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NORTH AMERICAN SHORTWAVE ASSOCIATION



OCTOBER 1965 EDITION

1503 FIFTH AVENUE, A2

ALTOONA, PENNA. 16602.

HEADQUARTERS - NASA

THE ERA OF "SPECIALISTIC" CLUBS

Today, as the DXing hobby attracts more and more followers, becomes more widely known, new ideas, wants and needs stem forth. Various older clubs go out of existence, new clubs are being formed, others which have been in operation for a number of years are changing their format. This latter group is, for the most part, those seeking to serve DXers who are interested in one particular phase of the hobby and/or specializing in same. Why are they formed? Are they needed? Can they succeed?

First we must realize that ours is a diversified hobby in many ways and that followers of it differ in opinion and interests in considerable respect. Were this not so, there would be but one club needed. The oldtimers who have been in the hobby for numerous years have their conception of clubs, same is true for the novice/newcomers and/or the ones who have no serious interest, those who partake of the hobby for hobby sake.

Specialist clubs are formed to serve those interested in one phase of DXing, or in a few instances, to serve those interested in perhaps two phases. Such clubs certainly do have a place in the hobby and they definitely are needed. The major of these today are those strictly for MW/BCB and/or for SWBC enthusiasts; The NRC, IRCA and the ASWLC. More recently the CDXC has pointed to a specialization encompassing phases of both the ARO and the MW/BCB. It has done so mainly due the fact its members show more interest and give more support to these phases. It is thus a justifiable and worthy move. Another example is the ACRC which specializes in SA/LA SWBC, but also covers TV/FM. All these clubs have their place in the DXing hobby...depending on the interests, wants and the tastes of the many hundreds pursuing the hobby. They can succeed (NRC has proven this!) and they will succeed moreso providing their members lend support. Not only is this true in their regard, but also in regard to each/every club, specialist or general.

One being, NASA is considered to be in the generalistic category along with such as AMRC and others; But it cannot be said it will remain so indefinitely because, regardless of what many think, the members have the "say" as to what will result futurewise. Only continued support of all present sections will warrant NASA's remaining as it has been, a general DX club. Should members show want and interest in our following the trend to an era of specialization, that is the course we will take.

...Bill Eddings

NORTH AMERICAN SHORTWAVE ASSOCIATION



FRENDX is the official publication of the North American Shortwave Association. It is not copyrighted. There are no subscriptions; Only sincere and active, in good standing members are entitled to receive copies by application/joining the organization and paying required fee(\$3.00 per year to residents of N.America, \$4.50 per year to all others). This and all editions are made possible through the combined cooperation, support and interest of the club officers, editorial staff and reporting members.

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Our Motto: "Unity & Friendship"

Good will, like a good name, is won by many acts...and lost by one. And while always striving for perfection, this is still a very human world. Thus, should you perchance find fault, either with the contents herein, or with our aims, please be so good as to let us know. Thank you!

The North American Shortwave Association
is in affiliation with
The Association of North American Radio Clubs

BULLETIN QRM!

Many times things dont go as planned. Such was seemingly the case last month when Hdq used the new 6x9 envelopes for mailing the September edition of Friendx. Usage of these was done for twofold purpose...to save time here at Hdq in preparing/ mailing...to have bulletins reach members in better condx. We did not anticipate involved/added delay! Third-class mail has always been slow in most instances, and it now appears it can be even slower, depending on outside container/cover. What we cant understand is that a number of members on WCNA recvd their bulletins more promptly than many on ECNA, even though all were posted at the same time. Seems modern as the USPO system is, it still has "bugs". Point is, 99% of bulletin arrival/delivery QRM is not the fault of Hdq!!! Many members cannot/do not seem to understand this and have written unnice letters, a few even quite "snotty"; In such instance they are told the facts and given choice of two solutions...they can drop membership/request refund, or they can remit one dollar extra and have bulletins sent via first-class mail. What irks the staff at Hdq most is that most of the members writting unappreciably are those who do not/have not been supporting the club nor reporting to any bulletin sections. ALL clubs have this catagory of members! Like tis sed "it takes all kinds".

Hdq has taken this QRM factor seriously for a long time and as you know all members are given the opportunity to submit an extra dollar to have bulletins sent first-class.... Few members have done so! Thus, what the NASA BOD is now considering is an increase in membership fee for all members, to allow all bulletins being sent first-class. It will cost 25¢ to mail the average of our bulletins via this mode! Whereas it only cost 8-10¢ via thirdclass. The only other solution would be to lower number or pages in Friendx, limit each sections space, or omit certain section(s) altogether. In general, it is ened best we increase membership fee, and has been offered in proposal to our BOD. So voice your opinion, write one of your BOD members; Louie Stober, 7305 S.W. Beveland, Figard, Oregon 97223; Don Jensen, 1832 Ridge Drive, Racine, Wisconsin 53406; William Strait, 405 North Main Street, Lancaster, South Carolina 29720. DO NOT WRITE HDQ!!!

FRENCH REPRESENTATIVE

We are pleased to announce that member, Paul Bassiri, 3 Kaufman Ave., Dover, N.J. is hereby appointed as NASA official French representative and will handle all matters and business pretaining to French/France in connection with our hobby. It would be requested that when writting Paul on such, all members be so kind as to enclose SASE or return postage. Merci beaucoup!

ATTENTION SWBCers!

SWL Publication logging forms may be had by ordering from Gilfer Associates, Box 239, Park Ridge, N.J. Price is \$1.89 per 100.* When ordering, ask for SWL logging forms, be sure to write/print your return address plainly! *in NA, postpaid.

ATTENTION BCBers!

The Jones Log, now published by Howard Sans and Co., "North American Radio-TV Guide" may be had for \$2.00 sent to Vane A Jones, 6710 Hampton Dr., Indianapolis, Ind. 46226. *****

FUN-CAP CONTEST

Write a caption, win a transistor rx



"Take down the flag Lou, we're in luck, our friends of Radio Wewak are back there. Dig the QSL they gave ne." (E. Coulouras)

"Yep, the sets in my boots, antennas in a tree back there, and when you tweak my nose you get Radio Caroline." (D. Benson)

"Hey Sam, The Hammarlund DXpedition of the month is back there. Call is 2BOOT." (J. Page)

"Gus, I told you that box we found marked NASA didnt stand for North American Short-Wave Assn!" (Don McKenzie)

OCTOBER BIRTHDAYS: Greetings and 73 to the following members celebrating birthdays this month; Clarence Green, Peter Glenn, Bill Sparks, Charles McGeorge, Ira Stoler, Debbie Wygal, Ken Brown, Stan Gordon, Don Stock, Bert Pestor, Bob Kuznicki, Danny Douglas. We at Hdq wish you a real heppy day and many more to come! Fun, luck and success all ways.

AROUND THE CLUB WORLD

The ACRC is now issuing a compact bulletin done by lithograph(offset) process. Membership fee has been increased to help cover new/added expenditures involved.

The WIDXA now announces it will accept new members from all parts of the world. DXers in NA wishing to join may do so by sending \$3.00 membership fee to: Margaret Hinkson, WIDXA, 21 Richmond Street, Port of Spain, Trinidad & Tobago, West Indies.

The CDXC bulletin will henceforth feature sections devoted to MW, ARO and FM-TV. It will also have station lists and misc bits. This new format is in line with the CDXC's becoming a "specialist" club.

The DXI is now using the stencil/mimeograph method of printing bulletins which cover DXing in general, plus added features each month. September edition was 50 pages.

The BSDXC (Bay State DX Club) a newcomer, and solely for SWLs/DXers in Mass. only, is in process of being formed jointly by Phil Zucchi and Ernie Zecchini. Further info may be had by writing either above OM at the following respective QTHs: Box 443, Manonet Mass., 15 Bruce Street, Lawrence, Mass.

The WMRC announces its 1965-66 WDXC sked under new management. Members of NASA, CDXC and ASWLC are eligible to enter. Contests include all major DX bands. Interested DXers wanting complete info should write to: WDXC Manager, 1758 Branham Lane, San Jose, Calif. Return postage or SASE appreciated.

The ILSC (International League of Signal Chasers) is a new club mainly devoted to cardswappers, pempals and tapesponders. For info/data, write: ILSC, P.O. Box 476, Morgan Hill, California 95037.

The CIDXC invites NASA members to partake of BCB contest to be held Nov. 19-21. Rules and info may be had by writing to: Ambrose Maxim, 23 Lanber St., Winthrop, Maine.

"Say you saw it : Frendx!"

MEMBER OF THE MONTH

Though it is not realized by most, there are ways a member can support the club and hobby aside from submitting regular rept's each month. Working "behind the scenes", doing favors, promoting our motto, making new friends and introducing them to the hobby, helping the club by serving on one of the committee's...are a few such ways. In these and in others, our member of the month this October 1965, stands out. Paul Bassiri is French by birth; His English is not perfect, but it need not be. Those who have come to know him regard him mostly for his amicableness and heart, his want of being a good citizen, and his efforts to bring better understanding/cooperation between SWLs/DXers in his native France and those in the USA. Recently Paul has, with the aid/support of the QSL mgr of the REF (French ARRL!) made arrangements for lists of F-SWLs to be contained in Frendx cardswap section; And although this may be taken lightly, considered unimportant by various members, it nonetheless perhaps is a "stepping stone" leading to better relations in future. (We cannot overlook/deny the fact that certain top DXers of today began in the hobby as cardswappers or were introduced to the hobby via sed phase) Thus it is that we are pleased to salute ami Paul as our way of thanking him for his sincere efforts. Clubs and the hobby need such followers as he...a tout propos!

VIEWPOINTS

"Let's keep it clean..no controversy! Let those who suggest controversy be reminded that NASA is an association, not an organization. The two are not synonymous (the non-believers should look it up in their dictionary!) Members shouldnt be gagged or hog-tied, but should speak their piece, yet only after careful consideration/determination that his comments are constructive to the whole of the hobby, rather than as mere build-up of ego. Let not Frendx become a "soap-box", keep it as it is, a medium of exchange of information and relative experiences of members."

NASAer-Clarence E. Wahl

NEW
MEMBERS

WELCOME

NEW
MEMBERS

Peter VanderMeulen, Granville, Michigan. "I am 14 years old and have been SWLing for only a short time, have but 2 QSLs so far. My rx is a Knight StarRoamer and I use a 50' longwire antenna. I DX on SWBC and ARO bands, am interested in contests, awards, cardswapping (after I get my WPE) and model rocketry. NASA is my first club and I hrd of it via friend/member Rich Wright."

Harry S. Leon, WPE6FRY, San Diego, California. "Graduated from Belmont, Mass. high in '25, USNaval Academy in '31, commissioned USMarine Corps '31, retired as Colonel in '55. Spent most of service career as communications officer. Age 57, married. At the present time my set up consists of a Navy RBO, Knight StarRoamer and Heath GR64. Antennae are SWL-7 and 40' inverted L. Other gear is Heath Q multiplier and Haeth xtal calibrator.. DX interests are on BCB and SWBC. Other of my interests include model ships and planes, and photography. Am member of NNRC, IRCA, ASWLC; Heard of NASA via recent edition of Electronics Illustrated magazine."

A.W.Crittenden, Detroit, Michigan. "Am a retired accountant and just recently become interested in radio hobby. I use a Zenith Royal 3000 TransOceanic rx, prefer to listen to the BCB and SWBC bands. Am interested in awards and contests. Read about NASA in Radio-TV Experimenter magazine."

Robert Beloise, Johnstown, Pennsylvania. "Over the past year I have been trying to decide what club to join and after getting sample bulletins from all known clubs, finally picked NASA. I am 24, single and out of the Army since last year. Vocation is YMCA connected. Shack gear includes HQ180AC and HQ100AC. Eico tape recorder; I have two Mosely SWL-7 antennas, one E/W, one N/S. Present DX interest is in SWBC only and I have 43 QSLs. First heard of NASA some months ago via fellow YMCA member."

Wallace T. Dick, Patriot, Indiana. "Interested in SW, I have a Zenith Royal 1000 and DX SWBC, ARO and utility bands. Age is 30, single, am a foundry worker by trade. Just getting started in QSLs and thus have none yet. My non-radio hobby is fishing. NASA is my first club and I heard about it in Radio-TV Experimenter."

Jacques Parmantier, REF1100, St. Denis, France. "A member of REF and IARC, I join NASA after having heard of it, primarily, via ami/member Paul Bassiri. My rx is HRO Collins, and I employ a ground plane antenna. I am an ARO DXer, have over 300 QSLs to date and am intereted in awards."

Mark Hosmer, WPE9HPM, Carmel, Indiana. "Age here is 14 and I have been DXing for about a year; I prefer SWBC* My rx is a Monarch HOM-1 and I use a 35' indoor longwire.*Also do some BCB listening. Have 35 QSLs so far, am interested in awards, contests, cardswapping, stamp collecting and electronics. I belong to NNRC and RCSWC, joined NASA via WPE3BWL. Am known as The Hoosier DXer:"

Donald Herbert, WPE3GGZ, Philadelphia, Pennsylvania. "Am married, aged 26 and enjoy listening to SW/BCB. Have 19 countries and 19 states veried thus far. My gear is a Knight StarRoamer and my antenna is a 100' longwire. Interests include contests and awards, cardswaps, fishing and hunting. Am member of NNRC and RNYWW-SWLC. First heard of NASA via member Francis George."

Joe Madara, WPE3GNM/3, Selbyville, Delaware. "Heard about NASA via Larry Marshall. I am 18 and a barber apprentice, single, attending Vocational Tech Center. Set up here is a Knight StarRoamer and an AirChief, also have a CB rig. Antennas 70' coax and a Super Magnum. My DXing is done on BCB and SWBC bands. Interests are cardswpas, coins, cars, photography, contests, awards, sports and tape recording(am not a tapesponder, but am willing to learn!). Am an ex-member of a few clubs that are now QRT."

Kenneth Dilling, Williamsburg, Pennsylvania. "Just getting into SWLing. Read of NASA in RTVE. Am 16 and in highschool. Rx is an HE80, antenna a longwire. Hope to learn via Friends and get some QSLs, make some DX friends. I like to listen to SWBC "

New Member WELCOME, cont'd....

Gary Wallin, Marcus, Iowa. "Am 17 and have been interested in SWLing for a long time but began actively only six months ago. I use a Hallicrafters S120, DX SWBC and BCB. My antenna is a 75' longwire; Other gear is a Heath Q-multiplier. Interests include contests, awards, also coin collecting. I am a senior in highschool. First learned abt NASA via Popular Electronics magazine."

Dan Moll/WPE8ITX, Upper Sandusky, Ohio. "I am 15 years old and have been active in the hobby since April of this year. My rx is a Knight StarRoamer; Antenna a 92' longwire. I like to DX on BCB and SWBC and Hambands. Am interested in awards, contests, football and coin collecting, also cardswapping. Am a member of NNRC, first read about NASA in 1965 edition of Popular Electronics Communication Handbook."

Louis J. Rivera/WBX2LJR, New York, N.Y. "I just started in SWLing and enjoy it very much. Am 25, single, attending NYCC and work parttime as advertising designer. My rx is a Hallicrafters S38E; I use a 60' V shape antenna. Other gear is a Sonar-G xmtr/rx and a groundplane antenna. Am interested in cardswaps, contests, awards, sailing and fishing, penpals, and since I hope to become a ham, I mostly DX ARO bands. First heard of NASA from a vry good friend/member Luis Molina."

Danny Douglas/ET3PELA/W5, Canyon, Texas. "Am 24 years old, single and attend West Texas State University, also work as insurance investigator. Have been an SWL since 1960, but only seriously active since 1962 when stationed in Ethiopia. Gear here consists of Hallicrafters S40B, Globe Chief xmtr, TruTone Tape recorder; Antennae are a dipole, a folded dipole and an inverted L. Presntly working for general class ticket, hope to take test soon. Interested in awards, contests, stamp collecting, bowling. Am a member of EIDX. First read about NASA in "Guide to SW Radio".

June Birtley/VE3PE2GJ, Toronto, Ontario. "I am just staring in the hobby and thus am interested in all aspects. I listen to BCB and SWBC on a Nordmende transistor rx which has a built-in antenna. Other gear is a tape recorder. I am interested in tapepals, penpals, awards, contests, knitting and reading. Am wondering if there are many YLs in the hobby...seems to be all OM. NASA is my first club and I hrd of it de Bob Minker."

Gene Tascione/WPE3FPK, Philadelphia, Penna. "New in the hobby, I am 42, work for the PRR and am married. Set up here is a Zenith TransOceanic and a Blaupunkt Santos. For antenna I use a 100' inverted L. DXing is done on all bands. Am interested in awards, contests, cardswaps, penpals, hunting and fishing. Am member of RYNSWC. Joined NASA after first hearing abt it from good friend/member Don Herbert."

John H. Jones, Elyria, Ohio. "Am 59 and a retired water plant operator. Disabled, I spend most of my time in bed. New to the hobby, my present set up consists of a T939 transistor rx w/AM-FM-SW and I have a longwire rigged to it. Mainly interested in DXing SWBC, also in contests and awards. Read about NASA in E.I."

Gary Wilburn Jr./WPE8IFT, Cincinnati, Ohio. "Age ehre is 14 and I am in 9th grade. I like to DX SWBC and ARO bands. Rx is a Zenith and a StarRoamer; Antenna is a 100' longwire. Other gear is an RCA tape recorder and a novice xmtr. Have 76 QSLs to date, 30 countries verified. Most prized is HL9KW and VLX9. Am interested in contests, awards, stamp collecting. Belong to RCSWC and RPDXC. Hrd of NASA via Dick Jenneman."

Victor R. Gonzalez/WBX2VRG, Bronx, New York. "Am a CBer interested in SWBC, BCB and ARO DXing. Age is 38 and I am married. Am interested in awards, cardswaps, contests, hunting and fishing. My rx is a Hallicrafters. NASA recommended to me by Luis Molina."

Those joining after 25th of month will be listed in the next edition of bulletin!!!!

RENEWALS: Welcome back to Dorsey Wood for his fourth year; Jon Gentry, Ken Austin, Ted Templeton, Paul Gough, Al Herrington, for their third year; Charles McGeorge, Johnny D Mayo, Lee Fleury, thier second year; And Tim Brown who renewed for his second, and in advance for his third, showing his faith in the club. Good having you back gents!! We appreciate your past support and anticipate continued in future.

Special mention/thanks to Jon Gentry/England, who sent additional fee to be used for his sponsoring of a "yet to be named" member residing in Europe.

Special

Special

SKETCHES OF SOUTH AMERICAN RADIO

by Don Jensen

(Recently returned from tour)

Broadcasting in the Peruvian highlands is as different from that of the coastal cities such as Lima, as is night from day. Of course part of the difference is due the fact that metropolitan area surrounding the capital tends to be more cosmopolitan while the highlands are more rural in nature. Secondly, and perhaps importantly, programming in the Peruvian high country is definitely slanted to the predominantly Indian population.

Arriving in Cuzco, the oldest continuously occupied city in the western hemisphere, ancient capital of the Inca empire, 11,000 feet above sea level, the first facet of programming one notices is the heavy dose of Andean type music...that is the plaintive Indian melodies characterized by the sound of a local reed flute-like instrument. A curious note is that even singing commercials, popular in LA, reflect this influence. Commercials for such nationally advertised products as Inca Cola, Nescafe and Kiwi, while retaining the same lyrics as those heard on Lima stations, have different melodies with the Indian flavor when received on highland stations such as those in Cuzco and Puno.

Among the medium wave stations heard in Cuzco were Radio Cuzco, 1470kc, announcing as "la voz de la capital arqueologica de America"; Radio La Hora, 1400kc, "mil cuatrocientos kilociclos"; an unlisted outlet operating on about 1520kc; and transmitting from studios on Avenida Sol, Cuzco's main thoroughfare, Radios Erres, announcing as "la primera en la montana" and "capital de las Incas".

Avenida Sol was also the location of Radio Tawantinsuyo, 1200kc//6217kc. Located just 100 feet from my hotel, this station proved to be something of a shock to me, even though by this time I expected to find smaller SA stations operating in chaos. It is housed in a small, single-story green stucco building, reminding one very much of an old abandoned service station. Front door open to the street, only about four rooms were seen and each with a single light bulb for use at night. Equipment was extremely primitive and such things as soundproof studios are apparently unknown, with a fellow pounding on a workbench across the hall from the open room that served as a studio for broadcasting. It was surprising that the on-the-air results were as good as they were and almost unbelievable that a station as chaotically operated as this would ever reply/respond to a listener's report. However, while visiting a Brazilian DXer later, I did in fact see a verification letter from this station.

Perhaps one of the best stations noted in Cuzco was that operated by the University of Cuzco. Announcing variously as "Universidad, mil cinco cientos sesenta kilociclos" (1560kcs) or "Radio Universidad", this station featured both pop and classical music and public service announcements ("bulletinos meteorological"). The university is located right on Cuzco's main square, Plaza de Armas, on the corner of Avenida Sol. During the day, music and announcements blare out on the plaza from loudspeakers rebroadcasting the station's programs.

By incredibly slow trains and a fascinating lake steamer that plies Lake Titacaca, over two miles high, I traveled to Bolivia. Observations of the stations in LaPaz were much limited by my stay in the Bolivian capital. However, in a general sense, programming was much like that of the Peruvian highland outlets. Andean type music was heard in the main, though LaPaz stations had rock and roll too, often sung in Spanish. Radio El Condor had a telephone request show one evening with a pleasant-voiced announcer taking calls on the air, apparently from teenage girls. Also heard were a number of unlisted stations, most likely many of them "bootleg" unlicensed operations run by miners and labor unions in smaller cities outside the capital.

In contrast to Bolivia and Peru, Brazilian stations were a real pleasure to listen to; featuring much U.S. recordings such as by Billy May, etc., as well as the fluid and biting Brazilian rhythms and generally without the raucous commercials common in the

Cont'd....

Spanish speaking countries. Of course Brazil has more broadcasting stations than any other country in the world, so any comments must only be made in the broadest terms. Any generalization is sure to have a dozen exceptions; However I particularly liked the low-keyed programming of stations like Radio Guanabara, Radio Jornal do Brazil, Radio Tamoi and Radio Tupi, in the beautiful city of Rio de Janeiro. In huge Sao Paulo, five million people and growing at the rate of a new residence every eight minutes, and a completed commercial building every 27 minutes, much the same holds true, though in keeping with the much faster pace of the city, the programming heard is slightly more "up-tempo". Brazilian stations, while many are in smaller towns and cities, are marginal operations, seem more prosperous and better operated than in the other two countries I visited.

So after some 22 days south of the Equator, I boarded an Aerolinas Peruanas flight and began the long trip home. While I still don't feel I have found the answer to a problem bugging many listeners, myself included, "how to get a better verie return for Latin American reports", I felt I at least now have a better idea of broadcasting conditions in at least several of the South American countries. I hope perhaps now you do too!

ANARC REPORTE

According to latest newsletter from the Executive Secretary, current business before the representatives include such as voting on possible affiliation of the West Indian DX Association w/ANARC; Official decision as to whether plans should be made to hold a convention next summer. Reprs of all clubs have been ask to vote on both matters.

The Ethics Study Committee reports that a detailed questionnaire has gone out to some 3 experts in all phases of the hobby to determine opinions on various aspects of the ethics problem. Once answers are rcvd to the questions, they will be compiled in a rough draft and may very well serve as the beginning of a document that will set out practices that are considered proper and ethical.

The Manufacturers Liason Committee reports that Hallicrafters is apparently changing its policy and there will be more emphasis on SWL equipment. Info has been rcvd re the new S-200 rx which devotes individual bands to each of the following narrow SWBC ranges: 5900-6250, 9450-9800, 11650-12050 and 15050-15550kc, plus one band for BCB. This will provide excellent calibration on 49, 31, 25, and 19 meter bands where crowding is most acute. On the other hand, this being a relatively low-priced rx, it does not provide RF amplification.

Data on all ANARC affiliated clubs has been forwarded to World Radio-TV Handbook Ltd., at request of editor J.M.Frost; Hence clubs addresses should appear correctly in the upcoming 20th anniversary edition of WRTH due in December.

Names/addresses of ANARC reps: NASA- Doug Benson, 49 Washington St., Lakeport, New Hamp. 03246; Frank Peters, 820 W. 34th St., Chicago, Ill. 60608; ASWLC- C.M. Stanbury, Box 218, Crystal Beach, Ont., Canada; Bill Sparks, 901 Hearst Bldg., San Francisco, Calif. MRC- John Callarman, P.O. Box 1914, Pampa, Texas; Dick Cooper, P.O. Box 223, Kittanning, Pa. 16201; Ernie Cooper, 438 E. 21st St., Brooklyn, N.Y. 11226; IRCA- Bill Nittler, P.O. Box 5181 Tern. Anx., Denver, Colo. CLDXC- Fred Woodley, 160 Tecumseh Ave. East, London, Ont., Canada; Dave Bennett, 926 Diamond Rd., Richmond, B.C., Canada; CLDXC- Jim Radkiewicz, E46, 55sqn., Viny Barracks, Kingston, Ont., Canada; WNRC- Bill Shultz, 214 Rutherford Place, North Arlington, N.J.; Jim Hart, 617 Grove St., Irvington, N.J.; Hank Bennett, P.O. Box 333, Cherry Hill, N.J.; WMRC- Jerry Seckel, 782 S. James Rd., Columbus, Ohio; ACRC- Richard Wood, 207 E. 16th, Bloomington, Indiana; GLSWDXC- Eric Madson, 712 North 11th, Manitowoc, Wisconsin.

Use these addresses when writing to the representatives of your club. Take active interest and support the hobby via your club and ANARC. Write your club reps today!!!!!!

Doug Benson Editor 49 Washington Street Lakeport, N. Hampshire USA

All please note the new address. What with the new addition on his/her way, we needed the room. We're still in Laconia, though not now in the city proper.

News is a bit scanty this month..guess half our reporters are on their learned ways back to colleges and schools. We surely couldn't lose out to a finer cause, hi.

On the NASA Newsscene, Larry Bennett of Forest Hills sends these; If you've got an extra \$3 handy, you might invest in a copy of the Navy's latest book brainchild "A Practical Handbook for Location and Prevention of Radio Interference from Overhead Power Lines", number AD 612 190N. Order from the Clearinghouse, Dept. of Commerce, Springfield, Virginia. It nails the lid down on X Ray QRN, powerlines, motors, etall.

New Assoc. Formed for Two-Wayers A new national trade association has been formed to look after the interests of the rapidly growing number of users of two-way radio systems. It's NABER(Nat. Assoc. of Business and Educational Radio)Frank Bailey, president, says the group is being formed to represent the interests of all who hold such licenses under the business rules of the FCC.(Comm. News mag.)

Another..ANOTHER??...Oscar to go up this year (NASA's what-makes-Sammy-run dept. entry) While Oscar III is still the object of news and headlines, West Coast hams are all set to launch another one, Oscar IV, later this year. Project Headquarters this time around are at Foothill College, Los Altos Hills, California.(News item,C.N.)

WKBS Places million-dollar order WKBS, the new broadcasting outlet slated to be on the air a few weeks from the time you read this from Philadelphia, has ordered \$1,000,000 worth of transmitting and studio equipment from RCA. Operating on channel forty-eight, the new powerhouse will ERP 1,000,000 watts from an 1,100-foot tower to be erected outside the city. (C.N. mag.)We'll have to get a few reception reports from Bill E., Larry.)

NASA's Little-Known-Facts about Little-Known-Facts Dept. The U.S. Information Agency has released data showing that there are now some 514,500,000 radio sets in use throughout the world. Natch, we lead with 228,000,000 followed by Russia with 35,200,000. Japan has nearly as many as that, with Great Britian and West Germany claiming twenty-five and twenty million sets respectively. (CN)

First Annual IEEE Convention Held National Bureau of Standards' Boulder(Colorado)Laboratories and the University of Colorado were hosts to the first IEEE Annual Communications Convention this summer at Boulder, Colo. The convention covered all phases of communication and offered an exchange medium for ideas on theory, methods and measurments among several communications disciples.

All the above courtesy Larry. Thanks so much, Lar.DB

Telediagnoses Docors on the staff of Rostock University Clinic have been making diagnoses over hundreds of sea miles for years. They use the services of Radio Rugen on the Baltic Coast to establish contact with the patient. All GDR ships possess standard medical facilities, enabling the ranking officer to treat difficult cases. Shins of over 50 men carry a doctor.(Mike McElhatton) Thanks Mike!

Joe Fela, NASA Mediumwave Editor, finds time off from his other club duties to supply the Newsroom with these tidbits:

Tower on Sea to send data via falling stars A spindly 200-foot tower is going up atop a 10,000 foot mountain (a seamount) 275 miles off the Washington coast to bounce oceanographic and weather messages off the tails of falling stars. The "meteor burst communications system" (written up in Pop Tronics some months ago) was tested recently from a research vessel stationed at the tower site. Information was piped from the ship, the Brown Bear, to the receiving station at Issaquah, Washington, about 20 miles from Seattle, by bouncing radio signals off the tail of a "falling star", or meteor. The tails are composed of ionized particles left as the meteor burns through the earth's atmosphere. Boeing Corporation plans to build the tower next year, with sealed batteries supplying the power. The undersea peak, Cobb Seamount, is an extinct volcano believed to have once stood 3,000 feet high. Skin divers spent nine man-hours exploring the top of the mountain, which is some 150 feet below the surface. The University of Washington is cooperating in the experimentation with Boeing. (UPI)

Quickies from Joe; Britian has ordered virtually all crime shows cut between 8 and 9 at night...RIAS' program director says that that station, on the border of Communism, averages 30,000 letters a month with 2-to-3-thousand coming from East Germany. (AP Newswire)

New head for VOA The President last month announced the appointment of John Chancellor, nationally-known news correspondent for NBC, new director of the Voice of America. Chancellor is 38, and will succeed Donald Lunas, whose resignation was announced some time ago. (Ron Luyster, via UPI)

NASA's Laff-Of-The-Month "stars and Stripes" mag says its pentagon reporter has just received a release from North American Aviation stating that "The heart of the KU-band parametric amplifier will be a planar annular varactor microminiaturized diode making the millimeter wave region of the electronic spectrum usable". Sorta queers you on becoming a reporter, doesn't it? (Thanks to Ron Luyster, from the Pittsburgh Press)

Scandenavian DX Contest to be held All Dxers living in Belgium, Denmark Finland Luxembourg, Holland Norway and Sweden have been invited to participate in the Scandenavian DX Contest, which takes place at this writing. (SCDXers) Seems a moot point that such true "unity and friendship" exists over there, while here we're still troubled by much enmity between clubs etall. Couldn't we all take a lesson, though. DB

DX Alliasen producing programs over Finlands Radio Beginning 5 November the programs produced by this Swedish "alliance of clubs" will be heard in English entirely. Consult the "Shortwave Report" elsewhere in this bulletin for more information as to times and freqs. (SCDXers)

Changing country lists Our attention is called to the fact that on August 8th, Singapore left the Malyasian Fedcration and is now an independant state. You might check your country lists to see where (if at all) this change places your totals. DB Incidentally, DX Alliasen is offering a multi-colored DX Badge, awarded for QSLing 25, 50, 75 or 100 SWBC stations only. Send your lists and \$1.00 (in Int. Money Order) or 10 IRC's to DX Alliasen, Box 3108, Stockholm 3, Sweden. TELL THEM YOU SAW IT IN FRENDDX! Cooperation is the key to true understanding and conradery between nations and peoples. Untill next month, Good News.

Doug Benson

NASA

SHORTWAVE CENTER >>>

— SWBC —

Compiled at NASA Hdq

Deadline 20th of month

To those many of you writing in regard to the upcoming new editor for this section, and asking why it will no longer be done at hdq, thanks are extended and following explanation offered; NASA has grown most appreciably over the past months and this section in particular has become very worthily supported. Therefore, due the workload hdqs already has, and because yours truly feels he has not the time to devote to this section as is needed/warranted to aid it in becoming even more worthy, a new editor must be named/appointed. SWBCing is a phase of the DXing hobby that must/should, in as many ways as possible, be up-to-date, and as near to exactness (re freqs, times, news, etc) as can be. Such is not possible currently what with the other duties now being done at hdq. Time for checking out reports, doublechecking freqs, times, etc., keeping up with current news pertaining to SWBC, is a vital necessity for an SWBC ed. Currently this is not sufficient here at hdq. We dont even have time to do any amount of appreciable DXing whatsoever! Besides, though I have been an SWBCer for several years and have had success with QSLs, I feel I am not as "in the know" as certain of our other members who definately can/will do a far better job for NASA SW Center than I have done to date. And too, the naming/appointing of another as editor for this section will take away the somewhat "monotone" flavor, perhaps give it a more worldly one more beneficial to NASA proper. For these reasons then, in near future, this section will be under new editorship for, as we see it, the betterment of the club. Agn tnx to all who wrote on this matter; Your concern is proof that future sections will be all the more worthy and supported. B.E.

WHAT IS A QSL ??

The International SW Club maintains that a real QSL must contain such details as the frequency, time and date of reception. Of course it is the desire of every DXer to get these details included in the QSL text, but unfortunately it is seldom possible. When it comes to high-powered radio stations with directional transmissions to listeners abroad, we certianly have the right to expect 100% proper QSLs and should not be satisfied if the mentioned details are missing. But when it comes to advanced DXing of low-powered local radio stations, i.e., those in LA/SA, one must really be happy if anything at all is rcvd as a reply(QSL-verification) to a report. The experienced DXer surely will agree with this! In such cases it is satisfactory when the reply states merely that the report was correct. That means that we have a document with proof of reception of a station, and that is what a QSL is. If the station is known to reply rarely or unsatisfactorily, it should be enough when the letter(reply) expresses gratitude for the report. If adopting a less generous attitude/policy towards QSLs, it would mean many DXers would have to throw away numerous of their QSL collection. By less generous is meant not to encourage counting pennants, skeds and/or personal type letters as QSLs, however. (Per Allians News/SCDXers)

As added data re the above, the recent and current articles written by Don Jensen re certain stations/condx in SA, are most worthy of consideration. As he has reported, many stations there are small, inadequately staffed and operate on very tight budget. Many such stations therefore cannot afford QSL cards compared to various other of the larger stations. Some, due lack of help/staff, have not the time to return a complete detailed reply. All in all then, we would think that any reply from a station, be it a fancy QSL card completely filled out, or a mere picture postcard just stating the "tnx for your correct report", or a short note to same effect, be then considered as verification. How about you...what do you think? We'd like to have your opinions!

RECEPTION REPORTS #3

Third in series by Gerry Dexter, NASA/DXRA

BASICS PLUS ONE

Now that we've considered the rudiments of a good reception report, let's look at a few items that will help make such reports stand out.

If the station to which you are reporting uses more than one freq, an invaluable addition is to include readings on xmsns on these other freqs. This helps the station to determine which freqs are best at a given time.

Still more information of value can be given the station if you can take the time to give it readings on xmsns from other stations in the same area of the world, on the same band(s) at the same time.

From these observations, perhaps you will be able to give the station a few suggestions as to better times/freqs that will provide improved reception in your area. The station will be interested in such suggestions, particularly if your report covers NA xmsns. You might also mention whether band condx, at the time of your loggings, were average or poor, or above normal. Also whether the station is regularly heard or irregularly heard at your shack.

You could give the exact location of your QTH (longitude, latitude, height above sea-level, etc) as well as a description of your local area...especially if you consider such area to be good or bad from a DX standpoint.

A few other items which will help your report stand out, include the distance in miles or kilometers your QTH is from the station xnt; Also current sunspot count (which can be found in certain radio magazines as well as via xmsns from the SBC).

If the modulation of a station's signals is poor, comment on that, but in most cases, unless extreme, this is not necessary.

Also keep in mind the time changes and report in local times of station hrd. Many of countries of the world use different times during their summer season. (Consult WRTE.) Too, one of the things stations most like to know are your opinions/comments in regard to their programming; What did you like? What didn't you like? etc. They are also most always interested in knowing about you and your equipment. Comments/info/data of this type should be included on a separate sheet of paper from the technical aspects of your reception.

And show interest in the station/country....ask questions, perhaps about some aspect of life in the particular country. Mention your club membership(s) and offer to forward information received from the station to the editor(s) of your club bulletin(s). Every station, except perhaps the clandestines, enjoy publicity.

Next month we will deal with more refinements, other aids and types of reports that are outstanding and useful in bringing in those verifications.

(Correction!!! In last month's Reception Reports #2, part therein referring to 0000/2400 GMT should have read as follows: "Remember that 0000/2400 may be evening where you are, but it is already tomorrow GMT, thus you may have two dates to indicate." Error was on part of yours truly, not on part of Gerry Dexter. B.E.)

CUBAN CUTIE

Many DXers remember Tokyo Rose of WWII fame, how she used to broadcast anti-american propaganda to our troops in the Far East. So nowadays Castro has introduced the same gimmick to US Navy men stationed at Guantanamo Bay. Each night at 7pm EST (0000 GMT), a Cuban chick with a "sexy"-sultry voice comes on the air and plays U.S. pop records interspersed with anti-american diatribes. It is sad that many Cubans take advantage of this program as it gives them relief from the usual LA music/programming. (Newswk)



NEWS

SKEDS

TIPS

RWANDA: Deutsche Welle relay from Kigali hrd on 17760 w/ID in German, English and French at 2345, 0000 and 0015. Freq was annncd. This is possibly the new 250kw xmtr testing. Not hrd on other freqs at this time 15 IX. (Balbi)

GHANA: Another new 90m freq is 3240 where the External Serv. news in English has been hrd at 0600. It is about 2kc below Radio Abidjan. (Sparks)

BONAIRE: Altho Radio Nederland announces freq as 9590, P.D. was hrd w/sign on at 0130 on 9555. (Balbi)

HAITI: ~~WVLA~~ seems to have increased power. Hrd now on 11835 s/on at 1435 w/sign off around 0030. (Balbi) (See article on Haiti on another page!) A station believed to be in Haiti, ID unknown, has been hrd recently on 5910A w/classical mx and French announcements until about 0400. (Sparks)

SO. KOREA: Voice of Free Korea on 15125 was hrd 3 IX with special test program for the servicemen in So. Vietnam. Time was 0100. (Sparks)

SINGAPORE: The government station here now IDs simply as "Radio Singapore". A new freq is 5055A w/progs in English and commercials. Eng nx at 1400. (Sparks)

LEBANON: Radio Beirut has moved from 9710 to 9675 for its NA prog. Hrd at 0300 in Arabic and 0330 in Spanish. (Sparks)

TAIWAN: Voice of Free China w/Eng nx on new freq of 11725 at 1530. Is //9720. (Balbi)

REUNION: Sked direct from RTF, St. Denis lists 6020 and 3380 as freqs. From RTF, St. Pierre 2246 and 7245. Times of xmsn are 0200-1000 and 1600-1830. (Peters)

AUSTRIA: Sked for Austrian Radio xmsns to ECNA; 6155 from Deutsch Altenburg 2300-0400, 770 from Moosbrunn 2200-0200 (this xmtr will be off the air from 11 X to 13 XI), 6155 from Altenburg 2200-2300 Mon., Sat., Sun., and 9770 from Fleckendorf 0200-0400. (Pestor)

NEW GUINEA: Radio Rabaul, VL9BR, testing irregularly w/new 250kw on 2340 (SCDX) (WRB)

ECUADOR: HCJB on new freq to Scandinavia, 9645 and //6185 0530-0600. At 0600 prog is in German via 9745, 11915 and 6185. (Balbi)

SPAIN: RNE, Madrid on neq freq 9760 with Sp/Eng nx at 0200 and is //6130. (Balbi)

JAPAN: Radio Japan using new freq 9765 for xmsn to S.E. Asia at 1500. Is //9525 and 11780 also for this xmsn/time. (Balbi)

ETHIOPIA: ETLF has been testing on some new freqs. Hrd 0300 on 7165 w/Arabic prog but ID in Eng. At 0400 hrd on 9575 w/Eng prog. (Sparks)

BOLIVIA: Unidentified station in La Paz again being hrd on 5045 until around 0500. Sp newscast at 0400. (Sparks)

FINLAND: New sked of FBS, Eng xmsns. 6120 Fridays 2100-2200, Saturdays on 15185 1215-1315, Mondays 1600-1630 and Fridays 1600-1700 on 9555//11805//15185 (WRB)

NORWAY: According to sked, Radio Norway to NA beginning Nov. will be 0300-0430 on 9610//7240//6185. Underlined is new freq. (Balbi)

AUSTRALIA: Radio Australia now on 11840 to ECNA replacing 9580 1215-1315 (Balbi)

NETHERLANDS: Radio Nederland hrd on 21570A at 1250 w/Dutch. (Zucchi)

SP. GUINEA: Emisora de Radiodifusion de Santa Isabel on 6250 has Eng 1830-1900 (NZDXRA)

MALDIVE IS.: Sked; 0230-0430, 0930-1200 on 7450, 0500-0700, 1200-1700 on 3280, 0700-0930 on 9645. Programs consist of recordings w/half hour language changes. ID in Male is "Male Cineco Radio Atoltinara nombra 2-3" or in English "This is Radio Maldive Is. broadcasting from Male, the capital of the Maldive Islands". Other freqs given are 7250, 3305 and 9650. Male Sinico Radio, Male Island, 15kw, operates 0130-0400 on 7150, 0700-0930 on 9552, 1230-1730 on 3223.5. English nx is at 0300, 0900 and 1700. Other programs are in Japanese, Tamil, Hindi, Sinhalese and English. (NZDXRA)

DOMINICAN REP: SWBC stations and freqs; R. Santo Domingo (clandestine, freq varies) 3493; HJDY4, Radio Ir, 3945; La Voz de la OEA, 4965; HIFA, Radio San Isidro 6020; HIDB, Radio Libertad 6075; Radio Santo Domingo TV 6090 (but announces 5960); Radio Santo Domingo (clandestine, freq varies) 7522. (WIDXA)

FR. GUIANA: Radio Cayenne now signs on 6170 at 0913A w/guitar IS. (SCDXers)

(Apologies for upper part of this stencil which seem to have no "life" thus poor cut.)

AROUND THE SWBC WORLD NEWS

The Broadcasting Service of the Iraqi Republic has advanced the time for its English program. It may now be heard from 2030 to 2100 daily on 6030 and 6095. Reports are to be sent to: Chief Engineer of Radio Baghdad, Salihiya, Baghdad, Iraq. (NSB/Fela)

"Calling Radio Amateurs" a program of the latest DX info, is broadcast via Radio Bucharest at 0130, 0200, 0400 and 0430 every Sunday on 11910, 9833, 9540 and 7305. Other freqs of 7220 and 6234 are also used at times when station beams programs to WA. Reports go to: Dennis Herner, DX Editor, Brody Sandor U-57, Budapest VIII, Hungary.

Using two stations in parallel, Radio Algerienne may be hrd in English at 2300 evry day on 6080 and 6175. Tho both xmtrs are rated at 50kw, the former is best ECNA. As new season nears, this station may shift to other assigned freqs of 9685, 11810 or 11835. Requests for verification may be in English, French or Arabic and should go to: 21 Bd. des Martyrs, Algiers, Algeria. (Fela)

The Republic of Mongolia can now be logged on 9544 or 11850 via its station in Ulan Bator. English is hrd 2330-0030 Daily. Reports to: Radio Ulan Bator, Ulan Bator, P.R. of Mongolia. (NSB/Fela)

One of most recent countries to start SW broadcasting is the Maldive Islands site of a British Naval base, located southwest of the tip of India. The station has been hrd xmtg programs to Ceylon and India on 7450 at 1100 and at 0500. Tests on 9650 at 0700 and 0930 have also been noted. English and many southeast Asian dialects are used. All reception reports (solicited!) are to be mailed to: Maldive Islands Broadcasting Service, Maldive, Indian Ocean. (NSB/Fela)

Radio Iran, Teheran, is now using two new 100kw xmtrs for English programs daily de 2100-2130 on 15110 and 11730. This is the first time this station has used two xmtrs in parallel and reports are wanted re the comparative signal strength for each freq. Prompt verification is promised to those submitting detailed reports. Send to: Radio Iran, Maydane Ark, Teheran, Iran. (NSB/Fela)

Late sked from Radio Saigon, Voice of the Democratic Rep. of South Vietnam, lists English xmsns as follows: 0600-0630 and 1330-1400 and 0030-0100 on 9755. Reports go to: VTVN, Saigon, South Vietnam Rep.

Former Radio Cronos is now Radio Juventud, Barquisimeto; Call is YVNK. Freq is 4900. Complete IDs are given every $\frac{1}{2}$ hour..in Spanish. (Dexter)

Emissora Nacional, Lisbon testing on 6025 around 0510. Testing normal and each sideband transmission. Goes into regular prog at 0530. (Dexter)

The Commercial Service (but w/no ads!!) of Radio Ceylon can be hrd nightly on a freq of 15230 at 0230. Broadcast starts with prog of oldtime pop mx and is MC'd by OM with British accent. BBC news is given at 0300. (NSB/Fela)

Seldom heard Radio Uganda has English pr on 3340 from 2100-2200 s/off. Presently xmtr is rated as 5kw, but future plans are for increase to 7.5kw and to use 3 stations in parallel for all broadcasts. Your requests for verification go to: Ministry of Information, P.O.Box 142, Kampala, Uganda. (NSB/Fela)

A two and a half hour program of pop Portuguese music is hrd daily 2130-0000 on 4865 via CSA97, Ponte Delgado in the Azores. Prog is interrupted at times for news in Portuguese and relays from Radio Lisbon. Verification is by letter; Reports go to: Ave Gaspar Fructuoso, Ponte Delgado, S.Miguel, Azores. (NSB/Fela)

The Hashemite Kingdom of Jordan uses a 100kw xmtr on 9560 for its English program aired nightly, starting at 0215. Freq of 9530 is also used, if/when the stations monitors report QRM on former. Reports go to: P.O.Box 909, Amman, Jordan. (NSB/Fela)

All in French, R. du Tchad is on 4904 from 2000-2200. This station at Fort Lamy in Tchad Rep. has its own national anthem which it plays at s/off instead of "La Marsellaise". (NSB/Fela)

(Some stations request return postage, some dont; Be safe...send it to all stations!!)

U T I L I T I E S.....U T I L I T I E S

(Listed individually as received)

Joe Mauriello

0630	2198	Hess Diesel wrkg WOX, N.Y.	0720	2430	M/V Guthire wrkg Mobile
0640	2142	Twlr Courier wrkg New York	0730	2430	Tnkr Idaho Std wrkg Mobile
0642	2142	Atlantic Sinclair wrkg New York	0735	2126	Tnkr Guagapoue wrkg N.Y.
0710	4072	M/V Valley Transp.wrkg WGK	0745	2182	Texaco-III wrkg Freeport
0712	4072	M/V Voyager wrkg St. Louis	0750	2126	Tnkr WhiteRose wrkg N.Y.
0715	4072	LadyRoseMary wrkg St. Louis	0810	2738	ThomasFalcon w/radio chr
0718	2430	Tnkr Alaska wrkg WLO, Mobile	2100	2782	HarveyJordan wrkg Kingston

Gary Payne

0540	2182	SeaBreeze cllg Anacapa Is.LS	0443	5619	UA 835 cllg San Francisco
0345	2182	WAY w/wx report	0520	2182	Tug Darling cllg Astoria,Ore.
0347	2182	Prince Rupert MO w/wx rpt.	0540	2522	Cindy II cllg KCU
0437	5619	Kingston wrkg PA 569	0605	2182	Columbia wrkg USCG Vista
0440	5619	Panama calling Kingston	0632	4417	WWD cllg John F. Cobb
0441	5619	UA 835 cllg SanFrancisco	0637	5619	Mexico wrkg New Orleans

Ray Fansler

0000 9110A PZF91 Paramaribo, Surinam w/V marker on CW
 0010 10222A Empresa Nac. de Telecom w/V marker in Spanish.
 1440 17180A LOL, Buenos Aires, Argentina calling CQ on CW
 1450 17103A PCH93, Scheveningen, Netherlands calling CQ on CW
 1525 17170A OST, Ostend, Belgium w/V marker on CW
 1558 17255A OXZ, Lyngby, Denmark calling CQ on CW
 13392A Swiss TTA w/V marker on SSB
 9100A CUL, Lisbon, Portugal w/V marker on CW

il Zucchi

0000	4650A	Ottawa callg Halifax	1140	18600A	Hellenic Telecom, Athens test
0415	10450A	Paris w/SSB test in Fr/Eng	1155	6100A	C&A Kingston, Jamaica w/test
1240	10750A	C&A test de St.Georges	0030	9250A	Venezuelan gov. SSB test E/S

Debbie Wygal

0220 10500A AT&T White Plains, N.Y. w/test 0225 10400A AAE60 calling CQ
 1510 15750A Paris, France..French Telecom Service w/test xmsn in French and English

Mike McElhatton

0240 4520 DIZ w/time signal QTH for this station is: Deutsche Akademie der Wissenschaften zu Berlin Geodatisches Institut (Astronomie), Potsdam, GDR. They do not send QSL card, they sent me letter saying power is 5kw. (Many/most ute stations do not send cards Mike, but if you send them a prepared one they will sign and return. Best to send them SASE or IRC also as this helps assure you of QSL many times. Ed.)

AUSTRALIAN TIME SIGNAL STATION - VNG

Inaugurated on Sept. 21, 1964 by the Australian PostOffice, using xmtrs located at Lynhurst. At present two xmtrs modulate the same signals. Freq changes are made twice a day, 0830 and 2200 EAST in a pattern designed to allow for the different propagation condx between night and day, so achieving Australian wide coverage. Freqs used are 12005 and 7515 during daytime and 7515, 5425 at night. Xmt'd power being 10 and 1 kw respectively in each case. Half wave dipole antennae are used. The actual time signals consist of a short burst of tone commencing on each second of the minute. ID signal is the call VNG given orally during the first minute of each hour. The time signals are maintained to within 5 milliseconds of all other internationally co-ordinated time signals. Adjustments are made to the co-ordinated time signals to keep them within 100 liseconds of astronomically determined Universal Time. (WRB)

Anyone interested in a Point-to-Point Guide may write to NASA member Ray Fansler, RR3, Fairfield, Illinois 62837. Ray will be glad to QSP info via RCDXS. Be sure to send an SASE or stamp for reply! This guide gives freqs and QTHs, hints on reception reports and report forms in different langs...to be used for PTP purposes(not SWBC!) Tnx-73.

REPORTERS THIS MONTH

Gerry Dexter, Wisc.
 Carl Goodling, Penna.
 August Balbi, Calif.
 Gary Fredricks, Ore.
 Steve MacArthur, N.Y.
 Elias Coulouras, Mass.
 Bill Sparks, Calif.
 Leo Fleury, N.Y.
 Larry Bennett, N.Y.
 Bob Newhart, Sweden
 Bob Krasnoff, Penna.
 SCDXers

NZDXA

Mike McElhatton, Penna.
 Harry Leon, Calif.
 Bob Taylor, W.Va.
 Mike Lee, N.Y.
 Pete DeHart, Penna.
 Frank Peters, Ill.
 Ray Fansler, Ill.
 John Arthur, Calif.
 Andy Noznick, Ill.
 Debbie Wygal, Ky.
 Joe Mauriello, N.J.

WIDXA

Nick DiGiorgi, Conn.
 Bert Pector, Ont.
 Joe Fela, N.J.
 Peter Drew, Aust'lia
 Ed Brhel, N.Y.
 Dan Douglas, Tex.
 Marv Nelson, Ill.
 Phil Zucchi, Mass.
 Gary Payne, Calif.
 John Pirnat, Ohio
 Bob Hayes, APO

WRB

MSB

MISC NOTES AND QUOTES Frank Peters who not long ago sent a report to Pakanbaru and received prompt QSL is now a regular penpal with the station engineer Achmad Hutronhut, who sez he learned all he knows about radio from books. He also tells Frank that his WPE card is now in an album at station RRI, Pakanbaru.

Harry Leon who lives in a district where outside antenna's are prohibited states his is erected in the attic. He would like to hear from other of members who have same/similar condx and how to go about licking the problem.

John Pirnat tells us he received a picture postcard veris de Damascus saying "With best regards and wishes of General directorate of Broadcasting and TV, The Syrian Arab Republic." It was for a report of program hrd on 15165 and it was sent via registered mail. John wants to know if any other DXer has recvd better QSL. That is to say, more complete in info/data, etc.

Debbie Wygal, one of our new younger members sez "If you are like me and you have trouble understanding the technical aspects of radio, I would recommend the book "Understanding Radio" by Herbert M. Watson, George Eby and Herbert Welch. It is an excellent and easy to read guide to practical operation and theory. Is available at most public libraries."

Gerry Dexters' "City Counting" in last months bulletin was read with interest by many who sent comments. Among such were this de Gary Fredricks: "I read with interest the "City Counting" article and although I am not too qualified, would like to say that I think any method used to evaluate ones ability and progress in the hobby should not greatly give advantage to a DXer because of his location and/or specialty. Compared to the rest of the world, South America is "loaded" with cities that have SW stations. City Counting would thus tend to give a person who specializes in SA stations, or lives in certain areas, a great advantage."

Congrats to member/SWBer, Leo Fleury on being awarded the NASA "General" certificate for QSLing fifty different countries of the world!

August Balbi, "Dean of DXers" sez "TWR has been changing its freqs so much it is hard to keep track of them; Same goes for Ghana." He also is of opinion that "Radio Japan is one of best for ID; at s/cn gives complete info re freqs, times in GMT, name of service. Then it repeats same at 10 minutes after the hour and again 15 minutes after the hour in General Service. In additional, beamed xmsns give local time. These are things other SW stations should copy."

Sam Rowell, oldtimer/friend and FB DXer in Washington sends us a card telling he is on vacation in Oregon, thus no reports this month. Too, he sez his NC190 is in the shop for checkup. Needless to say his usual support/reports are noticably missed this month and we will hope to have him return next time after what we hope was an enjoyable journey on the Oregon Trail.

Thanks to all who reported this month...come agn next time too, eh? Till then DX/73.
 Bill Eddings

QSL REPORT

Not much listening lately, but QSLs in from Jordan, RBI, Radio Nederland, Israel, Radio Canada and two from New Zealand-ZL2 & ZL7 who also sent Kiwi tie pins and a unique tiki (C. Goodling)

"Two new QSLs to report this month; One from 4VEH after a month and the other from WIBS w/prog sked and other info." (S. McArthur)

"Only QSL this month was picture post-card from Radio Commercial de Angola/4775, with very little data on it." (B. Sparks)

"QSL facts from here: Jordan/9560 in 53 days, Finland/15185 in 28 days, Lebanon/9680 in 25 days, Turkey/15160 in 13 days, Afghanistan/4775 in 18 days and Senegal/5975 in 16 days. All cards." (E. Coulouras)

"Rcvd QSLs from Tchad/6165 after 14 months, 2 from ORU-Belgium/9615 and 11885 after 5 weeks, CLT-Luxembourg/6090 in 7 weeks and BCC/Voice of Free China after seven weeks and it had no info on it." (Leo Fleury)

"Only four QSLs to report this time: Radio Tahiti, card after a month; Amman, Jordan a card after almost two months; ORTF card w/no info, after a month; And Radio Pakistan by card after a month. It gave all info including power 10kw." (M. McElhatton)

"Just one QSL this month..a very nice air-mail card in ten days from Commercial Serv. of Radio Ceylon. I sent report to Bombay address." (R. Fansler)

"Data QSL-wise from here is as follows; Radio Commercial de Angola sent picture post-card in 5 months; ENBS, Nigeria sent form letter in 14 weeks; St. Denis, Reunion sent a form letter in three weeks; WINB came through w/card after 4 months; VOA-Dixon, Delano and Bethany cards in 4 months. From WRUL came a blue slip after four months saying I omitted freq, thus they couldnt QSL. Ah me!!!" (F. Peters)

"One card here this month, it was from VOA-Monrovia after 5 months. Also rcvd program ed from Radio South Africa. No word as to why they didnt QSL." (R. Warner)

"My latest QSLs are from Radio Canada in 2 months, Bonaire in 8 days, and letter from Ghana saying card is on the way." (F. DeHart)

"Card from RAE in eight months is only QSL info from here this time." (M. Lee)

"My first QSLs were rcvd this month and are from HCJB in three weeks, Deutsche Welle in four weeks and VOA-Greenville in four weeks. All were cards." (B. Taylor)

"QSL came from Radio Nederland. They also sent two tracks I requested (offered free on program I hrd/reported) re building a SW converter, and antenna." (H. Leon)

QSL CHATTER

"Sometime ago you mentioned my QTH (Labrador at the time) perhaps having much to do w/ QSL success here; You also aksed me to try for some of the more difficult to get QSLs. Well I tried Pakistan, Iran and Turkey along with various LA/SA stations I've been hearing; Found Pakistan coming through like a charm by QSLing, sending me 9 booklets on tourist info, plus a letter from M.G. Baig, Chief Engineer, plus a prog sked. None of the others named have replied in any way to date. Should mention I did get good response from Cairo after 5 months, Iraq in six months, (it also sent two beautiful metal souvenirs). Since my new QTH is New York, I'm wondering if things, QSL-wise, will be better or worse than when I was in Labrador. We'll see!" (Mike Lee/USAF)

"My favorite QSL is the one from Osterreichischer Rundfunk because I have never seen it listed as being hrd by others." (Pete Glenn) Pete, Osterreichischer Rundfunk more commonly/popularly known as Radio Austria and thus reported/listed as such by the many DXers hearing/reporting it. Gotta admit though, the Viennese/German name is much more "attractive" and makes it seen/sound rare. Ed.

"Though I am not interested in philately, I find some of the stamps on various QSLs rcvd to be most interesting and FB appreciated." (Carl Goodling) Righto Carl, many DXers are stamp collectors and utilize collecting QSLs as an added way to acquire stamps.

Some stations have been reported to have sent an assortment of mint stamps along with QSLs, just as others are known/reported to send pennants, etc. Depending on the station and also on the quality of report sent it, DXers are many times surprisingly rewarded with little extras included with QSLs. All in all, we might say that a little extra effort on part of DXers reporting will result many times in extra returns. Ed.



NASA SWEC SCOREBOARD

Reporter	HIC	VIC	Prized QSL
Don Jensen, Wisconsin	180	172	Radio Rarotonga
Frank Peters, Illinois	165	152	Pakabura, Sumatra
Bill Sparks, California	154	142	Dili, Timor
Peter Drew, Australia	134	100	CHNS
Bill Eddings, Pennsylvania	119	103	DZB2, Philippines
Leo Fleury, New York	113	76	Radio Vilnius
Ray Fansler, Illinois	110	64	ETLF, Ethiopia
Doug Benson, New Hampshire	99	94	Radio Togo
Ron Luyster, Ohio	94	16	Radio EurAfrica
Jim Howard, Missouri	87	72	Radio Reunion
Tin Davisson, Ohio	82	59	All India Radio
John Arthur, California	81	34	Radio Hargeisa
Bernie Koenig, Saskatchewan	80	74	Radio Ceylon
Gary Wilburn, Ohio	76	30	VIX9
Jim Gallucci, Oregon	75	41	Radio Brunei
Gary Fredricks, Oregon	72	45	Radio Brunei
John Pirnat, Ohio	64	45	Radio Abidjan
Bill Stevens, Pennsylvania	62	56	Radio Ceylon
Danny Douglas, Texas	61	44	Voice of Asnara
Don McKenzie, California	61	44	Voice of Vietnam
Elias Coulouras, Massachusetts	60	33	?
Phil Zucchi, Massachusetts	57	47	Radio Tirana
Mike Lee, New York	56	45	Radio Pakistan
Tin Hartmann, Missouri	53	32	New Zealand
Bob Krasnoff, Pennsylvania	53	17	?
Carl Goodling, Pennsylvania	50	39	New Zealand
Mike McElhatton, Pennsylvania	56	37	Radio Tahiti
Pete Glenn, New Jersey	43	34	Radio Austria
Steve McArthur, Pennsylvania	43	30	Radio Brazzaville
Rick Warner, Oregon	42	32	Port Moresby
Charles Gerran, New York	35	18	Annan, Jordan
Pete DeHart, Pennsylvania	35	7	Bonaire
Ed Brhel, New York	32	20	Radio Kiev
Jack Page, Mississippi	31	24	Kol Zion
Mike Scott, Quebec	28	25	DZF3, Philippines
Ted Templeton, Pennsylvania	26	25	?
Larry Bennett, New York	26	20	VOA
Norm LaMontagne, New York	26	13	Radio Iran
Debbie Wygal, Kentucky	27	3	HCJB
Bob Zobot, Virginia	17	11	Radio Portugal
Fred Adams, Indiana	?	16	Radio Somali
Harry Leon, California	12	6	VOA, Greenville
Bob Taylor, West Virginia	25	3	Deutsche Welle

QSL COMMENTS

"Being VOA-Greenville was the first station I hrd on SWBC, I pick it as my prized QSL." (H.Leon)... "Since my QSL from Deutsche Welle is the only one I have from overseas, I list it as my prized thus far." (B.Taylor)... "Radio Hargeisa was hrd/veried in 1960 when I lived in N.Y. QSL was a picture card via air-mail which listed power as lkw. Now a part of the Somali Rep., it was then a British Protectorate." (J.Arthur)... "Prized QSL is from TSR, Radio Vilnius, Lithuania because it took me over three months just to get ID of it." (L.Fleury)... "I have been trying to QSL Conakry for over a year and have sent nine written reports, all w/IRCs, and two tapes, also w/IRCs, but no response has ever come. Wonder if any other members have rcvd QSL from this station lately? If so, how did they report and in what length of time did QSL take? Anyone help w/this?" (R.Langley)

LOGGINGS

REPORTS



ALL GMT

- 0000 15135 Radio Japan w/Eng to ECNA //11780 (Pirnat) //11780 (Pestor)
 7265 Radio Tirana in Eng w/anti U.S. nx/commentary 0015. (McElhatton)
 3289 WBS w/BBC program 0015 (McElhatton)
 3315 Martinique w/mx and comedy in Fr 0030 (McElhatton)
 7125 Polskie Radio w/prog of classical mx 0035 (McElhatton)
 11785 AIR w/Eng nx 0030, s/off 0040 (Drew)
 6098 Radio Lumiers, Haiti w/anti-communist/religious prog in Fr (Peters)
 9700 Radio Sofia w/nx, mx, commentary (Wallin)(Nelson)
 9833 Radio Budapest w/"In the Press" prog 0030 (MacArthur)
 11835 CXA9, Radio El Espectador, Uruguay w/"Inform El Espectador"(Dexter)
 9745 RNB, Belgium in Fr 0030. QRM de HCJB (Balbi)
 11820 TWR, Bonaire w/Eng 0030 (Balbi)
 5985 Radio Commerce, Haiti w/Fr commentary (Zucchi)
 6140 RTB, Belgium in Fr 0035 (Zucchi)
 9700 Radio Sofia, Bulgaria w/prog of native mx 0050, s/off 0100 (MacArthur)
 15095 Radio Peking w/anti-U.S./USSR propaganda 0040 (Zucchi)
 15115 Radio Peking w/nx, commentary in Eng (Zucchi)(Pestor) Hrd 0040
 .100 9590 Bonaire relaying Radio Nederland prog of mx and talks 0150 (Leon)(Wallin)
 9630 RAI, Italy w/nx and mx. S/off 0120 (MacArthur)
 7200 Radio Belgrade s/on in lang after IS (Fansler)
 6215 Radio Periodico-Reloj, Costa Rica w/Sp prog, many IDs (Nelson) Arc you
 sure of the ID on this Marv? Ed.
 9765 AIR in Burmese (Drew)
 9710 Radio Beirut, Lebanon s/on in Fr 0030 (Drew)
 7250 Vatican Radio w/nx-commentary (McElhatton)
 9690 RAE, Argentina s/on 0120, prog of classical mx (McElhatton)
 11880 RBI, Berlin w/nx, commentary and mx (McElhatton)
 3335 YVQC-Ecos del Orinoco w/Sp ads, LA mx 0125 (McElhatton)
 3300 Radio Belize w/BBC prog of mx and nx 0135 (McElhatton)
 7345 Radio Prague in Eng //9795 (Brhel)
 9630 RAI, Italy w/IS and s/on 0130 (Scott) //11905 (Coulouras)
 9735 DMQ, Deutsche Welle w/"Evening Report" 0130 (DiGiorgi)
 3280 WBS at 0130 w/church service (Sunday).(DeHart)
 15125 Voice of Free Korea w/special xmsn to Korean servicemen in S.Vietnam in
 preparation for reg prog. (Sparks)
 14520 Radio Pyongyang w/Sp to LA. (Sparks)
 15220 Radio Australia in Eng w/mx, nx, talks (Coulouras)
 9535 Berne, Switzerland w/Eng //6120. Hrd 0115 (Coulouras)
 9545 Deutsche Welle in Eng w/ID and ARO nx 0140 (Douglas)
 0200 6180 Lisbon, Portugal w/ID and prog of mx 0240 (Douglas)
 6135 Radio Prague w/Listenres Club; Sp nx 0245 (DiGiorgi)
 6005 CFCX w/pop mx. IDs as CFCF and CFCX. 0245 (DiGiorgi)
 6130 Radio Warsaw to NA but is QRM'd 0255 (DiGiorgi)
 9755 ORTF, Paris w/ID and s/off 0215 (Scott)(McElhatton)
 11895 AIR w/Eng nx 0230 (Drew)
 5045 Unidentified Brazilian here w/s/off 0400 Mondays (Peters)
 9755 Radio Brazil Central Goiania in Port. Many IDs (Nelson)
 9690 LRA32, Argentina w/Sp progng 0230 (Nelson)
 15230 Radio Ceylon, Comm.Serv. frequently hrd from around 0230 (Fansler)

0200 15310 AIR w/Eng nx 0230-0245 then into lang. (Fansler)
 5188 OAX8F, Radio Atlantida, Peru w/mx and anmts 0230-0330 (Dexter)
 5905 4VB, Radio Commerce, Haiti w/continuous mx 0250-0320 then ID (Dexter)
 11885 Radio Pakistan w/Eng nx 0215. Weak w/QRM (Balbi)
 0300 9705 Radio Sweden w/Eng nx 0315. QRM'd by WRJL on same freq. (Balbi)
 7160 ETLF, Voice of the Gospel s/o 0330. Test? (Balbi)
 11885 AIR in lang //15130. ID 0345 (Balbi)
 3385 HIDA, Radio Hit Musical, Dom.Rep., w/ID 0353, anthem/s/off (Dexter)
 15125 VOFC, Seoul in Eng 0300-0330 (Fansler)(Fredricks)
 15345 VOFC, Taiwan w/Eng nx (Fansler)(Fredricks)
 15110 Wellington, New Zealand w/pop songs 0315-0330 (Fansler)
 7075 UAR, Cairo w/native mx (Fansler)
 9760A RNE, Spain w/Eng to NA. Freq unannounced (Nelson)
 11815 ZYW24, Brazil w/nx in Port 0330 (Nelson)
 9710 OAX9D, Radio Tropical, Peru in Sp w/LA mx (Nelson)
 5050 Radio Tanzania s/on w/chant and anthem. Nx at 0330 (Peters)
 15195 AIR s/on in Persian 0345 (Drew)
 3515 Radio Centro de Gualaceo, Ecuador in Sp w/ID (McElhatton)
 9360 RNE, Spain w/mx and Sp (Noznick)
 17860 Radio Australia w/talk about beer from Tasmania. 0315 (DiGiorgi)
 4990 Radio Barquisimeto, Venezuela w/LA mx, ID 0330 (Payne)
 5910A Unidentifed in Fr w/LA mx (probably Haiti)and classical mx (Sparks)
 9675 Beirut, Lebanon now here from 9710 for NA prog. Arabic 0300, then to
 Spanish at 0330 (Sparks)
 7165 ETLF, Ethiopia w/special test xmsn in Arabic, Eng ID (Sparks)
 15095 Radio Peking w/nx and commentary in Eng. (Fredricks)
 15220 Radio Australia w/mx progng //17840 (Fredricks)
 15280 Radio New Zealand w/soccer match (Fredricks)
 0400 11825 Radio Papeete, Tahiti w/island mx, ID in lang 0440 (Douglas)
 9535 Berne, Switzerland s/on in Eng w/ID 0415 (Douglas)
 6050 Radio National, Peru w/Sp ID and nx 0420 (Douglas)
 9833 Radio Budapest w/Eng nx commentary 0450 (Douglas)
 5045 Unidentified station in La Paz, Bolivia w/Sp nx 0400 and LA mx. This
 same station hrd last winter. (Sparks)
 5010 Radio Eco, OAX8V w/LA pop mx and Sp ID. s/off 0458 (Sparks)
 4855 HJGT, Radio Heiva w/LA mx. s/off 0457 (Sparks)
 17844 AIR w/Eng nx re India-Pakistan war. 0430 (Sparks)
 3380 St.Denis, Reunion hrd this time occasionally mixing w/Halawi (Peters)
 7302 Radio Libertad, La Voz anti-Comunista de America w/political talks
 and mx. Usual IDs and QTHs in Miami, Caracas. 0445-0510 (Dexter)
 7255 VOA Liberia on new freq w/Eng (Balbi)
 4923 Radio Quito, "La Voz de la Capital" w/Sp mx and s/off 0430(Zucchi)(Lee)
 (Douglas) S/off was whistling tune "Indian Love Call" (Zucchi)
 9600 Radio Balmaceda, Chile w/Sp (Zucchi)
 0500 6145 Deutsche Welle to WCNA w/Eng nx 0535, //0735 (Balbi)
 6185 HCJB now here for reg Swedish prog (Balbi)
 17865 Radio Damascus, Syria w/Arabic to N.Africa (Drew)
 6090 Radio Luxembourg w/religious prog in Ger. 0510 (McElhatton)
 15400 Radio Nederland w/Dutch folk mx 0530 (DiGiorgi)
 5960 HJGT, Voz de Bogata w/LA mx and Sp ID (Sparks)
 6190 OAX4G, Radio Lima w/LA mx (Sparks)
 9533A OAX4J, Radio La Cronica now on new freq and has strong sig (Sparks)
 0600 5975 Radio Benegal in Fr w/mx prog (Coulouras)(Payne)
 15170 Radio Free Europe in Czech, badly jammed (Drew)
 17805 Austrian Radio, Vienna in Ger w/mx 0655 (Drew)
 9545 Radio Ghana in Eng 0645 (Drew)
 9590 VOA Liberia on new freq w/Eng nx and Brakfast Show. (Balbi)
 9760 Ghana B.S. 0630 in Eng. s/off 0645 (Balbi)

00 6185 Quito-HCJB now using this freq. for foreign lang prog at 0630; Is back on regular 6050 at 0700. (Sparks)
 4910 Conakry hrd on this freq w/morning exercises then Eng lang lesson 0615. Was //6155. (Sparks)
 4783 Radio Mali w/Eng lang lesson. //4835. 0615 (Sparks)
 6025 Luanda w/sign on at 0600. QRM from Lisbon (Sparks)
 3240 Radio Ghana w/Eng nx. Abidjan about 2kc above. (Sparks)
 0700 9545 Ghana B.S. w/Eng. Hrd irr. (Balbi)
 15255 Radio Free Europe w/Czech. Jammed. (Drew)
 9715 Radio Nederland w/Eng to Pacific (Drew)
 5970 CBC, Montreal w/Eng to NA, SA and Europe (Bennett)
 0800 15135 Radio Japan w/Eng and Swedish to Europe (Newhart)
 15230 Radio Prague w/Eng talk on educational systems (Newhart)(Brhel)
 17890 AIR with English news (Drew)
 9634 Radio Singapore in Chinese (Drew)
 15225 Berne, Switzerland s/on w/Eng to Africa (Drew)
 17715 AIR s/on 0845 in Indonesian (Drew)
 0900 7450 Maldives Island B.C. 0915 w/talk and nx. s/off 0936 (Douglas)
 7210 AFRTS, Taiwan ID, Call English (Balbi)
 9605 VOA Honolulu w/Eng nx //11755 (Balbi)
 15440 FEBC, Manila w/Eng nx. Seems up from 15435 (Drew)
 9690 DZMB w/Eng at 0930 (Drew)
 1000 7160 DUH9, Philippines w/German lesson (Drew)
 3335 VL9CD, Radio Wewak w/Pidgin and Eng (Drew)
 15395 VOA, Philippines s/on in Eng. Jammed (Drew)
 4960 YVQA, Radio Sucre in Sp. Hrd 1030. Weak (Drew)
 9505 Radio Japan in Eng followed by Japanese (Pestor)
 9535 Radio Japan IS then into Chinese 1045 to Asia (Pestor)
 6075 Voice of Germany in Eng to NA w/Newbeat 1045. //9605 (Pestor)
 5075 Radio Sutatenza, Columbia w/Sp ID and mx 1035 (Douglas)
 4990 YVMQ, Radio Barquismo w/ID in Sp and LA mx 1028 (Douglas)
 4970 YVLE, Radio Rumbos w/ID (including QTH) in Sp and LA mx (Douglas)
 9615 Radio Peking in Russian w/ID, talk //7050 (Balbi)
 1100 7110 Radio Brasilia w/Port ID and mx 1106 (Douglas)
 5970 CBC daily Northern Service in Eng (Pestor)
 9505 Radio Japan from Japanese into 15 minute Eng. Gen. Service (Pestor)
 4920 ABC, Brisbane w/ABC nx, then dance mx (Pestor)
 9500 Radio Peking IS then into European lang (Pestor)
 7220 Radio Australia w/Eng ID 1130 then into Mandarin prog/mx (Pestor)
 6005 CFCF w/religious prog at 1130 (Pestor)
 11835 4VEH, Haiti w/religious talk & mx. VOA nx 1200 (Pestor)
 7580 Pyongyang, N. Korea in Korean/Japanese? (Drew)
 9695 WRUL s/on in Spanish (Drew)
 9654 HSK, Thailand s/on in Thai. Home Service (Drew)
 5870A HRNL, Honduras in Sp at 1140 (Drew) Anyone confirm?
 11680 TWR, Bonaire w/religious prog 1135 (McElhatton)
 9685 VOFC, Taiwan w/Dragon Show 1130-1200 (Hayes)
 9605 Radio Athens, Greece with native mx 1140 (Newhart)
 1200 15245 RTF w/news in Greek at 1217 (Newhart)
 5050 Radio Singapore w/rock n roll nx 1245 (Fredricks)
 9255A Radio Australia w/horse race and nx 1230 (DeHart)
 5970 Radio Canada w/Listeners Corner 1235 (DiGiorgi)
 9580 Radio Australia w/prog of music 1230. Nx 1300 (Wallin)
 6000 Radio Americas w/Sp "Esta Es Radio Americas" 1230 (Zucchi)
 21570A Radio Nederland in Dutch. New freq. 1250 (Zucchi)
 6165 XEWW, Mexico in Sp. Good sigs (Drew)
 11790 WRUL w/Breakfast in NY. Daily. //15155 (Pestor)
 9710 OAX9D, Radio Tropical, Peru w/Sp ID and mx 1215 (Douglas)

- 1300 9515 XEWW, Mexico w/Sp ID, mx and commercials (Douglas)
 11672 Radio Pakistan w/Eng to Mid East (Drew)
 6135 Radio El Patio, Honduras w/pop mx (Peters)
 15110 Radio New Zealand w/discussion re Vietnam 1353 (Noznick)
 15750 HCJB in Eng w/interviews by Jack Ross (DiGiorgi)
 5035 Radio Malaysia, Sarawak in Eng w/rock n roll mx "On the move" and EPC
 nx. 1300-1400 (Fredricks)
- 1400 9505 Radio Prague; Sunday xmsn in Swedish at this time all pop mx (Newhart)
 4985 Radio Malaysia, Malaya in Eng w/nx (Fredricks)
 5050 Radio Singapore //11940 w/Eng nx (Fredricks) Is comm.ser. (Sparks)(Balbi)
 4950 Radio Malaysia, Sarawak w/Eng nx de Kuala Lumpur, then classical mx. Hrd
 1400-1505 (Fredricks)
 4865 Radio Brunei w/mx prog "Anything goes". Not //5035 (Fredricks)
 4995 Radio Afghanistan in Eng (Coulouras)
 11915 Radio Sweden s/on 1445 w/Eng to A.Asia (Drew)
 4820 Radio Reunion on new freq. Hrd w/Fr 1450 (Drew)
 11940 Radio Malaysia (?) w/talks in Eng 1430 (Fansler) Singapore, Ray. Ed.
 15225 AIR in Eng w/Indian mx (Fansler)
 5035A Radio Malaysia, Sarawak w/nx in native lang (Sparks)
 9750A Radio Pyongyang, Eng nx. QRMd by hetrodyne (Sparks) 9745 (Balbi)
 5035 Radio Malaysia, Kuala Lumpur w/ID in lang. Formerly 5050 (Balbi)
 5040 Radio Pyongyang in lang. (Balbi)
 7300 Radio Malaysia w/Eng nx (Drew) Which Pete?
 9625 Radio Nederland s/on in Eng to S.Asia (Drew)
 15220 Radio Nederland s/on in Arabic 1430 (Drew)
 11915 Radio Sweden s/on in Eng to S.Asia 1445 (Drew)
- 1500 15190 AFRTS w/prog of pop mx (DiGiorgi)
 15435 SBC, Berne w/Eng mx and "Melody Train" (Firnart)
 9705 ETLF, Ethiopia in Eng w/listener letters 1545 (Peters)
 9765A Radio Japan w/Eng nx, mx. Weak (Wallin)
 15100A Radio Moscow in Eng w/South Asian service (MacArthur)
 9505 FEBC, Manila w/Eng nx 1530 (Sparks)
 15175 LLK, Radio Norway s/on in Eng and lang //9610, 11850 (Fansler)(Balbi)
 9725 VOFC, Taiwan w/Eng nx-commentary 1530 (Fansler)
 15240 Radio Belgrade IS, s/on in Eng 1530 (Fansler)(Brhel)
 6115 Lourenco Marques, Mozambique s/off in Port. 1530 (Drew)
 4790 Radio Malaysia w/native prog. Malaya? (Drew)
 6055 Radio Prague s/on in Serbo-Croat (Drew)(Brhel)
- 1600 6070 Radio Sofia s/on in Greek (Drew)
 2445 Radio Reunion in Fr //4820 and 6020 (Drew)
 7235 Radio Angola w/Port 1620, Eng 1700 (Drew)
 4780 Radio Djibouti w/mx and unknown lang (Drew)
 7225 Radio Bucharest s/on in Turkish 1630 (Drew) //7195
 4785 Dar-es-Salaam hrd w/Eng 1645. mx and ads (Drew)
 9515 Radio Malaysia, Kuala Lumpur in lang. s/o ID 1631 (Balbi)
 17845 Deutsche Welle in Eng to Africa w/nx 1615 (Balbi)
 15185 Radio Finland s/on in langs, continues in Finnish (Fansler)
 15165 Radio Damascus, Syria now s/on 1630 in Eng. (Drew)
 9515 XEWW, Mexico in Sp w/ID, mx and ads (Douglas)
- 1700 15180 TWR, Bonaire s/on w/test? xmsn // 15245 at 1730 (Zucchi)
 9770 Austrian Radio, Vienna w/classical mx 1720 (Noznick) //6155 (Drew)
 9560 Radio Japan, General Ser. w/Eng nx //9505 and 11815 (Balbi)
 11890 ETLF, Voice of the Gospel, Ethiopia s/on in Arabic (Balbi)
 15120 HVJ, Vatican City w/Arabic s/o (Balbi)
 4797 Radio Somali w/nx in native lang (Drew)
 3240 Radio Baghdad, Iraq in lang. Hrd 1740 (Drew)
 3232 Tananaarive w/Malgache at 1745 (Drew)
 7285 Radio Warsaw, Poland s/on in lang(Polish?) 1730 (Drew)

- 0 7122 Radio Mogadishu w/Eng nx (Drew)
 7265 Radio Tiana in lang(German?) (Drew)
 3331 Comores Island hrd w/Fr 1815 (Drew)
 4934 Nairobi, Kenya w/Swahili at 1825 (Drew)
 7105 Radio Nac. de Espania, Madrid in Sp 1825 (Drew)
 7125 Radio Warswa, Poland w/Eng nx 1830 (Drew) In Eng 6135,1845 (Brhel)
 4976 Kampala, Uganda w/mx and unknown lang 1830 (Drew)
 15130 ORTF, Paris w/Eng nx 1830 (Fansler) //11830 irr hrd (Balbi)
 11840 Radio Nac., Portugal w/Eng nx 1805 //15380 not audible (Balbi)
 17920 UAR, Cairo w/Eng (Balbi)(Brhel)
 15160 TAU, Turkey w/German 1830, French 1900, s/off 1930 (Balbi)
 11687 Radio Diamang, Angola w/pop mx. Bad QRM. (Peters)
 6005 CFCX, Montreal w/pop mx //CFCF on MW (DiGiorgi)
 15070A BBC. London with "Radio Newsreel" 1815 (Wygala)(Pestor)
 15200A Radio Free Europe in Rumanian (Zucchi)
 15190 ORTF, Brazzaville in Fr 1835 (Zucchi)
- 1900 9495 UAR, Cairo w/IS, then into native mx/talk (Pestor)
 9630A Radio Stanzia Rodina, USSR w/IS then dance mx, Ger songs 1930 (Pestor)
 9475 UAR, Cairo w/western mx, Fr nx 1945 (Pestor)
 9515 RTB, Belgium w/Fr nx, etc 1930 (Newhart)
 9505A Radio Prague w/"Here and there" in Czech 1915 (DiGiorgi)
 9515A Radio Ankara, Turkey s/on in unknown lang 1945 (Pirnat)
 15190 Radio Brazzaville, ORTF relay Eng nx 1915 (Pirnat)
 15130 WIBS s/on 1950 w/local nx, BBC nx 2000. New freq. (Balbi)
 3340 Kampala, Uganda in lang and w/nx //4976 (Drew)
 7155 Amman, Jordan in Arabic //800kc MW (Drew)
 9555 Radio Danascus, Syria w/Arabic progng (Drew)
 6055 SBC, Berne w/Eng prog 1930 (Drew)
 6120 Deutsche Welle s/on on Spanish 1920 (Drew)
- 2000 15090A Radio Iran, Tehran in Eng w/nx and nx (MacArthur) 15125 (Noznick)
 15165 Radio Nederland to Africa via Bonaire 2015 (Noznick)
 11745 UAR, Cairo w/native talk, mx (Nelson)
 9590 Radio Bucharest in Eng w/talks (Nelson)
 11915 UAR, Cairo in German to Europe 2030 (Zucchi)
 7145 "This is Warsaw Calling" Poland s/on in Eng 2030 (Zucchi)
 15160 ORTF, Paris with prog of concert nx (Pestor)
- 2100 9560 YSS, San Salvador in Sp w/ID and nx (Douglas)
 7290A Radio Free Europe in Polish 2110 (Zucchi)
 17890 HCJB in German to Europe //15115 (Wygala)
 13228 Measured freq. Possible Radio Euskari, La Voz de la Resistencia Vasca
 hrd from 2145 w/man and woman in Sp, 2159 mx, s/off 2201 (Dexter)
 7345 Radio Prague in Sp w/ID 2130 (DeHart)
 4870 Radio Dahomey in Fr w/ID and nx 2130 (Krasnoff)
 4915 Radio Ghana w/Eng nx and commentary //unlisted 4980A (Krasnoff)
 4940 Abidjan, Ivory Coast in Fr w/annts and mx (Krasnoff)
 4990 Nigerian BC, Lagos w/Eng ID 2130 (Krasnoff)
 9475 UAR, Cairo w/Eng nx 2145 (MacArthur)
 6185 Portugese Radio w/Eng to NA (Bennett)
 6000 Radio Americas, Swan Island w/severe QRM de Cuba (Bennett)
- 2200 15240 KGEI "Voice of Friendship" w/ID and nx 2215 (Noznick)
 4855 E.Nigerian B.C., Enugu w/Eng nx 2255, s/off 2300 (Krasnoff)
 15295 Deutsche Welle in Sp 2215 (Wallin) 2250 (Balbi)
- 2300 11735 R.T.Morocco in Arabic. s/off 2330 (Sparks)
 15390 FEBC, Manila s/on w/Eng nx 2330 (Sparks)
 5010 WIBS w/"Medley Time" then nx 2345 (MacArthur)
 5905 Radio Commerce, Haiti in Fr. Overmodulated sig. (Peters)
 9680 Radio Keiv in Eng de Ukraine 2330 (Zucchi)
 6015 Abidjan, Ivory Coast w/mx 2339, ID 2343 (Dexter)

U.S. ASKED TO QUASH RADIO PROGRAM!!

The President of Haiti, in a formal note of protest, has asked the U.S. government to silence an anti-Duvalier radio program shortwaved to the Caribbean from New York. Many Haitians who listen to the broadcast each morning believe the U.S. government is behind them. Duvalier himself blames Haitian exiles. His protest charges the daily program, which started in July, constitutes aggression against his government. Duvalier wrote that his regime does not allow similar anti-Yankee broadcasts to emanate from Haiti.

The station is Radio New York Worldwide-WRUL and is owned by the Church of Jesus Christ of Latter-Day Saints(Mormon).

The announcers speak in Creole, the Haitian patois, under sponsorship of the United Haitienne Internationale, an exile group headed by Paul Magloire, a former president of Haiti who was ousted the year before Duvalier came to power.

The controlled Haitian press has not mentioned the broadcasts nor Duvalier's protest note. Nevertheless, many Haitians listen and the program is a lively topic of conversation. The commentators describe Duvalier and Castro as Caribbean dictators. They speak of development projects and other programs to build Haiti, once Duvalier goes. Ralf Brent, president of WRUL, said the U.S. government is not involved in the broadcasts. He said bills, totalling over \$2500.00 a month, are paid by Magloire's group. (de the LA Times, via August Balbi)

CITIES IN USSR, OPERATING ON SWBC

as Compiled for DXRA by G.Dexter

Note: This list is based on info contained in WRTH and ITU. Differences in spelling, pinpointing locations, etc., may result in inaccuracies; However every attempt has been made to assure the list is accurate as possible. Though many cities listed operate on the lower bands, many of them do relay the regular Radio Moscow programs. It is quite surprising to note how few xmtrs are actually located in or near Moscow. The following is offered as a check list for heard and verified purposes.

Alma Ata	Khabarovak	Semipalatinsk
Anadyr	Konevo	Serpukhov
Andizhan	Krasnovodsk	Simferpel
Armavir	Kransoyarsk	Stanislav
Ashkhabad	Kursk	Starobelsk
Baku	Kzyl-orda	Sukhumi
Batumi	Lenningrad	Sverdlovsk
Blagoneschensk	Lvov	Syktyvkar
Chimkent	Magadan	Tallinn
Chita	Minsk	Tashkent
Dudinka	Mitchurinsk	Tbilisi
Dzhambul	Moscow	Tula
Erevan	Murmansk	Tyumen
Frunze	Nikolaievak	Ufn
Garm	Novosibirsk	Vinnitsa
Guryev	Nukus	Vladivostk
Gorki	Okhotsk	Vologda
Iamburg	Omsk	Volgograd
Irkutsk	Orenburg	Voronezh
Ivano-Frankovak	Orsha	
Kalatch	Palana	
Kalinin	Petropavlovsk	
Kounas	Petrozavodsk	
Kazan	Riga	
Kenga	Ryazan	