. New Zealand hrd 0730-0845 in Eng. // 11780. (Rowell) 9540 (Coulouras) (Nelson) & (Widner)  
 6065 R. Sweden Home Service heard irregularly in Swedish. (Balbi)  
 7260 TWR, Monte Carlo hrd 0730 w/Eng. xmsn. (Coulouras) Hrd 0720-0730 s/off. (Hosmer) Whose right on this? (Ed.)  
 3331 RTF, Dzaoudzi, Comores Islands hrd one Sunday w/pop orchestral music. CHU barely audible that day. (Peters)  
 9590 R. Australia hrd w/English to Pacific Islands at 0705. (Widner)  
 9545 R. Ghana heard with English at 0730. Fair. (Widner)  
 6090 VLI6, Sydney, Australia heard in English at 0750. (Widner)

0800 9560 R. Australia now on this freq. from old 9570 to Br. Isles & Europe at 0815-0815, // 11710. (Rowell) (Gerran) 7190 outlet hrd 0815 w/xmsn for Mid-Pacific Islands. (Gerran)  
 7575 R. Pyongyang, N. Korea hrd w/Eng. 0800-0845 s/off. (Balbi) (Payne)  
 Also has English here at 1100-1200 and 1400-1500. (Balbi)  
 7260 TWR, Monte Carlo strong at 0805-0845 s/off in English. (Jaer)  
 11715 All-India Radio heard with English sign-on. (Drew)  
 11815 R. Free Europe noted with Hungarian xmsn and on 11885 w/Polish at 0845. (Drew)  
 11720A R. Iran, Teheran heard in Persian. (Drew)  
 4875 R. Jornal do Brasil noted 0830-0845 with music. (Field)  
 6095 Rdf., Sao Paulo, Brazil noted 0855-0900 with music. (Field)  
 3910 FEN, Tokyo hrd w/"Weekend Report". (Fredricks) Heard 0815. (Rowell)  
 4910 R. Conakry, Guinea hrd with French s/off at 0830. (Fredricks)  
 3355 R. Noumea, New Caledonia noted 0835 in French. (Rowell)  
 3995 VQ64, Solomon Islands heard 0840 in Pidgin English. (Rowell)  
 9640 VOFK, Seoul, Korea hrd w/Chinese 0800, Eng. at 0830, Japanese 0900-1000. (Rowell)  
 3230 VRHS, Fiji Islands noted w/English nx. Hrd irregularly. Much QRM. (Balbi)  
 9630 R. Nederland heard in Dutch at 0830, // 9715. Heard irregularly. (Balbi)  
 6115 R. Tupi, Rio, Brazil noted 0833 with Portuguese ID, talks, mx and list of stations in network. (Douglas)  
 6020 VTFN, South Vietnam hrd 0837 in unid. language, mx on string instrument between talk. ID at 0900, then more eastern mx. (Douglas) Sure of this ID? Have no record here of VTFN on this frequency. (Ed.)  
 6050 HCJB, Ecuador hrd 0815 w/Eng. religious prog. (Gerran) Sked 0700-1000 to South Pacific, // 9745 and 11810. (Ed.)

- 0900 3925 VLK3, Port Moresby, New Guinea hrd well around 0900. (Jaar)  
 4890 VLT4, Port Moresby also heard well around this time. (Jaar)  
 4865 R. Clube de Belem, Para, Brazil hrd strong at 0920. (Jaar)  
 4996 Russian station believed to be Magadan heard daily arnd 0900 to after  
 1230 w/good strength. Also hrd before 0600. All Russian programming. (Jaar,  
 3385 RTF, Cayenne, French Guiana hrd at 0915 s/on w/"La Marseilles". then  
 into French to 1015A when fades or s/off. Seems France has increased  
 power this xmtr and RTF, Martinique. (Rowell)  
 11910 Kol Israel hrd w/Eng. xmsn. Sundays only? (Drew) Yes, according to  
 WRTH'66, sked 0900-1100 in Eng. & French, //9009. (Ed.)  
 9685 R. Havana Cuba heard with Spanish transmission. (Drew)  
 6090 ABC, Sidney, Australia logged w/news 0900-0930, mx 0930-0945. (Field)  
 4920 VLM4, Brisbane, Australia heard with English news. (Fredricks)  
 7140 R. Ambon, Indonesia (nr. New Guinea) hrd in Indonesian. (Rowell)  
 5015 R. Vladivostok, USSR hrd daily in Russian, strong 0900-1230. (Jaar)  
 3380 Dar es Salaam, Tanzania hrd here 0919 with French and African ID's,  
 talk, mx & ads. ID given as "Dar es Salaam Radio-Television". (Douglas)  
 New outlet for R. Tanzania or new station? Can find no record of this  
 freq. of mention of French xmsns in R. Tanzania sked. (Ed.)
- 1000 6130 CHNX, Halifax, Nova Scotia hrd in Eng. with ads & mx at 1035. (Jaar)  
 6140 Perth, Australia noted clear here at 1040. (Jaar)  
 9655 Voice of Free China, Taiwan hrd w/Eng. xmsn. (Drew) Hrd on 7125 and  
 9635 at 1010 with English news. (Fredricks)  
 15400 R. Baghdad heard with Arabic xmsn. (Drew) New Outlet? Have no listing  
 of Iraq on this frequency. (Ed.)  
 21530 RTB, Bruzelles, Belgium hrd w/s-on in Dutch and French. (Drew)  
 21720 R. Free Europe hrd in Polish and on 21745 in Czech. (Drew)  
 11940 R. Singapore hrd 1030 in Eng. w/program on Chinese post. (Fredricks)  
 9510 BBC, London heard in English at 1015. (Couloures)  
 3305 La Voz de la Patria, Caracas, Venezuela noted 1025-1100 tune-out with  
 Spanish ID's, QTH and music. (Douglas)  
 6195 R. Haiti, Port-au-Prince is now on this freq. //1325 MW, daily at  
 1030-0400. (Jaar)  
 11835 R. 4VEH, Haiti hrd 1030 w/IS. ID's in Eng., Spanish and German. Eng.  
 hrd at 1130. (Pestor)  
 3390 R. Zaracay, Santo Domingo de los Colorados, Ecuador hrd w/Spanish ID's,  
 talk and music. Bad RPTY QRM. (Douglas)
- 1100 6100 Voice of Malaysia, Kuala Lumpur hrd arnd 1110 but //6175 is still best  
 here. All announces //11900. (Jaar) 11900 hrd at 1115 s/on in English.  
 (Fredricks) 6175 hrd. (Farker)  
 7175 VOA, Porg, Philippines heard with s/on in Vietnamese. (Hosmer)  
 4950 R. Malaysia, Sarawak hrd 1106 w/Eng. ID & nx. Religious prog. 1115. (Douglas)  
 21670 VOA-Monrovia heard with Indonesian transmission. (Drew)  
 15355 R. Free Europe hrd w/Hungarian xmsn. Also on 15215 in Polish. Jammed.  
 (Drew)  
 15115 Vatican Radio hrd w/Eng. xmsn to Australia and New Zealand. (Drew)  
 15190 R. Brazzaville heard with sign-on at 1100. (Drew)  
 5030 La Voz del Papagayo, La Romana, Dominican Republic hrd 1155-1230 with  
 "Radio Noticias" & chimes frequently. Severe QRM de R. Continents,  
 Venezuela. (Field)  
 4880 R. Comercial, Santo Domingo, Dominican Republic hrd 1100-1130 w/nx. (Field,  
 4945A R. Tegucigalpa, Honduras hrd 1155-1225 (also 0235-0300) w/musical prog-  
 rams. (Field) Sure this isn't R. Juticalpa listed for 4950. Can find  
 no record of a "R. Tegucigalpa". The two names sound similar. (Ed.)  
 3925 VLK3, Fort Moresby, New Guinea hrd in Eng. w/good signals. (Fredricks)

- 1100 5875 HRN, Tegucigalpa, Honduras hrd 1115 w/LA mx, frequent ID's. (Parker)  
 4875 La Voz de Esmeraldas, Ecuador hrd 1135 w/Sp. ID & mx, little boy  
 giving time check every 15 minutes. (Douglas)  
 4760 Emisora Mariana, Pasto, Colombia hrd w/religious programs, ID at 1145,  
 announcing MW freq. of 1250 kcs, then pop music. (Jaar)
- 1200 15165 R. Denmark noted 1200 with s/on & Danish xmsn under severe QRM. Eng.  
 to N. America at 1230 also QRMed. (Jaar) (Widner)  
 17805 R. Free Europe hrd with Polish xmsn. Not jammed! (Drew)  
 15255 R. Berlin Int. S.E. Asia Service in Eng. hrd, // 15240. (Drew)  
 9600 R. Tashkent, Uzbek SSR hrd w/Eng. nx and commentary to 1230. (Hosmer)  
 (Fansler) Much improved sigs. (Fredricks) (Coulouras) // 11925. (Coulouras)  
 11865 SBC, Switzerland hrd with mx program, 1230-1245 in English. (Fansler)  
 7120 Tentative logging of Rangoon, Burma. Hrd to 1220 w/music. (Fansler)  
 9755 VTVN, Saigon, S. Vietnam hrd 1230 w/Eng, nx, weather report (93.4 F.  
 maximum in Saigon), nx commentary, Vietnamese mx 1245-1300. Beautiful  
 S-7 signals put Hanoi to shame. Power increase? (Fredricks)  
 15185 R. Finland hrd 1245 with musical request program. (Coulouras)  
 5970 CBC, Montreal hrd 1230-1240 w/"R. Canada SW Club". (Saturdays) Program  
 good but too short. (Coulouras) Agreed. (Ed.)  
 4750 Makassar, Indonesia hrd daily in Indonesian around 1200. Generally  
 good signals. (Jaar)  
 9510 BEE, London European Svc. hrd with Hungarian xmsn at 1215. (Pestor)  
 5015 R. Vladivostok, USSR hrd 1203 w/Russian nx and classical mx. (Douglas)
- 1300 15410 BBC, London hrd w/Eng. news. (Drew) Also hrd on 17790 // 17880 at 1315  
 with "The World Today". (Pestor)  
 11760 R. Hanoi, N. Vietnam hrd w/Eng. to US personnel in S. Vietnam. Nx and  
 commentary to 1315, mx to 1330. (Fansler) (Fredricks)  
 11672 R. Pakistan hrd w/dictation news in Eng. S/off is whenever news is  
 finished, usually arnd 1350. (Fansler) (Parker) (Nelson) Also hrd on  
11872A. (Douglas)  
 9750 R. Malaysia, Kuala Lumpur hrd in unid. language with ID. (Fredricks)  
 9610 VLX9, Perth, Australia heard with A.B.C. news. (Fredricks)  
 9680 R. Peking heard with English news. (Fredricks)  
 9580 R. Australia heard w.English xmsn to E. North America. (Coulouras)  
 9600 R. Tashkent, Uzbek SSR hrd 1325-1328A s/off w/English ID and eastern  
 music. (Luyster)  
 4920 VLM4, Brisbane, Australia hrd with Eng. ID & s/off at 1358. (Hosmer)  
 17855 R. Havana Cuba hrd 1330 w/usual news and music in Spanish. (Pestor)  
 17845 SBC, Switzerland hrd 1330 w/ID and freq. ann. in Eng., then English  
 xmsn to Africa. (Pestor)  
 11835 R. AVEH, Haiti hrd 1302 w/mx, Eng. ID 1315, then relig. prog. (Douglas)  
 4890 VLT4, Port Moresby, New Guinea hrd w/Eng. music & news, 1315. (Widner)
- 1400 17825 R. Prague hrd w/Eng. xmsn, inc. "Weekly Magazine" and Radio Amateurs  
 Club. (Pestor) This xmsn is Sundays only, 1400-1500. (Ed.)  
 17790 BBC, London hrd 1430 w/"You Write, We Reply", a new program? (Pestor)  
 15420 R. Sweden with Eng. xmsn to E. North America, 1445-1515. (Widner)  
 11850 R. Norway hrd w/ser chantys & educational programs to 1430 closedown.  
 This is weekly Eng. program on Sundays, // 15175, 17825, 21730. (Ranson)  
 11855 Deutsche Welle, Kigali hrd w/Amaric s/on at 1430. (Drew)  
 17710 VOA-Greenville hrd w/"Opinion Roundup" at 1445. (Drew) 17750 outlet hrd  
 1415 with talk on American Indians. (Pestor)  
 9600 R. Tashkent, Uzbek SSR hrd w/Eng. to 1430. Usually better than 1200  
 xmsn. (Fansler) Hrd 1425 s/off with weak signals in Ontario. (Pestor)  
 15425 R. Nederland hrd 1430 with South East Asia transmission. (Wahl)

- 1400 5040 BBS, Burma hrd 1430-1600 in Eng. Nx at 1445. Strong. (Balbi) (Sparks)  
 7575 R. Pyongyang, N. Korea hrd with Eng. to 1500, then French. (Balbi)  
 11810 BBC, Cyprus hrd w/s-on, freq. ann., then relay of BBC World Service.  
 (Headen) New outlet? Their sked says 11720 this time. (Ed.)  
 9667 R. Ceylon Commercial Svc. heard in English at 1445. (Coulouras)  
 WRB says they are now consistently on 9670 rather than the listed and  
 announced 9667. (Ed.)  
 9770 R. 4VEH, Haiti hrd at 1433 s/off w/Eng. ID and request for reports and  
 letters. (Parsons)  
 9505 FEBC, Philippines hrd w/Indian Svc at 1445. Eng. nx 1530. (Primm)  
 11820 TWR, Bonaire heard with English religious program. (Goulet)  
 5804 R. Sanaa, Yemen hrd 1450 w/Arabic chants. S/off after ID 1505. (Sparks)  
 9670A R. Saigon hrd 1406 w/Eng. ID and mx. ID'ed as "This is Radio Saigon,  
 External Service". (Douglas) New frequency? (Ed.)
- 1500 11910 BBC, London hrd in Arabic or Turkish with language lesson at 1530.  
 European Svc. 4-note IS at 1545, then mx. CW QRM, poor reception.  
 (Benson) North American Svc., 1530-1730 now on 15300 & 15350. Havana  
 sometimes strongly QRMs on 15300. 15350 usually excellent. (Ed.)  
 17740 ORTF, Paris hrd in French, 1530-1545 s/off. (Drew) 21620 outlet hrd  
 at 1500 s/on in French. (Luyster)  
 9610 VLX9, Perth, Australia hrd w/nx, weather & mx to 1605 s/off. (Fansler)  
 (Balbi) (Luyster)  
 4835 R. Malaysia, Sarawak noted in unid. language w/nx de Kuala Lumpur.  
 4950 outlet hrd 1515 w/English drama. (Fredricks) 4950 also hrd w/Eng.  
 local nx to 1600 s/off. Strong. (Balbi)  
 3345 DZB4, FEBC Home Svc., Philippines hrd in unid. language. (Balbi)  
 7043 R. Pakistan, Karachi hrd w/Eng. nx to 1515, then unid. language. (Balbi)  
 9760 R. Hanoi, N. Vietnam hrd w/Eng. nx at 1530, //9830. Also irregularly  
 hrd on 11760. (Balbi)  
 11940 R. Singapore hrd w/Eng. nx at 1530, //3055. S/off is 1630. (Balbi)  
 5015 Vladivostok, USSR hrd 1500 with semi-classical music. (Payne)  
 15110 XERR, Mexico City noted 1508 w/ID and Mexican mx. Seems to operate  
 irregularly on this freq. //11880. (Luyster)  
 7210 ICRC, Geneva, Switzerland hrd 1515 on 1/4 w/ICRC nx items in English &  
 musical selections between. (Sparks)  
 11835 R. 4VEH, Haiti hrd with English ID. (Widner)
- 1600 15300 BBC, London hrd in N. American Svc. at 1610 w/"Radio Newsreel". (Gerran)  
 Hrd on 11945 in Bengali. (Widner)  
 11905 R. Prague hrd on Sunday w/Eng. in African Svc. Musical request prog.  
 Requesting reports. Very weak, CW QRM & USB. (Benson)  
 17830 Deutsche Welle, Koln hrd with English xmsn. (Drew)  
 17740 VOA-Greenville noted with Arabic transmission. (Drew)  
 15295A R. Lourenco Marques, Mozambique hrd in Portuguese at 1640. (Drew)  
 9505 R. Japan Gen. Svc. hrd w/Eng. to 1615, Japanese to 1630, //9560 (weak)  
 9605 (good). (Fansler)  
 9720 SAB, Riyadh, Saudi Arabia hrd w/talks & mx in Arabic 1645-1700. Good ID  
 at 1700. (Fansler)  
 15265 RNM, Malagasy Rep. hrd w/pop mx, French & Eng. announcements at 1630.  
 (Fredricks) WRTH'66 says this xmsn is beamed to W. Africa & Europe. (Ed.)  
 9670 R. Ceylon Commercial Svc., move from 9667, hrd w/Eng. & mx to 1645 s/off.  
 (Balbi) 11800 outlet hrd 1630 w/talk & music in eastern language. (Nelson,  
 9660 D. Welle, Kigali noted 1630 s/on in French, at 1700 in Hausa. Moved from  
 7270. (Balbi) Also on 17805 in French at 1630. (Luyster)  
 9660 R. Liberty, Munich, Germany can be hrd w/its familiar IS just prior to  
 1600 under heavy jamming. (Headen)

- 1600 17810 R. Nederland hrd w/Eng. news relay "European Review" beamed to Lagos & Freetown. (Primm) Sked says this is 1600-1615 on Wed. & Sat. only, //15220. (//21570 in March). (Ed.) Hrd with nx relay to NAEB stations in N.America 1600-1615, //15245. Repeated 2035-2050 on 11730 & 9525. (Jenneman) This on Tuesday & Friday only. In March, 15245 replaces 9525 at 2035. (Ed.)
- 6145 VOA-Philippines on new freq. w/Eng. prog. & ID. 1630 s/off. (Sparks)
- 11720 CBC, Montreal hrd 1630 w/"Sunday Morning Magazine". (DeHart)
- 9515 XEWW, Mexico City heard in Spanish. (Widner)
- 17920 R. Cairo, Egypt hrd 1640 with Arabic transmission. (Widner)
- 1700 15293 R. Clube de Mozambique, Lourenco Marques hrd in Port. 1750-1915 with talks on Hollywood "stars", jazz, classical mx, religious talks etc. ID & freq. ann.'s on the hour after musical signal. (Jaar)
- 5955 Deutsche Welle, Koln heard in Turkish at 1725 s/on. (Drew)
- 15190 R. Brazzaville hrd w/French xmsn at 1730. (Drew) (Coulouras) Hrd with English at 1700. (Widner)
- 17805 D. Welle, Kigali hrd w/Eng. xmsn to Africa 1745-1830. (Field) Severe QRM in Ohio from VOA-Greenville on 17800. (Wilt)
- 15130 WBS, Grenada hrd w/BBC nx at 1700, home news at 1715. (Fredricks)
- 15155 ELWA, Liberia hrd in French at 1730 s/on. (Wilt) (Coulouras) English ID heard at 1800. (Coulouras)
- 7230 DZI9, FEBC, Manila hrd in Russian to 1730 s/off w/Eng. ID. //9715 (DZH7) (Balbi)
- 11740 R. Peking with Eng. xmsn to 1755, //9840 & 7115. (Balbi)
- 15305 SBC, Switzerland hrd w/Eng. ID & news to Africa at 1733. (Hosmer)
- 1800 9635 ETLF, Ethiopia heard w/English until 1812. (Drew)
- 4640 R. Dushanbe, Tadzhik SSR hrd in Russian (?) (Drew) Was probably in Russian. Their sked says they relay Moscow 1800-2103. (Ed.)
- 17805 D. Welle, Kigali hrd in Hausa 1830-1900 (Field) Eng. 1800-1830. (Fensler)
- 15220 SABC, South Africa, African Svc. hrd to 1825 tune-out in Eng. with classical music. (Field)
- 15295 R. Lourenco Marques, Mozambique hrd w/4 chimes at 1816, followed by Portuguese ID. (Parker)
- 11840 R. Australia w/s-on to Pacific area w/Eng. nx. //9600. (Balbi)
- 17880 R. Portugal noted 1815 w/"Voice of the West". (Headen)
- 15245 UN Radio, New York has Spanish nx to 1815 on this Greenville xmtr, relayed by Tangier on 9710, according to announcement. Nx in Italian at 1815. (Jaar)
- 9560 R. Japan Gen.Svc. hrd w/Eng. nx. This xmsn seldom heard here. (Pestor)
- 15255 Voice of Nigeria, Lagos heard with English ID. (Widner)
- 1900 15170A TGW, Guatemala City noted once on this freq. around 1900. Much QRM. (Jaar) This was possibly their new 10 kw. xmtr testing. (Ed.)
- 9675 R. Senegal hrd good strength w/French & other mx at 1920. (Jaar)
- 11895 WBS, Grenada hrd w/local mx to 1930, then news, //5015. (Jaar)
- 15130 outlet hrd 1957, joined BBC at 2000. (Gerran) (Wahl) Mx 1915. (Gerran)
- 6025 R. Nederland, "Happy Station" prog. hrd on Sunday in Eng. 1920. (Gerran) African xmsn in Eng. hrd to 1950, //11730. Anned 9590 not hrd. (Balbi) 11730 outlet hrd. (Goulet)
- 17805 D. Welle, Kigali tuned 1920-1935 during French xmsn. Featured pop mx & news. (Luyster) Sked 1900-1945. (Rowell) (Field) (Headen)
- 17720 WINE, Red Lion hrd 1930 w/Eng. ID and request for reports, then instr. music. (Luyster)
- 15190A ORTF, Paris hrd w/Eng. nx 1915-1930, then into unid. lang. (Field) This was R.Brazzaville relaying ORTF. (Ed.) (Wahl) (Wilt) (Widner)

- 1900 11910 ETLF, Ethiopia hrd w/religious talk 1930-1945. (Fansler) 11875 outlet hrd 1915-1945 in Eng. VOA QRM at 1930. (Coulouras)  
 15190 R. Brazzaville hrd w/Eng. relay at 1915. 2046 s/off. (Fredricks)  
 6005 CFCX, Montreal hrd 1930-2000 w/English disc-jockey program. (Wilt)  
 11742 R. Iran hrd this freq. as of 2/6 w/French at 1930, Eng. at 2000, Persian at 2030-2130. (Rowell)  
 15293 R. Lourenco Marques, Mozambique hrd to 2000 in Port. (Rowell) (Hosmer)  
 11865 Elizabethville, Congo hrd to 2100 in French. (Rowell) 11866 hrd w/Eng. nx irregularly at 1900. French nx at 1800 & 2000. S/off 2100. (Balbi)  
 15120 Vatican Radio heard with s/on in French. (Balbi)  
 15255 Voice of Nigeria heard with French news. (Balbi)  
 11745 XEMP, Mexico City heard in Spanish. (Rowell)  
 11900 R. South Africa hrd 1935 in Africa Svc. in Eng. w/religious mx. (Primm)  
 15360 VOA-Monrovia hrd w/French news and commentary. (Goulet)  
 6130 CHNX, Halifax noted 1900 w/nx. At 1905 joined CBC for coverage of the ceremonies opening Nova Scotian legislature. (Luyster)  
 6010 CJCX, Sydney, Nova Scotia hrd 1925 w/show mx. CFCX QRM. (Luyster)  
 15155 ELWA, Liberia noted 1915 in English and at 1950 w/French religious prog. (Gerran) Hrd at 1900 in unid. language. (Widner)
- 2000 9360 RNE, Madrid, Spain hrd w/Eng. to Europe at 2031. (Gerran)  
 15220 R. Nederland, Boanire heard with English s/on. (Drew)  
 7100 R. Pakistan heard with English transmission. (Drew)  
 7300 R. Berlin International heard with German at 2050. (Drew)  
 11735 RTV, Morocco hrd w/pop songs 2030-2045, talk on tourist spots to 2100, then more music to 2130. (Fansler) (Zeller)  
 6095 R. Baghdad, Iraq heard with English news and commentary. (Parker)  
 7310A R. Budapest, Hungary hrd w/Eng. nx. (Wahl) Sked says 7305. (Ed.)  
 15130 WIBS, Grenada hrd 2030 with "Songs for Sunday". (Wahl)  
 15255 Voice of Nigeria, Lagos hrd 2100, nx at 2110. (Wahl) 9690 outlet hrd 2000 with French news and commentary. (Goulet)  
 6130 CHNX, Halifax hrd 2010-2100 with pop music. (Wilt)  
 11810 R. Amman, Jordan heard in Arabic. (Rowell)  
 11855 TWR, Bonaire hrd w/xmsn to Europe in unid. language to 2215. A move from 11840. (Balbi) Hrd on 15220 at 2000 s/on in Eng. to Africa. (Gerran)  
 9650 R. Conakry, Guinea hrd with French transmission. (Coulouras)  
 4885 Voice of Kenya, Nairobi hrd 2001 with English news. (Fleury)  
 9615 Radiostansiya Rodina, Moscow, USSR hrd w/mx & Russian at 2030. (Zeller)  
 11930 R. Brazzaville, Congo hrd with French s/off at 2053. (Zeller)  
 6025 R. Portugal hrd w/Eng. xmsn to Europe at 2045. (Nelson)  
 7265 R. Tirana, Albania heard with English commentary. (Nelson)  
 6085 R. Nederland, Hilversum hrd 2005 w/English xmsn to Europe. (Nelson)  
 7120 BBC, London hrd 2030 w/"Modern English Theatre". (Pestor)
- 2100 15125 R. Sociedad de Bahia, Salvador, Brazil hrd w/LA mx, ID's in Portuguese. One short ann. in Eng. Announces // 11875. Hrd 2139. (Gerran)  
 7255 R. Sofia, Bulgaria hrd w/Eng. s/on at 2105. (Drew) Hrd on 6070 W/Eng. program featuring operatic music. (Primm)  
 6020 R. Nederland hrd w/Spanish s/on at 2130. (Drew) Hrd on 6085 w/Eng. to North America, 2100-2150. (Jenneman)  
 6015 R. Havana Cuba noted with English to 2140 s/off. (Drew)  
 9640 R. Predilecte, San Cristobal, Venezuela hrd 2100-2300 w/mx and frequent ads. (Field) Believe correct name for this st. is "Ecos del Torbes". "Emisora Predilecte" is part of ID slogan, "predilecte" meaning favorite or preferred. (Ed.)  
 4970A Tentative logging of R. Yaounde, Cameroon. Hrd 2158-2300 w/French & mx. Hrd 1/2 with very good signals but not heard since. (Field)

2100 5017 Emisora da Guine, Portuguese Guinea hrd 2105-0004 w/drama, nx. (Field)  
 11895 WIBS, Grenada noted 2115 w/musical request program. (Parker)  
 15195 R. Japan Gen. Svc. hrd w/Eng. nx & "From Today's Press". (Parker)  
 11855 TWR, Bonaire noted 2130 w/Spanish & Portuguese to Europe. (Rowell) &  
 (Douglas)  
 11735 RTM, Morocco hrd w/English to 2130, then French. (Coulouras)  
 5047 R. Togo, Lome hrd w/Eng. nx 2100-2115. (Coulouras) Hrd 2130 in French  
 with music. (Zeller)  
 4855 Voice of East Nigeria, Enugu hrd w/nx & Eng. program at 2115. Good  
 signals but some QRM and QSB. (Parsons)  
 5035 R. Bangui, Central African Rep. hrd 2115 w/talk in unid. lang. (Fleury)  
 6135 R. Warsaw, Poland hrd in Eng. 2145. (Jaar) Sked 2130-2200. (Ed.)  
 6280 R. Tunis, Tunisia hrd daily with good signals around 2130. (Jaar)  
 4780 RTF, Djibouti, Fr. Somaliland hrd 2130-2200 fadeout w/Ramadan service  
 in Somali. (Peters.)  
 15255 Voice of Nigeria, Lagos hrd w/Eng. xmsn, nx & commentary, native mx  
 at 2115. (Gerran) //9690. (Zeller)  
 9580 BBC, London hrd w/Caribbean Svc. in English at 2115. (Zeller)  
 17705 VOA-Honolulu, Hawaii hrd 2130 w/Japanese nx, with few Eng. translat-  
 ions. (Festor)  
 6025 R. Portugal, Lisbon hrd with Italian transmission. (Widner)

2200 4770 ELWA, Liberia hrd at 2255 s/off after Eng. program. Good but frequent  
 CW QRM. (Jaar) Hrd 2245-2300. (Fansler) Hrd on 15155 at 2200 with  
 Portuguese to South America. (Douglas) (Gerran)  
 15230 KGEI, "Voice of Friendship", San Francisco hrd at 2225 s/on. (Gerran)  
 11748 R. Pyongyang, N. Korea hrd in Korean at 2230, //14520. (Rowell)  
 11835 R. 4VEH, Haiti noted w/Spanish religious prog. at 2218. (Gerran)  
6120 outlet hrd 2200 w/hymns in Spanish. (Peters)  
 15130 WIBS, Grenada hrd closing down at 2218. (Gerran)  
 3940 VOA-Okinawa noted in Eng. Also on 7135, very weak. (Drew)  
 7135 VOA-Monrovia also hrd here w/English to 2215 s/off. (Drew)  
 15145 ZYK33, R. Jornal do Comercio, Recife, Brazil hrd in Portuguese. (Drew)  
 7310 R. Kiev, USSR heard at 2230 s/on in Ukrainian. (Drew)  
 7360 R. Vilnius, Lithuania hrd in Lithuanian at 2230. In Eng. on Fridays &  
 Sundays. Also hrd on 7185 and also announces 5920. (Drew)  
 5035 R. Bangui, Central African Rep. hrd 2200 w/mx, 2215 news in unid.  
 language. (Field)  
 6080 R. Berlin International hrd at 2245 w/Spanish xmsn. (Field)  
 9645 R. Cultura de Pocos de Caldas, Brazil noted 2250-0015 w/live sports  
 broadcast. (Field)  
 4870 R. Dahomey heard at 2200 with s/off in French. (Fansler)  
 7265 R. Tirana, Albania hrd w/Eng. nx & comment to 2230. (Fansler) (Zeller)  
 9720 R. Senegal hrd 2200 in French. Nx at 2215. Fr. & Eng. pop mx till 2355  
 nx, then s/off at 0000. (Fredricks) (Goulet)  
 11795 R. Leopoldville, Congo hrd to 2300 in French. (Rowell)  
 9605 TWR, Bonaire hrd w/s-on 2225 in unid. language to Europe. (Balbi)  
 6175 R. Algiers hrd w/Eng. xmsn 2200-2230, //9685. Sp. at 2230. (Coulouras)  
 11710 RAE, Argentina hrd w/French xmsn to Europe at 2230. (Coulouras)  
 4910 R. Conakry, Guinea hrd 2230 w/French prog. (Coulouras) 9650 outlet hrd  
 2200 under heavy QRM. (Goulet)  
 15195 R. Japan Gen. Svc. hrd w/s-on in Eng. & Japanese, then Eng. nx. Into  
 Japanese at 2215. (Douglas)  
 6250 R. Santa Isabel, Sp. Guinea hrd 2255-2258 s/off w/piano mx & unid.  
 language. (Douglas)  
 6280 R. Tunis, Tunisia hrd daily at 2250 w/mx, Arabic nx 2300, Koran chants  
 at 2315. Usual s/off is 2300. (Jaar)

- 2200 4970 R. Rumbos, Caracas, Venezuela hrd 2255 w/Sp. ID & nx. Good. (Hosmer)  
 6015 R. Abidjan, Ivory Coast hrd 2257 w/Fr. & African ID's, mx. (Douglas)  
 11735 Vatican Radio hrd w/poor signals. (Widner) This is Eng. xmsn to Austral  
 and New Zealand. (Ed.)  
 6070 CFRX, Toronto, Onatrio heard with fair signals. (Widner)
- 2300 15230 KGEI, San Francisco hrd with s/on in Spanish. (Jaar)  
 11745 XEMP, Mexico City noted in Spanish. Also has been noted shifting to  
 11743 around 2300. (Rowell)  
 11748 R. Pyongyang, N. Korea hrd w/Spanish to L.America, //14520. (Rowell)  
 14520 hrd 2330-2345. (Drew) (Fansler) (Frimm)  
 11750 Far East Network, Tokyo heard this time. (Rowell)  
 11755 Vladivostok, USSR hrd in Chinese 2300-0000. (Rowell)  
 5990 CBC, Montreal hrd 2300-0045 to USA & L.America w/Eng. at 2300-2330,  
 Portuguese 2330-0000, Spanish 0000-0045, //9625 & 11725. (Rowell) (Widner)  
 4780 R. Atshualpa, Quito, Ecuador heard with newscast. (Field)  
 4995 R. Brasil Central, Goiania hrd 2315 with music. (Field)  
 4975 R. Timbira, Sao Luiz, Brazil heard with news. (Field)  
 5040A R. Maturin, Venezuela hrd nightly 2300-0330 w/musical programs and  
 frequent ID's. (Field)  
 5050A R. Cultura, Caracas, Venezuela hrd nightly 2300-0500 w/mx, ads and  
 frequent ID's. (Field)  
 5040 R. Altipleno, La Paz, Bolivia hrd 2330-0030 (also 1015-1030) w/musical  
 programs. (Field) SCDXers says is currently on 5045. (Ed.)  
 15105 R. Japan Gen. Svc. hrd w/Eng. nx. (Parker) (Douglas) //15425. (Douglas)  
 9720 R. Senegal, Dakar hrd 2345, French nx at 2355, ID & s/off 0000. (Parker)  
 6015 R. Abidjan, Ivory Coast hrd to 0000 in French. (Rowell) (Parsons)  
 11710 R. Nacional, Argentina hrd w/Eng. to Europe. (Rowell) (Coulouras)  
 9605 TWR, Boanire hrd 2330 in Spanish to S.America. (Balbi) Hrd on 15170 on  
 2/13 at 2330 in German, at 0000 in Spanish. (Balbi)  
 4926 R. Ecuatorial, Sp. Guinea hrd at 2300 s/off w/national anthem. Very  
 weak. (Coulouras)  
 3300 R. Belize, Br. Honduras hrd 2342 w/Spanish. Eng. ID, ads & mx at 0000.  
 Featured BBC, VOA & Radio Portugal relays. (Douglas)  
 7302A R. Libertad, clandestine hrd 2342 w/Spanish ID and talk. (Douglas)  
 5017 R. Bissau, Port. Guinea hrd 2303 w/Eng. r&r mx, Port. ID at 2315. ID's  
 also heard at 2330 & 2345. (Douglas)  
 11740 Vatican Radio tuned 2330 with Spanish to Latin America, (Rowell)  
 11735 R. Konevo, RSFSR, USSR hrd w/s-on at 2350 in unid. language. (Rowell)  
 15300 FEBC, Philippines hrd 2322 w/Eng. religious talk. ID 2330. (Frimm)  
 11855 outlet hrd 2340 w/Eng. nx, ID at 2345, then woman's prog. (Arthur)  
 11715A R. Tirana, Albania noted in Spanish to 2315. Strong QRM. (Jaar) Accord-  
 ing to sked, is on this freq. 2245-2315 & 0215-0245 in Sp. to LA. (Ed.)  
 4750 R. Dif. Maranhao, Sao Luiz, Brazil noted good & clear at 2300 with  
 Portuguese religious program. (Jaar)  
 9920 R. Peking heard in Spanish, 2330, in Portuguese at 0000. (Peters)  
 11855 R. Sarandi, Uruguay noted w/pop songs in Eng. at 2330. S/off 0000. (Peters)  
 4910 R. Conakry, Guinea logged w/Afro-Cuban selections, 2351-0000 s/off.  
 (Callermen)  
 9770 Austrian Radio hrd w/fair signals. (Widner) Program details? (Ed.)

Tech. Publication of Interest to SWL's..... "Ionospheric Radio Propagation", a major new National Bureau of Standards publication by Kenneth Davies is now going into its second printing. This new textbook reflects implications of the space age, discoveries of the IGY and Int. Year of the Quiet Sun etc. This book is the standard basic digest needed today by all in this field who want to be "on top" of everything new in ionospheric radio propagation. The author is Chief of the Ionospheric Research Sect. of the NBS CRP Laboratory, Boulder, Colo. #2.75 de US Gov. Printing Office. (H)

NASA SWBC 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	160	Comores Islands	2
Bill Sparks, California	158	144	Dili, Timor	3
Peter Drew, W. Australia	138	109	CHNX, Canada	4
Gregg Calkin, New Brunswick	132	114	Radio Terawa	5
Ray Fansler, Illinois	120	73	R. Bamako, Mali	6
Bill Eddings, Pennsylvania	119	103	DZB2, Philippines	7
Leo Fleury, New York	119	77	Radio Vilnius	8
Doug Benson, New Hampshire	99	94	Radio Togo	9
Danny Douglas, Texas	99	52	Radio Asmara	10
Ron Luyster, Ohio	99	16	Radio Eurafrika	11
Victor Jaar, Haiti	97	7	Radio Tahiti	12
Alex Primm, Missouri	94	66	Radio Malaysia	13
Roger Parker, Illinois	90	58	Radio Tahiti	14
Jim Howard, Missouri	87	72	Radio Reunion	15
Gary Fredricks, Oregon	86	57	VQ04, Solomons	16
Cesar Objic, Dominican Republic	85	24	Radio Portugal	17
Ronnie Verner, Georgia	83	59	Radio Ankara	18
Tim Davisson, Ohio	83	59	All India Radio	19
John Arthur, California	83	34	Radio Hargeisa	20
Bernard Koenig, Saskatchewan	80	74	Radio Ceylon	21
Gary Wilburn, Ohio	76	30	VLX9, Australia	22
Jim Gallucci, Oregon	75	41	Radio Brunei	23
Elias Coulouras, Massachusetts	72	45	Radio Senegal	24
Jerry Headen, N. Carolina	70	47	Radio Conakry	25
Marvin Nelson, New York	65	10	Radio Japan	26
John Pirnat, Ohio	64	45	Radio Abidjen	27
Bill Stevens, Pennsylvania	62	59	Radio Ceylon	28
Mark Hosmer, Indiana	62	42	VLX9, Australia	29
Herb Donehoo, Georgia	62	26	Radio Canada	30
Don McKenzie, California	61	44	Voice of Vietnam	31
Al Raylesberg, New York	60	37	R. Amman, Jordan	32
Fred Adams, Indiana	59	51	Radio Somali	33
Phil Zucchi, Massachusetts	59	47	Radio Tirana	34
Mike Laechtefeld, Illinois	58	44	?	35
Mike Lee, New York	56	47	Radio Pakistan	36
Frank Fowler, Labrador	56	42	Radio Australia	37
Mike McElhatton, Pennsylvania	56	41	Radio Tahiti	38
Tim Hartman, Missouri	55	35	VLX9, Australia	39
George Zeller, Ohio	53	36	VLX9, Australia	40
Carl Goodling, Pennsylvania	50	39	Radio New Zealand	41
John Hartman, New York	48	30	Radio Tirene	42
Adelard Beaupre, Connecticut	46	46	Radio Baghdad	43
Peter DeHart, Pennsylvania	46	13	Radio Baghdad	44
Bill Gavin, Illinois	45	14	SBC, Switzerland	45
Peter Glenn, New Jersey	43	34	Austrian Radio	46
Steve MacArthur, New York	43	30	Radio Brazzaville	47
Rick Warner, Oregon	42	33	Port Moresby, N.G.	48
Clarence Wahl, Kansas	41	13	Radio Japan	49
Jack Page, Mississippi	38	24	Kol Zion, Israel	50
Edward Brhel, New York	36	23	Radio Kiev	51
Don Herbert, Pennsylvania	36	21	Radio Australia	52
Bob Taylor, West Virginia	35	10	Radio Australia	53
Gary Phillips, Michigan	32	19	Radio Australia	54
Gary Wallin, Iowa	30	16	Radio Brazzaville	55

<u>NASA-FRENDX</u>	<u>SHORTWAVE CENTER</u>		<u>MARCH '66</u>
<u>Scoreboard (cont.)</u>	<u>HIC</u>	<u>VIC</u>	<u>Prized QSL</u>
John Patton,	30	5	HCJB, Ecuador 56
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THIS MONTH'S SW CENTER REPORTERS

August Balbi, California	Sam Rowell, Washington	Marlin Field, Michigan
James Howard, Missouri	Gary Fredricks, Oregon	Elias Couloures, Mass.
Gerry Dexter, Wisconsin	Danny Douglas, Texas	Bert Pestor, Ontario
Jack Widner, Indiana	John Callarman, Texas	Victor Jaar, Haiti
Jerry Headen, N. Carolina	Fred Adams, Indiana	Charles Gerran, N.York
Don Jensen, Wisconsin	Fred Parsons, Ontario	George Zeller, Ohio
William Sparks, California	Marvin Nelson, New York	Joe Fela, New Jersey
Peter DeHart, Pennsylvania	John Arthur, California	Mark Hosmer, Indiana
Frank Peters, Illinois	Richard Jenneman, Wisc.	Alex Primm, Missouri
Bertrand Goulet, Quebec	Alan Raylesberg, New York	Dan Shoaf, Texas
Bob Taylor, West Virginia	Robert Kuzmicki, Penna.	Dan Wilt, Ohio
Clarence Wahl, Kansas	Roger Parker, Illinois	William Gavin, Illinois
Ray Fansler, Illinois	Peter Drew, W. Australia	Doug Benson, N.H.
Leo Fleury, New York	Barry Deal, Nebraska	Ralph Irace, Conn.
Mike Leuchtefeld, Illinois	SCDXers, Sweden	WRB, Denmark

Further SW Tips....BECHUANALAND....As of Sept. 30, 1966, this territory becomes the Republic of Botswana and consequently the new name of the Bechuanaland B/S will be Botswana Broadcasting Service. ..It has been reported that the Bechuanaland government has stated that the BBC relay at Francistown will either be closed in 1966 or at least the situation will be reviewed since they are not unfriendly with Rhodesia the nation to whom the xmtr is mainly broadcasting. (DX Listeners Club, Oslo, Norway)

SOLOMON ISLANDS....The SIBS has erected a new 8-element antenna to be used on 3995. The antenna will reportedly reduce reception chances outside 700 miles radius. (DX Listeners Club, Norway).....A recent letter from SIBS stated, "This transmitter will shortly be feeding a new vertical incidence array for better local coverage, so reception in your part of the world (referring to USA) may deteriorate markedly in a couple of months". (Gary Fredricks) How is current reception in WONA? (Ed.)

PHILIPPINES....South East Asia Radio Voice, Dumaguete City, will start broadcasting in March, 1966, possibly first with test xmsrs on 11875, 9630, 15420, 17715 and 21470..all 50 kw. (World Radio Bulletin) All members are requested to keep watch for this new outlet. According to WRIB, the facility is financed by the US National Council of Churches and reports are to be sent to: C. Bernardez, SEARV, Dumaguete City, Philippines. Tape recording accepted. (Ed.)

SPECIAL NOTE!!....All readers are asked to remember that during March many shortwave outlets revise their schedules and frequencies for the spring season. This fact may possibly render some info included in this month's section incorrect by the time it gets to your hands. Everyone should listen especially close to station sked and freq. announcements for possible changes. ..Till next month, good listening!

13, Ron

- 1100 5047 RRI, Jogjakarta, Indonesia noted 1058 w/children's choir, YL anncr to 1103, then US instr. tunes to 1128 tuneout. Also hrd 1145 w/more mx, OM with nx at 1200, commentary 1212 w/frequent mention of Malaysia. Difficult reception. (Callarman)
- 3925 JOZ, Tokyo hrd 1135 in Japanese, with talk & ID. (Douglas)
- 1200 3335 R. Wewak, New Guinea hrd weakly but positive ID, 1215-1230 s/off w/OM anncr, mx, & "God Save the Queen". (Henderson) (Parker)
- 9580 R. Australia hrd w/Eng. to N. America at 1215-1315. (Beaupre) (Adams) & (McElhatton)
- 9645 Faro del Caribe, San Jose, Costa Rica hrd beginning prog's at 1200. (Jaar)
- 4820 HRVC, R. Evangelica, Tegucigalpa, Honduras very good 1210 in Sp. (Jaar)
- 15240 R. Berlin Int., E. Germany hrd w/Eng. xmsn to S.E. Asia & Australia, 1200-1300 s/off. (MacArthur)
- 4890 VLK4, Port Moresby, New Guinea hrd 1258 in Eng. (Leuchtefeld) According to WRTH, VLK4 uses this freq. 0730-1400. (Ed.)
- 15185 R. Finland hrd w/Eng. DX program at 1255. (Widner) (Adams) English on Tuesdays & Saturdays only. (Ed.)
- 1300 11760 R. Hanoi, North Vietnam hrd 1300-1339 w/Eng. nx to US military in S. Vietnam. Featured Hanoi Hannah. (Henderson) (Fansler) (Douglas)
- 11740A XEMP, "La Charita del Cuadrante", Mexico hrd daily 1300-0200 with Mexican music. (Field)
- 4890 VLT4, Port Moresby, New Guinea hrd w/nx, commentary & mx in Eng. QRMd. (MacArthur) (Wilt)
- 17810 BBC, London hrd 1300-1400 w/nx, sports, special features, etc. (Hartweg)
- 17855 R. Havana, Cuba hrd w/commentary but mainly music. (Hartweg)
- 17845 SBC, Switzerland hrd 1330-1430 w/English xmsn to Africa. (Hartweg)
- 1400 17845 SBC, Switzerland noted 1423-1430 with Eng. to Africa, at 1430 into Italian. (Lee)
- 17890 HCJB, Ecuador noted 1430 w/"Call of the Andes". (Lee) //15115. (Adams) Isn't this morning xmsn called "Morning in the Mountains"? (Ed.)
- 15185 R. Moscow, USSR noted 1437 w/Eng. nx & commentary to Africa. (Lee)
- 6070 CFRX, Toronto, Canada noted 1446 w/usual music & ads. (Lee)
- 9720 VOA, Wcofferton, England hrd 1430 w/ID, then into Armenian. (Raylesberg)
- 9865 RRI, Indonesia hrd w/English xmsn 1400-1500. (Flannagan)
- 17825 R. Prague, Czechoslovakia hrd closing Eng. xmsn at 1455. (Boik) //15285. (Gurran) This is Sundays only, 1400-1500. (Ed.)
- 9610 VLX9, Perth, Australia hrd 1445 with music. (DeHart)
- 15225 All-India Radio, Delhi hrd 1415 w/ID, then Indian mx. SE Asia xmsn. (Ed.)
- 15420 R. Sweden hrd w/Eng. xmsn to N. America, 1400-1430 & 1445-1515. (Hartweg)
- 15425 R. Nederland, Hilversum hrd w/Eng. nx, features, 1430-1520. (Hartweg) //17810, both beamed to S. Asia & on 6025 to Europe. (Ed.)
- 1500 9505 DZH7, FEBC, Philippines can be hrd 1530 after NHK s/off on same freq. till NHK comes back at 1555. Hrd w/news & religious program. (Wahl)
- 7130 VOFC, Taiwan hrd 1530 w/Eng. nx, //2585. S/off 1610. (Balbi)
- 7220 R. Australia hrd w/English news, //9570. Good signals. (Balbi)
- 11835 VOA-Colombo, Ceylon hrd w/Eng. nx. Heard to 1800 s/off. (Balbi)
- 11900 R. Malaysia, Kuala Lumpur hrd in unid. language to 1630 s/off. (Balbi)
- 15185 R. Finland hrd w/ID's in Eng., German, French at 1510 s/off. This xmsn beamed to North America. (Balbi)
- 17690 R. Cairo hrd in Arabic & unid. language to 1815. Also hrd on 17785 but not in parallel. Both strong. (Balbi)
- 17820 R. Norway hrd in Norwegian w/ID, //11850. Strong to 1625. (Balbi)

- 1500 17830 D. Welle, Koln hrd w/xmsn to Africa. Eng. nx at 1555, //11890. (Balbi)  
 9735 outlet hrd 1510 with English to W. North America. (Adams)  
 15350 BBC, London currently here, //11840 for N.American Svc. 1530-1730.  
 (Luyster) 15350 (Callarman) 15300 has been dropped. (Ed.)  
 15250 R. Bucharest, Rumania hrd 1500-1530 w/Eng. xmsn to Africa & Asia.  
 (Stevens) (Parker) Freq. change? Sked says 15300. (Ed.)  
 15300 R. Havana Cuba hrd w/speech in Spanish at 1530. (Stevens)  
 15420 R. Sweden hrd closing Eng. program 1515, then into Swedish. (MacArthur)  
 17910 R. Ghana hrd 1545 closing Eng. xmsn to Australasia. (Parker) Sked is  
 1500-1545. (Ed.)  
 9505 R. Japan General Svc. hrd at 1500 s/on, then Eng. news. (Callarman)  
 15255 Voice of Nigeria very good at 1512 w/Eng. commentary. Drum IS at 1515.  
 (Callarman)  
 9610 VLX9, Perth, Australia hrd w/Eng. nx, weather report & mx. (Widner)  
 11715 SBC, Switzerland hrd 1515 w/Eng. nx. commenatry to WCNA. (Adams) 9535  
 outlet hrd 1515. (Jenneman) Where is latter directed? (Ed.)
- 1600 21500 R. Brazzaville, Congo noted 1610 w/"Sport & Music" show in French to  
 1700 s/off. (Henderson) According to sked, this xmsn is Sundays only,  
 1400-1700. (Ed.)  
 11855 Saudi Arabia hrd in Swahili to 1615. Hrd irregularly. (Balbi)  
 15240 R. Sweden hrd w/xmsn to Middle East. Eng. news at 1615. (Balbi)  
 17850 ORTF, Paris hrd in French at 1630. (Balbi)  
 17860 RTB, Bruxelles, Belgium hrd w/xmsn to Africa at 1630. Also heard at  
 1800-2100. (Balbi)  
 17825 R. Norway, Oslo hrd in Eng. to 1633, //15175. QRM from R. Canada on  
 17820. (Jear) English program on Sundays only. (Ed.)  
 15170 R. Free Europe hrd w/newscast, followed by US songs. (Stevens)  
 9610 VLX9, Perth, Australia hrd 1605 in Eng. (Leuchtefeld) Hrd at 1607 s/off.  
 (Hosmer)  
 6070 CFRX, Toronto, Canada hrd 1655 w/news & pop music. (Leuchtefeld)  
 9670 R. Ceylon Comm. Svc. hrd 1602 w/Eng. music & ID. (Douglas)  
 6180 BBC, London heard with news and commentary. (Adams)
- 1700 15120 Vatican Radio noted on this new outlet to Africa w/Eng. xmsn at 1705.  
 (Lee) Heard on same freq. in French at 1720. (Raylesberg)  
 17805 D. Welle, Kigali hrd 1745 w/English s/on. (Green) (McElhottton)  
 15345 SBC, Switzerland hrd w/African xmsn in Arabic. At 1800 in French and  
 at 1900 with English news. Strong. (Balbi)  
 11743 R. Iran, European Svc. hrd 1730-2030. Eng. 2000-2030 as of 3/6 but on  
 3/8 couldn't locate. (Rowell)  
 9655 R. Havana Cuba on this new freq. at 1700 in Spanish, //15300 & 6135.  
 (Jear) 9655 hrd 1740 with Spanish news. (Lindgren)  
 15340 BBC, London hrd in Arabic w/IS at 1745. (Wilt) Arabic ID 1730. (Callarman)  
 15225 R. Portugal, Lisbon noted in African xmsn at 1725. (Callarman)  
 15165 R. Denmark now on this freq. for Danish xmsn to Greenland, not 9520 as  
 listed in WRTH. S/off at 1812. (Callarman)  
 15455 R. Moscow, USSR hrd with French ID at 1713. (Callarman)  
 9805 RRI, Indonesia hrd w/s-on in French to Europe, M.East, Africa. (Hosmer)  
 15015 VOA-Monrovia hrd 1730 with Eng. ID, then Arabic xmsn. (Hosmer)
- 1800 15340 R. Havana Cuba hrd in Eng. w/Cuban mx at 1820. Believe is beamed to  
 Africa. (MacArthur) (Patton) Xmsn to Africa, ending Eng. 1800, then  
 French after multilingual ID. This freq. & xmsn not listed in their  
 sked. (Callarman)  
 11743 R. Iran hrd w/Arabic 1850-1930, French 1930-2000, Eng. 2000-2030.  
 (Henderson) See 1700. (Ed.)

- 1800 11866 R. Elisabethville, Congo noted 1810 w/mx, French announcements, infrequent ID's. (Henderson) On 11875 as of 3/3 to 2100 s/off. (Rowell)
- 17805 D. Welle, Kigali, Rwanda hrd w/Eng. mx, news review. Into Hausa 1830. (Raylesberg) (Leuchtefeld) (Fansler) (Wilt) (Widner) (Taylor)
- 9595 SBC, Switzerland noted in African transmission. (Beaupre)
- 15255 Voice of Nigeria, Lagos hrd in English. Fair. (Green) (Parker)
- 11875 ETLF, Ethiopia hrd 1830 in English & unid. language. (Balbi)
- 15150 R.I, Rome hrd in unid. language. (Balbi) // 11905 to Africa. (Hosmer)
- 15160 R. Ankara, Turkey hrd 1830 in German, 1900 in French. (Balbi)
- 15245 TVR, Bonaire hrd w/xmsn to Europe, s/on in unid. language. English to 2215 s/off. (Balbi)
- 15165 OZEF, Denmark hrd 1830 in unid. language. (Balbi) Danish (Ed.)
- 17880 XEMP, Mexico City back on this freq. on 3/7 to 0200A in Sp. (Rowell)
- 11697 Mid-East clandestine, formerly playing "Kiss Me Honey", now continuously playing Beatles' "Can't Buy Me Love". Hrd 1830-1901 on 3/4. (Rowell)
- 11795 EBC, London hrd 1830 with Turkish transmission. (Stevens)
- 1900 15130 ORTF, Paris noted 1915 w/nx & mx. (Lee) (Boik) 15245 outlet hrd at 1900 with IS & French s/on. (Hosmer)
- 7305 R. Budapest, Hungary heard 1930 with English news. (Lee)
- 6005 CFCX, Montreal, Canada heard with music & ads. Weak. (Lee)
- 15190 R. Brazzaville, Congo hrd w/ORTF nx 1920, French at 1930. (Raylesberg) ORTF Eng. nx hrd 1915-1930. (Green) Hrd 1930-2030 Sundays with superb French variety show. Last 20 minutes had Les Compagnons de la Chanson. (Callarman)
- 15270 VOA-Monrovia hrd 1930 w/xmsn to East Africa. (Raylesberg)
- 15155 ELWA, Liberia hrd w/usual missionary xmsn. (Beaupre) (Callarman) Very good when beamed to N. East, much weaker later when to N. Africa. (Callarman)
- 11835 R. 4VEH, Cap Haitien, Haiti heard with English xmsn. (Green) (Hosmer)
- 11873 R. Elisabethville, Congo moved from 11866. Hrd w/English news on weekdays. (Balbi) 11875. (Rowell)
- 11735 Moroccan R. & TV hrd in Arabic. English at 2200. (Rowell)
- 15350 R. Luxembourg hrd w/songs in French & Eng., French ann.'s. (Peters)
- 15345 LRA, Argentina hrd w/mx by London Symphony Orchestra. (Peters)
- 11755A ETLF, Ethiopia hrd 1930 on Sunday w/religious prog. to 1945 s/off with ID, info. on latter xmsns and music. (MacArthur)
- 11715 SBC, Switzerland hrd 1915 w/nx, mx, variety to Africa. (Patton) This xmsn 1730-2230 in French, German & Italian. (Ed.)
- 11730 R. Nederland hrd w/"Happy Station" in Eng. 1930 on Sundays. (Parker)
- 11875 Vatican Radio hrd at 1900 s/on in Polish on top of Elisabethville. (Rowell)
- 15150 RAI, Rome noted to 1944 s/off in Arabic-type lingo. Probably their Somali xmsn, sked here this time. (Callarman)
- 15293 R. Clube Moçambique, Lourenco Marques has classical mx during final hour of xmsn. 2000 s/off. Interpolates 15293, not 15295. (Callarman)
- 2000 6035 R. Tunis, Tunisia hrd 2030-2130, good almost daily w/Home Svc. in Arabic, w/music and news. (Henderson)
- 9670 VOA-Tangier heard with Rumanian at 2030. (Field)
- 9650 R. Conakry, Guinea hrd 2030 in African language. (Field)
- 9735 D. Welle, Koln hrd w/"Newsfeed", 2050-2100, Mon.-Sat. // 11925 & 6145. (Wahl)
- 15255 Voice of Nigeria hrd in French 2000-2100, then Eng. nx. (Rowell) (Callarman)
- 15380 D. Welle, Kigali hrd w/German to W. Africa, 2000-2300. (Rowell)
- 11735 Tromsø, R. Norway Home Svc. xmtr hrd. (RMed. (Rowell)
- 11735 Moroccan R&TV heard in Arabic. (Rowell)
- 11735 R. Havana Cuba also hrd on this freq. at 2000. (Rowell)

- 2000 11880 WRUL, New York City uses this new outlet at 2015. (Jaar)  
 15135 WIBS, Grenada, good w/BBC nx to Ascension Is. to 2015 closedown. Re-  
 turned later (and weaker) to Jamaica. (Callarman) According to annc.  
 hrd on st., freq. was to be changed to 15105 as of 3/3/66. (Ed.)  
 6115 R. Mundial, Lima, Peru hrd 2045 w/non-stop classical mx.ID 2100. (Douglas)  
 11705 R. Sweden hrd in Eng. Svc. to Africa, 2000-2015 s/off. (Douglas)  
 11860 BBC, London hrd with music and ID in English. (Douglas)  
 9725 Kol Israel hrd 2056 w/ID's, freq., English s/off. (Hosmer)  
 15320 CBC, Montreal hrd w/French xmsn to Europe, 2000-2044. (Hosmer)  
 6095 R. Baghdad, Iraq hrd 2015 w/ID, freq., address, s/off in Eng. (Hosmer)  
 9630 R.I, Rome hrd 2030 w/Eng. nx, then "Music by Strings". This xmsn is  
 beamed to Malta. (Widner)  
 11795 WINB, Red Lion, Pennsylvania hrd at 2003 s/on, then nx & comment. (Widner)  
 11290A R. Euzkadi, Basque clandestine hrd 2030-2108 s/off, //13250 with usual  
 political programming. (Zeller)
- 2100 4910 R. Conakry, Guinea noted 2110 in French w/chanting. (Raylesberg)  
 6095 R. Baghdad, Iraq hrd 2115 w/ varied program in French. (Beaupre)  
 11885 ORTF, Paris heard with French news. (Balbi)  
 15160 R. Nederland heard with English news. (Balbi)  
 15255 Voice of Nigeria hrd w/Eng. xmsn, 2100-2205. (Rowell) 9690 outlet hrd  
 2155-2200 s/off. (McElhatton)  
 9009 Kol Israel, Jerusalem 2130 in Hebrew to ships at sea. Very clear in  
 Haiti. (Jaar)  
 15115 HCJB, Ecuador hrd w/"DX Party Line" to Europe, 1st & 3rd Mondays of  
 the month, //17890. (Stevens)  
 11840A TWR, Bonaire hrd w/request program in English. (MacArthur)  
 9495 R. Ghana hrd 2100 w/Eng. nx on revolution. (McElhatton) Sure of ID?  
 This freq. listed as Cairo outlet. (Ed.) 9545 outlet hrd 2151 w/Eng.  
 nx, ID at 2200. (Douglas) 4990//4915 outlets hrd on day of revolt,  
 2100-2130 in unid. language, then French to 2209 tune/out. (Zeller)  
 11795 WINB, Red Lion, Pennsylvania hrd w/ID at 2130. (DeHart)  
 9475 R. Cairo now has German 2130-2200, then Eng. at 2200. Fair. (Callarman)  
 9480 R. Moscow outlet (Komsomolsk ?) hrd in oriental lingo to 2200, followed  
 by Portuguese xmsn to Latin America. (Callarman)  
 15200 R. Japan Gen. Svc. hrd 2100 w/English news. (Callarman) Off freq? Is  
 listed for 15195. (Ed.)  
 15380 D. Welle, Kigali good as Greenville during W. African xmsn in German.  
 On Sunday has Peter Alexander show 2015-2100, very entertaining listen-  
 ing. (Callarman)  
 6025 R. Portugal hrd ending English xmsn to Europe. (Hosmer)  
 15140 BBC, London World Svc. heard 2115 in English with music. (Lindgren)  
 15175 R. Norway hrd 2130 in Norwegian. ID at 2137. (Lindgren) This is relay  
 of the "Riksprogrammet" or Home Service. (Ed.)
- 2200 6250 R. Santa Isabel, Sp. Guinea hrd 2228 w/mx request prog. in Sp. to 2258  
 s/off with national anthem. (Henderson) (Douglas)  
 4890 R. Senegal hrd w/program in unid. African language 2223. (Henderson)  
 6175 R. Algiers, Algeria hrd w/Eng. xmsn 2200-2230 featuring nx & mx; Sp.  
 at 2230-2300. Hetrodyne QRM. //9635 also hrd w/good strength. (Field)  
 (Henderson) (Fensler)  
 5980 D. Welle, Koln hrd closing Eng. to E.Asia, Australia & N.Zealand at  
 2200. (Raylesberg) This freq. dropped in March. Now on 7175//11925,  
 2110-2200. (Ed.)  
 9690 Vatican Radio hrd w/Eng. nx to Australia & N.Zealand, 2200-2215 s/off.  
 (Field) \*//9605. (Green) re. below  
 15195 R. Japan Gen. Svc. hrd w/Eng. nx & comment. (Lindgren) (Field) (Parker)\*