

# NORTH AMERICAN SHORTWAVE ASSOCIATION

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OFFICIAL BULLETIN

F R I E N D S

JANUARY 1965

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Headquarters-NASA 1503 Fifth Avenue A2 Altoona, Penna. 16602  
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And so we enter a new year. Too bad many of us will forget the benefits of the one now past and look to this new ahead.

We say we seek to improve and to progress; Yet, in ways, these be only excuses self-centered, especially when they be of mere mind, exclusive of good for/from heart.

The world of today is one of uneasiness, uncertainty; Even the clubs/hobby with which we are here concerned are engulfed.

If only the majority of us were to stop and think, we would be awakened to the fact that in the realm of the many clubs related to the hobby we engage in, there also is a world..a cross-section of men from every land. And were more of us, from these lands, willing to work together, give to better understanding of one the other, not only would our own little world attain more pleasure and happiness, but too, the all of the world around.

If we in a common hobby cannot live together; If we continually permit frictions to be instilled/prevail, we can but reach an end ungood. It will take a bit of heart from each the all of us if we are to reach an end rewarding. We must cast out the such as "better than thou" attitudes, give respect to one another, effort together as a team and strive to let the cup of our own little world overflow into that of this we enter another year.

To those of you which have been with NASA through the past year or years, you have seen us grow and, in ways, prosper. You are well aware we did not do so, could not have done so, without the support you have given, the faith you have shown, the heart you have offered. We have gone through times of strife and overcome many problems met, only because of members sincere. And so, were you yourself one of those who readily supported us, it is hoped you can look back with fond memory, look ahead with happy heart.

In days to come there will be changes...there always are. New members will enter in, old ones will depart. No doubt there will occasion to be replacements on the hdq staff; Problems will again occur and there will be more times of strife; In these respects then, the year entering will bring nothing new. Nothing that is, except opportunity for us to to continue as best we can to serve one another through the blessings entwined in "Unity & Friendship".

And so we enter a new year. Let us all resolve to make it a worthy one for everyone and let us hope that all clubs will follow/heed our motto and do so as sincerely as we in NASA do. Bill Eddings

HAPPY NEW YEAR!

FRENIX is the official publication of the North American Shortwave Association!!!!!!  
There are no subscriptions! Only sincere and active members are entitled to copies by application/joining the organization and paying required fee for membership.(\$3.00 a year to resident of North America; \$4.50 a year to all others.)  
This and all editions are made possible through the combined interest/cooperation of the club officers, editorial staff and supporting members.

FRENIX STAFF;

William P. Eddings  
Joseph Fela, Jr.  
Richard Little  
Alan Herrington  
Larry Marshall

BOARD OF DIRECTORS;

Donald Jensen  
Louie A. Stober

ANARC REPRESENTATIVES:

Douglas Benson  
Frank Peters

The North American Shortwave Association is a non-profit radio hobby organization and is unincorporated. Each/every of its members pledging to uphold the club motto of  
"UNITY AND FRIENDSHIP"

This publication is not copywrited. If there is good herein, we want to share it!

CLUB EMBLEMS

Although there has been some interest and response shown re the club emblems as were mentioned in last French, it has not yet been sufficient to warrant action. If they are to be made available, we must have at least 150 orders; This is the minimum that can be ordered. To date, only about 50 or so members have shown interest.

In case some of you didn't note mentioning last month, these emblems will be approximately 3" in diameter; Will be in gold lettering embroidered on royal blue, felt background. They are to be worn on jackets or sweaters, etc. Price each would be 69¢. Emblems are patterned exactly as/after our club stamps. They are well worth price!

At this time then, hdqs will accept orders for emblems, but keep in mind none can be delivered unless/until we receive a total of 150 orders. To expedite delivery, we ask everyone interested to order as soon as possible, remit by check or money-order (DO NOT SEND CASH!), clearly state your name and address and how many emblems you want. Remember price is 69¢ each. If, after reasonable time, enough orders are not received, those on hand will be returned. Orders should be sent to club hdqs.

CLASSIFIED

Wanted: Info/data on IBM 1401 and 360. Pse send to; Hector J. Pressa, Moreno 1326 -2P DTO A, Buenos Aires, Argentina.

Trade/Swap: Brand new Lafayette tube tester, model TE55; For transistor tape recorder or other shack equipment. Write to; Phil Flickinger, RD3, Rockwood, Pa.

Wanted: Communications type rx of the S38 or S120 class for use as standby. Also bak copies of EI mag and NNRC bulletins. Write to: Doug Benson, 502 Main St., Apt. 5, Laconia, N.Hampshire.

For Sale: National NC-121 rx. Excellent condx. Used vry little. Best offer takes! Write: WFE3BWL, 1503 5th Ave., Altoona, Pa.

Wanted: More regular reporters to the diff sections in French. Write to section eds.

Wanted: Pen pal in 11 to 15 year old age bracket. Kindly write to: Leif-Goran Carlsson, Box 349, Burtrask, Sweden.

For sale: Club rubber stamps. A good buy for 89¢ each ppd. Order from hdq.

BoD BYE BYE!

And so it goes....No sooner we get new OM named/positioned to Board of Directors (in this instance it is Lou Stober, replacing Lavoyd Kuney who resigned last month!).... We now receive word from John Arthur saying he must QRT due going into USAF. (Best o luck and success Johnnie...and may you fly high into the blue, knowing there are those in NASA ever remembering you! If you effort as worthily for Uncle Sam as you did for NASA...If you keep your flaps down and your jet streaming, you'll go far. Happy landings to you always OM!) Next month we hope to give name of new BoD'er.

CONGRATULATIONS!

Member Bill Strait was recently appointed to post of Affairs Coordinator SWL/CHC. Not is this just a credit to his hobby efforts, but also to his ability and his sincerity. The task ahead will require much of his time, will QRM his DXing, cause him to perhaps be less active reportwise, but so tis bound to happen...is expected by any OM who takes on such tasks. We of NASA are proud of Bill, not only due his being Top SWL/CHC'er in the World, or for his devoted interest in our club, his help and reports in French, the sincere friendship he has given, heart he has instilled in many new members; But more for his accepting the position named. Few OM are willing to do so! Few are qualified! Even of those who are, most decline; They prefer to pursue their own personal hobby interests rather than serve on a staff, give of their time (even money at times) for the benefit of brothers-in-club/hobby. This of course can be understood in ways, by some of us, but then if all OM were more concerned with themselves/their own interests, there would in fact be no clubs, no bulletins!.. And so Bill, we extend to you our sincere good wishes for luck, success in attaining all goals. Our only regret is that we didn't "grab" you before K6BX, who beat us to it. Jensen, Stober and you would have made a FB BoD's for ole NASA!

(NOTE: Anyone desiring information re SWL/CHC(Certificate Hunters Club) may write; Bill Strait, 405 North Main Street, Lancaster, South Carolina 29720. Mention NASA.)

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BE A TRUE NASAer, MAKE "UNITY AND FRIENDSHIP" THRIVE IN '65!!

And abide by the golden rule..."Do unto others as you would have them do unto you."

NEW  
MEMBERS



NEW  
MEMBERS

Vincent Hastie, 39 Norwood Street, Albion, Melbourne, Australia. Vince is our newest member from "down under". He is 26, just getting started in the hobby and is mainly interested in SWBC. His rx is a National T-100 and he employs a longwire antenna. To date, his best DX has been from South America. Other of his interests are hunting and fishing, collecting/earning certificates. Vocationally Vince is a storeman for a manufacturing firm. He comes to NASA via BoD member Lou Stober.

Jerry Florance/WPE2DB, 130 Keil Avenue, Butler, New Jersey. "Age here is 25, married and just out of the army two months. Occupation is lineman for local Power-Light Co. Am also active with Butler Fire Dept. Shack consists of an SX-99 and RME DB23 presel-ector. Antenna is a 100' longwire. DXing interests are in MW and SWBC. Have 300 QSL's so far, one from KNX-Los Angeles most prized. I am a cardswapper, also collect stamps, am interested in certificates." Heard about NASA de Ed Horacak.

John L. Lindgren, 3521 Idlewild Avenue, Napa, California. "I was born in Wisconsin, lived in Panama Canal Zone from 1940-55, have been in Napa since. I used to listen to shortwave while in Panama, but didnt really get interested until about a year ago. I listen to SWBC usually. I am 24, single. Receiver is a Lafayette KT-320 and I use a Mosley SWL-7 antenna. Am a Social Worker vocationally. Other of my interests include Hi-Fi and microscopy. First saw/read about NASA in WRTH."

Victor Veselka, Route 2 Box 300, Freeport, Texas. Vic is a native Texan who has lived on the Gulf Coast most of his life and where he now owns/operates a fishing camp. He is 53, is interested in SWBCing and uses a Lafayette HE-80 with longwire antenna. His other interests are photography and CB...latter being used in his business. He first heard about NASA in "S9" magazine.

Randy Hittle/WPE8SHS, P.O.Box 523, Defiance, Ohio. "I have been an SWL for about one year and BCber for about a month. Receiver is an Airline, model GTM-1230A. Antenna is an 82' longwire and am presently constructing a loop. Age is 15 and I am a freshman in highschool. Am interested in cardswapping, chemistry. Read about NASA in "S9".

Tom Archer/WPE3FUL, 6837 Chester Avenue, Philadelphia, Penna. "I am 15 and have been interested in radio since I was about 10. My rx is a Lafayette KT-320 and I use a 40' dipole anetnna. DYing is done on the SW\*Ham\*MW bands. I am a cardswapper and I collect stamps and coins. Dick Moore told ne about NASA."

Ira Stoler/WPE2LZG, 729 Avenue T, Brooklyn, New York. "I am 16 and a senior in high-school. Have been an SWL since Jan. '64 and listen to the amatuer bands and SWBC, also utilities occasionally. I have QSL'd 35 of the 71 countries hrd. Overall QSL total is 97, 36 being from same number of 47 states hrd. I use an S52 and a Knight StarRoamer in a setup for diversity reception. Antennas are 150' longwire and 20' vertical. Am member of EIDXG, RCSWC and ASWLC. Credit "S9" with my joining NASA. I am a cardswapper and am interested in certificates, also in electronics."

Don McKenzie/WPE6FUV, 4204 Ramsdell, La Crescenta, California. Coming to NASA via John Arthur and Don Chittenden, this OM is 18 and mainly interested in SWBC. Of the 70 QSL's rcvd to date, he lists best as being from Radio Brunei. His rx is an HE-40 with homebrew antenna tuner. Antenna is a 50' longwire N/S and 15' high. Don is interested in certificates, also in golf, mineral collecting and astronomy. Is an NPRO member.

Robert Lonn/WPE2HTY, 228 Market Street, Amsterdam, New York. "I am 17 and have been DXing for 3½ years. I listen to BCB, Hams, and SWBC. Other interests include hi-fi, TV DXing, building electronic equiptemnt and tapesponding.(anyone who wants to tape, please drop me a card first!) Tom Hummer told me about NASA."

Charles W. Johnson, 314 6 Street S.W., Charlottesville, Virginia. "Am a student in Business College, 20 and single. Rx is a Knight SpanMaster with 40' longwire antenna. Just getting started in SWBC, have 23 QSL's to date. Interested in cardswapping, also certifs and contests. Read about NASA in "S9" magazine." WPE applied for!

New Members contd...

James J. Howard/WPEQEW, 6204 East 109th Terrace, Kansas City, Missouri. Aged 24, single. Jim is an electric welder by trade. His gear consists of an SX99, Heathkit Q-multiplier and crystal calibrator. Antenna is a 100' longwire into Hygain SW-1 as tuner. His DXing preference is SWBC and he has 273 QSL's therefrom to date. Some of his most prized are those de Radio Reunion, VOA Marathon, Radio Demarara and Radio Tirana. Other of his interests are tapesponding and contests. He is a member of ASWLC II, BDKC, RPDXC, RCSWC. Louis E. Hart Jr. 2656 Idlewood Road. Cleveland Heights, Ohio. "Am just getting into SWLing and plan to also become a ham in near future. Since I was in the FarEast while with the U.S.Marines, I am especially interested in hearing stations from that area of the world. Age is 31, am single, work as construction foreman. Shack presently set up with only Knight StarRoamer and R-55, but I plan to add more as time permits. Antenna is a longwire. I am interested in QSL collecting, contests and cardswaps. Other of my interests are Judo and Karate. I read about NASA in S9 magazine."

RENEWALS

Continuing membership for another (third successive year), we heartily welcome back the following OM: Earle Fisher, Neal Gregory, Phli Flickinger and Larry Marshall.

NEW/CHANGED QTH's

SSgt. Nick N. Vrettos, Hq and Hq Btry., 7th Msl. Bn., 2nd Arty., APO 301, SanFrancisco California. Richard Little, 4720 Lafayette Avenue, Fort Worth, Texas. Douglas Benson, 502 Main Street, Laconia, New Hampshire. Earle Fisher, POBox 4261, No.Las Vegas, Nev.

SPECIAL GREETINGS

Super 73 to the following members who have birthdays this month...Tom Hummer, Larry Erwin. Lou Hart, Dick Zweier, Bill Greene, Harry Okey Jr., Skip McCabe, Leo Fleury, Fred Horney, Vic Veselka, Mike Rudberg, Randy Hittle, Dan Sheedy and John Pirnat.

YUK!YUK!YUK!

Member Phil Flickinger, who has 5 jr ops and another due to arrive soon, sez..."My XYL tells me I had better make a New Years resolution....no more harmonics....more reports to Frendx!"(Hi hi!)

TIS BOUND TO HAPPEN!

One OM cannot be expected to continually head a club! Eventually another will take his place; Its the democratic way!

Thus you be informed that your present executive, having been in office for near three years, will be replaced in not too distant future. Question is though...Who will accept the challenge? Who will be the one to front the task? Who is willing to take on the burden? Answers must be found for the good of NASA, and soon; For tis bound to happen...your present executive will away.

NASA was originated in the year 1961!!!!

THERE WAS A TIME!

Not many months back, NASA was rapidly approaching the 500 mark in memberships. Then all of a sudden something happened! Letters began coming into hdq; Members requested refunds. Reasons, for the most part, we not stated, but some were. Those that were, centered around the fact that these OM did not like the idea of a "get tough" policy (as mentioned in past edition of Frendx; re those members who never report). Others sed they were QRTing the hobby outrightly in favor of another, new hobby interest. Still others wanted out and sed they would not join any club unless/until such had become incorporated. A few left NASA in favor of other clubs that are strictly SWBC...some left because NASA is not solely amateur radio minded. One OM dropped out because, as he sed..."you are too slow in replying to mail". And so it goes!

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MANY MANY
THANKS!
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To everyone who sent Christmas cards
\* \* \* \* \*
to hdq. They were most sincerely rcvd.\*
\* All 387 of them!!! B.E.\*
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... Compiled at NASA Hdq's

United Nations, N.Y. The supposed "mortar shell" lobbed at the UN building in NYC the second week of December last may have been guided by shortwave. Police arrested a man in the lobby carrying a concealed pocket Class D CB transceiver. Of alleged Cuban descent, the suspect was seen in the General Assembly audience at the time of the abortive bombing attempt. (National Enquirer. Benson)

London, England. An American shortwave hobby enthusiast, figuring to avoid the tariff imposed on imported radio equipment, brought a foreign made receiver back with him to Boston. All went well until he plugged it into the wall outlet, only to discover that the set blew all the fuses. Seem's he forgot that only the "export" models are wired for 120 volt operation, and the circuit was severely overloaded. (Globe. Benson)

Tokyo, Japan. One of the biggest manufacturers of radio and TV equipment—Sony— has announced its latest electronic device...a portable home TV tape recorder to attach to your set. It will record and play back any program you wish. (The Press. Eddings)

Tokyo, Japan. Japans first amateur TV station has received government permission to begin broadcasting. The 22 member TV-Club includes students and professional men and operates a 50watt transmitter with a range of about three miles. The hobbyists broadcast on a frequency beyond the range of ordinary TV sets. (Associated Press.Jenneman)

Washington, D.C. More than 140,000 people own public stock in the Communications Satellite Corp. (COMSAT). More than half this number own 10 shares or less, an increase of 18,000 shareholders since August '64. The number of shareholders possessing 50 or less shares has dropped by about 3000 since that time. The total shareholding figure of 140,319 does not include an estimated 60,000 public stockholders who do not have shares listed in their own names. The stocks are held for them by securities firms or banks. COMSAT said more than 122,000 shares are foreign share certificates issued to aliens or alien entities. (United Press Int. Eddings)

Pittsburgh, Pa. An application of space age electronic principles used in missiles and weaponry is now applied to hunting. Telemetry, the radio transmission of information from a remote source, locates dogs in dense brush and high grass when they are on point and following them when they are moving and working birds. A transistorized 3oz transmitter on the dogs collar sends signals to a pocket-sized direction finder-receiver carried by the hunter. Two signals are transmitted, variable and steady. The first interprets the dogs movements...the second tells instantly when he stops and goes on point, even though the hunter may never see his dog from time he starts hunting until after birds are flushed. The dog is unaware of the transmission and needs no special training. Range of transmitters are up to one-half mile. (The Press. Eddings)

Bastrop, Louisiana. Wayne Priest, aged 8, may become the youngest word merchant on the U.S. or world airwaves. Station mgr-Bart Rainey of radio KVOB says "Wayne may goof a few words, but lots of people are following his program. He is not a prodigy, just an intelligent youngster. He's a riot!" Wayne, a third-grader, gives his major perform. on the morning show with the manager. Also sometimes stops by after school, reads spot announcements or takes a fling a reading headline news and spinning records. Too, he is now the co-MC on the Saturday morning childrens program. Sponsors are enthused and listeners like him. He's even got a one year contract with KVOB and Mr. Rainey says it is sure to be renewed. A full-time station, KVOB is on 1340kcs. (Star Ledger. Ffile)

Troy, New York. Recently, a woman here complained to her dentist that she was hearing Russian-type radio broadcasts and couldnt find the source. The dentist as much as ignored her. Two weeks later however, she returned to his office with a policeman, an attorney and an electronic engineer. It was found that, months before, the dentist had filled a cavity for her, with a silver-alloy filling which was now acting as a detector and that her body was acting as a radio antenna. When she closed her teeth, a minute electrical charge was xntd through the skull bones to the vibration prone inner-ear bones, and was eventually determined that WGeo, VOA's (now defunct) station in nearby Schenectady was beaming Russian-language programs aboard at the times she reported reception of the signals.(The Record Newspapers). Next time you visit your dentist, tell him you want a "toothistor" radio! (Benson)

ORDER FORM - NASA

Any members interested in copies of the MW and/or SWBC editions of the World Publications handbooks may order same from club hdq by filling in the following order form and submitting necessary fee(s) in check or money-order form. DO NOT SEND CASH!!!!!! The quoted prices include postage from Denmark. When ordering, remember to allow time for delivery as they will be sent via surface mail, direct from Denmark. Prices are offered at club discount. You may order as many copies of either edition you want. Orders must reach NASA hdq no later than January 31, '65. No orders will be accepted after this date! This offer will not be made again! Make checks/money-orders payable to North American SW Assn., enclose with this order form and mail to club hdq.

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Please send me the following:

\_\_\_\_\_ copies of 1965 MediumWave Handbook @ \$1.35 Total \$ \_\_\_\_\_

\_\_\_\_\_ copies of 1965 ShortWave Handbook @ \$2.55 Total \$ \_\_\_\_\_

Enclosed Total \$ \_\_\_\_\_

PRINT Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State/Prov. \_\_\_\_\_ ZIP \_\_\_\_\_

Date \_\_\_\_\_

Mail to North American SW Assn., 1503 Fifth Avenue A2, Altoona, Penna. 16602 U.S.A.

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MediumWave Handbook contains all MW/BCB stations of the world, including all Radio & TV stations in North America. Listings are complete and up-to-date. Data includes call letters, frequency, name/location and power of all stations.

SWBC Handbook contains all SW stations of the world. Gives frequency, call letters, name/location, power, ID and IS info, addresses, QSL data and other information of value/interest to the SWBC DXer. Also contains charts, maps.

Remember to allow time for delivery direct from Denmark. Also keep in mind that all orders must be received no later than January 31, '65. No orders accepted thereafter!

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This offer is made to you as a club service. No profit is made by the club. Regular prices are \$1.85 and \$3.50 respectively. Taking advantage of this club service will save you money. The handbooks will prove aids to your DXing interests. Order today!

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"UNITY AND FRIENDSHIP"

NASA ORDER FORM

As a club service, we offer, via World Publications - Denmark, availability of the "Broadcasting Identification Tape"(BIT) at club discount price. This offer is here contained for NASA members interested in SWBCing. Price includes postal charges from Denmark. Mailing will be via surface/sea mail (please allow sufficient time....approximately one month....for delivery!) Orders must be received at NASA hdqs no later than January 31, 1965. None will be accepted thereafter! Remit via check or money-order made payable to the North American SW Assn. Use order form below.

Details re the BIT: Something new for every citizen of the world who is interested in radio, and especially for the SWL's, the BIT has been created on request. Radio stations from all over the world, in all continents, have delivered the original material and recorded into perfect, crystal-clear sounds of station announcements, call and interval signals. Identification of the individual radio stations in the future is going to be just as easy as playing the tape.....A special grouping system permits a speedy reference....even while the unknown transmitter is on the air you will have solved the question of its identity....regardless of the language it is using. BIT has been created upon numerous requests from SWL's all over the world. Based on our experience from the almost 20 years we have published the World Radio/TV Handbook, we have been able to keep up with your problems, and we know perfectly well how difficult the ID of far away and strange stations can be. Perhaps you did not know the language used during the transmission. Or maybe you happen to know the language, but are not quite able/sure of the stations location.

In any case...whenever you are in doubt...BIT will be there to help you. An objective fast and sure aid. But even more than that. Regardless of your whereabouts, the BIT will mean a suggestive and interesting trip around the world to far away latitudes, from where you will hear voices, fanfares, and music....as clear as if they came from a radio station in your home town....without QRM, QRN, QSB, etc. Only a tape offers you durable reproduction without surface noise, or makes it possible for you to choose a certain signal without risk of damaging fragile grooves.

In your work with SWLing, in your hobby of DXing, you will be pleased to have the BIT. To your family too and the younger generation, the BIT will bring an even better understanding of how big, how versatile the population of this world is.

A few technical specifications: BIT can be played on any standard tape recorder, no matter the manufacturer or model. The speed is 9.5cm (3.75ips) and playing time is one hour. The tape is made of highest quality commercial Mylar...is recorded on dual track according to international standards. World Publications

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NASA makes this tape available to you at club discount price; The club itself does not make any profit whatsoever. Orders are assembled here at hdq and then forwarded to Denmark from where they are filled and sent direct to members ordering. Please remit correct fee(s)...order as many tapes as you wish, using order form below. Remember date of January 31st '65 is deadline, no orders accepted afterwards.

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Please send me the following:

\_\_\_\_ Recordings of "Broadcasting Identification Tape" @ \$5.10  
Use  
(DO NOT SEND CASH) Check/money-order Total Enclosed \$ \_\_\_\_\_

PRINT

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Prov \_\_\_\_\_

Compiled at Hdq. ----- All times GMT ----- Next deadline Jan. 20

DIFFERENTIATING!

I had a discussion via tape sometime back with a newcomer to the club/hobby. Seem's that he was rather confused as to the meaning of SWLing and DXing in regards to SWBC. First I had him know, as I will have you, that what I said (what I here state) was/is my own opinion and though similar/comparable to that of others, is not so that of all.

SWLing is self explanatory. It deals solely with Short Wave Listening. An SWL, one who monitors the shortwave bands, in this case those re SWBC-ShortWave Broad Cast stations, usually listens to (monitors) certain stations with strong-loud signals. Stations that are not difficult to hear unless conditions are not right. An SWL does not seek the low powered stations from far off lands intentionally. He may listen to only a certain few stations which he prefers over others. It may be that he likes the music heard on these, or that he is interested in the languages used, or the customs of the peoples in the country(s) where the broadcasts emanate. Basically an SWL listens to certain stations for one of two, perhaps both, reasons; I. Educational II. Entertainment.

DXing refers to distant listening. DX is generally considered to be stations from far off lands, which are low powered, and which cannot be heard readily, no matter conditions. A DXer primarily seeks out these weak, far off stations. He usually does not listen to any certain one more than a few times; In most cases only long enough to hear a broadcast long enough to get worthy/sufficient data so that he can send a reception report. For the most part, DXers are more interested in collecting QSL's than they are in educational or entertainment phases.

These are my opinions briefly stated. Much more could be said/written, but this above covers the main points. Any of you whom are of different opinions, I would be pleased to hear from you and perhaps give your remarks space in this section for all to read. And incidently, be you an SWL or a DXer, we would like to hear from all of you! B.E.

THANKS AGAIN!!

SPECIAL SERVICE

De those of you who heard the Christmas Eve broadcast of "DX JukeBox" over Radio Nederland, I am sure many thanks are extended the representatives of Radio Club of Sweden, New Zealand DX League and Benelux DX Club who joined with yours truly for NASA, in sending greetings to one the other and all members of all clubs throughout the world. We here were especially pleased that all the representatives stressed the wish/hope for peace and friendship. And so NASA again gives thanks to Radio Nederland for the opportunity to join with the other three named clubs in "Unity & Friendship".

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No further word has been received from Jim Vastenhoud of BDXC re the regular spot he offered us (NASA) on the DX portion of the "DX JukeBox" program. Presently then, the offer is still tentative. Any late word or development on this will be given coverage in this section of Friendx.

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Make "Unity and Friendship" thrive in '65!

Elsewhere in this edition of Friendx you will find an order form of interest to any member wanting copy(s) of the 1965 WRHB and or the B.I.T. tape, new this year. We are offering these, along with MW hndbk, to our members as a service and at the low club discount price. Not a penny profit is made by us. Contrary to other clubs, we consider these hndbks "aids" to DXers and therefore also to the club/hobby; Thus we make them available to those members who are interested, as a service. See order form for complete details. And please note the date specified as deadline! Orders are to be rcvd here at hdq BEFORE or no later!

NON-QSL INFO

Next month we will have the first part of the survey of non-verifying stations as compiled by the BDXC with cooperation from NASA and other clubs throughout the world. Advance info states that there are almost forty stations listed.

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SPOTLIGHT ON RADIO NEW YORK WORLDWIDE-WRUL

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by Joe Johnston, WPE3FDN

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Since January 1963, Radio New York Worldwide has been owned and operated by International Educational Broadcasting Corporation, a non-denominational enterprise of the Mormon Church. Founded on an experimental basis in 1933 as WLXAL, Radio New York began programming as the World Radio University in December 1934., disseminating educational courses on a regular basis. In 1939 the station became known as WRUL. Early in 1963 it adopted the name "Radio New York Worldwide", still the only station of its kind in The United States.

RNYWW operates five inter-connected SW transmitters on as many as fifteen frequencies and yet there are more than 3000 such frequencies in daily use the world over. Unlike most SWBC stations throughout the world who speak for the government, RNYWW speaks for itself. It is privately owned, independent; Is an international broadcasting station, a commercial radio service which offers time for private sponsorship.

The studios and offices are located in the new Worldwide Communications Center, in the heart of New York City. 144 hours of English and 42 hours of Spanish programs originate there weekly. Five powerful transmitters with eleven antennas, located in Scituate, Mass., broadcast these programs to Europe, Africa and Latin America, via SW frequencies between 5 and 22mcs.

News services are based on UPI, Reuters and other wire facilities, direct telephone reports, SW pickups around the world, and a group of foreign correspondents. In addition, RNYWW is the only international affiliate of the ABC radio network. It has its own broadcasting facilities at the United Nations headquarters.

A weekly DX program "DXing Worldwide" is broadcasted by RNYWW. It is a new type of DX program blending the old and new of such/like programs. "Each week we broadcast DX news of the SWBC bands and MWBC news. Also we have recordings of the latest DX catches and a relatively new type of contribution has just been instituted...tapes from other SWBC stations with recorded ID's and IS's...also short messages from personnel of such stations directed to DXing Worldwide listeners."

RNYWW welcomes letter and tapes from listeners from all countries, all clubs. Many times these are featured on various programs. Reception reports are confirmed w/QSL.

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KOREAN CENTRAL BROADCASTING STATION

Radio Pyongyang's near East and Middle East and African service can be heard twice a day from 1800 to 1900 GMT, or from 3 to 4 Korean time, on 39.5 and 47.4 meters.

Radio Pyongyang broadcasts a 1 hour prog to Latin America from 0300 to 0400 GMT on 20.6 and 30.8 meters.

Broadcasts to South East Asia are twice a day from 1000 to 1100 GMT and 1100 to 1200 GMT on 39.5 and 30.8 meters. (Taken from postcard-program sked received by member Frank Peters-Chicago.)

"TWENTY-FIVERS"

Most recent NASA SWBCers to earn awards are Jerry Florance and Walt Brady. Both of these OM received certificates for QSLing 25 different SWBC stations/countries. Our congrats to them and best wishes for continued good DXing.

B.E.

RADIO VOICE OF THE GOSPEL

Newest language to be added to ETLF, Addis Ababa, Ethiopia broadcasts is French. They will begin this year. Present broadcasts of the shortwave radio center here, beamed to Southern Asia, the Near East and most of Africa, are in Afrikaans, Amharic, Arabic, English, Hindi, Malagasy, Nyanja, Sinhalese, Sesoto, Swahili, Tamil, Persian and Zulu. French is second only to English among the languages most widely used in Africa. ETLF, on the air 14 hours daily, reaches 1,000,000,000 people. (T.Brown)

SWBC REPORT FORMS

Any NASA member who wants forms on which to list loggings to be submitted for upcoming SWBC sections, may send request for same, along with SASE and supply will be sent. Send requests to NASA Hdq. Dont forget the SASE!

B.E.

Denpasar-Bali, Indonesia QSL'd with card in 17days. Garoua, Cameroons w/card in 28days. (Peters)

WA, Guatemala sent attractive card in 2 months. (Lonn)  
card from Radio Presidente-Chile in 9 weeks. One from Radio Denmark after 2 months. (Stober)

QSL folder rcvd from Bonaire brings QSL totals to 59 of 81 countries heard. (Davisson)

Most recent QSL rcvd here is from TIQ-Radio Casino by letter and pennant after 10 months. (Sparks)

Accompanying QSL(folder) from Bonaire, for second report, was note saying they are receiving 300-500 reports per day, thus takes awhile for them to keep pace, reply. (Peters) Also: I sent a report to Dacca, East Pakistan and have rcvd a Radio Pakistan QSL card. The only way I can figure it as a QSL de Dacca is the return address as "office of the Regional Director of Radio Pakistan, Karachi". Can this be considered QSL de Dacca? For their overseas xmtrs, they use "office of External Director, Radio Pakistan". (Peters)

Latest QSL's here are from Radio Australia (anniversary card) after 2 months; Radio Austria in 8 days, and TWR-Bonaire in two months. (Davis) Would mention disgusting fact: Last month, in return for precise report and IRC's, Radio Portugal sent me a survey form to fill out. No word re verification of report. Excuse was they didnt know my "tastes" in radio. (Davis)

Recent QSL's here are from Bonaire, in 6 weeks; Radio Australia (anniversary card) in five weeks; DW-Germany (new card) in three weeks and RTF-France, for test on 11725, in three weeks. (Eddings)

A member of WRIC-South Africa rcvd 10 QSL cards from VOA on same day (all from diff stations). Another member sez he rcvd 13. But a member of BDXC-Holland, claims he has 105 VOA QSL's (though not all from diff stations). (BDXC)

New QSL from SBC-Berne, nice card after 8 weeks. From Radio Japan, special card in commemoration of 1964 Olympics plus calendar, fan and diary(has lots of ~~info~~ info). Balbi



???????

U N I D E N T I F I E D

???????

Unknown station on 6115A playing classical mx from 2030-2055. Woman anncr in what I think to be East European language. Then a buzz-saw jammer till about 2103 when more classical mx was played. Sign off at 2110. (Wilt)

Clandestine/UnID'd on 11780A, reported in October Friendx...according to my checkout, is Radio Ghana on 11800. (Davis)

Puzzle station I'd like to know about is on 15550 around 1615. Is in French and anncr sex something re testing. (Weaver) Could very well have been RTF; They are/were doing quite a bit of testing on many various/assorted freqs and were not always giving the usual ID. Tests are now sed to be completed (were somehow in conjunction with contest that RTF had going). Ed.

Unidentified Russian with Radio Moscow programming hrd 0500 on 4996. Could this be Magadan? (Peters) Could be Frank. Richard Woods-ACRC reports this station being hrd on this freq at 2300-0400 in Russian. Ed.

Who is the Arabic station on 9615? Signs on w/IS and anthem at 1500. (Peters)

Whats the unIDer hrd here at 1800 (sign off at 1830) on 15120A; Has commercials for Dairy Maid icecream. Announces freqs of 7245(7278?)/9525 and 151??. Could this be Radio South Afrika with commercial English service? (Stober)

Anyone know who station on 6025 at 1930 is with talk and(music similar to oriental type) but is Franch speaking? (Stober)

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It is still hoped and plans are still being made that we can soon offer something new and unique to SWBCers of NASA. Like anything worthy however, time is needed before full/complete success is attained. Presently we would again remind you to watch for..

————— NASA SWBC TARGET —————

TIME CONVERSION

\*

The following chart is here contained for information/help to the newer DXers who are not yet acquainted with time conversion. It should be pointed out that the 24 hour clock system is generally understood and accepted around the world. In this system, the hours from lam to llam are expressed as 0100 to 1100. Noon is referred to as 1200. From 1pm to 11pm are referred to as 1300 to 2300. Midnite 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, which is used and accepted by SWBC stations the world over. When sending reports to such stations, always use GMT...never use your local time! Same is also requested to be used when submitting reports to the SWBC sections of Frendx.

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

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pennants ----- PENNANTS ----- pennants

Continuing list of stations known/reported to send pennants to listeners who submit reception reports, we list the following through courtesy of DXRA. (It should be noted that some of these stations may not currently be issuing pennants!) (Dexter/Jensen)

BRAZIL

- Radio Guarani, Belo Horizonte
- Radio Aparecida, Aparecida
- Radio Clube de Goiania, Goiania
- Radiodifusora, Taubate, Sao Paulo
- Radio Gaucha, Porto Alegre

ECUADOR

- Emisora Gran Colombia, Quito
- Radio Tulcan, Tulcan
- La Voz del Valle, Portoviejo

COLOMBIA

- Radio Bucaramanga, Bucaramanga
- La Voz de Tolima, Ibaque
- Radio Nacional de Colombia, Bogota
- La Voz de Pereira, Pereira
- Emisora Sur America, Bogota

PERU

- Radio America, Lima
- Radio Eco, Iquitos
- Radio Atlantida, Iquitos



NEWS  
—  
TIPS  
—  
SKEDS

ANGOLA. New sked of Emissora Oficial de Angola. Portuguese; 0600-0900 (Sun 1000) 6025, 6195, 7235; 1000-1100 (Sunday only) 6025; 1100-1200 on 7235 and 9765; 1200-1710 on 6195, 7235 and 9765; 1710-1755 on 6195; 1800-0000 on 6025, 6195 and 7235. French; 1015-1055 on 6195 and 9700 repeated at 1115-1155 on 6195. English; 1715-1755 on 7235 and 9765.

Radio Commercial de Angola, also IDing as Radio Clube de Sul Angola, in Sa da Bandeira, is on 3980. Apparently signs on at 2000 and off at 2300. (SCDXers) Radio Diamang, at Dundo, Luanda-Angola. hrd on 11685 at 1800-1930. It must be a new xnter or channel! (RNYWW-DXWW)

CANADA. The Radio Canada SW Club program recently revealed that a fifteen minute supplement, to the club program, will be aired every other Fri. Proposed time was not mentioned. (Fronczak)

NEW CALEDONIA. Radio Noumea has not been hrd on 7170 since 24 Nov. Only on 3355 weak and irregular, 0700-1030. Unable to find them on any new freq. (Balbi)

NEW YORK. WRUL's "DYing WorldWide" will hold a special contest program on January 30 at 1900GMT on 9640, 11840, 17760 and 15440. Prizes will be awarded winners. Anyone who wants to enter the contest must write requesting entry form. ("DYing WorldWide" 4 West 58th Street, New York, New York)

SPAIN. According to the Director of Radio Nacional de Espana, Malaga, the old short-wave outlet on 6175 (still listed in various publications) has been off the air for 2 years now due to QRM from another station on same freq. It should be deleted from all lists! (Wood-ACRC) (QRM is most likely been that de RTF!)

BECHUANALAND. ZNB closes down in February, ZND shortly after. New station at Gaberones will have 1 and 10kw xnters on shortwave 3356, 4836, 5965 or 7298 with programs in Tswana and English about four hours a day. (SCDYers). "Letter from ZNB-Mafeking says they close down 30 Dec '64. WRH Bulletin sez not till Feb. '65" (Peters) Unless your letter is dated later than info rcvd/published by SCDXers and WRH Bulletin Frank, it seems the February closedown is correct. Give a listen after Dec.30th...see if ZNB is still on per old sked. If so or if not, somebody misinformed somebody. (Ed.)

SWITZERLAND. SBC has replaced 6105 with 6120 to N.A. Sign on is 0100 w/Eng nx at 0115. //9535. (Balbi) Is also on 6080 this time. (Fronczak)

SWEDEN. English xmsn to N.A. now on new freq of 15300 (from old 15240) from 1400-1430. (SCDXers, ACRC). Hrd here in Penna. and is much better than when on old freq! (Ed.)

HAWAII. WWVH has discontinued its propagation forecasts for Pacific area. WWV will continue forecasts for "general" use of all areas. (NBSRB - ACRC)

PHILIPPINES. Latest complete English sked of FEBC: Monday through Saturday; 2155-2330 on 15300, 17810. 2330-0030 on 11850, 15380, 17810. 0100-0200 on 15380. 0200-0300 on 9710, 11740, 15380, 17810. 0830-0900 on 9710, 11740, 15380, 17810. 0900-1200 on 15380, 17810. 1200-1330 on 15300. 1230-1400 on 9500. 1530-1630 on 9500. Sundays; 2155-2330 on 15300, 17810. 2330-0100 on 11850, 15380, 17810. 0100-0200 on 15380. 0200-0300 on 9710, 11740, 15380, 17810. 0300-0900 on 9710, 11740, 15380, 17810. 0900-1200 on 15380, 17810. 1200-1330 on 15300. 1230-1630 on 9500. (Fronczak)

VATICAN. Vatican Radio now on new freq of 5985. Hrd w/Eng at 0055. Is // old freqs of 7250/9640. (Ed.) Tnx to tip de ACRC which also sez this station (same freqs) has Sp. at 0030 and Fr. at 0110.

TANZANIA. Contrary to previous reports, Radio Tanganyika is hrd with English on 4785. Logged at 1650-1730. News at 1700. Also hrd with strong signals on 5050, signing on at 1900 with English news at 1905. (SCDXers)

HONG KONG. Radio Hong Kong on 3940 often hrd around 0945 in Chinese and a variety of music. Just below JOZ4 on 3945. (SCDXers-Sam Rowell)

NEPAL. Radio Nepal on 7105 heard with English news and Hindi at 0900. (SCDXers)

MALAYSIA. Radio Malaysia on checked freq of 11938. Hrd with ads in English (British accent) and music. English news at 0045. Logged 0000-0130. Also heard on 11900 from 2300-0000 but is weak, evidently is from another xnter. (Rowell)

MEXICO. Station whose ID seems to be XEMT (others say it is XEMC or XEMP) is heard on 11740 most of the day to at least 0200. All Spanish. (Rowell) It's XEMP Sam. Ed.

CONGO. Radio Leopoldville being heard again., on 11832. Logged 1900-2000 and 2100 on Saturday and Sunday. In French and with folk music. (Rowell)

# LOGGINGS + REPORTS



## ALL GMT

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0000 11800 Tenerife, Canary Islands s/on ID Radio Nacional Espana. Hrd irregularly. Is sked to 0300. (Balbi)

9760 Voice of Vietnam, Hanoi w/Eng program to 0030. (Sparks)

7110 Radio Prague s/on in language //7345. (Balbi)

9740 Radio Tirana hrd 0030-0055 in Albanian and mx. Often mentions Argentina and may possibly be beamed there. Radio Peking signs off at 0027 on 9480 and on again at 0100 for benefit of Tirana having clear freq. (Rowell)

3300 Radio Belize, British Honduras at 0035 w/mx. BBC nx at 0200. (Rowell)

3280 Windward Islands at 0055 w/mx. BBC nx at 0200. (Rowell)

9575 RAI, Rome to ECNA w/Eng nx 0030-0045. (Rowell)

9760 North Vietnam, Hanoi w/Eng nx for GI's in South Vietnam. (Balbi)

0100 6120\* SBC, Switzerland on this new freq replacing listed 6105//9535 to N.A. S/on w/Eng nx at 0115. (Balbi)

9615 RNE, Spain s/on to N.A. w/Eng nx. //6130. (Balbi)

9535 HER4, Berne, Switzerland w/Eng to N.A. Logged at 0120. (T. Brown)

9705 AIR, India has Eng nx 0100-0115. (Sparks)

9635 ZYR64, Brazil w/Portuguese ID and pop mx. (Sparks) (Note this freq, at this time, used by two diff stations...one hrd on WCNA, other in East)

9795 Radio Prague w/Eng to N.A. hrd at 0135 (Rowell) 0140 (Weaver)

9590 KGEI, San Francisco 0130-0430 w/religious prog in Eng. and Sp. (Rowell)

9480 Radio Peking s/on in English. (Rowell) (Stober)

9575 RAI, Italy w/French. S/off at 0110. (Stober)

5955 TGNA, Radio Cultural, Guatemala hrd at 0130 w/mx and Sp. anmts. (Lonn)

9520 Radio Denmark w/Eng nx to N.A. hrd at 0130 s/on. (Weaver)

0200 4900\* Radio Proclama de Bolivar, Ecuador hrd 0215-0230 w/mx, many ads/anmts in Sp. (Eddings) According to ACRC, this is new freq.

5053 Voz de Cali, Colombia w/Sp. ads and mx at 0230. (Peters)

4985 GP75, Bolivia w/religious prog in Eng. at 0230. S/off at 0300. (Peters)

3215 Mozambique w/Eng comm. service. Pop mx at 0240 (Sparks)

6045 ZYS33, Radio Clube Paranaesne, Brazil w/pop mx. S/off at 0245. (Sparks)

9525 Radio Japan //11780 0200-0400 w/Eng. and Jap. to Hawaii. (Rowell)

6020 Radio Kiev w/home service in Ukranian. (Note: It is understood that only freqs of 6020 and 4940 are xmt'd directly from Kiev; Others are relays from Moscow, Komsomolsk, etc.) (ACRC)

7088\* Radio Tirana with Italian programming. ID "Parla Tirana" (ACRC)

3368\* Radio Hit Musical, La Voz de la Libertad, Santiago-Dom. Rep., sked from 1045-0400 weekadys and 1300-0100 Sundays, listed as on 3385, is actually heard on \*. (SCDKers) Hrd on \* at 0215 w/L.A. mx (Eddings)

0300 9740 Pyongyang, North Korea s/on w/Eng nx. Hrd irregularly. Listed as being on 9752. (Balbi)

5990 Radio Sweden to WCNA w/Eng nx. S/off at 0345. (Balbi)

3215 Mozambique w/ID and commercials in Eng. (Balbi)

9755 RTF, France with French programming/ID at 0330. (Stober)

4945 Radio South Africa in English. (Stober)

4895 Radio Peking s/on w/anthem. (Stober)

4890 YVKB, Radio difusion Venezuela in Spanish. (Stober)

9515 XEWW, Mexico with Latin American music. (Stober)

6090 RAE, Argentina in Eng w/pop mx at 0330. (Stober)

11925 Seoul, Korea w/Eng ID at 0330. (Davisson)

0300 6200 4VHW, Radio Haiti w/classical music. S/off at 0355. (Sparks)  
5985 LRS2, Radio Splendid, Argentina in Spanish w/ID. (Sparks)  
6100 HCSP4, Ondas del Volante, Ecuador w/L.A. mx and ID in Sp.S/off 0500 (Sparks)  
3215 Mozambique in Portuguese at 0330. (Neumann-RNYWW/DXWW)

0400 4965 Radio Santa Fe, Bogota, Colombia w/L.A. mx and many-frequent ID's in Sp.  
Logged 0415-0430. (Eddings)  
3306 Gwelo, So.Rhodesia w/Eng nx. (Sparks) Rhodesia is now part of Zambia! (Ed.)  
6005 Paradys, So.Africa w/Afrikaans service. S/on at 0430. (Sparks)  
6155 Radio Baghdad, Iraq w/Arabic nx at 0400 after WRUL s/off. (Sparks)  
5065 La Voz de Anti-Communistas w/Hawaiian mx, Sp. nx at 0425. Mailing address  
for reports is given in Sp. and Eng. (Peters)  
7185 Radio Moscow with Eng nx to N.A. //9640 and 9740 for WCNA. (Rowell)  
11705 Radio Japan 0400-0430 w/General Service in Eng and Jap. (Rowell)  
9750 USSR-Siberian xmtrs (?) //9770 in Russian and mx. (Rowell)  
5040 Radio El Sol with L.A. mx and Sp. anmts 0410-0420. (Eddings)  
4820\* Radio la Oroya, Peru now on \* from 3250. S/off 0400. (SCDXers)

0500 7100 Radio Brazzaville w/Eng nx. S/off at 0515 w/RTF int.sig. (Peters)  
9505 Radio Santa Domingo TV w/International Service in Eng. Logged 0530-0557.  
In Eng and w/assorted light classical mx. S/off at 0557 w/ID-anthem. (Ed.)  
4994 Radio Omdurman, Sudan with native music/songs. (Peters)  
4972 Yaounde, Cameroons has Eng nx at 0515. (Sparks)  
4843 Radio Congo with French prog. (Sparks)  
3952 BBC w/Arabic prog. (Sparks)  
3975 BBC w/English programming. (Sparks)  
7155 Amman, Jordan w/Arabic. Is Home Service relay. (Sparks)  
6055 JOZ2, Tokyo, Japan in Japanese. QRM'd by side channel VOA. (Stober)  
6065 XEXG, Mexico in Spanish. QRM'd by Cuba. (Stober)  
6125 United Nations Radio //9590. In French, 0530; English 0545. (Stober)

,600 9680A DW, Germany signs on at 0610 w/African Service. ID and nx given in African  
lingo, then African mx at 0620. (Eddings)  
9540 Radio New Zealand //11780 w/Eng programming. (Stober)(Rowell)(Eddings)  
9520 VLT9, Port Morsbey, New Guinea w/ABC nx in Eng. (Stober) Also has mx and  
sports 0630-0715. (Rowell)  
9505 Radio Japan 0600-0630 w/General Service in Eng and Jap. (Rowell)  
3925 JOZ4, Tokyo //3945 0600 till around 1200 w/Japanese prog. (Rowell)  
3910 FEN, Tokyo has Eng for U.S.Forces. Hrd till around 1200. (Rowell)  
9745 HCJB, Quito, Ecuador at 0645 w/Sp. religious prog. (Rowell)  
3326 Kaduna, Nigeria w/Eng nx. Heavy QRM. (Sparks)  
4815 Upper Volta hrd frequently at 0630 w/French nx. (Sparks)  
6130 CHNX, Nova Scotia hrd at 0640 w/dance music. (Sparks)  
5970 HJKA, Radio Horizonte w/Sp. ID and L.A. music. (Sparks)  
3240 Radio Abidjan w/African and pop music. Good sig. (Sparks)  
9585 ZYR56, Radio Excelsior w/Portuguese ID and news at 0655. (Sparks)  
6025 Luanda, Angola s/on at 0600 now being hrd again. (Sparks)

0700 9625 Leopoldville, Congo in French w/sign off. (Balbi)  
9745 Bamako, Mali in French. Sign off at 0800. (Balbi)  
6075 VOA, Monrovia with s/off at 0730. (Stober)  
9540 Radio New Zealand //11780 w/folk mx, Beatle mx. Hrd 0705-0715. (Eddings)  
3224 ELWA, Liberia in native lingo. (Balbi)  
6170 DUH2, Philippines w/Eng nx in Comm. Service at 0745. (Sparks)  
3335 Radio Wewak heard 0730-0830. Local news in Pidgin Eng at 0800. (Sparks)  
No doubt they are using new 10kw xmtr now.(Ed.)

0800 6080 Radio Algiers in Kabyl. Also on 6160 in Arabic. Hrd irregularly. (Balbi)  
6130 CHNX, Halifax, Nova Scotia w/Eng nx. (Balbi)  
6160 CBUX, Vancouver, B.C. w/wx report. (Balbi)  
6170 Manila, Philippines w/Eng nx. Severe QRM. (Balbi)  
9570 Radio Australia sign on IS/ID to British Isles and Europe. (Eddings)  
6015\* VOFK, Seoul, Korea has Eng 0830-0900, then into Japanese. (Sparks)

0900 9690 RAE, International Service in Japanese. (Eddings)  
3940 Radio Hong Kong at 0945 w/Chinese and variety mx. (Rowell)

0900 6015\* VOFK, Seoul w/Japanese until 1000. (Stober)  
 7105 Radio Nepal w/English and Hindi news (SCDXers)  
 11910 Thai NBS w/General Overseas Service to N.A. 0930-1020. (SCDXers)

1000 3910 AFRTS-FEN, Tokyo with music/songs at 1015. (Stober)  
 6045 YDF, Djakarta, Indonesia with native songs. (Stober)  
 7140 YDR2, Ambon, Indonesia in native language. (Balbi)

1100 4797 Burma has native music/songs at 1130, nx in Burmese 1145. (Peters)  
 9540 Radio New Zealand w/program to Australia. //11780. (Eddings)

1200 15445 Brazzaville, Congo s/on in French. RTF IS signal. (Peters)  
 9610 Perth, Australia w/Domestic Service. (T.Brown)  
 9770 4VEH, Haiti w/religious(Christmas)program. (Eddings)  
 9600 Radio Tashkent w/Eng to Pakistan and Mid-East. (Davisson)  
 9665 SBC, Switzerland in Eng to British Isles. Much QRM. (Davisson)  
 7010A Radio Peking w/Eng to S.E.Asia. Hrd 1210. (Davisson)

1300 4920 Australia BC w/Eng nx for Pacific and New Guinea. (Eddings)  
 11672 Radio Pakistan //15095 w/Eng news. (Eddings) Hrd 1335-1350.  
 6120 4VEH Haiti at 1349 w/religious prog. (Davisson)  
 6005 CFCX, Montreal at 1345. Powerhouse! (Davisson)

1400 15240 Radio Sweden to ECNA. Hrd at 1410 w/Swedish editorial cmnts. (Davisson)  
 9610 Perth, Australia w/BBC play. (Davisson)  
 9770 4VEH, Haiti, Cape Haitien. Sign off at 1403. (T.Brown)  
 6025 Radio Peking //7300 sign on w/Eng nx. (Balbi)  
 9495 UAR, Cairo in Arabic //9475 and 7050. (Balbi)  
 7205 VOA, Thessaloniki sign on at 1455 frequently now. Has special English program at 1500. (Sparks)

1500 9670 Saudi Arabia with Arabic music. Asking for reports (this request is made in English, Spanish and Arabic) (Peters)  
 9668 Radio Ceylon in English. Hawaiian nx and pop piano tunes. (Peters)  
 17830 Radio Prague hrd at 1530. (T.Brown) Details Tim!(Ed.)  
 15305 SBC, Switzerland sign on w/Eng nx to WCNA. (Balbi)  
 11865 SBC, Switzerland sign on w/Eng nx to Mid-East.//9665/9535. (Balbi)  
 11850 Radio Norway, Oslo in Norwegian. //15175. (Balbi)  
 9540\* ETLF, Ethiopia now here w/prog for Malagasy. Formerly was 9755.(Sparks)  
 9815 Radio Pakistan w/Eng nx, then into native prog. (Sparks)

1600 15125 Radio Portugal in Portuguese. (Stober)  
 9715 DZH7, FEBC, Philippines w/Eng nx at 1630. (Stober)  
 9590\* VOA, Philippines here at 1630 in Russian. (Sparks)  
 9565\* VOA, Tangier now here in Arabic. (Sparks) Hrd 1615.  
 11875\* Vatican Radio now being hrd here regularly w/African language. Not hrd on former 11880 now. (Sparks)  
 11820 Radio Berlin International (RBI) w/Eng to Africa. Then into German prog at 1630. (Sparks)(Balbi)  
 11920 RTF, France s/on w/Arabic prog. (Balbi)(Stober)

1700 9615 VOA, Tangier sign on w/Eng. Gives propagation rpt. (Peters)  
 9420 VUNC, South Korea in language. Eng ID. Hrd irregularly. (Balbi)  
 9595 SBC, Switzerland w/Arabic prog at 1715. (Sparks)  
 9555 RVOG, ETLF, Addis Ababa w/Eng ID followed at 1715 with Swahili.(Stober)  
 11845 RTF, France sign on at 1730. Requesting rpts. (Stober) Testing?(Ed.)  
 15170A VOA, Liberia in Eng w/World nx/features. (Stober)

1800 11705 Radio Tehran in Turkish until 1830 when in Arabic. (Rowell)  
 11900 Radio South Africa 1830-2000 daily in Eng and Afrikaans. (Rowell)  
 11820 Radio Abidjan, Ivory Coast with nx in Eng at 1830. Fr at 1900.(Rowell)  
 15180 OEX4T, Peru hrd at 1815 w/mx and nx in Sp. ID in Eng. (Lonn)  
 17720 WINB, Red Lion, Pa. w/Eng prog. (Stober)(T.Brown)  
 9720 Dakar, Senegal w/Eng nx and prog to 1830. (Balbi)  
 7195 NHK, Japan //9525 w/Eng nx to Mid-East and Africa. (Balbi)  
 15150 UNRadio with German prog. Then Eng nx review at 1855. (Stober)  
 11820 Ivory Coast "The Voice of Africa" (ID) off in Eng at 1900 and into prog in French. (Stober)

- 1900 15155 ELWA, Monrovia, Liberia w/Eng religious prog to WCNA. (Stober)
- 15320 Radio Canada in French. ID at 1915. (Stober)
- 9540 Radio Yerevan to N.A. on Sat & Sun 1930-2030. (Sparks)(Rowell)
- 15370 RTF, France w/French prog at 1930. Brazzaville relay?? (Stober)
- 11905 AFRTS, N.Y. with country and western music. (Stober)
- 9705 RVOG, Ethiopia with prog in ?? language. Eng ID. (Stober)
- 15190 Radio Brazzaville, Congo with Eng news at 1930. (Stober)
- 17740 Radio Portugal in Eng to Africa and Europe. 1902-1915. (Rowell)
- 9700 Radio Bulgaria in French, with folk music. 1930-1955. (Rowell)
- 9730 Radio Pakistan sign off Eng prog at 1930. (BDXC)
- 7275 RAI, Rome with Greek prog. (BDXC)
- 2000 11832 Radio Leopoldville, Congo in French 2030. (Rowell)
- 11735 Voice of Morocco, Rabat in Eng. Hrd 2045. (Rowell)
- 11730 Radio Tehran, Iran in Eng at 2020, Persian at 2030. (Rowell)
- 11820 Ivory Coast Radio, Abidjan in French. VOA QRM. (Stober)
- 2100 9635 Lisbon, Portugal //9645/11840 in Portuguese. 2130. (Balbi)
- 5985A RBI, Germany with Eng news. (Wilt)
- 5047 Radio Lome, Togo with Eng news. (Wilt)
- 2200 9650 Conakry wuth African mx and French ID. (Sparks)
- 11875 ZYN32, Brazilian music and Port. ID. (Stober)(Sparks)
- 9475 UAR, Cairo sign off from Eng 2230 into Arabic.(T.Brown) //9495 in Arabic  
2230-2400(0000) (Rowell)
- 9640 VOFK, Seoul sign off of half hour Eng prog. (Stober) Into Korean prog  
at 2200. (Rowell) (Balbi)
- 9610 Radio Australia, Perth sign on w/Eng nx. (Balbi)
- 11840 Radio Portugal in Portuguese //9645. (Balbi)
- 11710 Argentine Radio w/French 2215. (Balbi)
- 300 11950 PRL3, Brazil w/Portuguese ID and pop music. (Sparks)
- 11805 Radio Globo, Brazil in Portuguese. (Stober)
- 11852 Radio Telco, Paraguay in Spanish. Hrd 2340-0015. (Rowell)
- 11940 Radio Malaysia, Singapoer with Eng news 2330. (Balbi)
- 7110 Radio Malaysia in language at 2330. (Balbi)
- 7300 Malaysia, Kuala Lumpur with Eng news at 2330. QRM. (Balbi)
- 7050 UAR, Cairo in Arabic. Irregularly hrd. 2330. (Balbi)
- 7235 Luanda, Angola in Portuguese. S/off at 0000 w/anthen. (Balbi)
- 7165 Radio Nederland sign on in Spanish to S.A. (Balbi)

Abbreviations used: \* denotes New Freq. // means in paralell. A following freq stands for approximate. mx is music. nx is news. NA is North Amer. SA is South Amer. LA is Latin Amer. WCNA is West Coast NA. ECNA is East Coast NA. w/ means with. ID stands for identification. IS is interval signal. Eng is English. Hrd means heard. Prog-program. (These are listed here in detail for benefit of newer SWBCers whom we would remind are invited to send any questions re SWBC to hdq. Only requirement is a stamped return envelope or a postal card, for reply/answer. A reminder too, you can get SWBC report form from hdq (used for sending reports to section for publication herein) for an SASE.)

UTILITIES

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Ship/Shore-Fone

- 0107 2142 Nantucket LV calling WOU (Brady)
- 0107 2142 UNS Taluna calling Jacksonville (Brady)
- 0122 2142 USS Raingill calling WGB (Brady)
- 0216 2166 USS CapeHorn calling WEH (Brady)
- 0710 2166 Santa Lucia calling WEH (Brady)
- 0715 2782 TowBoat Lillian calling WJG (Mauriello)
- 0720 2198 Olympic Rainbow calling OBE(?) Mauriello)
- 0722 2182 Tanker Four Lakes calling NMF (Mauriello)
- 0730 2182 NAVSTA Savannah calling WUX (Mauriello)

Activities contd. Ship/Shore-Fone

0730 SS Henry C. Dalton calling WMI Lorain (Mauriello)  
 0745 2198 NS Savannah calling WOX (Mauriello)  
 0805 2182 USCoast Guard-40770 calling SharkRiver (Mauriello)  
 0815 2162 USNS UpShur calling WOX (Mauriello)  
 0815 2390 SS Azalea City calling WJO (Mauriello)  
 1630 2182 Tanker Esso Mara w/test (Mauriello)  
 2226 2166 SS MayMoe calling WEH (Brady)  
 2330 2406 Tanker ALS-15 calling WOU (Mauriello)

Fixed-Fone, Misc.

1600 13265A Shannon Aeradio (T. Brown)  
 0830 9490 RCA Commo, Guam w/test (Sparks) This station QSL'd w/letter last yr.)  
 0000 1080 Amer. T&T testing (Brady)  
 2300 1020A Radio Corp. Puerto Rico testing (Brady)  
 0400 4800A Dominican Telephone Co. testing (Brady)  
 0245 5290A Bermuda Cable & Wireless testing (Brady)

THIS MONTHS SHORTWAVE CENTER REPORTERS

Joe Johnston, Philadelphia, Pennsylvania	Bob Lonn, Amsterdam, New York
August Balbi, Los Angeles, California.	Bill Sparks, San Francisco, California
Louie Stober, Tigard, Oregon	Sam Rowell, Gig Harbor, Washington
Tim Brown, Williamsport, Maryland	Walt Brady, Livingston, New Jersey
Dan Wilt, Akron, Ohio	Frank Peters, Chicago, Illinois
Joe Mauriello, Haskell, New Jersey	Ken Weaver, Allentown, Pennsylvania
Ray Fronczak, St. Louis, Missouri	Tim Davisson, Akron, Ohio
W.R. Davis, Ocala, Florida	Bill Eddings, Altoona, Pennsylvania
ACRC	SCDXers
BDXC	RNYWW/DXWW
	DWDXB

LAST MINIT BITS

According to a news broadcast over RBI, East Germany will deliver a number of short-wave transmitters to Republic of Indonesia. (BDXC)

The 600watt Deutsche Welle, Kigali relay transmitter operates in the morning hours on 7225 and in the afternoon on 7260 or 7295. At times the amateur call 975 is used to contact Germany and other countries. (DWDXB)

The 50kw transmitters of Saudi Arabia are used on 7170, 11835, 11870 and 11890 from Jeddah; 9720 from Riyadh. (BDXC)

A report was sent to Radio Andorra for reception of its program on 818kcs(MW), but the station sent back a QSL card stating 5995kc. It has also been said that this station has sent out QSL's when reporter listed no freq at all in report. (BDXC)

According to notice received from ASWLC II hdq, they are now an SWBC club exclusively. Jim Vastenoud, former Exec. Editor of the Benelux DX Club has given over his post to Marten van Delft. Jim will be leaving Holland for England in near future. (BDXC) We would mention this change is most likely the reason we have not heard from Jim in re the offer given us recently to do regular spot on "DX Jukebox". (Ed.)

When reporting to Shortwave Center, it is requested you be so good as to use the following format to help your ed save time when transposing onto stencils. List time in GMT, then frequency, then call or location of station(its country), give a few details of prog hrd and mention date hrd.

Be informed that any/all features on SWBC stations are always welcome here and will be used in future sections. Same applies to QSL data considered of general interest.

To those of you who reported this month...TNX! It is hoped you will all continue to do so next month and regularly and that others will join with you similarly. Newer members are particularly asked to report and to become active in helping this section progress.

Happy listening, good DXing!

73, Bill Eddings