

WORLD FRIENDSHIP ★



★ THRU SHORTWAVE ★

"ASWLC"



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11 No. 2

FOUNDED: DECEMBER 1959

JANUARY 1970

HAPPY NEW YEAR 1970

To my many many friends who have helped make this year so successful and rewarding, I take this opportunity to wish a very healthful, happy and prosperous New Year. May all your hearts' desires come true in the coming year.

Stewart Mac Kenzie - VPE6AA -
Executive Editor-Publisher ASWLC

AMBASSADOR-AT-LARGE

Having resigned as President*Chairman of the BOD for three terms since September 1963, I wish to thank the BOD, Editors and Members for their kind Support over the years,

Ken McNeilage started the ASWLC in December 1959 with 20 members, some of these Charter Members like Stewart MacKenzie, myself and others joined later, Serge Neuman, Bob La Rose are still active, they know the many problems the club faced back in 1963/64 but our future with over 400 members bright indeed, thanks are due to Stewart MacKenzie for his hard work and dedication to ASWLC as the Executive Editor for some 2½ years also the great support given to our Club by HCJB DX PARTY LINE of which many new members joined, (over 50 new members), so we say Thanks indeed to HCJB. Today the ASWLC is known as a TOP shortwave club the World over.

I remain as a BOD member and co-operate in the future as always.

I wish the A.S.W.L.C. every success in 1970 and the years to follow.

August Balbi, Ambassador-at-Large

HCJB

On November 29th at 9:30pm PST, headquarters rcvd a suprise visit from one Leonard T. Booker of HCJB. Mr. Booker and his wife could only stay a short period of time but during that period we had a very merry visit. The Bookers have the distinction of being the final 1969 visitors to ASWLC headquarters. We thank them for taking time for their busy schedule to vist us. During this month, they will be on their way back to Ecuador. May they have a safe journey to Quito.

SURVEY

The first ASWLC Survey appears on the last page. I urge every member to do their part in filling it out. In this way we can what you want in 1970. Return your copy as soon as possible. Make it the "Super 70's" for A.S.W.L.C.

"SFL"

HEADQUARTERS

JANUARY 1970

BOD ACTIONS

BOD Director, Art Glover has been elected the new President-Chairman of ASWLC. Out going President-Chairman, August Balbi has been elected ASWLC Ambassador-at-Large. The BOD also voted upon Mr. Balbi, Honorary Life Membership for his long time services to the club. Congratulations to both on their new duties within ASWLC.

Other BOD business concerned the deletion from Article XII, Section 3 of the Constitution, the wording "to be printed at HQ". The vote was 5-0 for deletion. This was in referance to having BOD ballots printed at hdq's. The ballots now may be done by the BOD Chairman. That concludes business for 1969.

RSA

Steven P. D'Adolph, Box 545, APO S.F.-96555 (Kwajalein Island), notes that we have added a new honor to the ASWLC. RSA announced the winners to their recent contest. ASWLC as a club came in at the second place spot. Steve rcvd first place honors for the Pacific area. (Our congratulations to Steve for winning the First Place Honors and to the many members who took part and made possible of ASWLC capturing Second Place Honors.)

Member Mike Macken, SWR Data Editor, is setting up a ragchew shortly. Those interested should contact Mike as soon as possible. This will be a local area meeting at which Chris Lobdell, Associate SWR Editor and Tom Walsh of NASA are expected to attend. INTERESTED??? Then write to Mike real soon, like today!

AMSAT

The National Aeronautics and Space Administration (NASA), in a letter to the Radio Amateur Satellite Corporation (AMSAT), has agreed to launch the Australis OSCAR-A Satellite as a secondary payload on the upcoming TIROS-M mission presently scheduled for January 9, 1970. The amateur satellite will be ejected into orbit from the 2nd stage engine compartment of the Thor-Delta launch vehicle in the same manner as previous Delta secondary payloads have been launched.

Now is the time to get your tape recorders ready to monitor the 29.45 MHz channel. Also the 144.05 MHz channel for those who have rcvs cover this band.

Harold Morgan of SWAPS NEWSLETTER suggests that those with 4 track stereo recorders use one track for WWV signals. This will give you precise time clocking for the recording of OSCAR-5 signals. Further info on this set-up is available from Hal at 800 So Sullivan G5, Santa Ana, California-92704. When writing be sure to enclose stamps for a quick reply (sase). Further info in the Propagation Column.

MEMBERSHIP CERTIFICATES

Finally... At Last... Yes... they are now printed up and will be issued this month. Our thanks go out to Robert Moser, WPE9ASH for locating the source of our certificate. We are using "GOES" certificates of which, I believe is the finest one ever issued by ASWLC. Once you rcv your certificate, we would appreciate your comments on it. Our thanks also go out to Steven P. D'Adolph for his help in securing this very beautiful certificate. The first certificate issued went to Robert Moser, WPE9ASH.

The certificate will be issued starting in January to NEW members only. Present members of ASWLC will rcv their certificates upon their renewal dates. Thus those renewing in January will have their certificates mailed in January. Those renewing in March will be mailed in March etc till all 400 have been mailed out.

RADIO TODAY

Via Todd Graves of New York comes this word that Radio Today is due out on March 1st. The delay has been caused by Advertising set-ups within the magazine. Remember, MARCH 1st is the publishing date for RADIO TODAY. Watch for it.....soon.

WORLDWIDE SUNRISE-SUNSET MAPS

Member Father Jack Pejza, Editor of "DX Worldwide" for the DX MONITOR of the IRCA sends the following info of interest to BCB DXers. The IRCA has issued a series of maps that will give the medium wave DXer an idea of when the path from a distant station to his location is in total darkness. There are twelve maps, one for each month plus a sheet of instructions. These maps will be of a great aid to the BCB DXers. The cost is very low, just 25¢ per set to cover postage and handling. These maps are produced by IRCA as a service to all DXers. Further info maybe obtained from IRCA Publisher, 6059 Essex Street, Riverside, Calif-92504. Be sure to specify World-Wide SR-SS maps. (IRCA = International Radio Club of America = All BCB).

Member Gerald Arrington of 8585 Dinuba, Selma, California recently had his photo in the Selma Enterprise. The article was titled, "Arrington Travels To The Netherlands -- By Radio". It appeared in the November 13th edition. Congrats to Gerald for his fine publicity on the hobby of swling. (Selma, The Raisin Capitol of the World).

Your Executive Editor/Publisher, Stewart Mac Kenzie-WPE6AA, wishes to thank every one who sent hdr's a christmas card. The limit of space precludes me from listing all of you. Your thoughtfulness has been greatly appreciated by me.

I would also like to thank the following organizations for their support of ASWLC during 1969. We hope that we can continue to deserve your support during the upcoming "SUPER 70's. Thank you's go out to, DX Party Line of HCJB, Quito, Ecuador, to Ray Briem of radio station KABC-am in Los Angeles, to Ray Meyers-W6MLZ of the Los Angeles Herald/Examiner, to the Ceylonese SWL club of Ceylon - our "sister" club in Asia, to the Radio Portugal DX Club for their fine support of ASWLC, to RSA DX club for their continued support of ASWLC, to the World Radio Bulletin and Sweden Calling DX-ers bulletin assistance during 1969, and also to the NNRC and NASWA for their fine help, and finally to our old friend T.X. Thrush for keeping things jumping and never giving us a dull moment in 1969. Also to his sidekick, Stanbury X, better known as Stanbury on the Warpath, king of Distant Radio Listening (DRL). May you all, yes, ALL have a prosperous year in 1970.

TAB BOOKS

Electronic Test & Measurement Handbook (#506) has just been published. The author is John J. Schultz. Cost is \$4.95. Here's a "one-stop" source of practical electronic troubleshooting procedures, based on tried-and-tested measurement techniques. This book is a must for those of you who test/repair your own equipment. The book contains 224 pages, over 100 illustrations in 8 chapters plus appendix. Order your copy from TAB Books, Blue Ridge Summit, Pa-17214. Mention ASWLC when writing.

COMMUNICATIONS HANDBOOK 1970

The Popular Electronics annual edition is now on the market. The cost is \$1.35 at your local newstand. It contains articles from the elite of the hobby such as SHORT WAVE-PERISCOPE OF THE WORLD by Ray Briem of KABC-am Los Angeles. DX'ING THE AM BROADCAST BANDS by Gordon P. Nelson of the National Radio Club. LISTENING TO THE LATIN AMERICAS by ace dx-er Richard E. Wood of Hawaii. Plus much more on CB, Amateur Radio etc. Pick up your copy today.

PROPER REPORTING GUIDE

Want to increase your QSL quotas? Then order your copy of the "GUIDE" soon. This publication is a must for all serious swl listeners. Here is a comprehensive discussion that gives you the WHY as well as the HOW of reporting to the stations, and requesting QSLs. The "GUIDE" includes 15 pages of pattern letters in French, Spanish and Portuguese. Cost is \$1.30 First Class. Non-ASWLC member ... \$2.05 First Class. Order your copy from headquarters soon. (3) Swling, It's "Our Bag".

We welcome the new members listed below to the ASWLC and the beginning of the "SUPER 70's". Share your knowledge of the hobby by reporting often to your favorite column. WELCOME ABOARD MATES!

William Freemont of Los Angeles, California. Via How to Listen to the World.
 Terry R. Hicks, WPE4KDH of Fort Lauderdale, Florida. Via Electronics Illustrated.
 Paul Metro, WPE2QZM of Colonia, New Jersey. Via the DX PARTY LINE of HCJB.
 Robert M. Grant Jr. of Carlisle, SoCarolina. Via DX PARTY LINE of HCJB.
 Carlton S. Claussen of Charleston, SoCarolina. Via S 9 magazine.
 Mark Drogin of Woodhaven, New York. Via Communications Handbook.
 Rimas Sakalas, VE3PE2KK OF Hamilton, Ontario, Canada. Via Comm Handbook 1967
 John F. Pinckney, WPE4KJA of Alexandria, Virginia. Via Tom Buckley jg.
 Paul Talbot of Halifax, Nova Scotia, Canada. Via DX PARTY LINE of HCJB.
 Donald C. Williams of Louisville, Kentucky. Via HOW to Listen to the WORLD!
 John W. Ingram of East Point, Georgia.
 Donald C. Griffith of Grand Rapids, Michigan. Via World Radio-TV Handbook69.
 Irael Treger, W9IVJ of River Forest, Illinois.
 Dwight A. Ernest of North Olmsted, Ohio. Via ANARC.
 Jacob B. Weatherbee, KNC3050 of Portland, Oregon. Via Bill Robison.
 Frank E. Aden Jr., WPE7CYB of Boise, Idaho. Via Radio*TV Experimentor.
 L. W. Neal of North Hollywood, California.

RENEWALS: We welcome you all back to another year within your club ASWLC.

Richard Pico of Manchester, Connecticut for his second year with us all.
 Rob Harrington, WPE0FDL of Englewood, Colorado. Going for his third year in ASWLC.
 Michael G. Ryan of Redwood City, California. Also going for his third year in ASWLC.
 John T. Soneff Jr. of New Orleans, Louisiana. Another third year man for the ASWLC.
 Walter L. Reed of Prairie Village, Kansas. Wants to be in the thitd year group.
 Carl M. Nielson of Granger, Washington. Entering his Second year with us all.
 Charles E. Simpson, W6CYD of Danville, Calif. Enjoying his Second year with us.
 Oliver P. Ferrell of Park Ridge, New Jersey is staying for his Third year.
 Daniel C. Ferguson of Coral Gables, Florida for his Third year with us.
 William H. White of Sarnia, Ontario, Canada. Going for his Second year with us.
 Bob Weinstein, BSA0AAP of Englewood, Colorado making it his Second within ASWLC.
 Henry M. Slade of Vandenberg AFB, Calif. Doing his thing 5th year!
 S. N. Ledford of Chattanooga, Tennessee. Making it on the scene for his Third year.
 Charles L. Cook of Los Angeles, Calif. His swinging Fourth year in the best club.
 John J. Podpechan, WA5HTS of Claremore, Oklahoma. Hamming thru his Second year.
 Lester W. Nichols of San Francisco, Calif. Making this his Fourth year.
 Hugh G. Davis, WPE9JGG of Milwaukee, Wisconsin. Blazing thru his Third year in ASWLC.
 Robert I. Cate of Dover, New Hampshire. Snowbound in his Fourth of DXing in ASWLC.
 Jack Terry of Torrance, California. Making this his Third year in his club.
 Ann E. Parker, WPE9JJC of Chicago, Illinois. Doesn't want to Miss her Third year.
 Dennis Young, VE3PF2SB of Putnam, Ontario, Canada. Going for his Second year.
 Richard Chisak of Kingston, Pennsylvania. Another DXer for his Second year.
 Joseph P. Ray of Yuma, Arizona. Another happy Third year man for the best club-ASWLC.
 Roy Haynes, WPE6HEI of San Jose, California. DXing for his Second year with ASWLC.
 Leroy Hilscher, WPE6HKJ of Hayward, Calif. Doing his Second year within ASWLC.
 Mario A. Sala of Inglewood, California. Racing thru his Second year with the ASWLC.
 Everett S. Decker, WPE1DJR of Westfield, Massachusetts. This, his Second year.

It is with regret that I announce the resignation of Don Billingsley as AWARDS EDITOR. Due to personal comitments, Don had to give up this post. His final column appears in this issue. We thank Don for his fine work on behalf of the ASWLC.

Details on obtaining a WPE certificate may be rcvd by sending a stamped self-addressed envelope to Hank Bennett, PO Box 333, Cherry Hill, New Jersey-08034.

AWARDS AND COUNTRY LISTS

Editor: Don Billingsley,

Note: There is no deadline for submission of items to this column, as the column will be published only as items of possible interest occur.

AWARDS

We are pleased to announce that the following awards have been issued since the last awards announcement:

75 countries verified (SW): Miss Ann E. Parker (Ill) and Mr Richard E. Shawyer (Cal)

50 countries verified (SW): Mr John M. Bradley (Fla), Mr Carroll R. Patterson (Ga), Mr Richard Pico (Conn), and Mr Tom Rega (NY)

35 African countries verified (SW): Mr Richard Pistek (Ill)

30 European countries verified (SW): Mr Charles N. Coombe (NJ)

25 countries verified (SW): Mr Steven P. d'Adolf (Marshall Is), Mr Daniel Laurier (NY), Mr Edward Yee (Mass), and Mr George S. Zarr Jr (NY)

20 European countries verified (SW): Mr John M. Bradley (Fla), Mr Richard Pico (Conn), and Mr George S. Zarr Jr (NY)

15 North American countries verified (SW): Mr Charles N. Coombe (NJ)

30 States verified (BCB): Mr James L. Bochantin

ASWLC COUNTRY LIST

The Africa portion of the ASWLC country list is amended to ADD Seychelles (Victoria)

MISCELLANEOUS

By special arrangement, ASWLC members may acquire NASWA French, Spanish, Portuguese, and Indonesian language reporting forms by sending one IRC (no US stamps as the addressee lives in Canada) and one self-addressed envelope for EACH language form requested to Mr Gregg A. Calkin, QSL Editor, 131 Cooper Street-Apt 903, Ottawa, Ontario, Canada.

In return, the ASWLC Russian language reporting kits are now available to both ASWLC and NASWA members by sending one stamped and preaddressed envelope PLUS 10¢ in stamps or coin (to cover cost of xeroxing one item) to me at the above address. If any of the required items are missing, the kit will not be sent.

NOTE

According to my records, all requested award certificates now have been issued and announced. In the event you have either requested an award certificate or received one without its being announced, please advise accordingly, as a loss probably occurred in one of my two recent moves.

Editor (& Asia/Oceania Section): Art Glover, 2318 S. Laurel, Port Angeles, Wash. 98362

Associate editors:

Station Data Section-Mike Macken, 64 Court Road, Winthrop, Mass. 02152

Eur/Africa Section-Chris Lobdell, 149 Walnut St., Reading, Mass. 01867

NAM/SAM Section-Carroll Patterson, 784 N. Parkwood Road, Decatur, Ga. 30030

ALL TIMES=GMT

DEADLINE(Asia/Oceania Section): 20 JAN

RECEPTION REPORTS

ASIA/OCEANIA SECTION

AFGHANISTAN

4775 1425 R. Afghanistan Eng- Prog to Europe & s/off (Poor)(Williams-Ore)

BRUNEI

7215 1100 R Brunei (tentative) Lang-Relig mx (Shaw-Cal)

1315 R Brunei Eng-Nx & ID (Good)(Steen-Guam) Eng 1200-1430 (Poor)(Williams-Ore)

BURMA

5040 1250 BBS Eng-Prog (Fair)(Lester-S Vietnam) 1433 (Fair)(Fisher-Cal)

CAMBODIA

6090 1030 Phnom-Penh Eng & French prog (Good)(Lester-S Vietnam)

CEYLON

4870 1400 CBS Eng- Prog (Fair)(Lester-S Vietnam)

15230 0130 CBS Lang-S/on, IS & ID then light mx (Good)(Koukel-III)

15285 1705 VOA Eng-Special nx & jazz hour (Poor)(Williams-Ore)

17830 1100 CBS Eng-Mx, nx & commentary thru QRM (Poor)(Steen-Guam)

CHINA (PEOPLES REP OF)

7060 1655 R Peking Chinese-Prog (Fair)(Christian-Wash)

7120 0300 R Peking Eng- N Am prog (Exc)(Heck-Colo)(Good)(Bacon-La)

9780 0300 R Peking Eng- S/on & nx (Fair)(Harrington-Colo)

9795 0315 R Peking Eng- Prog (Good)(Bacon-La) Also 9820 & 9855 (Bacon-La)

15100 0230 R Peking Eng- Pro Albania propoganda (Fair)(Caldwell-Cal)

CHINA (REP OF)(TAIWAN)

7215 1200 Amer. Forces Net Eng-ID, time & nx. List 1 kw (Poor)(Williams-Ore)

11829 1802 BED 67 Eng- Prog (Exc)(Lester-S Vietnam)

INDIA

4800 1230 AIR Hyderabad Lang- Nx & mx to 1300 off (Shaw-Cal)

7215 1445 AIR New Delhi Eng (Fair)(Lester-S Vietnam)

15080 1945 AIR Bombay S/off after ID & Eng to E Africa (Fair)(Koukel-III)

15235 0110 AIR New Delhi Eng- Commentary & s/off 0115 (Good)(Koukel-III)

17820 1020 AIR New Delhi Eng- Nx, mx & editorials thru QRM (Poor)(Steen-Guam)

INDONESIA (JAVA)

6105 1115 Djakarta Eng- Nx, comment & pop mx to 1200 s/off (Good)(Steen-Guam)
(Fair)(Williams-Ore)

1430 Djakarta Eng- Prog to WCNA to 1530 // 9575 (Balbi-Cal)

INDONESIA (SUMATRA)

4855 1345 Palembang regional presumed. Lang- Local prog thru QRM (Poor)(Shaw-Cal)

INDONESIA (WEST IRIAN)

11785 1420 Soekarnapura RRI Eng- Prog (Fair)(Lester-S Vietnam)

IRAN

11730 1730 R Iran Russian- S/on, IS & ID (Exc)(Koukel-III)

15135 2000 R Iran -- Mx, nx (Good)(Harrington-Colo)

IRAQ

6030 1535 R Baghdad Eng- Prog (Fair)(Lester-S Vietnam)

6095 2120 R Baghdad French- Nx, comment & Arabic mx (Good)(Patterson-Ga)

ISRAEL

9009 2015 VOI Eng- Prog (Good)(Mahler-Mass)

JAPAN

3190 1925 FEN Eng- Prog (Poor)(Lester-S Vietnam) Should this be 3910, Bill? ed.

3910 1340 FEN Eng- Prog (Fisher-Cal)

RECEPTION REPORTS

ASIA/OCEANIA SECTION

JAPAN

15195 2200 NHK Eng-Prog & nx (Fair)(Mahler-Mass) (Bacon-La)
 15235 0100 NHK Eng, Sp, Jap prog to 0300; Also 17725, 17825, 21640 (Caldwell-Cal &
 15260 0200 FEN -- Pop mx, nx (Good)(Steen-Guam) (Soneff-La)

KAZAKH SSR

10530 0220 R Alma-Ata Russian?- Mx prog // 9380 (Fair)(Koukel-Il1)

KOREA, SOUTH

2510 1320 HLK 50 Korean-Mx & sports prog (Fair)(Williams-Ore)
 9640 0500 VOFK Eng-Nx, commentary, mx (Fair)(Steen-Guam)
 15430 0300 VOFK Eng-Nx & mx prog (Good)(Bacon-La & Caldwell-Cal & Heck-Co1o)

KUWAIT

15185 1730 R Kuwait Eng- Prog (Fair)(Lester-S Vietnam)

LEBANON

11790 0230 R Lebanon Eng-Prog to N Am 0130-0400 w Fr, Arab, Sp & Eng (Good)(Rowell-Was'
 (Bacon-La)(Harrington-Colo)(Mahler-Mass)

MALAYSIA

4845 1140 R. Malaysia KL or Kajang? Lang- Talks (Fair)(Williams-Ore)
 9580 1450 BBC Eng-Prog (Fair)(Fisher-Cal)
 11755 1340 BBC Eng-Prog (Exc)(Lester-S Vietnam)

MONGOLIA

15440 1220 R Ulan Bator Eng-Prog sked to 1250 but not heard lately (Bundy-Truk)
 (// 17780 also not lately (Bundy-Truk)

NEPAL

11970 0120 R Nepal Nepali-S/on, IS, bells, ID, talk & mx. Heard daily (Good)(Koukel-
 Il1)

PAKISTAN, EAST

11650 1500 Dacca Eng-Prog (Fair)(Fisher-Cal) Rpts on this seem to vary from 11650
 11672 1945 Dacca Eng- S/on to UK, Nx @ 2000 (Good)(Koukel-Il1) to 11672. ed.
 15455 1230 Dacca Lang-Prog w frequent IDs (Fair)(Bundy-Truk)

PAKISTAN, WEST

17935 1500 Karachi? Eng-Nx to 1515 then Urdu (Good)(Bundy-Truk)
 21590 1335 Karachi Eng-Dictation nx; sta said rpts must give exact freq., e.g.
 "about 21.6 will be rejected" (Mahler-Mass)

PHILIPPINES

11950 1030 VOP Eng-Prog (Exc)(Lester-S Vietnam)
 15250 0700 AFRTS Eng- erratic on and off; no s/on or s/off (Good)(Bundy-Truk)
 1020 VOA Eng- Mx prog and into Thai @ 1100 (Good)(Bundy-Truk) Sun & Mon
 1030 UN Eng-& into Chinese, Tues & Sat (Good)(Bundy-Truk)
 15265 1400 VOA Russian-Prog to past 1630 - QRM jammer (Poor)(Bundy-Truk)
 QRM by Seychelles until 1630 (Burdy)
 21515 0200 FEBC Eng- Relig prog (Exc)(Steen-Guam)

RSFSR ASIATIC

4485 1920 Vladivostok Russian-Talk & ID-Govorit Vladivostoki (Fair)(Bundy-Truk)
 5015 0800 Vladivostok? Russian prog // 5940//6015//15490 (Fair)(Bundy-Truk)
 6100 1145 Vladivostok? Russian- prog QRM by Mexican 1200 (Patterson-Ga)

SARAWAK

4835 1300 R M Sarawak Lang-Mx prog to Eng @ 1402 (Fair)(Shaw-Cal)
 4950 1110 R M Sarawak Eng-Prog (Poor)(Fisher-Cal) 1200 (Poor)(Lester-S Vietnam)
 5030 1405 R M Sarawak Lang-Nx & pop mx (Good)(Williams-Ore)

SAUDI ARABIA

11855 0430 SAB Jidda Eng-Nx & mx prog to 0530 s/off (Exc)(Harrington-Colo & Patterso
 1700 SAB Jidda Eng-Prog to 2000 then Fr to 2200 (Good)(Rowell-Wash)
 (Soneff-La)(Lester-S Vietnam)(Mahler-Mass)
 15150 1645 SAB Jidda(pronounced Geedah) Arabic to 2200 (Rowell-Wash)

SINGAPORE

5010 1400 Br Forces B/C Svc Eng-Prog (Good)(Lester-S Vietnam)
 5052 0400 R Singapore Eng-Prog (Good)(Lester-S Vietnam)
 1605 R Singapore Lang- w Eng IDs & mx, to 1630 s/off (Fair)(Williams-Ore)
 5060 1450 R Singapore Eng- Prog (Fair)(Fisher-Cal) This freq varies 5052-5060 (ed)
 11940 0930 R Singapore Eng- Prog (Exc)(Lester-S Vietnam)

SHORT WAVE REVIEW

RECEPTION REPORTS

ASIA/OCEANIA SECTION

TURKEY

15160 2200 R Ankara Eng- Prog (Poor)(Fisher-Cal)

UZBEK SSR

9600 1200 R Tashkent Eng- Prog (Good)(Mahler-Mass)

VIETNAM, NORTH

9525 0330 VOVN Eng-Havana relay prog (Good)(Bacon-La)

ASIA/OCEANIA SECTION

AUSTRALIA

6090 0830 VLI6 Sydney Eng-Nx & sports (Good)(Rowell-Wash) 1150 (Poor)(Williams-Ore)

6150 0830 VLR6 Melbourne Eng-Nx & sports (Rowell-Wash)

7205 1100 R Australia Eng-Prog (Fisher-Cal)

9610 1111 R Australia, Perth Eng-Nx & mx (Good)(Fisher-Cal & Mahler-Mass) 1300

9680 1300 VLH9 Melbourne Eng-ABC regional prog (Good)(Steen-Guam)

11790 1230 R Australia Eng-S/on then Vietnamese (Good)(Mahler-Mass)

15170 0230 R A Melbourne Eng-Prog (Fair)(Bacon-La) 15160 (Poor)(Soneff-La)

15320 0100 R A Melbourne Eng-to NA to 0300; Replaces 15170 (Balbi-Cal)

21540 0400 R A Melbourne Eng- Prog (Good)(Lester-S Vietnam)

21740 0100 R A Eng- to N A to 0300 (Exc)(Caldwell-Cal)

GILBERT & ELLICE ISL

4912 0650 R Tarawa Lang- Native mx prog (Sparks-Cal)

NEW BRITAIN

3385 1100 R Rabaul Pidgin-Mx & request prog (Good)(Steen-Guam)

NEW GUINEA

3335 0900 R Wewak Pidgin-Mx & native mx (Good)(Steen-Guam)

NEW HEBRIDES

3905 0700 R Vila French-Nx, pop & native mx, tom-toms @ s/off 0720 (Sparks-Cal)

NEW ZEALAND

11830 1020 RNZ Eng-Nx & cricket match (Good)(Steen-Guam) 0900 (Good)(Balbi-Cal)

15280 0400 RNZ Eng-Prog & weather (Fair)(Bacon-La)

PAPUA

3305 0900 Daru Pidgin-Native mx prog (Fair)(Steen-Guam)

3925 1010 Port Moresby Eng- ABC prog (Steen-Guam)

4890 0820 Port Moresby Eng- ABC stock rpts, ID (Good)(Christian-Wash)

11880 0430 Port Moresby Said to be testing to 0530 and 2330-0100 (Acc to DXers Calling, via Balbi-Cal)

WHO DAT? DEPARTMENT

4872A 1045 Unid. Indonesian?, perhaps Sorong?? (Patterson-Ga)

5810A 2050 Unid. lang w YL and mx prog; abrupt off 2055 (Poor)(Koukel-Il) Tried it here but drew a blank. ed.

NOTES

Would you kindly let us know whether the listing of harmonics loggings is of value to you, and if we should continue listing them even, perhaps, at the expense of some conventional loggings? This decision is up to you, so give us the word if you will, please.

OUR COMPLIMENTS to all reporters for the care you are taking in submitting your lists complete with all the accurate data we require, such as frequency, time, and precise station identities. Only rarely is anyone failing to include the time (and we can't use those with no time given). Also rare are utility loggings which, of course, should go to Paul Mayo's excellent CCC column. All in all we're grateful to you for your help which makes the work of compiling and preparing the items much easier. (A couple of you might just give us a bit more space between items. Can't quite fit the scissors between 'em. Thanks)

REPORTERS THIS MONTH

Ray Bacon-La

Bob Bundy-Truk

Dr. Bill Caldwell-Cal

Tom Christian-Wash

Bob Fisher-Cal

Rob Harrington-Colo

Rev. G. W. Heck-Colo

Mark Koukel-Il

Bill Lester-S Vietnam

Dr. Don Mahler-Mass

Pat Patterson-Ga

Sam Rowell-Wash

Ed Shaw-Cal

John Soneff-La

Bill Sparks-Cal

Lt. Paul Steen-Guam

Dave Williams-Ore

SHORT WAVE REVIEW - The Americas

Associate Editor: Carroll R. Patterson, WPE4KHW
784 North Parkwood Road
Decatur, Georgia 30030

February Deadline:

17 January 1970

All times = GMT

March Deadline:

14 Feb. 1970

ARGENTINARECEPTION REPORTS

6180 0400 LRA-34, R. Nacional, Mendoza, Sp., fair
(Caldwell)

9690 0100 LRA-32, R. Nacional, Buenos Aires, Sp., good
(Caldwell)

BOLIVIA

5025 2315 CP-75, R. La Cruz del Sur, La Paz, Sp. & Eng.,
new freq. - asks for reports; s/off 0305,
good-exc (Shaw, Ferguson, Koukol, Sparks)
(old freq listed as 4985 - Assoc Ed)

6005 0230 CP-58, R. Progreso, La Paz, Sp., fair (Caldwell)

BRAZIL

4755 0210 (tentative) ZYY-3, R. Brasil, Campinas, Sao Paulo
state, Port., sports, mixed w/Colombian on
same freq, aud. tuning upper side only,
poor (Williams)

4805 0345 ZYS-8, R. Dif. do Amazonas, Manaus, Port., mx,
ID, s/off 0410, Util QRM, poor (Williams)

11805 0230 ZYZ-36, R. Globo, Rio de Janeiro, Port., pop mx,
past 0330, hrd consistently, good (Caldwell)

15370 2315 ZYC-9, R. Tupi, Rio de Janeiro, Port., much
talk, ID: "R. Tupi, Rio de Janeiro"
(Christian)

CANADA

6005 1142 CFCX, Montreal, Eng., pop mx, wx, ID for BCB
outlet CFCF, poor; hard to hear here (CRP)

6070 0600 CFRX, Toronto, Eng., news, sport news, pop mx,
ID for BCB outlet CFRB (Fisher, Jessen, CRP)

COLOMBIA

4756 0200 CARACOL network out.-unident.; hrd 0430 in Fla.,
& as late as 0730 in Ore. (Ferguson; Williams)

4790 0455 HJLW, Ecos del Combeima, Ibague, Sp., LA mx, ID,
anthem & off 0502, always good (Ferguson)

4955 0242 HJCQ, R. Nacional, Bogota, Sp., 28 Nov (Fisher)

6065 0300 HJIQ, La Voz del Llano, Villavicencio, Sp., new
freq., pop mx till 0315 when VOA comes on
freq., electronic chimes & ID: "Somos tole-
dar, somos profesionales, somos La Voz del
Llano en Villavicencio, Colombia", fair
(Sparks) (WRTVH SS lists on 6115)

6195 0445 HJEZ, La Voz de Cali, Cali, Sp., fair (Jessen)

COSTA RICA

4691 0316 TIHBG, R. Reloj, San Jose, "the wanderer", rptd.
as late as 0650, many ID'S "R. Reloj de
Costa Rica" (Sparks, Ferguson, Williams, Chris-
tian, Caldwell, Gaynor)

5954 0500 TIO, R. Casino, Limon, Eng., mx & nx, good (Jessen)

RECEPTION REPORTSDOMINICAN REPUBLIC

3343 (time, Dan?) HIBD, La Voz de la Romana, La Romana
Sp., LA mx - here 12 Nov; on 5 Dec
on 3346 (Ferguson) (WRTVH lists 3355)
5030 2239 HIBB, La Voz del Papagayo, La Romana, Sp, man
talking, "Papagayo" ment in ID - full ID
not heard, QRM fr YV sta & 1 other
(Ferguson)

ECUADOR

3378 0420 HC4DY, R. Iris, Esmeraldas, Sp., mx, quite weak
& no ID noted (Ferguson)
4650 0435 HC2AK, R. Dif. del Ecuador, Guayaquil, Sp.,
coverage of Apollo, good (Ferguson)
4680 0400 HC1WE, R. Nac. Espejo, Santo Domingo (WRTVH lists
Quito), Sp., talk, comm., LA mx, fair
(Christian)
4712 0430 HC3AV, R. Luz y Vida, Loja, Sp., Ecuadorian mx,
good (Ferguson)
4807 0505 HC5MB, R. Popular, Cauca, Sp., Ecuadorian mx,
good (Ferguson)
4822 0450 HC4RF, Canal Manabita, Portoviejo, Sp., marimba
mx, good (Ferguson)

EL SALVADOR

9555 0200 YSS, R. Nacional, San Salvador, Sp., fair (Cald-
well)
9576+ 1825 La Voz del Comercio, Santa Ana, Sp. pops; still
on this freq. - not on 9545 as reported in
Europe (Ferguson) (Call, Dan? CRP)

FRENCH GUIANA

3385 0112 ORTF, Cayenne, hrd at s/off - no ID hrd (Ferguson)

GUATEMALA

5070+ 2330 Unident. hrd on a Saturday - first time - always
on Friday - despite numerous checks, talk.
in Sp. (note: days of week in EST) (WRTVH
Sp lists as TGMS, R.Nac., Mazatenango)
(Ferguson)
5955 0434 TGNA, R. Cultural, Guat. City, Eng.&Sp. (Fisher)
6180 0600 TGWB, La Voz de Guatemala (relays TGW) mx & nx
-Sp. (Jessen)

HAITI

6035 1615 Unident. first thought to be R. Caraibes but la-
ter checks at 1355 & 1810; hrd "La Voix..."
; in French & prob Creole - definitely a
Haitian (Ferguson)

HONDURAS

4847 0030 HRVC, R. Catolica/R. San Isidro, La Ceiba, Sp.,
pop mx, ID: "R. San Isidro", good (Koukol)
4890 2345 HRVL, R. Lux, Olanchito, can be hrd when R. Dif.
Venezuela up the band on 4917 (Ferguson)
6050 0445 HRLP, R. America, Tegucigalpa, Sp., hrd thru
QRM for 10 min., rock 'n' roll, ID: "Teguci-
galpa, transmite Radio America, Cadena Na-
cional, poor (Sparks)

RECEPTION REPORTSMEXICO

6020 1139 XEUW, El Eco Sotavento, Veracruz, Sp., LA mx, ID: "XEU de Veracruz, 930 de su radio", good till 1150 when unident het came on (CRP)

6045 0100 XEQOC, R. Universidad Nac. Potosina, San Luis Potosi, Sp., cl. mx prog, fair (Caldwell)

6055 0345 R. Mexico, Mexico City, Eng. & Sp., Mexican songs, other mx, lots of IDs, //11718, very good (Caldwell, Sparks)

6090 1320 XECMT, Ciudad Mante, Sp., Mexican rancho mx, frequent IDs as "XECM", good (CRP)

6115 0030 XEUDS, R. Universidad de Sonora, Hermosillo, Sp., Cl mx, fair - exc to past 0200 (Caldwell, Jessen)

6165 0600 XEWW, La Voz de la America Latina, Mexico City, Sp., mx & nx, fair (Jessen)

9515 1404 XEWW, La Voz de la America Latina, Mexico City, Sp., (Fisher)

NICARAGUA

5935 0450 Rdif. Nac. de Nicaragua, Managua, pop & symph mx, Sp., good. Ferguson & Sparks no longer hear 11875 (but see below-Assoc Ed) (Ferguson, Jessen, Sparks)

11875 0430 Rdif. Nac. de Nicaragua, Managua, Sp., good (Caldwell)

PERU

9453 0315 OAX6E, R. Continental, Arequipa, Sp., pop mx, weak (Sparks)

9550 0300 OAX1Z, R. Nacional, Tumbes //OAX6G, R. Nacional, Tacna, Peruvian mx, latter on 9532 & it was clear (Sparks)

VENEZUELA

4780 0400 YVLA, La Voz de Carabobo, Valencia, Sp., pop mx, in clear after s/off of R. Juticalpa 0400 (Sparks)

4870 1007 YVKP, R. Tropical, Caracas, Sp. (Fisher)

4890 0235 YVKB, Rdif. de Venezuela, Caracas, Sp (Fisher)

4917 2345 (as above) first time Ferguson hrd off 4890.

4940 1040 YVPA, R. Yaracuy, San Felipe, Sp (Fisher)

4980 0300 YVOC, Ecos del Torbes, San Cristobal, Sp., mx & nx (Jessen)

9508 1145 YVXJ, R. Barquisimeto, Barquisimeto, Sp. (Fisher)

Special: On 20 Nov 1969 the VOA broadcast the moon walk live in Sp which was relayed, live, by several LA stations. Bill Sparks of San Francisco noted it on the following stations; 4650-Rdif. del Ecuador (fair); 4755-R. Nuevo Mundo CARACOL (good); 4822-Canal Manabita (good); 4945-R. Colosal (good); 4980-Ecos del Torbes (good); 5020-Transmisoras Caldas (good); 5030-R. Continente (fair); & 6007- Radio Reloj of Costa Rica (weak)

RECEPTION REPORTS

Thanks are due to the following reporters who really "made" this column:

Dr. William G. Caldwell	Los Angeles, Calif.
Tom Christian	Seattle, Wash
Dan Ferguson	Coral Gables, Fla.
Robert W. Fisher	Los Angeles, Calif.
Wilbur H. Jessen	Eugene, Ore.
Les Gaynor	Oak Park, Mich.
Mark Koukol	Naperville, Ill.
Tom Powell	Lynchburg, Va.
Edward C. Shaw	La Mesa, Calif.
William S. Sparks	San Francisco, Calif.
Dave Williams	Astoria, Ore.

COMMENT & SOME THOUGHTS OF THE ASSOCIATE EDITOR:

Beginning with this issue, the deadlines will be "flexible", i.e., based on the deadline imposed on us by the Executive Editor. Please note Masthead. Each month I will try to include two deadlines - one for the upcoming month and one for the following month.

All reports received through 13th December were considered - and most were included.

Please list station's call sign along with name.

Please double space between each entry. This is necessary in assembling reports for editing and typing.

As its masthead says, this column covers the Western Hemisphere only. Anyone who has even the barest acquaintance with shortwave radio knows this means Latin American stations will take up most of the space as there are few SWBC stations north of the Rio Grande.

Anyone who puts pen (or typewriter) to paper can expect to be criticized - either justly or unjustly. I want constructive criticism, in fact, welcome it; "nit picking", on the other hand, is not needed and shall be ignored.

Please, when writing this column send along a stamped, self-addressed envelope if you want a reply. Postage costs can get out of hand, you know.

With the change to a "flexible" deadline I will hope for and expect to receive more reports.

Hope all of you and your families had a Merry Christmas and that 1970 will be your year.

Again, amigos mios, muchas gracias for your help - I hope it continues.

Carroll R. Patterson,
WPE4KHW.

SHORT WAVE REVIEW
EUROPE - AFRICA

Editor: Christopher R. Lobdell-149 Walnut Street-Reading, Mass. 01867

FEBRUARY DEADLINE: January 20th

MARCH DEADLINE: February 20th

EUROPE

ALBANIA
7300 0352 R. Tirana- English to NA //6200 (exc. 10 Dec)(Gaynor-Mich)
7312 0330 R. Tirana- Eng. program (poor w/jamming 2 Dec)(Caldwell-Cal)
9510 0157 R. Tirana- Eng. s/off (good)(Harrington-Colo.)
9780 0345 R. Peking (via Tirana)- Eng. program (ppor)(Benton-Ala)

AUSTRIA
11925 1955 Austrian R.- German program w/Eng. Id (good)(Christian Washington)

AZORES
4865 2300 E. Regional, Ponta Delgada- man in Port.(Ferguson-Fla)

BELGIUM
6125 0050 Radio-TV Belge- English to NA (good)(Benton-Ala)

BULGARIA
9700 0400 R. Sofia- English music (exc.)(Harrington-Colo)
9700 0401 R. Sofia- Eng. nx NA service (good 10 Dec)(Gaynor-Mich)

CZECHOSLOVAKIA
7345 0115 R. Prauge- Eng. commtry to NA (exc. 12 Dec)(Gaynor-Mich)

DENMARK
9610 0300 R. Denmark- Language program (good)(Caldwell-Cal)
15165 1245 R. Denmark- English program (poor)(Fisher-Cal)
15165 1247 R. Denmark- English to NA (good)(Gaynor-Mich)

ESTONIAN SSR
6085 1153 R. Tallinn- (tent) Russian nx & mx (good)(Patterson-Ga)

FRANCE
15120 1935 ORTF, Paris- English nx & ID (7 Dec)(MacKenzie-Cal)

GERMANY (EAST)
11840 0335 RBI- English Identification (poor)(Fisher-Cal)
9765 1930 DW- Arabic talks //9655,11795 (Ferguson-Fla)(sorry-out of order)

GERMANY (West)
15410 0030 D.W. German nx & music (good)(Heck-Colo)
17760 1530 R. Liberty- Russian program (fair)(Bill Lester-At sea)
17790 2300 DW.- IS then German program (fair)(Christian-Wash.)

GREAT BRITIAN
5990 2230 BBC- Drum IS & Eng. Id. then Greek; new fqy. (good)(Ferguson-Fla)
9825 1925 RBC- Arabic service (Ferguson-Fla)
9915 0400 BBC- English identification (Soneff-La)

HOLLAND
11730 0200 R. Nederland- English news (exc.)(Harrington-Colo)
11730 0230 R. Nederland- "Happy Station" program (exc.)(Caldwell-Cal)
17810 1340 R. Nederland- English program (excellent)(Lester-At sea)

HUNGARY
6234 0300 R. Budapest- English to NA (poor) (Caldwell-Cal)

ITALY
6010 0100 RAI- English news & music //9575 (Soneff-La)
21560 1700 RAI- English news (fair-good)(Christian-Washington)

SHORT WAVE REVIEW
EUROPE

MONACO
7290 0730 Trans World Radio- Eng. s/on (good)(Benton-Ala)
11845 1745 Trans World Radio- Eng. program (good)(Lester-At Sea)

RUMANIA
5980 2100 R. Bucharest- English nx (Haldrin-New Jersey)
9570 0430 R. Bucharest- English program (fair)(Harrington-Colo)

RSFSR (EUROPEAN)
4895 0340 UNIDENTIFIED- Russian by man & woman. Info anyone??
(Ferguson-Fla)
5015 0505 Archangelsk (tent)- Russian program //5040. Could be
Vladivostok, but unlikely (Ferguson-Fla)
5920 2210 QTH?- English program (exc.)(Ferguson-Fla)

SPAIN
9575 0100 RNE- English program to s/off (exc.)(Caldwell-Cal)
9760 2200 RNE- Spanish music (fair)(Heck-Colo)
9760 0200 RNE- English news (fair)(Harrington-Colo)
11710 0330 RNE- Spanish music (Soneff-La)

SWEDEN
9625 2045 R. Sweden- English program (good)(Bill Lester-At sea)

UKRAINIAN SSR
4940 0440 R. Kiev- Talks by man in Russian or Ukrainian (fair)
(Ferguson-Fla)

VATICAN STATE
21560 1525 Vatican R.- French program (good)(Christian-Washington)

AFRICA

ANGOLA
4820 0500 R. Angola- IS & Anthem in Portuguese (good)(Koukol-
Illinois)
4985 1700 R. Eclesia- Program in Port. (Lester-At sea)
9535 0500 R. Angola- Portuguese s/on (exc.)(Harrington-Colo)

ASCENSION IS
15235 0410 BBC- World Service to Africa (fair-good)(Benton-Ala)
21280 1435 BBC- English program (poor)(Lester-At Sea)

BIAFRA
7305 0431 R. Biafra- English program (poor)(Soneff-La)

CAMEROON
4972 2155 R. Yaounde- African mx (5 Dec)(Ferguson-Fla)
5010 2200 R. Garoua- Afro mx then s/off in Hausa (fair)(Koukol-
Ill)

CANARY IS
11800 0230 RNE- Spanish pop music (good)(Caldwell-Cal)
15365 2005 RNE- Spanish program (fair)(Lester-At sea)

CAPE VERDE IS
3883 2230 R. Clube-Praia- Port. semi-classical mx (fair)(Koukol-
Ill)

CENTRAL AFRICAN REPUBLIC
5035 2215 R. Nationale- French w/light music (good)(Koukol-Ill)

CONGO (REP)
4765 0430 Radio-TV Congolaise- Native tunes (fair)(Ferguson-Fla)
4795 0457 R. Brazzaville- IS then French sign on (Ferguson-Fla)
4843 0508 R. Brazzaville- French talks & mx (Ferguson-Fla)
15145 1900 R. Brazzaville- English from ORTF (poor)(Soneff-La)
21500 1700 R. Brazzaville- English program (good)(Lester-At sea)

SHORT WAVE REVIEWEUROPEAFRICADAHOMY

4870 0515
4870 2145

R. Dahomey- French s/on (Ferguson-Fla)
R. Dahomey- Native mx w/French anmts (exc.)(Koukol-III)

ETHIOPIA

6065 0200
11890 0530

ETLF- Program in French (good)(Caldwell-Cal)
ETLF- English s/on (poor & "watery")(Benton-Ala)

GABON

4778 0515

R. Gabon, Libreville- French talk by man (fair)(Ferguson-Fla)

GHANA

9545 2115
11850 2028

R. Ghana- English program (poor)(Soneff-La)
R. Ghana- Eng. & native tunes to NA (fair 13 Dec)
(Gaynor-Mich)

KENYA

4915 0355

V. of Kenya- In lang. w/music (good)(Ferguson-Fla)

LIBERIA

7195 0330
11740 0500
15095 2200
15375 1700

VOA, M̄hrovia- Eng. s/on (fair)(Benton-Ala)
VOA, Monrovia- S/on in English (good)(Harrington-Colo)
ELWA- Arabic religous program (Benton-Ala)
VOA, Monrovia- English Id. (exc.)(Christian-Wash)

MAURITANIA

4850 2200
4850 2215

R. Nationale- Arabic program (poor)(Fisher-Cal)
R. Nationale- Arabic mx (fair w/RTTY QRM)(Koukol-III)

MOROCCO

17800 1636

VOA, Tangier- English program (fair)(Lester-At sea)

MOZAMBIQUE

3218 0300
4855 0315
7205 0445
11780 0331
17730 1616

RCM, Lourenço Marques- Eng. pops & Ads. //11780A
(Ferguson-Fla)
RCM- Eng. Ads & pop mx //11780 (Ferguson-Ala)
R. Pax- (tent) Port. talks & mx (Ferguson-Fla)
RCM- English pops (poor)(Soneff-La)
RCM- French program (good)(Lester-At Sea)

NIGERIA

4932 0511
4932 0535
11770 1855
15255 1630

R. Nigeria- Eng. talks w/religious mx (poor)(Patterson-Ga)
R. Nigeria, Benin- English programming (Ferguson-Fla)
R. Nigeria- Eng. program (poor)(Lester- At sea)
R. Nigeria- Eng. program (exc. 22 Nov)(Fisher-Cal)

RWANDA

7225 0315
9565 0315
11925 1640

DW, Kigali- IS & Swahili s/on //9565 (Ferguson-Fla)
DW, Kigali- Swahila program (poor)(Benton-Ala)
DW, Kigali- English program (good)(Lester- At sea)

SEYCHELLES

15265 1400
15265 1410

FEBA- Testing in English to 1630 (QRM from VOA-Philippines)(Rob Bundy-Truk Is)
FEBA- Testing in English (19 Nov)(Fair)(Lester-At sea)

SIERRA LEONE

3316 2215

R. Sierra Leone- News & "United Nations report" (fair)
(Koukol-III)

SOMALI REPUBLIC

6095 1500

R. Mogadiscio- English program (fair)(Lester-At sea)

SOUTH AFRICA

7260 0430
9710 0130

Springbok R.- (tent) Program in Africaans (fair)
New Frequency?? (Benton-Ala)
RSA- English s/on (exc.)(Harrington-Colo)

SHORT WAVE REVIEWAFRICASOUTH AFRICA (cont.)

9715	0130	RSA- English to NA //9700, 11875, 15220 (good)(Soneff-La)
15170	2130	RSA- Africaans program; new freq (good)(Christian-Wash)
15200	0045	RSA- English to Eastern NA (good, but QRM)(Heck-Colo)
21545	1515	RSA- English program (exc.)(Lester- At sea)

SUDAN

4994	2140	Sudan BC, Omdurman- Arab music (5 Dec)(Ferguson-Fla)
4994	2200	Sudan BC, Omdurman- Arabic chanting to 2203 s/off (good) (Koukol-Illinois)
9510	0400	Sudan BC, Omdurman- (tent) Arabic s/on (fair)(Benton-Ala)

TOGO

5047	2200	R. Togo- In French with music (exc.)(Koukol-Ill)
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TUNISIA

6195	2245	R-TV Tunisienne- Arabic mx (fair w/BBC QRM)(Koukol-Ill)
11900	2305	R-TV Tunisienne- Arab talks to 0140 during Ramadan (Ferguson-Fla)

UNITED ARAB REPUBLIC

9470	0315	R. Cairo- English news to NA (exc.)(Benton-Ala)
9475	0200	R. Cairo- English program (good)(Soneff-La)
9755	1950	R. Cairo- (tent.) Arab vocal mx (Ferguson-Fla)

EDITOR'S COMMENT

This is my third column I've prepared for the American Short Wave Listeners club. Since the first column in November support has been growing and the Short Wave Review is improving with each edition. Thanks to the help of Art Glover, each batch of stencils has arrived without a hitch. Thanks also go to Dan Ferguson for his assistance in preparing the column. But most important, thanks go to the contributors to the section. Without them there would be no Europe-Africa section.

Thanks for your continued support. Report as often as you can.

73s & Best DX

Chris

 Associate Editor: Michael Macken, 64 Court Road, Winthrop, Massachusetts. 02152.

Deadline for SWR STATION DATA: 20th of each month

STATION DATA

SEYCHELLES. Card and personal letter direct from Victoria in forty days airmail when tape was sent for reception of 21460 transmission. Three International Reply Coupons were enclosed. Letter and card signed by QSL Secretary Brenda Bacon (last name may be Baron). Tape was sent to Far East Broadcasting Assn., P.O. Box 234, Victoria, Seychelles. QSL card is white with blue lettering, similar in size to the one used by the VOA. Gives the frequency, date, time and is signed. The following is text of the letter... "Thank you very much for your reception report and the tape which was much appreciated. Your QSL card is enclosed. We are using two kilowatt power, radiated from a log periodic antenna. Our site is 600 feet high overlooking the harbor and city of Victoria, on the east coast of Mahe, the major island of the Seychelles group. Our antenna is perched atop a mast seventy feet up, giving us a salt water path for our transmissions. At present our schedules are 0030-0330 and 1300-1630, but we have no fixed frequencies. At present we are using 11900 and 15125. Our primary target area is India-West Pakistan. (Direct) (Believe this is the first verie stateside and the best bot for this station would be to try the 16 and nineteen meter bands during the times mentioned as they'll use several during their tests.) (Check the loggins column in the African segment for the latest information)

CUBA. Radio Habana English schedule is valid until March 2nd. English you may hear to Northern Europe from 2010-2140 on 17705. To the Americas from 2050-2150 on 17715 and 11970. From 0100-0450 on 9525/then at same time until 0600 on 11865. From 0330-0600 on 11760. From 0630-0800 on 11930. (Steven P. D'Adolf)

PAPUA & NEW GUINEA. The following stations are owned and operated by the Australian Administration of Papua & New Guinea. Some English is used depending on the degree of literacy of people in English. Programming mostly in local tongues

- VL9BR Radio Rabual on 3385 with 10,000 watts from 0600-1300 and 2000-2200.
- VL9CD Radio Wewak on 3335 with 10,000 watts from 0615-1230 and 2000-2200.
- VL8BK Radio Kerema on 3245 with 250 watts from 0700-1200.
- VL8BD Radio Daru on 3305 with 10,000 watts from 0645-1200.
- VL9CG Radio Goroka on 2410 with 250 watts from 0700-1200,
- VL9CH Radio Mount Hagen on 2450 with 250 watts from 0730-1130.
- VL8AS Radio Milinò Bay on 3235 with 250 watts from 0700-1200.
- VL9BA Radio Bougainville on 3322.5 with 2,000 watts from 0700-1200
 (Steven P. D'Adolf-Marshall Islands)

UNITED STATES. The following announcement can be heard hourly over WWV: "Your attention please. The National Bureau of Standards is considering modifications in the broadcasts of Radio Stations WWV and WWVH. A survey questionnaire is being circulated to gather information on desired changes in format. Persons interested in receiving the questionnaire should write to WWV-1969, National Bureau of Standards, Boulder, Colorado. (Robert Fisher-California)

AUSTRALIA. Radio Australia morning English broadcast to North America are now heard at 1215 on 9580 and 11710. The evening transmissions remain unchanged with 15170, 17775 and 21740 at 0100. (Robert Fisher-California) (Yours truly has often wondered why more stations do not adjust their time of their broadcasts to North America especially since we move our clocks yearly. After all they do desire to be heard in prime time and answers to this are most appreciated.)

SHORT WAVE REVIEW
STATION DATA

MAURITANIA. Radio Mauritania may be heard Monday through Saturday from 0700-0800, 1200-1430 and 1800-2230. Sundays from 0800-1430 and 1730-2300. Frequencies used include 9610 with thirty kilowatts, 7245 with four kilowatts and 4850 with thirty kilowatts. Languages used include Arabic, French and Veranculars. (Robert Fisher)

MONGOLIA. Radio Ulan Bator winet schedule indicates English 1220-1250 on 17780 and 15440 and 2200-2230 on 11860 and 9540. Mr Dyod of the English department is espicially anxious to receive reports. Bob out in Truk tried the 1220 segment without any luck. So who's gonna be the first to bag them stateside? A prize of two dollars will be offered if anyone can bag them at this time on these two frdqencies. A tape recording is appreciated but is not a must to pick up this easy money. First one only and you have to be stateside. Only real DX'ers need apply to this corner for winnings. Anyone interested in these mini contests for the future? Deadline for these will be the first of the following month. (Bob Bundy, Truk District and Steven P. D'Adolf, Marshall Islands District)

UNITED STATES. The Voice pf America has launched a massive-power broadcasting campaign to break through Soviet electronic jamming. Applying three times as much power as before, the Voice of America's transmitters began broadcasting Russian language programs, November 2 simultaneously on 26 wavelengths with a total power of 5.4 million watts. Henry Loomis, Deputy Director U.S.I.A., said the ac-tion wastaken after failure to get the Soviets to halt their jamming. (NASWA)

The United States Information Agency is reducing its staff by 375, almost four percent of the agency's total force of 10,512 at home and abroad, under a Budget Bureau directive. A large number of thosed dismissed may be senior officers and specialists whose departure could have a sharp impact on such operations as foreign-language broadcasting. (New York Times News Service-Don Billingsley)

SOUTH AFRICA. RSA is scheduled until May in English to Africa from 0715-0727 on 15220 and 11900. From 0615-0627 on 9525 and 7270. Corection on those first two times it should read 0400-0412 and 0415-0427. To the M,ddle East from 0430-0442 on 17805, 15220, 11900 and 9525. To Africa at 0500-0512 on 17805, 15220, 11900 and 9525. To the Middle East from 0515-0527 on 21535, 17805, 15220 and 11990. To Nigeria and Ghana from 0645-0657 on the same frequencies. To Africa from 1100-1450 with both English and Afrikaans on 25790, 21535, 15220 and 11900. To Africa from 1600-1650 on 15220 and 11875. Again at 1700-1750 on 21535 and 17795. To Ghana and Nigeria from 2100-2150 on 15360 and 11900. To the United Kingdom and Ireland from 1900-1950 on 21480 and 11875. To the zones of Canada and the United States in fifty minute segments at 2330, 0030, 0130 and 0230 on 15220, 11875, 9715 and 9705. To New Zealand from 0800-0850 on 21545 and 17815. To Australia from 1000-1050 on 21545, 17815, and 15220. (Steven P' D.Adolf, Marshall Islands District) (By the way Steve finished in first place in the RSA contest for the Asia, Australia and Pacific area. Well done Steve and I'm sure that it was one big reason why ASWLC as a club came in second. To the others who took part thank you for showing some sprit.)

COMMENTS. So Station Data begins its second year of existence. This column needs your support and to those who have been kind enough to help out I give you my sincer thanks. I look forward to your reports again and hopefully some from the "silent majority". This column will be as good as YOU make it and as bad as YOU make it. Please report as often and frequently as poisible. First and last sermon. Commets both good and bad are more than welcome. I especially would like to know if you feel there is any room for changes. Also comments on the mini contest idea is appreciated.

Editor: Bill Migley
210 S. Maple St.
Lancaster, Ohio 43130

BCB International
All Times GMT

Jan. Deadline: Sat. Dec.27
Feb. Deadline: Sat. Jan.24

International Log

- 540 YNTT Nicaragua-Managua R. Corporacion u/XEWA w/pop mx, XEWA mull'd out w/loop antenna; 11/5 at 0245. (Lyle-Pa)
XEWA Mexico-San Luis Potosi fairly strong, slight splatter from local WMCA, at 0211. (Mayo-NY)
- 590 CMW Cuba-Havana coming in like a local at 0216. (Mayo-NY)
630 CMHQ Cuba-Santiago R. Liberacion exc signal at 0441. (Mayo-NY)
640 CMQ Cuba-Havana exc w/no QRM at all at 0603 and can be heard any night after 0000. All Spanish. (Laurier-NY)
- 650 KYAK Alaska-Anchorage on new freq. w/exc signal 0730 10/27 w/request C&W mx prog. KORL looped. (Sadoian-Calif) Just possibly in here on MM 11/17 just after 0900. Vry weak w/what sounded like C&W mx, but KORL came in and began to take over. Soon after WSM came on w/carrier & tests. Alarm didn't go off so I missed the next MM completely, and a SS occupied this channel 12/1. So I'm still looking and hoping. (Migley-Oh)
- 737 Spain-Barcelona RNE 11/7 2230-2300 good signal, audio on par with 683 kc. First time this season for me. (Sundstrom-NJ)
- 750 KFQD Alaska-Anchorage 0945 11/17 w/CBS church program; best ever heard here. (Sadoian-Calif)
- 760 KGU Hawaii-Honolulu hrd w/R&R mx at 1340 11/9; good signal. (Ferry-Calif)
782 CS199 Portugal-Miramar fairly good signal and audio 2245-2300 11/7. (Sundstrom-NJ)
800 PJB Neth. Antilles-Bonaire a cinch from 0320 to fadeout at 0335 w/mx and a news program. CKLW mull'd out. (Laurier-NY) Noted at 0248 w/slight QRM from CKLW and XELO. (Mayo-NY) Comes and goes, logged 11/5 at 0130. (Lyle-Pa)
- 823 TGTO Guatemala-Guatemala City R. Internacional 11/12 at 0310 w/ID and into talk. Fair signal w/no QRM from TIOS. (Sundstrom-NJ)
- 825 TIOS Costa Rica-San Jose R. Titania 11/12 at 0305 w/ID and records. (Sundstrom-NJ)
830 KIKI Hawaii-Honolulu hrd w/mx at 1355 11/1 w/fair signal. (Ferry-Calif) Exc 0652 11/11 w/rock mx ads, real good o/WCCO. (Sadoian-Calif)
JOB B Japan-Osaka exc here w/NHK Japanese program at 1350 10/20; NHK pips (...) on the hour. Only Japan station hrd that AM. (Sadoian-Calif)
- 834 British Honduras-Belize R. Belize noted 11/5 at 0125. (Lyle-Pa)
850 UnID-a Spanish station in the morning w/rock ID like WABC's as "Radio Granday"; who? (Clark-Fla)
- 855 PJCZ Neth. Antilles-Curaco-Willemstad R. Curom 11/12 0400 ID, s/off and anthem to 0405. Het on low side probably Peru-854, became faintly audible w/a woman singing, but too weak to ID. (Sundstrom-NJ)
- 880 TGJ Guatemala-Guatemala City clear at 0510 11/11 w/Spanish mx & ID's; exc signal. (Sadoian-Calif)
- 957 YNLU Nicaragua-Managua R. Managua 11/12-0320 mx, 0330 ID & nx(?), 0334 ID and records. Very clear ID taped 0337, ID apparently being given after each record. Must be ex-965 as nothing is audible there. Still on 957 11/18 noted at 0300. (Sundstrom-NJ)
- 1015 YSC El Salvador-San Salvador R. Internacional 11/12 0353 ID followed by mx. (Sundstrom-NJ)
- 1020 ZCO Tonga Islands-Nuku'alofa here 0740-0830 11/2 o/n/KDKA. Faded in cycles-when KDKA faded out, ZCO was in real strong 95% readable. Program was English talk until 0746 when program in unID lang began. English again at 0805. (Sadoian-Calif) This is a fine catch for anyone, a rare one indeed, but it does make its appearances. Hrd on East Coast also as it is reported a couple times each winter. Watch on MM's around 0800 or so. It would be one fine way to start the week, hi.-ed.
- 1040 UnID-R. Caribe in Spanish at 0000. who? (Clark-Fla)
1090 China-probably-blasting in at 1025 11/17, only faded once in 1/2 hr. Unmistakable Chinese song-same as on SWBC-I believe their anthem, at 1030. (Sadoian-Calif)

BCB International

- 1124 Libya-the brand-new 1 million watt station at Bayda went into operation on 11/6 and was logged here in Mass. the next day, 11/7 at 2255 in Arabic with very strong signals. This one is now being heard w/good signals most afternoons around 2225 in Arabic; distinctive chimes at 2230. Heard at least some days in Spanish around 2245 also; so don't confuse Spanish on this channel w/the 10 kw EAJ15 station in Barcelona. I've got a feeling he'll be moving pretty soon anyhow. Libya not needed as a new country as I got the 1 kw FBS station on 833 some years ago, but this will be a new country for almost everyone else in North America. (Nelson-Mass)
- 1140 Philippines-Poro VOA here 1059 11/3 w/VOA IS, Eng ID, then into lang. Vietnamese, I think. (Sadoian-Calif)
- 1160 UnID-a Spanish station every evening and all morning, very clear, no ID. Ancr plays a record and then knocks on the table and says a few things, then knocks on the table again. He plays another record and does it all over again. who?(Clark-Fla)
- 1200 HIDV Dominican Republic-La Vega R.Santa Maria in at 0248 to fade out at 2151. (Mayo-NY)
- 1203 TIQ Costa Rica-Puerto Limon weak w/Eng anmts, mx, 0520 11/17. S/off is at 0602 every day. (Sadoian-Calif)
- 1205 Sierra Leone-Freetown probably the one at 0627 10/26 w/weak audio. Solid logging 11/18 0555 w/flute IS to 0600 s/on. (Sadoian-Calif)
- 1214 England-BBC Radio One in at 0502 10/26 & 10/27 w/weak signals. Also, heard w/local strength 0602 11/2- a good TA day here in Calif. (Sadoian-Cal)
- 1235 ZBM1 Bermuda-Hamilton 11/12 0420 w/pop mx show. Standout signal even w/rcvr bandspread wide open. (Sundstrom-NJ)
- 1466 3AMZ Monaco-Monte Carlo 11/7 & 11/8 at 2230 & 0500; good both times. Splash from 1470 at 0500, audio fair. (Sundstrom-NJ)
- 1475 RSFSR-Vladivostok exc here 1010 11/17 w/Japanese prog. Best ever hrd. Location via QSL. (Sadoian-Calif)
- 1550 RSFSR-Khabarovsk 0945 11/17 real good signal dominating 1550 while looking for 4QD. 6 pips at 1000; in Russian. (Sadoian-Calif)
- 1554 France-Nice RTF 11/7 & 11/8 at 2230 & 0545. Weak at 2230, but quite good at 0545; ID at 0600 then news. (Sundstrom-NJ)
- 1586 West Germany-Langenberg noted at 2350 10/26; seemed to be in German, time pips on the hour; good signals. (Sadoian-Calif) 11/8 0545 carrier strength strong, but low audio suffered splash QRM from 1590. (Sundstrom-NJ)

Eastern Log

- 740 WDAK Georgia-Columbus heard thru crowd at 2240 11/5. (Lyle-Pa)
- WDXN Tennessee-Clarksville also in on SSS (sunset skip) 11/5 at 2245. (Lyle-Pa)
- KNOE Louisiana-Monroe weak at 2305 11/5. (Lyle-Pa)
- KWMT Iowa-Ft. Dodge good signal here from 2250 to 2300 s/off 11/5. (Lyle-Pa)
- CBK Saskatchewan-Regina hrd w/mx left over from the 1920's at 2315 11/5. (Lyle-Pa)
- 560 KLVI Texas-Beaumont in at 0212 11/12 w/ad and mx. (Sprague-Kans) Do they QSL?-ed.
- 590 WARM Pennsylvania-Scranton logged at 2200. (Halprin-NJ)
- 640 KFI California-Los Angeles thru CMQ at 0500 11/1. (Campbell-Mich) Logged 11/8 at 0530 w/ID & news headlines o/CMQ using loop; good signal. (Sundstrom-NJ)
- 690 WTIK Louisiana-New Orleans fair at SSS 2257 w/R&R mx. (Boomer-WVa)
- 730 CKAK Quebec-Montreal in French good w/mx and talk 11/1 0049-0052. (Laurier-NY)
- 800 CJAD Quebec-Montreal good w/nx 11/12 at 0005. (Laurier-NY)
- 850 CKVL Quebec-Verdun good in French 11/12 at 0018 w/mx & ID. (Laurier-NY)
- KOA Colorado-Denver good signals 0501-0505 then faded and was overcome by CKVL. Quite excited over this one-new state. (Laurier-NY)
- 870 KJIM Texas-Ft. Worth logged at 2217 11/12 w/WWL w/mx, and wx. Texas #46. (Sprague-Kans)

ECB International

- 880 WRRZ North Carolina-Clinton best catch in a while; using loop ant nulled out local powerhouse WCBS to catch this 1 kw'er at s/off. Had good signal with some fading. (Laurier-NY)
- 910 KGLC Oklahoma-Miami good w/C&W mx at 0515. (Campbell-Mich)
- 930 WKY Oklahoma-Oklahoma City good w/rock mx 11/3 at 0600. (Campbell-Mich)
- 940 WCPC Mississippi-Houston exc at 2245 SSS. (Campbell-Mich)
- 950 WPEN Pennsylvania-Philadelphia fair w/QRM at 0335 11/18 w/pop mx. (Laurier-NY)
- KPRC Texas-Houston 0353 10/27 w/mx and wx. (Sprague-Kans)
- KDSX Texas-Denison 0356 10/27 wx, ID, ad for Gibson Discount Stores. (Sprague-Kans)
- 1000 WVOV Alabama-Huntsville o/WCFL at 2243 SSS 11/8 w/sign off. "The V. of the Tennessee Valley". (Boomer-W. Va.)
- 1010 CBR Alberta-Calgary 0631 11/8 in w/mx & ID. (Sprague-Kans)
- 1050 WCMS Virginia-Norfolk hrd 10/27 0500 to past 0600 w/DX Special for IRCA o/CHUM & XEG. Signal not particularly good even w/CHUM nulled. (Sundstrom-NJ)
- 1160 KSL Utah-Salt Lake City in like a local 0237-0240 11/18 w/business report. (Laurier-NY)
- 1260 KGBX Missouri-Springfield at 0300 11/10 very weak w/ID into news. (Sprague-Kans)
- 1280 WDSU Louisiana-New Orleans logged 11/10 at 0305 w/New Orleans Buccaneers ABA Basketball. (Sprague-Kans) Now that basketball season is here let us know which stations carry games-both pro and college-ed.
- 1330 KFH Kansas-Wichita good w/all night telephone talk. (Campbell-Mich)
- 1360 WBAY Wisconsin-Green Bay good w/MoR mx at 0510. (Campbell-Mich)
- 1440 WHHH Ohio-Warren at 0100. (Halprin-NJ)
- 1540 CHIN Ontario-Toronto 11/17 dominating at s/off 2300 SSS w/exc signal--in car. (Sundstrom-NJ)
- 1550 KKJO Missouri-St. Joseph in at 0050 11/12 w/wx & mx u/very strong WOKJ. (Sprague-Kans)
- 1560 KRCB Iowa-Council Bluffs hrd w/farm report at 2215 SSS. (Campbell-Mich)
- 1580 CBJ Quebec-Chicoutimi at 0013 fair w/French talk. (Laurier-NY)

Western Log

- 550 KOAC Oregon-Corvallis hrd w/s/off at 0500 10/31. (Ferry-Calif)
- 580 KWIN Oregon-Ashland hrd w/anmt at 0505 10/31; poor signal. (Ferry-Calif)
- 610 WDAF Missouri-Kansas City hrd w/"The temp. in K.C. is---" at 0415 11/11; poor signal, QRM from KVNU. (Ferry-Calif)
- KVNU Utah-Logan hrd w/fair signal o/WDAF at 0415 11/11. (Ferry-Calif)
- 740 KTRH Texas-Houston hrd at 1155 11/10 w/fair signal. (Ferry-Calif)
- 750 KMMJ Nebraska-Grand Island hrd w/sports at 1230 MM 11/10; good signal, QRM from KXL ET (equipment test). (Ferry-Calif)
- 860 CJBC Ontario-Toronto hrd in French w/mx at 1150 11/10; fair signal; province #5. (Ferry-Calif)
- 900 CJVI British Columbia-Victoria hrd w/R&R mx 1313 11/8; good signal. (Ferry-Calif)
- 940 KIXZ Texas-Amarillo hrd at 1225 11/10 w/good signal. (Ferry-Calif)
- 990 CBW Manitoba-Winnipeg hrd w/"Music after Midnight" at 0615 10/31; poor signal; province #4. (Ferry-Calif)
- 1050 KUPK Kansas-Garden City hrd at 1330 s/on 11/9 w/fair signal. (Ferry-Calif)
- 1110 KFAB Nebraska-Omaha hrd w/news at 1130 11/10 while local KRLA was off; good signal. (Ferry-Calif)
- 1190 KEX Oregon-Portland hrd w/mx at 1125 11/10 while local KEZY was off. These MM's are sure something!! (Ferry-Calif) That's what we keep telling everyone, Dave-ed.
- 1270 KBNZ Arizona-Mesa hrd w/fair signal at 0800 10/24 & 10/25. (Ferry-Calif)
- 1510 KGA Washington-Spokane hrd at 1235 11/10 w/good to exc signals. (Ferry-Calif)

That takes care of the loggings this month, and it looks like most of the WC DXers are missing out on some fine listening opportunities. Maybe over the Christmas holidays you'll have a chance to warm up the ole rig.

"SWL"

JANUARY 1970

BCB International

DX Calendar

Mon. Jan. 12	CBT	540	Grand Falls, Nfld.	10kw	0430-????	GMT	NNRC
	WJAG	780	Norfolk, Nebraska	1kw	0610-0830	GMT	IRCA/NRC
	WNXT	1260	Portsmouth, Ohio	5kw	0700-0715	GMT	NNRC/NRC/IRCA
Mon. Jan. 19	CBA	1070	Sackville, N.B.	50kw	0600-????	GMT	NNRC
	KCMJ	1010	Palm Springs, Calif.	1kw	0815-0915	GMT	IRCA
Mon. Jan. 26	KAWL	1370	York, Nebraska	500w	0601-0705	GMT	NRC/IRCA
	KBIG	740	Avalon, California	10kw	1000-1100	GMT	IRCA
Mon. Feb. 2	CBAF	1300	Moncton, N.B.	5kw	0600-????	GMT	NNRC
Sun. Feb. 15	WSNO	1450	Barre, Vermont	1kw	0600-????	GMT	NNRC
Mon. Feb. 16	WHBC	1480	Canton, Ohio	5kw	0700-????	GMT	NNRC

ASWLC 1969-1970 Winter BCB Contest

	Score	States	Provinces	Countries	Foreign Stations	Total Stations
Boomer-WVa	836	28	4	8	23	201
Campbell-Mich	624	32	4	4	2	154
Ferry-Calif	908	28	5	8	18	198
Laurier-NY	474	23	3	4	2	114
Mayo-NY	531	21	2	7	7	91
Migley-Ohio	1037	36	6	11	25	217
Sadoian-Calif	204	2	0	6	5	9
Sprague-Kans	525	..	..	..	..	..

I want to apologize for BCB-I missing from last month's "SWL". Because of that, some information is dated but not necessarily unimportant now; and statistics and contest totals need updating. Don't forget to include them in your reports for Feb. BCB-I.

<u>Statistics</u>	States	Provinces	Countries	Stations
Bochantin-Ill	33/31	5/5	10/6	244/61
Boomer-WVa	40/38	7/7	18/12	357/65
Bundy-E.Caroline Is.	7/7	1/1	32/15	237/33
Campbell-Mich	32/..	4/.	4/.	154/..
Ferry-Calif	28/25	5/4	8/3	198/51
Migley-Ohio	45/44	8/8	24/15	481/289
Sadoian-Calif	39/38	5/5	24/11	192/127
Sprague-Kans	33/25	1/1	5/2	291/37
Sundstrom-NJ	41/..	7/.	48/..	528/...

TV DX might be observed by chance during this part of the year. An opening was observed here in Ohio 12/23 w/KNOP-2 and WESH-2 identified. Jack Widner reports that he also is a TV DXer and has logged 5 states w/no outdoor antenna-just rabbit ears. A friend of his who lives just down the street tried it w/only rabbit ears also, and got Midland, Texas (probably KMTD-2-ed.). Jack lives in Indianapolis, Indiana.....Jim Bochantin now has a Heathkit GD-125 Q-Multiplier on his SW-4A rcvr. Results are impressive-the BCB split channel stations come through better-R.Belize sounds like a local.

A reminder to BCB DXers concerning books/publications you should have....There's the World Radio-TV Handbook--lists all BCB stations in the world (except North American stations under 1kw) by frequency--including call, location, power, and antenna/operational characteristics (directional antenna, limited time operation, etc). Also, there is the Vane Jones Log which lists all TV, FM, and BCB stations in North America by frequency, by location, and by call letters. Now in its 5th edition, the 6th edition is due for June 1970.

BCB International

ASWLC 1969-1970 Winter BCB Contest

	Score	States	Provinces	Countries	Foreign Stations	Total Stations
Campbell-Mich.	624	32	4	4	2	154
Boomer-W.Va.	560	24	4	5	.	155
Mayo, N.Y.	531	21	2	7	7	91
Laurier-N.Y.	484	23	3	4	2	114
Sprague-Kans	459	..	.	.	.	...
Sadoian-Calif.	204	2	0	6	5	9

BCB Contest- anyone can enter and everyone should. Points are awarded as:

- Each BCB state logged.....10 points
- Each BCB province logged.....10 points
- Each BCB country logged.....25 points
- Each BCB foreign station logged.... 5 points (stations outside of continental U.S. & Canada.)
- Each BCB station logged..... 1 point

All stations logged between 0000 GMT 10/1/69 and 0000 GMT 4/1/70 count in the scoring. Verifications do not enter into the contest. All you have to do is count up the number of stations you have heard under each category and total up your points. If you've heard 26 states and 4 provinces, you've got 260 plus 40 points. 10 foreign stations plus 180 total stations equals 50 plus 180 points, and so on. Please do not confuse these totals with your statistics (see below) which are a record of your logged/verified stats at your location as long as you've been DXing from there. So send in your contest totals and your statistics with your next report and be sure to enclose your totals for each category, also.

An added bonus: Each ASWLC DX Special logged will count a bonus of 25 points in addition to the points you would normally have received (due to it being a new state, province, etc. for your totals). Don't miss the KIRV-1510 DX Special.

Statistics- (logged/verified)

	States	Provinces	Countries	Total Stations
Bochantin-Ill	33/31	5/5	9/6	229/59
Boomer-W.Va.	39/38	7/7	18/12	357/65
Bundy-E.Caroline Is	7/7	1/1	32/15	237/33
Campbell-Mich	32/.	4/.	4/..	154/..
Migley-Oh	45/44	8/8	24/15	404/287
Sadoian-Calif	39/38	5/5	24/11	192/127
Sprague-Kans	33/23	./.	../..	278/...
Sundstrom-NJ	41/..	7/.	48/..	528/...

Tips: two stations to try for, especially in Eastern areas, are WKVM-810 San Juan, Puerto Rico, and ZBVI-780 Tortola, British Virgin Is. WKVM-810 broadcasts in Spanish & is regularly heard here at BCB hqtrrs just prior to its 0400 s/off. Always w/WGY looped reception is never good overall but does come in at times w/a real fine signal. Trouble is, though, if conditions are excellent to the south HJCY Bogota, Colombia, usually is strong & drowns out WKVM. In any case, look for WKVM & HJCY. Both usually have Spanish music; WKVM then has s/off anmt in Spanish, a short piece of music, then English s/off anmt followed by SSB (Star-Spangled Banner) all around 0358. HJCY then signs off at 0400 in Spanish followed by their NA.

ZBVI has been heard lately (details next month) at their 1000 s/on. Look for this rare country on 780 kc on Monday Mornings as they s/on in English at 1000. There may be QRM from other stations, particularly from WBBM who may be on w/tests. But don't pass up this opportunity.

This month's reporters:

Chuck Sadoian-Dinuba, Calif. (HQ-100)	Tom Sundstrom-Willingboro, N.J.	Merry
Dick Clark-Ft. Lauderdale, Fla.	Virginia Lyle-Pittsburgh, Pa.	Christmas,
Gordon Nelson-Watertown, Mass.	Paul Mayo-Brooklyn, N.Y.	Happy
Dan Laurier-Walton, N.Y.	Steve Sprague-Coffeyville, Kans.	New Year,
Peter Campbell-Ann Arbor, Mich.	David Ferry-Fullerton, Calif.	73's, BILL
	Bob Halprin-Fair Lawn, N.J.	

Editor: Paul Mayo, 2409 Ocean Parkway, Brooklyn, New York 11235

Deadlines: For Feb "SWL": Jan 19. For March "SWL": Feb 18.

All Times Are GMT

From The Log

North & Central America

BARBADOS:
 7400a 0600 C&W Ltd, Bridgetown SSB usual TT (Franklin)
 13128 0008 8PO, Bridgetown CW "CQ" Mkr (Koukol)

BERMUDA:
 10635 1330 C&W Ltd, St Georges SSB usual TT (Mahler)
 10655 2210 " " " " (Tafel)
 11472 2210 " " " " (Mahler)
 11585 0147 " " " " (Tafel)
 17285.6 2025 VRT, Hamilton CW "CQ" Mkr (Koukol)

CANAL ZONE:
 11185 0254 ACA, Quarry Heights SSB Eng TT Strg(Tafel)

COSTA RICA:
 7795 ---- Radiografica Costarricense, San Jose, E/Sp TT(Franklin)
 10910 0125 " " " " (Mahler)

HONDURAS:
 11100a 0030 TRT, Tegnuagalpa SSB Eng/Sp TT (Franklin)

MARTINIQUE:
 10176 0755 FTS, Ft de France SSB Eng/Fr TT (Franklin)

MEXICO:
 20150 1828 Mexico PTT (QTH?) SSB Sp TT (Koukol)

NICARAGUA:
 4937 0423 TRT, Managua SSB Eng/Sp TT (Mahler)
 10770 1304 " " " " (Mahler)

PANAMA:
 10670 2230 TRT, Panama City SSB Eng/Sp TT (Mahler)
 20700a 1747 " " " " (Mahler)

PUERTO RICO:
 16005a 2047 NAU3, Ft Allen SSB Eng TT (Koukol)

ST PIERRE & MIQUELON:
 16352.5 1643 FTS, St Pierre SSB Fr QSO w/Paris(Koukol)

U.S.A.:
 5805a 0045 AFA, Andrews AFB SSB Eng TT (Koukol)
 8878.5 0109 Boston CG SSB testing (Franklin)
 10115 1247 ATT, Ft Lauderdale SSB usual TT (Tafel)
 10515 ? ATT, White Plains NY " " " (Mahler)
 10902 ? ATT, Ft Lauderdale " " " (Mahler)
 19150 0020 ATT, Oakland, CA " " " (Tafel)
 26103 2118 WPD, Tampa, Fla CQ Mkr w/ slo long pauses (Hauser OKL)

South America:

FRENCH GUIANA:
 6750a 0536 FTS, Cayenne SSB Eng/Fr TT (Franklin)

SURINAM:
 23390 1555 PZD23, LTT, Paramaribo SSB Eng TT (Hauser, COL)

VENEZUELA:
 10315 0715 Ven Tel Co., Caracas SSB Eng/Sp TT (Franklin)
 18105a 2036 Caracas Radio T&T SSB Eng/SP TT (Tafel)

HAPPY NEW YEAR TO ALL!!

"SWL"

COUNTRY CHASER'S CORNER

JAN 70

Europe

AZORES:

6738 2340 Lajes AFB SSB Eng QSO w/Andrews AFB (Koukol)

BELGIUM:

23570 1804 Bruxelles PTT SSB Eng/Fr/Dutch TT(Hauser Col)

ENGLAND:

12182 2220 GWC,BBC fixed, Daventry SSB 2230 ID, London calling Asha (Hauser Col)

18982a 1635 Br PO, London SSB Cond B TT (Tafel)

21815 1047 Br PO, London SSB TT (Mahler)

FRANCE:

10410 0234 FTS, Paris SSB Eng/Fr TT (Tafel)

18670 1759 " " " (Mahler)

19686 1217 " " " (Tafel)

19686 1605 " " " (Tafel)

26200 1535 " " " (Hauser Col)

GERMANY, WEST:

25350 1707 RFE fixed to Port Czech ID at 1710 (Hauser Col)

GREECE:

20430 1339 HTO, Athens SSB Eng/Greek TT(Mahler)

ITALY:

10710 2208 Maritime R&T, Rome SSB Eng/ Ital TT(Mahler)

14995 2245 Italia Cable, Rome SSB Eng/Ital TT (Koukol)

19489 1226 " " " " Eng/Fr/Sp TT(Tafel)

23435 1327 " " " " (Tafel)

POLAND:

7334 2346 R&T Stn, Warsaw SSB Eng TT (Tafel)

SWITZERLAND:

19476 1235 Swiss RT&T Service SSB E/Fr/Sp TT (Tafel)

YUGOSLAVIA:

20286 1215 Radio T&T Stn AM Eng TT (Tafel)

Africa

CONGO, REP OF (BRAZZAVILLE):

25350a 1345 FCR, Brazzaville SSB Fr TT (Koukol)

ETHIOPIA:

20600a 1830 AET, Asmara SSB Eng TT (Koukol)

SOUTH AFRICA:

13775 2350 ZUD77, Olifontfontein SSB ENG/AFR TT (Tafel)

26135 2042 ZUD206 " " " (Hauser Col)

Asia

HONG KONG:

9500a 0955 C&W Ltd SSB Usual TT (Franklin)

18810a 2315 " " " " (Koukol)

SAUDI ARABIA:

23235a 1222 PTT, Jeddah SSB Eng /Arab TT (Tafel)

SINGAPORE:

17266.4 2349 GYS6, BrN, Kranji CW "V" Mkr (Koukol)

TAIWAN:

14985 0042 CGRA, Taipei SSB Eng TT (Koukol)

U.S.S.R., ASIAN:

15000 0110 RID, Irkutsk CW "V" Mkr ID & Time pips (Koukol)

Oceania

HAWAII:

23595 1912 AGA, USAFCS, SSB long count mkr (Hauser Okl)

"SWL"

COUNTRY CHASER'S CORNER

JAN 70

TAHITI:

24770 1830 AFPT, Papeete SSB Eng/FrTT Bad Mod (Hauser Col)
Omission...Sorry!

JAMACIA:

5566 0210 6yI CW "CQ" mkr QRM Shannon (Info?) (Bradley)

VENEZUELA:

8730 0932 YVG, Caracas CW "V" mkr (Bradley)

QSLs

Azores; CUG, Ponta Delgado sent verie w/fullinfo airmail in 17 days
v/s initialled & illegible (Addr de Aug CCC!) (Bradley)

Greece: HTO, Athens sen t very large blue card w/full info in 6
weeks & 1½ years respectively, 1 IRC SEnt (Mahler)(Koukol)

Mexico; PTT 20150 sent long Sp letter registered air from Jorge suarez
Diaz. Letter has full info, 1 IRC & Sp Report. (Koukol)

Panama: TRT, Panama City sent card(9132.5) in 5 months &(3177) in
8 months via Surface; v/sGregory Nixon. (Franklin)

CREDITS

Thanks this month to:

J.M. Bradley, Daytona Beach, Fla.

Gary Franklin, Salinas, Cal.

Glenn Hauser, Denver, Col & Enid
Oklahoma.

Mark Koukol, Naperville, Ill.

Dr. Donald Mahler, Newton, Mass.

Edward Tafel, Syracuse, N.Y.

ALASKAN LORAN

The Alaskan Loran-C Chain operates the following SSB stations:

"Cape Sarichef Loran

Cape Sarichef, Alaska 99695

"Sitkinak Loran"

Sitkinak Island, Alaska 99697

"Adak Loran"

Adak Island, Alaska

"St. Paul Loran"

St. Paul Island, Alaska

"Attu Loran"

Attu Island, Alaska

"Port Clarence Loran"

Port Clarence, Alaska

This net use the following frequ's at various times. When time is list
ed its been heard then in recent months.

<u>Channel</u>	<u>kHz.</u>	<u>GMT</u>	<u>Channel</u>	<u>kHz.</u>	<u>GMT</u>
1	2749.5		6	7442.5	1600-0000
2	2810.5	0800-1600	7	7472.5	
3	5318.5		8	10370.5	
4	5423.5	0000-0800	9	12148.5	
*5	5697.5		10	12151.5	

*Also used by Kodiak Radio

Addr: Commanding Officer

USCG Air Station

Kodiak, Alaska

All Loran Station reports should be addressed to : The Commanding
Officer, USCG Lorsta, Place of Station. In most cases the station will
probably confirm a correct report. All Loran traffic is SSB/or/RTTY.
SSB is used 75% of the time.

Till next month 73's

Paul

"SWL"

JANUARY 1970

Jack White
780 NW Wallula
Gresham, Oregon 97030

P R O P A G A T I O N

A GLANCE IN THE XTAL BALL

At this time of the year one usually encounters prognostications covering many subjects for the forthcoming 12 months . . . Since this column concerns itself with forecasts, a look toward what 1970 holds for the SWL seems appropriate.

A noticeable shift in the general propagation patterns of the past 2 or 3 years will likely become apparent by mid year influenced mainly by the declining sun spot curve. Statistically the current cycle reached its peak during late 1968 and held traditionally high values throughout 1969, but it may now be expected to diminish steadily until minimum values are reached sometime around early 1972 where they will remain until perhaps 1976.

What this means to shortwave broadcasting is that the higher bands of the spectrum which have been very effective for long distance transmissions since late 1967 will gradually decrease in overall usefulness for this purpose and inter-continental broadcasting will shift slowly down the dial. By this time next year many of those long-haul 25 mHz signals will be only memories until 1978 or so. The wise DXer however will not grieve too long over this turn of events ~~however~~ because as the higher bands close down, the lower ranges become more effective. Looking at it from the very bottom of the shortwave spectrum, reduced solar activity means less ionospheric signal absorption (and therefore less power loss) . . . and who among us couldn't use an extra decibel or two added to most 60 and 90 meter band signals ? ? ? Additionally, maximum possible low end path lengths across the darkness span will be longer in the fall and winter of 1970, opening up a bit more of the world on frequencies below 6 mHz. So you see, by being aware of the trends as they are developing, the SWL can adapt himself to them . . . The DX will certainly still be out there, its just that it moves about a bit now and then.

AVERAGE SUN SPOT VALUES - CYCLE #20			
1964	10	1970	86*
1965	17	1971	67*
1966	50	1972	42*
1967	88	1973	28*
1968	106	1974	18*
1969	104*	1975	15*

* Predicted smoothed numbers

SPRING 1970: In general, the period of the equinox shouldn't be too different than than the comparable period of either 1968 or 1969, and the possibility of disrupting solar outbursts should be somewhat less. As summer approaches however, the resemblance will disappear considerably. The 16 meter band will still offer some good DX possibilities for Europe during the mid day and the late afternoon to early evening being fair for East Asia. A particularly good opening into Southern Africa could materialize about mid to late afternoon. For the 19 meter band, there appears to be some excellent reception from Eastern Asia possible during the evening which could improve as summer approaches. Also later in the spring, an all daylight path from the Central Asian region could be outstanding following sunrise. Europeans look fair to good through mid day and Africans appear best near sunset. As the season goes on, more lengthy 25 meter band openings are to be expected. Peak reception from the east should occur during mid to late evening with the best from the west just before sunrise. Those wishing to attempt a shot half-way around the world into Central Asia should try about that time. African paths appear satisfactory from mid evening through perhaps midnight in some areas when southerly reception patterns will shift toward the Pacific. In the case of the 31 meter band, the long nighttime openings of the current winter season will shorten following the equinox. Early in the season African reception may appear fairly regularly in the mid evening hours and the midnight to dawn period could well be fair to good for the Pacific. Some fairly good short-haul possibilities into Latin America above the equator should not be overlooked during the evening hours. For the 41 and 49 meter bands, early March through mid April offer some fair cracks at lower Africa following sunset and SE Asia area just prior to dawn. European reception of varying quality is anticipated for the evening hours, and the same may be said for signals from the west after midnight. The annual curtain will slowly fall for long-haul DX on the 60 and 90 meter bands as daylight lengthens and noise levels rise with the coming of summer.

SUMMER 1970: Daytime operating frequencies will be varying through the 16 to 22 MHz range producing off-again on-again DX on the 16 meter band during the afternoon and evening hours. Utilities hunters although might find considerable activity particularly from the south near this range during most of the daylight hours. The 19 meter band should produce well from dawn through late evening with peak openings following the regular daylight patterns - Middle East right after sunrise, followed by Africa and Europe a bit later in the morning, shifting to Latin America near noon, and headed westward by mid afternoon. A word of advise would be to screw down on the receiver bandpass during the afternoon as it looks wide open from several directions at that time and the QR_M could get a mite thick. Late evening through dawn openings should be productive on the 25 meter band generally following darkness hours westward. Some fairly good southerly reception also appears likely in the late afternoon and early evening period. The 31 meter band should generally be similiar to 25 meters although peak openings will come a bit later and closing occuring more abruptly. One notable opening into lower South America during the mid evening period could produce quite well on many occasions. All darkness paths will be the rule for both the 41 and 49 meter bands with the furthest distance possibilities coming after sunset toward the east and near dawn to the west, the latter being the better of the two. Some African reception may be expected from mid evening until midnight with Asian and Pacific stations appearing a bit later and improving as the night wears on. Limited southbound short-haul DX is about all that can be expected from the 60 meter band but once in a while this might produce fairly well for patient static sifters.

AUTUMN 1970: Improving conditions for the 16 meter band will be noted although the duration of the openings, and therefore the east-west distance potential, will slightly decrease as winter approaches. Toward the southern hemisphere, utilities DX could be outstanding during daylight for frequencies near or slightly above this span. On the 19 meter band daytime DX will become a little less frequent, but the evening hours until quite late could easily produce some excellent mid Asian reception on many nights. The possibility of "off-beat" reception such as Europeans beaming to either Africa or Asia etc also seems rather likely occasionally during the pre midnight hours. Long distance openings on the 25 meter band will diminish somewhat later in the season although some excellent, but perhaps brief, cracks at Mid East/North Africa appear likely following sunset with fair chances at East Asia coming after midnight. Some rare ones may pop up on the 31 meter band for maximum darkness paths especially near midnight for Europeans and Africans. The best shots of the past few years into East Africa on the 41 and 49 meter bands seem likely during the early evening and likewise for South Central Asia near dawn. Latin Americans below the tropics not heard often recently may again appear near their sign off times. As winter nears, the 60 meter band will again come into its own and hopefully bring a few more minipowered local broadcasters into the log. The auroral complications of 1969 should be reduced in both prevalence and intensity allowing more stable overall reception for the season.

There it is, a glance at what to expect throughout most of 1970. As the year unfolds it of course will become possible to be more specific regarding reception; from certain regions, but taken in general the foregoing offers a basis around which to plan DX activities.

AUSTRALIS-OSCAR 5

According to the latest information, blast-off is scheduled for 9 January 1970. All systems are 'Go' and DXers the world over are invited to report their loggings (see SWL-Propagation Dec 69). Although this is a program developed by Hams, we of the Amateur Radio Satellite Corp (AMSAT) urge enthusiasts in all facets of the radio hobby to participate in this project designed to gather useful information toward the goal of improving techniques for non-commercial non-governmental use of the air waves. Additionally, the findings are to be made available to any interested party anywhere in the world, so let's show 'em that ASWLC members subscribe to the principles on the masthead.

Best for the coming year and 73,

Dave

WORLDWIDE PREDICTION CHART JAN 15 - FEB 15

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE MID EAST N AFRICA	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	AUSTRALIA SOUTH PACIFIC
0000 to 0300	E	49G 60F 31F	31G 25F 49F	16G 19G 25F	31G 49F 60F	16F 19F
	W	25F 31F 49F 60F	25G 31F	16G 19G	31G 25F 60F	16F 19F
0300 to 0600	E	49G 60G	31G 25F 49F	19F 25F	31F 41F 49F 60F	16G 19F 25F
	WW	49G 60G	31F 49F	16G 19G 25F	25F 31F 49F 60M	16F 19F 25F
0600 to 0900	E	49G 60G	31F 49F 25M	25G 31F 49F 60M	31G 49F 60M	25F 31F 49M
	W	49G 60G	31G 41F 49F	25F 31F 49F 60M	31F 49F 60M	25F 31F 49F 60M
0900 to 1200	E	49G 60F	31G 41G 49F	31F 49F 60M	25F 31F 19M	31F 49F 60F
	W	49G 60G	31F 49M	31F 49F 60F	49F 31F	31G 49G 60F
1200 to 1500	E	31F 49F 60M	16G 19G	16G 19G 25F 49F	16G 19G	25G 31F
	W	31F 49F 60M	25G 31F 19F	25G 49F 60M	25G 19F	31G 49F 60M
1500 to 1800	E	25F 19F	16G 19F	16F 19F	16G 19F	16M
	W	31G 25F	16G 19G	25G 31F 19F	16G 19F	25F
1800 to 2100	E	19F	16G 19F	16F 19F	16G 19G 25F	NIL
	W	19F 25F	16G 19G	16G 19F	16G 19F	16F
2100 to 2400	E	49F 31F	25G 19F 31F	16G 19G 25F	19G 25F 31F 49M	19M
	W	19F 25F 31F	19G 16F 25F	16G 19F	16F 19F	19M

LEGEND: RCVR ZONE indicates listener's region-E represents EST & CST time zones and W is for MST & PST. Reading down to the proper GMT and RCVR ZONE and across to the desired reception area will indicate the SBC bands most likely to offer good reception at that time. Quality of openings is shown by G, F, M . . . Good, Fair and Marginal respectively.

Sun Spot Numbers as of Dec '69

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1969	109.4	108.3	106.0	106.0	105.8	104.7	102.9	101.3	100.5	99.5	98.8	98.4
1970	97.4	96.3	94.7	92.6	90.4	88.4	86.3	84.2	82.2	80.0	77.0	74.2

ASWLC

December, 1969

ASWLC

QSL
CORNER

Reports to: P.O. Box 473, Mountain View, CA 94040.
 Editor: Bill Flynn, WPE6AF. (Africa: VIC-34/VIS-52)
 DEADLINES: For January "SWL": Dec. 21st; For February: Jan. 15th.

QSL
CORNERRADIO CANADA'S QSL POLICY

During recent months RADIO CANADA has had to revise its QSLing policy. To-date, we have bent over backwards in order to award verification cards but some listeners have taken advantage of our leniency as follows: 1) By copying program titles directly from our schedule for "Brief Program Details"; 2) By listing approximate times and frequencies; 3) By dating the report some two weeks in advance. Therefore, because of this abuse, we have had to tighten up on our requirements. In order to make our QSL worthwhile obtaining we will require the following information: 1) Brief program details, such as a few sentences describing the topic of the program listened to, not merely the title; 2) Exact frequency in kHz, MHz or meters; 3) Time, preferably in GMT; 4) Date. All this information should be listed clearly so that our staff of QSLers can process your requests and award verifications with as much expediency as possible.

We regret this situation which forces us to impose restrictions on a majority where the instigators are a minority.

(From R. CANADA SHORT WAVE CLUB BULLETIN, via Mike Macken)

ASWLCers who follow the suggestions of our Proper Reporting Guide (still available from Hqs. !) should have no trouble.

AMENDMENTS TO SEPT'S IRC LIST

IRC's reportedly aren't valid in these countries: BULGARIA, CONGO, D. R. (Kinshasa), PITCAIRN ISLAND, PERU, SAUDI ARABIA, SOMALI REP., SWEDEN, U.S.S.R., YEMEN, YUGOSLAVIA. Better try mint stamps to these instead !

QSL STATUS REPORT - PART III

Continuing with what was reported last year, mostly from the European DXing area:
 EUROPE, Concluded /RAI cards.

SICILY: A few full-data "via Caltanissetta"
 SPAIN: RNE: 100+ cds, some pennants, PC's.

R LIBERTY: about 25 QSL's.

SWEDEN: well over 100 veri's. Has pennants.

SWITZERLAND: SEC: approx. 100; Red Cross: about 50; UN, Geneva: 10. SBC has forms.

UKRAINIAN SSR: about 20 direct bona-fide QSL's from Kiev

NORTH & CENTRAL AMERICA & CARRIBBEAN

ANTILLES, NWI: PJC, Willemstad, Curacao, 8694 (UTE stn): "Map of Neth. Antilles" cd w/ full data. V/S Dr C J Mol. Air. 2 IRC. (Franklin) Trans World R, Bonaire, 11755: b & w "Xmtr-bldgs-antenna" cd + sked. V/S Julius Schipper. 12d, air 1 IRC. (Gaynor)

CANADA: CEC Northern Svc, 11720: "Eskimo Sculpture" cd- 2 wks. No RP. (Fisher) For 6060: Same. (Franklin) CFRX, 6070: cd - 9d. No RP. (Fisher) CJCX, Sydney, 6010: usual cd - 1wk. 1 IRC. (Haynes) CKZU, Vancouver, 6160: blue CEC, Vancouver, cd w/ full details. V/S C M Wilson. 17d. (Tordoff) CFCX, Montreal, 6005: red/white "CFCF" cd (West) Likewise; no V/S. 2 wks, air. 1 IRC. (Buckley)

CUBA: Havana, 9525: gray/white cd outlines Cuba, pictures postage stamps. No V/S. 159d, air. (Bastick) Is in Eng & Fr - 3 mo, air. No RP. (Buckley)

GRENADA-WINDWARD IS.: WIES: reddish brown cd - full data. 747d. 2 IRC. (Martin)

HONDURAS: HRHR, V del Occidente, 5960: PC of Tegucigalpa bank w/ friendly veri note on back, date only. V/S Arturo Rendon P, Dir. ASWLC Sp rpt + mint stamps. (Steele)

HONDURAS, BRITISH: BHBS, 3300: Map cd (old type), all details. V/S L H Young. 7d, air. 2 IRC. (Steele)

MARTINIQUE: FZF21, Fort-de-France, 12025, (UTE stn): Pers. ltr in Fr w/ full info, V/S Andre Soulier. Air. Fr rpt form used. (Franklin)

MEXICO: XEXQCC, 6045: QSL on back of nice PC. 3 wks. IRC's sent. Also XERR, 15110: "mini-QSL" tnx on back of business cd. Sent in "mini-envelope. IRC. (Haynes) XERMX, 11718, R Mexico: booklet & 2 records album, as many report. Ltr in Sp is probably not a true veri. (Soneff)

U S A: WINB, Red Lion, 11795: white cd w/ full details. 22d. (Tordoff) WWV, Boulder, Col., 15000: White cd w/ "WWV" in lite brn letters, 2 Indians on horseback. V/S John T Stanley, EIC. 17d, air. (Bastick) AFRTS, 9755: blue/white cd + prgm guide. No V/S. 1 wk, surface. No RP. (Buckley) KE5823, Elizabethton, TN, 26330 (Remote pick-up for WBEJ, FM stn): Detailed letter + PFC. V/S Lynn R Williams, CE. Prompt & said was most distant rpt. (Hauser)

QSL CORNER

QSL CORNER

QSL STATUS REPORT - AFRICASOUTH AMERICA

AFARS & ISSAS: NIL preferred
 ALGERIA: approx 50; has rpt forms, Fr./
 ANGOLA: Emissora Oficial-20; RC de Angola-5; RC de Benguela-1; RC do Cuanza Sul-5; RC da Huila-2; RC do Lobito-1; R Commercial-1; R Diamang-20.
 ASCENSION I.: around 100 BEC cards
 BIAFRA: nil
 BOTSWANA: 1 from BEC, Francistown (defunct)
 BURUNDI: R Cordac-2; R Eujambura-1
 CAMEROON: R Yaounde-5; R Garoua-2; R Buea-3.
 CANARY IS.: about 25 from RNE, Tenerife.
 CAPE VERDE IS.: RC de CV-5; R Mindelo-3;
 CENTRAL AFRICAN REP: Bangui-approx. 10 cds
 CHAD: 5 cds; French seems best
 COMORES IS: 11 cds, again French pref.
 CONGO, D R (Kinshasa): Lumbumbashi- 20 by ltr; Kinshasa-3 ltrs; Bukavu-3 letters
 CONGO (Brazzaville): ORTF-approx 50 (Eng. is OK); RIC- 2 cds for French rpts
 DAHOMEY: Cotonou-11 cds for French rpts
 ETHIOPIA: ETLF-around 100; ETAA-6.
 FERNANDO POO/EQUATORIAL GUINEA: Santa Isabel-10 ltrs
 GABON: 1
 GAMBIA: 1
 GHANA: around 50 cds reported
 GUINEA, REP. OF: a few form letters in French
 GUINEA, PORTUGUESE: 7 (folder in 3 languages)
 IVORY COAST: Abidjan: approx 25 cards
 KENYA: NIL
 LESOTHO: NIL
 LIBERIA: VOA-around 100; ELWA-perhaps 50; ELEC-1 cd reported
 LIBYA: NIL
 MALAGASY REP.: several cards reported
 MALAWI: 6 letters
 MALI: 8 cards for French reports
 MAURITANIA: 4 cards, ditto above
 MAURITIUS: 4 cards reported
 MOROCCO: VOA-around 100; RTM-5 folders reported
 MOZAMBIQUE: RCM-somewhat under 50; R Pax & the other regionals- NIL
 NIGER: 5 cards
 NIGERIA: Lagos: 100+; Ibadan-4; Kaduna-2; Benin City-1; Western NES-1
 REUNION: a few by form letter in French
 RHODESIA: 7 cards
 RIO MUNI: 8 replies, not specified
 RWANDA: Deutsche Welle-50; R Rwanda-13
 SAO TOME: 10, also sending pennant
 SENEGAL: approx 25 cards
 SIERRA LEONE: not reported, new cd is due

ARGENTINA: RAE, 9690: 2 green globe cds, no details. 5½ & 3½ mo's, IRC's. (Mahler) Same in 8 mo for 1 IRC. (Franklin)
 BRAZIL: ITT Communications, Rio de J: business cd w/ veri on back. V/S J C Fonseca, CE. Port. rpt form used. (Franklin)
 COLOMBIA: HJFW, Transmisora Caldas, 5020: Ltr + green/black pennant- 3 wks. IRC's. (Haynes) HJGC, R Sutatenza, 5075: folder cd in Eng/Sp.-50d, Sp. rpt & IRC's. (Martin)
 ECUADOR: HCJB, 11765: green cd w/ Indian emblem in blue- ;44d, surface. (Bundy)
 PERU: CCY4H, R Santa Rosa, 6045: ltr-veri in 2½ wks. IRC's & PC sent. (Haynes)
 URUGUAY: CXA19, El Espectador, 11835: white "Difusoras del Uruguay" cd. V/S: Hector Amengual, Pres. 64d, surface. Tape & 4 IRC via registered. (Pappas) Same in 3 mo's but w/ green/black pennant of MW stn. Sp. rpt form, 1 IRC, PC. (Editor)

EUROPE

BULGARIA: R Sofia, 9700: picture PC, #5 in series + ltr, sked & rpt forms- 2½ mo. 5 rpts. (Mahler)
 CZECHOSLOVAKIA: R Praha, 7345: b&w "Pravic Gate" cd, V/S unreadable. 2 mo, surface. No RP. (Neubrig)
 DENMARK: R Denmark, 15165: "Xmtr tower" cd w/ personal msg- 5 wks. (Mahler) In 2 wks, No RP. S Jackson added "We are closing down 1st Jan 1970 & not April 1st as stated in "Voice of Denmark". (Fisher)
 FINLAND: Finnish R, 15185: station cd & FDXC cd, both w/ all details. 60d, air. 1 IRC. (Bundy) Map cd w/ all info - 1 mo, air. No RP. (Estand)
 FRANCE: ORTF, 15120: orange dd in Fr. No V/S. 3 wks, air. 2 IRC. (Buckley)
 GERMANY, EAST: RBI, 11890: bluish cd, has drawing of house in red/white; #6 of series: "Potsdam". 30d. No RP. (West)
 GREECE: HNBI, 11720: black/white cd w/ all info + sked, several tourist brochures in Eng., color PC & heavy felt pennant featuring emblem/insignia. 5 wks, air 3 IRC. (Estand)
 HUNGARY: R Budapest, 11910: gold cd w/ all info, no V/S + applic. form for SWL club. 10 wks, air. No RP. (Buckley) PC of bridge, no V/S. (Franklin)
 LITHUANIAN SSR: R Vilnius, 15220: cd depicts mike as flower w/ green leaves also sked - 3 mo's. (Mahler)

SURVEY OF AFRICA - cont.

SOMALI REP.: 2 veri's reported
SOUTH AFRICA: R.RSA - well in the hundreds
SUDAN: 6 form letters
TANZANIA: R Tanzania-over 25 cards rptd
TCGO: 11 cards
TRISTAN DA CUNHA: nothing cooking here
TUNISIA: 3 cards reported; English OK
UGANDA: 9 letter veri's reported
UNITED ARAB REP.(EGYPT): somewhat under
100 QSL cards
UPPER VOLTA: 5 cards in French, generally
takes follow-ups
ZAMBIA: around 25 cards
ZANZIBAR: 1 veri. reported

Many of these Africans are quite scarce
with replies and a real challenge !

ODDS AND ENDS

ASWIC AWARDS: Suggest members contact
Chief Editor Art Glover for information.
The program should be back in full swing
sometime after the first of the year.

UTILITIES STATIONS: Chas Coombe reminds
us to check WORLD RADIO-TV SUMMER SUPPLE-
MENT 1969 for many addresses - pp 26 - 38.

DEADLINE: For QSL CORNER it will be the
15th of the month effective for the Feb-
ruary issue, as required for coordinat-
ing publication of "SWR".

QSL SURVEY: Next month we will try to
finish it with ASIA & OCEANIA....

** ** ** ** **
HAPPY HOLIDAYS !

May your Christmas be the happiest
ever and may the New Year bring you loads
of exotic loggings and QSL's !

de Bill, WPE6AF

** ** ** ** **

EUROPE - cont.

POLAND: Polish R, 11870: monument cd &
ltr - 2 1/2 mo. (Mahler)
PORTUGAL: R Portugal: "Dolls in costume"
cd, sked, rpt forms - 3 mo. Period rpt
sent. (Mahler)
ROMANIA: R Bucharest, 11940, 9570: pict-
ure PC, ltr, rpt forms - 1 1/2 mo. Their rpt
form used. (Mahler) 9570: b&w photo of
Black Sea shore, ltr, stickers & rpt forms
No V/S. 1 mo, air. No RP. (Buckley)
SPAIN: RNE, 9760: "antenna" cd & prgm
guide, both in Sp. No V/S. 2 wks, air. 2
IRC. (Buckley)
SWITZERLAND: SEC: b&w "airport" cd. V/S
J A Chisholm. 68d, sea. SEC rpt form used
(Gaynor) 9535: "train on bridge" cd +
sked. V/S L Thudles(?). 2 mo. No RP.
(Neubrig) 11715: veri ltr + prgm guide,
rpt form. 3 1/2 mo, air. No RP. (Buckley)

AFRICA

ALGERIA: R Alger, 9685: white/yellow
"archer" cd w/ all info in Fr. + Fr sked,
rpt form. 5ld, sea. R Alger rpt form used
(Estand)
ASCENSION I.: BEC Atlantic Relay, 15105:
BEC cd w/ apologies for delay, signed
Miss V R Pressman. Also sked. 7 mo's. Tape
+ 4 IRC sent to London. (D'Adolf)
BIAFRA: V of Biafra, 7307: Ltr in Eng con-
firming rx & tnx forrpt & saying forward-
ed. V/S P C Chibgo, says hope to replace
10K xmtr. 30d, air. Address: B.P. 8861,
Abidjan, Ivory Coast. (Tordoff)
CANARY IS.: RNE relay, 15380: cd fm Tene-
rife- 24d. Reported to Madrid. (Martin)
DAHOMEY: Rdfn du Dahomey, Cotonou, 4870:
color PC of radio tower, sked on reverse
+ full veri in Fr, no V/S. 12d, air. 3 IRC
Rptd in Eng w/ 3 PC's. (Pappas)
ETHIOPIA: ETLF, 11890: blue cd. V/S B
Svensson. 163d, surface, after follow-up,
1 IRC. 17750: same in 274d. 3 IRC's sent
but were not stamped. (Bundy)
LIBERIA: ELWA, 11975: b&w "drummers" cd,
sked, religious material - 3 mo, air. 3
IRC. (d'Adolf)
MALAGASY REP. Tananarive, 17730: cd in Fr
& Eng w/ veri section but no details fill-
ed in, 8 1/2 mo, air. 3 IRC. (Bundy)
MAURETANIA: Rdfn de Mauretanie, 4850: cd-
3 wks. IRC. (Fisher)
NIGERIA: V of Nigeria, 21455: cd + detail-
ed sked- 74d. Returned IRC's. 15365: cd,
has full info. V/S unreadable. Prgm sked
Also returned IRC's. (Franklin)
RHODESIA: R.BC Corp, 3396: old card, sked.
V/S not readable. 53d, air. IRC. (Bundy)

AFRICA - cont.

SEYCHELLES: FEBA, 21460 (2K): blue/white cd & ltr. V/S Brenda Bacon, QSL Sec. 1 mo. (Haynes) Cd is plain, has full data. Also a travel brochure seperately. 38d. 5 IRC. (Martin)

SUDAN: R Omdürmann, 9505: mimeo sheet w/ all details. V/S Abdel Rahman Abdel Basit. Requests more rpts & info. 2 mo, air. 2 IRC. (Steele)

TCGO: cd rcvd in 5 d, air. (Steele)

ASIA

CYPRUS: Cyprus EC Corp, 17875: large beautiful multicolor cd of Cypriot scenes & all veri details. V/S hot readable. 36d, air. 2 IRC & 3 PC. (Pappas)

IRAQ: R Baghdad, 6030: yellow map cd w/ all details, no V/S. 90d, air. IRC (Bundy) Cd is tri-lingual. 2 mo, air. 2 IRC (Steele)

JAPAN: R Japan, 17825, 21640: "Kabuki actors" cd, 2nd survey cd dup 31 Jan. New rpt forms, sked, RJ News. (Soneff) For 9505: "Mt. Fuji" cd, sked, rpt forms. No times. 1 1/2 mo. RJ rpt form used. (Mahler). JCS, 17112, Chosi CW Stn (3K): Ltr & cd showing pix of xmtr- 9d, air. V/S Iujahara, Chief of Chosiradio, 2 IRC. (Franklin)

LEBANON: R Lebanon, 15170: cd & sked - 3 wks. IRC. (Fisher) Cd is color pix of studio - full veri on back w/ hand stamp. Also paper Lebanese flag & 2 skeds. 21d, air registered. (Gaynor)

MONGOLIA: Ulan Bator, 11860: Ltr w/ full details, sked, paperback on Socialism. Ask for more rpts. 2mo, air. 4 IRC. (d'Adolf)

PHILIPPINES: DUH2, P.F.S., Manila, 6170: cd gives time, date, freq. V/S Jose Borrromeo, net.coord. (Franklin)

RYUKYU IS. E.V.U.N.C., 14460: cd + 4 mo. No RP. (Fisher)

SAUDI ARABIA: S. Arab. EC, 11855: cd w/ all details. V/S Werner Storg. 5 mo, iar. 2 IRC. (Steele)

UZBEK SSR: R Tashkent, 11925: "Chimes Tower" cd, FC, sked & quiz info. No V/S. 60d, air, lint stamps sent. (Bundy)

VIETNAM, NORTH: V of Vietnam, 15010: ltr w/ full data, sked, newspapers. 3 mo, sea. 4 IRC. (d'Adolf)

OCEANIA

AUSTRALIA: VNG, Sydney, 12000: Attractive folder w/ history & other data. V/S not readable. 14d, air. IRC. (Bundy) R Australia, 17840: "Tasman Bridge" cd + ppt cd. V/S Simone Chelenpek(?). 69d, sea. 6 IRC. (Gaynor) 17870 & 15160 (10K): "Tasman Bridge" & "Flower" cds, respectively. All

veri info. 7 mo, sea. No RP. Sent comparison rpt on the 2. (Estand) Cds have been coming at steady rate 2 - 7 mo's transit: "Tasman Bridge", "Old Terraced Houses", "Koalas", "Sydney Harbor", "Downtown Perth". (Mahler) For 21740: "Tasman Bridge" - 72d, air, No RP. (Buckley) VIS25, 8805.6 (15K): sent QSL for ship to shore test. Location is Sydney. (Franklin) GUAM: KUK29, Agana, 19255: cd via New York for telephone test. V/S Paul M Shaw, Opns Dept. (Franklin)

NEW CALEDONIA: R Noumea, 7170: cd in Fr w/ date & time only. V/S not readable. 85 d, air. ASWLC Fr rpt & IRC. (Bundy)

FUJ, Noumea, 13117 (CW test xmsn): ltr + PFC. V/S Chef Jean Pendu. 10K omnidir. antenna. 1 mo, air. Earlier rpt in Eng not answered. Address: Maitre Transmittour

Jean Pendu, Chef Station Reception, B.P. 38, Noumea, Nouvelle Caledonie. (Coombe)

NEW GUINEA, TERR. OF: R Rabaul, 9385: folder- 2 wks. IRC. (Fisher)

PAPUA TERR.: VLT4, 4890: regular AEC cd - 20d, air. 3 IRC. (West)

SOLOMON IS.: VQC4, 3995: white map cd w/ full details, prgm booklet w/ advertising. V/S Barry J Whitehall. 6 1/2 mo. (Tordoff)

WHERE CREDIT IS DUE - Thanks to our 19 reporters who covered 59 countries!

- BILL BASTICK, WPE6HNO, 29 Palms, CA;
- LILL BUCKLEY, WPE2RDO, New York, NY;
- ROBERT BUNDY, KC6PELA, Truk, ECI; CHAS N COOMBE, Trenton, NJ; STEVE P d'ADOLF, KX6PELB, Kwajalein, Marshall I., BOB ESTAND, WPE5FAV, El Paso, TX; ROBERT W FISHER, Los Angeles, CA; GLENN HAUSER, Enid, OK; GARY FRANKLIN, Salinas, CA; ROY HAYNES, WPE6HEI, San Jose, CA; LES GAYNOR, Oak Park, MI; DR. DONALD L MAHLER, Newton, MA; BILL MARTIN, Wilmington, DE; RICHARD NEUBRIG, Portage, MI; ANDREW PAPPAS, Chicago, IL; JOHN T SONEFF, JR., New Orleans, LA; GARY STEELE, WPE8KEQ, Benton Harbor, MI; JACK TORDOFF, Redwood City, CA; ELBERT L WEST, WPE6HIT, Sunnyvale, CA.

BESTS OF THE MONTH???

- N AMERICA: KE5823, 26330. U.S.A. (Hauser)
- S AMERICA: ITT Communications, Rio, Brazil. (Franklin)
- EUROPE: NHBI, 11720, Greece (Estand)
- AFRICA: Tananarive, 17730, Malagasy Rep. (Pappas)
- ASIA: JCS, 17112, Japan (Franklin)
- OCEANIA: FUJ, 13117 New Caledonia (Coombe)

CANADA: CKZN, St. John's, Newfoundland: 6160; blue & white cd w/ shields of all Provinces. Full info typed in. Also letter from J C Postema, Nfld. Regional Eng. 7d, air. 10¢ Canadian stamp sent. (Dr. Hall, MA)

GREENLAND: Godthåb Telestation, 14900A: returned prepared card - all info except freq. V/S not readable. 60d, sea. Rpt in Eng. w/ 1 IRC. (M Koukol, Ill.)

MEXICO: XEUDS, R Universidad de Sonora, 6115: cd featuring coat of arms emblem; also magazine & book on Czechoslovakia. No V/S. 9d. ASWLC Sp. rpt + mint stamps + tape sent. (Bill Lemak, Calif) XEFT, 9545 (250w) Excellent letter in Sp. + 3 PC's. V/S Juan Rodriguez. 15d, air. 2 IRC's sent. (R Pico, Conn.)

PERU: OAX8E, R Loreto, 5050: Letter & pix PC. V/S Erico Ruiz Salas. 5 mo, air. mint stamps sent. (B Sparks, Calif)

GREECE: Hellenic Telecom. Organisation - large blue card with all details. 8 mo, air. 2 IRC's. (G Steele, Mich)

ASCENSION I. Et Al: BEC W.S. Radio Club Award verification - all data (date, time, freq, of London, Ascension, Limassol (Cyprus) & Tebrau (Malayasia). V/S G R Hatch. Award signers: Robert Greyson, Head of BEC World Svcs. & -?- , Chief Engineer. 6x9½ card in red/white with large seal of Britain at top. Also a letter stating "With regard to our transmission on 12176 kHz, you are quite right in saying this is a BEC S.S.B. transmission feeding the Eastern Relay Station. When you heard it it was operating into a rhombic beaming on 112°. The power is 30KW P.E.P." Signed B J Bale, CEXB. Rpts covering 5 different xmsns were sent. Eastern Relay Station is on Masira Island, Arabian Sea (& part of the Sultanate of Oman, as far as I can determine, Ed.) 112 heading would be rcvd off the back of the rhombic. (J Mappin, Wash.) Congratulations, OM, very fine!

CAPE VERDE IS: CR4AA, 3883: cd in blk/red/yell/blue print on green. Confirms, no mention of 3883. 20d, air. 2 IRC. (Dr Hall, Mass.)

MAURETANIA: R Mouakchott, 4850: cd in Fr, full data; map of Africa w/ Mauretania outlined. V/S Marill André 57d, air. Rpt in Fr, 1 IRC. (M Koukol, Ill)

PORT. GUINEA: Emissora da Guiné Port., 5041: pale green folder w/ text in 3 languages - date & freq given. 27d, air. V/S not readable. Eng. rpt. 2 IRC's. (M Koukol)

SIERRA LEONE: S.L.B.S., 3316: PC view of Murraytown from King Tom - full info typed in. V/S F Heard, Dir Gen. 60d, air. 3 IRC (Dr. Hall, Mass.)

SUDAN: R Omdurman, 11835: mimeo form ltr w/ "was not" crossed out, gives date only, sked & freq list included. V/S Abdel Rahman Abdel Bas, Head P.R. & Transcript. Dept. 1½mo, air. 3 IRC's. (A Lisowski, Calif)

CEYLON: R Ceylon, 15130: "elephants in procession" cd - all info. V/S illegible. 1 mo, air(?). 4 IRC's & PC enclosed w/ rpt. (J Soneff, La.)

INDIA: A.I.R., Gauhati, 3375: cd & letter. V/S M H Karmarkar. 46d, air. IRC. (B Sparks, Calif)

SAUDI ARABIA: B.C S.A., 15150: Palm tree/sword card w/ complete info. V/S: Storg. 1 mo, air. 3 IRC's. (B Estand, Tex)

SINGAPORE: GYS6, Royal Naval Wireless Stn, Kranji, 17266.4: letter giving freq. V/S J H Bailey, Ch.R.Super. Also info on their svc & full sked. 20d, air. Rpt in Eng w/ IRC. (M Koukol, Ill)

TURKEY: R Ankara, 15160: cartoon cd shows musician, gives sked. Full data. 5 mo. 1 IRC. (Dr. Mahler, Mass.)

VIETNAM, NORTH: Hanoi, 15013: small, very plain white paper QSL (5x7½), all details. V/S illegible initials. Also enclosed PC, sked, 29 mint stamps (3 issued!), 2 newspapers. 65d, sea. Rptd by pers. ltr in Eng, no RP. (A Pappas, Ill.)

SOLOMON IS: S.I.B.S., 3995: modern cd w/ "S I B S" on map background. V/S Barry Whitehall. Also sent "Preview" mag. 2 mo, sea. 3 IRC's. (G Steele, Mich.)

Sorry that I am way behind and had to save many of your reports for later. Many thanks to all and may 1970 bring you many fine QSL's!

Editor: Robert LaRose, 172 College Complex Circle Apt #6, Rochester, NY 14623

Welcome aboard for another month. First let me wish everyone a Merry Christmas and a Happy and Prosperous New Year. I would like to thank all those who contributed to SWL over the last year and especially those who contributed to Tricks of the Trade. Now lets get down to business.

PROPAGATION SPECIAL The November issue of CQ magazine included several special feature articles on Propagation. Described as "an in-depth report on sunspots, the ionosphere, and the mechanics of radio wave propagation, the issue included six articles by George Jacobs and Stanley Leinwall (of the VOA) and John Shultz. Titles of the articles include "Shortwave and the Ionosphere", "Optimizing Shortwave Communications", "Don't be Afraid of the Big Bad Blackout", "V.H.F. Ionospheric Propagation", "The Sunspot Story- Cycle 20! The Declining Years", and "A Seven Year Propagation Forecast for the Amateur DX Bands". This particular issue of CQ is a "must" for any serious DXer. If you don't already have a copy, you still may stand an outside chance of picking one up at a local newstand. If their all-out I suggest writing to CQ Magazine, 14 Vanderverter Ave., Port Washington, L.I., N.Y. 11050 and ask them how much their back copies cost.

THE DX-150 AND RECEIVERS IN GENERAL In the past month several letters have been received here in regards to the Radio Shack Realistic DX-150 receiver. Ken Stanton of 643 W. Pine St., El Segundo, Calif., 90245 wants to contact other DXers owning DX-150s who have added "mechanical filters, Q-multipliers, IF strips or other modifications". Let him know if you've made any such modifications!

On another DX-150 related subject, Gary Goltz of Pittsburgh, P.A. has suggested that SWLs who would be interested in having the DX-150 bandspread calibrated for the SWBC bands instead of the ham bands, write to RADIO SHACK. The address he gives is: Radio Shack c/o Tandy Corp., 2615 West 7th St., Fort Worth, Texas 76107. This is one project that I heartily wish success. In the past I have made several small probes at this which resulted in no success (I know of several other people who have carried-on extensive correspondence with manufacturers trying to convince them to do something like this).

It seems quite logical to me that someday one manufacturer would break the ice and offer an optional SWBC dial that was worthwhile. In most cases the change would require a simple replacement of the bandspread dial face. No change would necessarily be required on the main tuning dial as long as the listener knew approximately where to set it and then could fine-tune it using known stations or a crystal calibrator. The change of bandspread dial face could be easily done at the factory. With the proper instructions, and product engineering, the change could also be made by the AVERAGE DXer. If the modification were to be made at the factory, it would almost certainly have to be built-in from the beginning without any form of "ordering" the special model (first since many of the factories are in Japan and secondly since most DXers would be unwilling to wait a month or more from the time of ordering to receipt for a radio that costs only \$150 or so). The manufacturer would therefore have to set-up some kind of a prediction how many of the amateur or SWBC models would be needed. We could go-on with this all night! The thing that we need right now is action. Therefore, I suggest that those who would want a SWBC bandspread on the DX-150 to write today. Let me now go on a little further with some concrete suggestions for the manufacturers:

THE DX-150 AND RECEIVERS IN GENERAL, continued

I DARE a manufacturer to come out with a well calibrated SWBC model of one of their well-established, medium priced (\$100-250), general coverage receivers. I DARE a manufacturer to spend a few dollars on the engineering involved in designing a SWBC bandspread dial that is sufficiently calibrated. I DARE a manufacturer to reap the great potential profits available to anyone who is willing to enter the SWBC receiver market. And while we're DAREing lets tell them that we also want sufficient calibration marks on the main tuning dial (not just every megahertz or 500 kHz). If they don't believe the potential of the SWBC/SWL market, let them ask Drake how they have done with their SW-4, a fairly high priced receiver that is specifically designed for SWBC reception. OK manufacturers, any takers?

HALLICRAFTERS SX-133 After a couple of tries I was finally able to get some info out of Hallicrafters about their new SX-133. All I got was a single-page handout that really contains no performance specifications except for a few necessities such as frequency coverage.

The SX-133 is a general coverage receiver including the MW broadcast and 1.7-31.5 MHz SW bands. When you come down to the hard facts, the SX-133 looks strangely similar to the old (and now discontinued) SX-130. In fact, without having a chance to compare their circuits or performance specifications, it seems as though Hallicrafters may have just changed the package with a few minor changes (improvements, I hope). Probably the biggest noticeable difference between the two is the price tag, the SX-133 prices at \$250 while the SX-130 was only \$200. Could it be that Hallicrafters changed models to raise the price?

Getting down to what appear to be improvements, the most significant is the addition of the 49, 31, 25 & 19 meter SWBC bands on the ~~SWBC~~ bandspread dial. This was done without sacrifice to the amateur bands that were already on the SX-130. Now this is what we were just asking for, or is it? When we look closer at the bandspread dial we see that the bands are calibrated every 20kHz, clearly not enough to be deemed "well calibrated". It can easily be seen by inspection that at least twice as many marks could have been put on the bandspread dial. As for the main tuning dial, it is a particular disaster area. This dial is severely cramped (like the one on the SX-130) and at its highest frequencies has marks every megahertz or halfmegahertz. One of my pet peeves is people who don't believe that there is plenty of D* between the SWBC and Amateur bands. With a receiver like the SX-133 you're out of luck between the bands.

Before we leave the SX-133, let me give it a few kind words. Hallicrafters is on the right track although I am not satisfied. They apparently do believe that there is a SWBC receiver market and are appealing to it. However, I don't think that SWBC DXers/SWLs should be at all satisfied with what they got. Maybe someone else will do Hallicrafters one better, I hope so!

QUESTIONS, ANSWERS & COMMENTS Member Anthony Marks of Box 5210, La Grande, Ore. 97850 has written several letters over the past few months. First I'd like to thank him for his letters and comments and apologize for not getting to him sooner. He asks where he can get 1LC6 and 1LH4 tubes for a radio he recently acquired....Actually these tubes may be available at your local Radio Supply house or a local surplus electronics place. Maybe one of the readers knows where he can get them by mail, any help? THATS ALL FOR THIS MONTH, MERRY CHRISTMAS/SEASONS GREETINGS BOB

---PROPAGATION OF RADIO SIGNALS---

By Chuck Sadoian, WPE6HHG

Part III--Medium-wave Signals

Part II (Nov issue) of this article dealt with shortwave signals, and what effect the ionosphere has on them. This month, to conclude this article, I will deal with Medium-wave reception.

THE PATH--If you'll remember in part-I, the highest layer of the Ionosphere is the F2 layer. This layer is the most important layer when referring to BCB signals. To start with, medium-wave signals must travel over great circle paths. To get an idea of what a great circle path is, get a world globe and locate your city or some city near your QTH. Then, get a piece of string and hold one end on the point where your QTH is. With the other end, find the country of a station somewhere in the world and put that end of the string there, keeping the string tight. Now, by following the string, you now have the great circle route the signal must take in order to get to your QTH--and I stress--MUST. It is very rare on the BCB that a signal will take a different route. This is because most signals you hear will be very weak. So, if the signal cannot go thru its shortest great-circle path, it will generally be too weak to hear.

AURORAL ZONE--Much depends on the present ionization state of the F2 layer. BCB signals, unlike SW signals, don't bounce very well if the F2 layer is highly ionized. In fact, the signals are usually absorbed by the F2 layer, if conditions are right. Usually, the area where this will happen is near the Earth's magnetic pole (North Pole). When there is a magnetic storm on the sun (of sufficient intensity), charged particles ejected from the storm on the sun fall or precipitate in the upper area of the atmosphere of the Earth. When these particles reach the magnetic pole, they greatly ionize a "ring-shaped" region just above the center of the pole. The region of greatest intensity is called the auroral zone of absorption. While SW signals usually can be reflected off the auroral blanket, BCB (medium-wave) signals are absorbed. Gordon Nelson of the National Radio Club has done a great amount of work in the effects of auroral zone and Trans-Atlantic (TA) reception on the East Coast. He states that the main precipitation event occurs at a height of about 50 miles. Any MW signal that encounters this area is very strongly absorbed (over a relatively short distance) and the result most often is total loss of the sky-wave signal in the auroral region.

EFFECTS OF THE AURORAL ZONE--On nights where there has been a major auroral storm, East-West paths will be very bad, if not terrible. This is because the auroral zone of absorption is so strong that it extends far enough into North America that it blocks out their paths. For example, here in my Western ECB location, WLS-890 (Chicago), WHAM-1180 (NY), and WLW-700 (Ohio) are 'regulars' (that is, they are usually heard every night of the year). When there is a severe auroral storm, WLS and WLW usually take a slight dip in their signal strength. Sometimes they disappear completely. This also happens with other big 50 Kw clear-channel stations, such as WCCC, WNEC, WCBS, WBBM, ect. When one of the Chicago stations (or some of them) take dips in strength, it usually means an auroral storm has hit. Generally, an increase in noise or static will be noticed, also. If you live on the West Coast, and one of your 'regulars' does this, then I would recommend that you DX for Southern stns (by the way, this can also be done from most parts of the US, as most of you can receive the big 50 Kw stns to the north). Good reception from the south is also possible during periods of low geomagnetic activity (auroral storms), but during an auroral storm it is generally enhanced.

GEOMAGNETIC ACTIVITY--As mentioned, geomagnetic activity is just another name for a magnetic storm on the sun. There is a way to keep track of the amount of geomagnetic activity we experience, much like the sunspot count that we use primarily for SW work. We use a method of assigning values for the rate of production of high-latitude nondeviative absorption resulting from solar-induced charged particle precipitation into the ionosphere from the Van Allen Radiation belts along lines of the Earth's magnetic field. The values are given in "Fredericksburg A index" numbers, per readings taken from Fredericksburg, Va. These are actually averaged from 4 readings taken 6 hours apart. These indices are published from ESSA, at Boulder, Colorado.

You can receive the weekly info sheet for \$5 by sending your request to the TELE-COMMUNICATIONS SERVICES CENTER, ESSA/ITS, R60, Boulder, Colorado 80302. To get back to the indices themselves, if you have a run of very low geomagnetic indices (e.g for 1-2 weeks, and by low I mean from 0-5 on the A_p scale), you most likely will have good high-latitude conditions on the ECB (stations that take a high-latitude path to your receiver). One such night observed here in Dinuba was the night of 10/26-27 FST. Conditions on that night were outstanding for almost any high-latitude signal. Stations like BBC-1214, WDR-1586, RTF-1554, Dakar-764, and Freetown-1205 were all heard in Calif (also, some were heard in Hawaii by Richard Wood, who becomes the first Hawaiian DXer to log and verify Europe). However, these nights are extremely rare. I've only observed two TA nights here (meaning European reception), one being 10/27, and the other being 11/2. No other good openings have been noted so far this year.

THE 11 YEAR CYCLE--As with shortwave, there are certain years where reception seems to be better on certain bands. In 1968, reception on high-frequency bands were outstanding, while reception on the ECB was mostly southern stations (caused by auroral disturbances). This is all part of ol Sol's 11 year tantrum. For the 1st part of this eleven year cycle, old Sol is fairly "quiet", meaning the sunspot count is very low, and there is a tremendous reduction in geomagnetic storms. However, coming in to the 3rd or 4th year, things start happening. Sunspot numbers increase, solar flares become more frequent, and more geomagnetic storms plague the BCB DXer. We are presently in the Worst part of the sunspot cycle (if you like to DX the BCB)--the middle. It started in 1963 with a smoothed sunspot number of about 5, and now it's up to 150!! However, you're in luck if you just have begun to DX or plan to keep on DXing in the coming years. Our present cycle seems to have peaked in March, 1969, and now seems to be going down. Soon (about 1972-73), the BCB bands will be wide-open for high-latitude, long distance signals. But, in the meantime, you will have to settle for minor, one-shot openings.

CONCLUSION--I hope that this article, along with the other two parts I have written for you, have helped you understand a little more about the ionosphere and it's effect on radio wave propagation. Remember, if at any time you have a question, drop Jack White or myself a postcard or something. I'll be glad to try and answer it for you and I'm sure Jack will do the same. Once again, my address is 382 Vermont Avenue, Dinuba, Calif 93618 USA.



Attention, please--Many people have been writing me and requesting that I send them and extra copy of my propagation article, Box loop, etc. Please, I don't stock those things here. I type them up here, but they are printed at HQ and that is where you should write to obtain copies. The only things that I supply from here are the Direct-Coupled Loop plans (photo-copy), CFC info, and advice to whoever writes me. Box loop plans are to be had from ECB editor, Bill Migley. So, please use your heads, guys, and you'll make me happy!!! --Chuck Sadoian

Another Club--Along with the International Radio Club I mentioned in the Nov issue, there is also the National Radio Club (NRC). It, too, is a BCB-only club, and it is certainly one of the best. It is currently the only club that I know of that is using photo-offset printing as a means of printing their bulletin. The biggest asset of this club is its technical articles. I recommend this club to all interested BCB DXers. For information, write to the NRC, PO BOX 99, Cambridge, Mass 02138 USA.

THE PROPERTY STATUS OF AIRWAVES

BY AYN RAND

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Any material element or resource which, in order to become of use or value to men, requires the application of human knowledge and effort, should be private property—by the right of those who apply the knowledge and effort.

This is particularly true of broadcasting frequencies or waves, because they are produced by human cation and do not exist without it. What exists in nature is only the potential and the space through which those waves must travel.

Just as two trains cannot travel on the same section of track at the same time, so two broadcasts cannot use the same frequency at the same time in the same area without "jamming" each other. There is no difference in principle between the ownership of land and the ownership of airways. The only issue is the task of defining the application of property rights to this particular sphere. It is on this task that the American government has failed dismally, with incalculably disastrous consequences.

There is no essential difference between a broadcast and a concert: the former merely transmits sounds over a longer distance and requires more complex technical equipment. No one would venture to claim that a pianist may own his fingers and his piano, but the space inside the concert hall—through which the sound waves he produces travel—is "public property" and, therefore, he has no right to give a concert without a license from the government. Yet this is the absurdity foisted on our broadcasting industry.

The chief argument in support of the notion that broadcasting frequencies should be "public property" has been stated succinctly by Justice Frankfurter: "[Radio] facilities are limited; they are not available to all who may wish to use them; the radio spectrum simply is not large enough to accommodate everybody. there is a fixed natural limitation upon the number of stations that can operate without interfering with one another."

The fallacy of this argument is obvious. The number of broadcasting frequencies is limited; so is the number of concert halls; so is the amount of oil or wheat or diamonds; so is the acreage of land on the surface of the globe. There is no material element or value that exists in unlimited quantity. And if a "wish" to use a certain "facility" is the criteriom of the right to use it, then the universe is simply not large enough to accommodate all those who harbor wishes for the unearned.

It is the proper task of the government to protect individual rights and, as part of it, to formulate the laws by which these rights are to be implemented and adjudicated. It is the government's responsibility to define the application of individual rights to a given sphere of activity—to define (i.e., to identify), not to create, invent, donate, or expropriate. The question of defining the application of property rights has arisen frequently, in the wake of major scientific discoveries or inventions, such as the question of oil rights, vertical space rights, etc. In most cases, the American government was guided by the proper principle: it sought to protect all the individual rights involved, not to abrogate them.

A notable example of the proper method of establishing private ownership from scratch, in a previously ownerless area, is the Homestead Act of 1862, by

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which the government opened the western frontier for settlement and turned "public land" over to private owners. The government offered a 160-acre farm to any adult citizen who would settle on it and cultivate it for five years, after which it would become his property. Although that land was originally regarded, in law, as "public property," the method of its allocation, in fact, followed the proper principle (in fact, but not in explicit ideological intention). The citizens did not have to pay the government as if it were an owner; the ownership began with them, and they earned it by the method which is the source and root of the concept of "property": by working on unused material resources, by turning a wilderness into a civilized settlement. Thus, the government, in this case, was acting not as the owner but as the custodian of ownerless resources who defines objectively impartial rules by which potential owners may acquire them.

This should have been the principle and pattern of the allocation of broadcasting frequencies.

As soon as it became apparent that radio broadcasting had opened a new realm of material resources which, in the absence of legal definitions, would become a wilderness of clashing individual claims, the government should have promulgated the equivalent of a Homestead Act of the airways—an act defining private property rights in the new realm, establishing the rule that the user of a radio frequency would own it after he had operated a station for a certain number of years, and allocating all frequencies by the rule of priority, i.e., "first come, first served."

Bear in mind that the development of commercial radio took many years of struggle and experimentation, and that the goldrush of the "wishers" did not start until the pioneers—who had taken the risks of venturing into the unknown—had built it into a bright promise of great commercial value. By what right, code, or standard was anyone entitled to that value except the men who had created it?

If the government had adhered to the principle of private property rights, and the pioneers' ownership had been legally established, then a latecomer who wished to acquire a radio station would have had to buy from one of the original owners (as is the case with every other type of property). The fact that the number of available frequencies was limited would have served, not to entrench the original owners, but to threaten their hold, if they did not make the best economic use of their property (which is what free competition does to every other type of property). With a limited supply and a growing demand, competition would have driven the market value of a radio (and later, TV) station so high that only the most competent man could have afforded to buy it or to keep it; a man, unable to make a profit, could not have long afforded to waste so valuable a property. Who, on a free market, determines the economic success or failure of an enterprise? The public (the public as a sum of individual producers, viewers, and listeners, each making his own decisions—not as a single, helpless, disembodied collective with a few bureaucrats posturing as the spokesmen of its will on earth).

Contrary to the "argument from scarcity," if you want to make a "limited" resource available to the whole people, make it private property and throw it on a free, open market.

The "argument from scarcity," incidentally, is outdated, even in its literal meaning: with the discovery of ultra-high frequencies, there are more broadcasting channels available today than prospective applicants willing to pioneer in their development. As usual, the "wishers" seek, not to create, but to take over the rewards and advantages created by others.

The history of the collectivization of radio and television demonstrates, in a kind of microcosm, the process and the causes of capitalism's destruction. It is an eloquent illustration of the fact that capitalism is perishing by the philosophical default of its alleged defenders.

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Collectivists frequently site the early years of radio as an example of the failure of free enterprise. In those years, when broadcasters had no legal protection or recourse, the airways were a chaotic no man's land where anyone could use any frequency he pleased and jam anyone else. Some professional broadcasters tried to divide their frequencies by private agreements, which they could not enforce on others; nor could they fight the interference of stray, maliciously mischievous amateurs. This state of affairs was used, then and now, to urge and justify government control of radio.

This is an instance of capitalism taking the blame for the evils of its enemies.

The chaos of the airways was an example, not of free enterprise, but of anarchy. It was caused, not by private property rights, but by their absence. It demonstrated why capitalism is incompatible with anarchism, why men do need a government and what is a government's proper function. What was needed was legality, not controls.

What was imposed was worse than controls: outright nationalization. By a gradual, uncontested process--by ideological default--it was taken for granted that the airways belong to "the people" and are "public property."

If you want to know the intellectual state of the time, I will ask you to guess the political ideology of the author of the following quotation:

Radio communication is not to be considered as merely a business carried on for private gain, for private advertisement, or for entertainment of the curious. It is a public concern impressed with the public trust and to be considered primarily from the standpoint of public interest in the same extent and upon the basis of the same general principles as our other public utilities.

No, this was not said by a business-hating collectivist eager to establish the supremacy of the "public interest" over "private gain"; it was not said by a socialist planner nor by a communist conspirator; it was said by Herbert Hoover, then Secretary of Commerce, in 1924.

It was Hoover who fought for government control of radio and, as Secretary of Commerce, made repeated attempts to extend government power beyond the limits set by the legislation of the time, attempts to attach detailed conditions to radio licenses, which he had no legal authority to do and which were repeatedly negated by the courts. It was Hoover's influence that was largely responsible for that tombstone of the radio (and the then unborn television) industry known as the Act of 1927, which established the Federal Radio Commission with all of its autocratic, discretionary, undefined, and undefinable powers. (That Act--with minor revisions and amendments, including the Act of 1934 that changed the Federal Radio commission into the Federal Communications Commission--is still, in all essential respects, the basic legal document ruling the broadcasting industry today.)

"What we are doing," said F.C.C. Chairman Newton N. Minow in 1962, "did not begin with the New Frontier." He was right.

The Act of 1927 did not confine the government to the role of a traffic policeman of the air who protects the rights of broadcasters from technical interference (which is all that was needed and all that a government should properly do). It established service to the "public interest, convenience, or necessity" as the criterion by which the Federal Radio Commission was to judge applicants for broadcasting licenses and accept or reject them. Since there is no such thing as the "public interest" (other than the sum of the individual interests of individual citizens), since that collectivist catch-phrase has never and can never be defined, it amounted to a blank check on totalitarian power over the broadcasting industry, granted to whatever bureaucrats happened to be appointed to the Commission.

(CONTINUED NEXT PAGE)

"The public interest"--that intellectual knife of collectivism's sacrificial guillotine, which the operators of broadcasting stations have to test by placing their heads on the block every three years--was not raised over their heads by capitalism's enemies, but by their own leaders.

It was the so-called "conservatives"--including some of the pioneers, some of the broadcasting industry's executives who, today, are complaining and protesting--who ran to the government for regulations and controls, who cheered the notion of "public property" and service to the "public interest," and thus planted the seeds of which Mr. Minow and Mr. Henry are merely the logical, consistent flowers. The broadcasting industry was enslaved with the sanction of the victims--but they were not fully innocent victims.

Many businessmen, of the mixed-economy persuasion, resent the actual nature of capitalism; they believe that it is safer to hold a position, not by right, but by favor; they dread the competition of a free market and they feel that a bureaucrat's friendship is much easier to win. Pull, not merit, is their form of "social security." They believe that they will always succeed at courting, pressuring, or bribing a bureaucrat, who is "a good fellow" they can "get along with" and who will protect them from that merciless stranger: the abler competitor.

Consider the special privileges to be found in the status of "certified servant of the 'Public interest' and a licensed user of public property." Not only does it place a man outside the reach of economic competition, but it also spares him the responsibility and the costs entailed in private property. It grants him gratuitously the use of a broadcasting frequency for which he would have had to pay an enormous price on a free market and would not have been able to keep for long if he sent forth through the air the kind of unconscionable trash he is sending forth today.

Such are the vested interests made possible by the doctrine of the "public interest"--and such are the beneficiaries of any form, version, or degree of the doctrine of "public property."

Now observe the practical demonstration of the fact that without property rights, no other rights are possible. If censorship and the suppression of free speech ever get established in this country, they will have originated in radio and television.

The Act of 1927 granted to a government Commission total power over the professional fate of broadcasters, with the "public interest" as the criterion of judgment--and, simultaneously, forbade the Commission to censor radio programs. From the start, and progressively louder through the years, many voices have been pointing out that this is a contradiction impossible to practice. If a commissioner has to judge which applicant for a broadcasting license will best serve the "public interest," how can he judge it without judging the content, nature, and value of the programs the applicants have offered or will offer?

If capitalism had had any proper intellectual defenders, it is they who should have been loudest in opposing a contradiction of that kind. But such was not the case: it was the statists who seized upon it, not in defense of free speech, but in support of the Commission's "right" to censor programs. And, so long as the criterion of the "public interest" stood unchallenged, logic was on the side of the statists.

The result was what it had to be (illustrating once more the power of basic principles): by gradual, unobtrusive, progressively accelerating steps, the Commission enlarged its control over the content of radio and television programs--leading to the open threats and ultimatums of Mr. Minow, who merely made explicit what had been known implicitly for many years. No, the Commission did not censor specific programs: it merely took cognizance of program content at license-renewal time. What was established was worse than open censorship (which could be knocked out in a court of law): it was the unprovable, intangible, insidious censorship-by-displeasure--the usual, and only result of any nonobjective legis-

(CONTINUED NEXT PAGE)

lation.*

All media of communication influence on another. It is impossible to compute the extent to which the gray, docile, fear-ridden, appeasement-minded mediocrity of so powerful a medium as television has contributed to the demoralization of our culture.

Nor can the freedom of one medium of communication be destroyed without affecting all the others. When censorship of radio and television becomes fully accepted, as fait accompli, it will not be long before all the other media—books, magazines, newspapers, lectures—follow suit, unobtrusively, unofficially, and by the same method: overtly, in the name of the "public interest"; covertly, for fear of government reprisals. (This process is taking place already.)

So much for the relationship of "human" rights to property rights.

Since "public property" is a collectivist fiction, since the public as a whole can neither use nor dispose of its "property," that "property" will always be taken over by some political "elite," by a small clique which will then rule the public—a public of literal, dispossessed proletarians.

If you want to gauge a collectivist theory's distance from reality, ask yourself: by what inconceivable standard can it be claimed that the broadcasting airways are property of some illiterate sharecropper who will never be able to grasp the concept of electronics, or some hillbilly whose engineering capacity is not quite sufficient to cope with a corn liquor still—and that broadcasting, the product of an incalculable amount of scientific genius, is to be ruled by the will of such owners?

Remember that this literally is the alleged principle at the base of the entire legal structure of our broadcasting industry.

There is only one solution to this problem, and it has to start at the base; nothing less will do. The airways should be turned over to private ownership. The only way to do it now is to sell radio and television frequencies to the highest bidders (by an objectively defined, open, impartial process)—and thus put an end to the gruesome fiction of "public property."

Such a reform cannot be accomplished overnight; it will take a long struggle; but that is the ultimate goal which the advocates of capitalism should bear in mind. That is the only way to correct the disastrous, atavistic error made by capitalism's alleged defenders.

I say "atavistic," because it took many centuries before primitive, nomadic tribes of savages reached the concept of private property—specifically, land property, which marked the beginning of civilization. It is a tragic irony that in the presence of a new realm opened by a gigantic achievement of science, our political and intellectual leaders reverted to the mentality of primitive nomads and, unable to conceive of property rights, declared the new realm to be a tribal hunting ground.

The breach between man's scientific achievements and his ideological development is growing wider every day. It is time to realize that men cannot keep this up much longer if they continue to retrogress to ideological savagery with every step of scientific progress.

* See my articles "Have Gun, Will Nudge" and "Vast Quicksands" in The Objectivist Newsletter, March 1962 and July 1963. For a graphic report on the state of the television industry, see Edith Efron's articles "TV: The Timid Giant" and "Why the Timid Giant Treads Softly" in TV Guide, May 18 and August 10, 1963.

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ANNUAL B.O.D. SURVEY OF MEMBER OPINION

Individual responses will be confidential. The tabulated results will be reported in a forthcoming issue of SWL, and will provide a sound basis for the guidance of the B.O.D. and the Executive Editor.

Make your opinion COUNT!!!

Kindly complete carefully and mail to Director Jack White, 780 NW Wallu Gresham, Oregon 97030, not later than 30 January, 1970. Thank you.

(Please rate each column or section with an (x) in the appropriate box).	HQ News	ANARC Rpt	SWR	Propa gation	CCC	Tricks of Trade	QSL	BCB	DX Forum	CSU *	Non ASW Ads
1. <u>Always</u> of interest....											
2. <u>Sometimes</u> of interest.											
3. <u>Rarely</u> of interest....											
4. <u>Never</u> of interest.....											
(Please rate each column or section with an (x) in the appropriate box).											
I would like to see this section:											
a. <u>Expanded</u>											
b. <u>Stay as it is</u>											
c. <u>Reduced</u>											
d. <u>Eliminated</u>											

* Note: The Card Swap (CSU) section has recently been dropped, but please disregard and include your rating as of its latest appearances (Oct. or Nov.).

What three columns or departments of the bulletin do you consider the most valuable to you? (List in order of preference).

1. _____
2. _____
3. _____

Signature _____
 Age _____
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REMARKS: (How might we improve the bulletin's usefulness to you?).

Sister Club: CEYLONESE SWL CLUB is the official "sister club" of ASWLC.
CSWLC; Victor Goovetilleke, "Galle Walauwa", Piliyandala, CEYLON.
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of the month at 1100 GMT on 17830 kc/s. LISTEN LIVE!
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15325. 1930 GMT on Tuesdays, 15325 & 17880 kc/s. (21.460 soon).
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But the day of the Lord will come as a thief in the night; in the which the
heavens shall pass away with a great noise, and the elements shall melt with
fervent heat, the earth also and the works that are therein shall be burned up.

II Peter, 3:10

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"ASWLC"



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11 No. 3

FOUNDED: DECEMBER 1959

FEBRUARY 1970

THE DELAY: By now you have realized that this issue is late in getting to you. We had a machine malfunction on the 6th of February. An A.B. Dick serviceman checked out the machine on the 10th and said it was okay BUT on this date the 12th, I have encountered more malfunctions and have all the columns mimeo'd except for the short headquarters section. The bulletin will be mailed out during the weekend of the 14th. In the meantime, we will again have a serviceman go over the machine and correct the malfunctions. Hope that all will be in order for the March issue which is scheduled to be published on the 6th of March. Now on to some good news.

WELCOME: Gary Steele, 290 Elmside, Benton Harbor, Michigan-49022 has been appointed as Associate Editor to the QSL CORNER. We welcome Gary to the team. His first columns appear in this issue. Real extra big QSL CORNER in this issue. It is your continued support that makes these columns possible.

CONGRATULATIONS: Arthur Cushen has been awarded the Honour of Member of the Civil Division of the Most Excellent Order of the British Empire, M.B.E. The honour was bestowed upon him by the Queen. This award is for community service in radio, broadcasting and journalism, and for work in the field of blind welfare. ASWLC passes on its most hearty congratulations to Arthur for this most well deserved award. We also wish to thank his wife, Ralda, for her fine devotion over the years. (via August Balbi, Calif.).

ARE YOU WILLING TO SERVE? To facilitate the selection of qualified members to serve in various capacities within ASWLC, we have prepared the membership form which is printed in this issue. We do have openings, from time to time, and we also plan to make better use of our member talent in the submission of informative articles to various of the existing columns and sections of the bulletin. If we are to approach this properly, then we need to know more about what your specialties are, and what you want to do. We hope this makes much sense to you and that all members will cooperate by carefully filling out the form and returning it promptly for the official file, so we may get on with the task of finding the right man for the right job. (The Constitution provides that all such membership records shall be purely for official use of ASWLC and cannot be released to other individuals or agencies).

I do hope that the membership will respond to the above note. ASWLC is expanding daily thus more workers are needed. Most of the work is done at headquarters by one person so more help (LOCAL) is needed immediately if we are to continue to issue a first class bulletins such as "SWL". IT IS YOUR MOVE * NOW.

SHORTWAVE VOICES of the WORLD from the gifted pen of Richard F. Wood comes this fine book which is now available thru Gilfer Associates, PO Box 239, Park Ridge, NJ 07656. In paper-back, the price is \$3.95 postpaid.

The Voices is the first completely new book on DX'ing and shortwave broadcasting for many years, and it is made possible through the cooperation of such stations as the VOA, RFE, ABC, RSA, NHK and many others, which have provided illustrations, many of them hitherto unpublished, of their transmitters, antennas, studios and personalities. ORDER YOUR COPY SOON.

NBS Radio Station WWV..... At the request of the US Naval Observatory, notice is hereby given that the following scheduled quiet periods will NOT be observed on any of the WWV frequencies on 7 March 1970 UT (GMT): 16h 45m 15s to 16h 49m 15s UT, 17h 45m 15s to 17h 49m 15s UT, and 18h 45m 15s to 18h 49m 15s UT. The purpose of broadcasting during these particular silent periods is to provide timing signals for astronomers to observe the March 7th 1970 solar eclipse. (via NBS) UT = Universal Time which is the same as GMT.

FINIS: Word has been rcvd direct from the Iowa Shortwave DX Listeners Club that it no longer is in business. This is due to a lack of interest from its small membership. The club was three years old. We of ASWLC regret the passing of this fine dx club. Dues are to be refunded at a prorated basis.

DX CLUBS of the WORLD The European DX Council (EDXC) has just published a list of known dx clubs round the world. Copies are available from the European DX Council, PO Box 14110, Helsinki 14, FINLAND. Cost is One IRC via boat mail. AIRMAIL to USA three IRC's. Mention ASWLC when writing.

SPECIAL 1970 SOLAR ECLIPSE STUDY. On March 7th during the total solar eclipse there will be a concentrated effort to study the "D" and "E" layers of the ionosphere. It is expected that this intense scientific effort will advance our knowledge of the upper atmosphere considerably. Since this is the last survey the University of Virginia presently can undertake, the University urge participation by shortwave listeners to the greatest extent possible. More information can be obtained from Dr. David D. Meisel, Department of Astronomy, Leander McCormick Observatory, University of Virginia, Box 3818, Charlottesville, Virginia-22903. Return postage would help to defray costs.

I am hoping that the membership of ASWLC will respond wholeheartedly to this great cause. It might be the last time for you to be a real active scientist. ASWLC has been the only USA club to help out the good Dr. Meisel. When you write to him, remember to let him know that you are from ASWLC and that you want to do your part in the survey. He will supply you with the proper info for your area.

If you live in the following areas, you will be in the Mid-totality and mid-eclipse, thus dxers from these areas will be of a great help in the survey. Norfolk, Virginia - Greenville, NoCarolina - Marion, SoCarolina - Jessup, Waycross and Valdosta in Georgia. Perry, Florida. Perry is located on the Central Line of the eclipse. The other towns are just located either side of the line. Those living outside the area can help to as radio signals from stations in the path of the eclipse will be of a great value to the survey. Write today and let them know that ASWLC has sent you.

ANARC REPORT

By ASWLC Representative

Bill Sparks,
1100 Hearst Building,
San Francisco, Calif. 94103

There was no ANARC Newsletter issued in December due to a lack of activities to report according to the Executive Secretary. As a consequence, this column did not appear in the January SWL.

ANARC Convention - 1970. John Loseman of the Batesville SWA has offered to host the ANARC convention on June 24 and 25 (Wed. & Thurs.) the two days after the BSA convention. The place would be Batesville, Ark. The Executive Secretary points out that a weekend would be much better for a convention date. He also expects some additional offers.

EI Ad. About 50 requests for information on ANARC clubs were received as a result of the classified ad in EI. No more are expected.

QSL Committee. Two volunteers are now working on the committee and have been requested to act as co-chairmen. They are Ed Pyatt, another one of your ASWLC reps. to ANARC, and Kris Lemna of NASWA. They have been requested to work out a plan of action for SW stations. Any members desiring to help or with comments or suggestions for the committee should contact them at their addresses: Ed Pyatt, Box 510, Morehouse College, Atlanta, Ga. 30314. Kris Lemna, 2005 Concord Road, Muncie, Ind. 47304.

MOY Committee. Gerry Dexter writes that the committee consists of Glenn Hauser, Don Jensen, Jerry Heinen, Gordon Nelson, and Gerry as chairman. Nominations for the 1970 ANARC Man of the Year are now open. Those wishing to nominate someone for the award should forward as many details as possible to the committee regarding the nominee and his contribution. Gerry's address: Gerry Dexter, Rt. 1, Maple Rd., Lake Geneva, Wis. 53147. Nominations close May 1, 1970.

EDXC. The European DX Council has appointed as its new secretary-general Jyrki K. Talvitie, P. O. Box 14110, Helsinki 14, Finland. He indicated his desire to continue a close relationship with ANARC. In this connection the ANARC liaison man to EDXC, ASWLC member Serge Neumann, is in Germany and is in constant contact with EDXC and other European DXers.

Odds and Ends. Apparently the NYSDXA (New York State DXers Assn.) has ceased publication of its bulletin. At least none have been received at ANARC headquarters for the past three months. In accordance with the ANARC Constitution, the Secretary has notified NYSDXA that it is no longer a member of ANARC. WTFDA is now selling a log of North American TV stations (75¢ from WTFDA, Box 5001, Harbor Station, Milwaukee, Wis. 53204).

ANARC Abbreviation List. Don't forget that the abbreviation list is now on sale at ASWLC Headquarters. It is 40 pages. Cost is \$1.25 via first class mail in the USA. Get in that order now.

During the past month I have received a couple of letters from members wanting to volunteer some help on ANARC projects in answer to requests for help in prior columns. In order to save time, I would request that such inquiries be sent directly to ANARC Headquarters. The ANARC Executive Secretary is K. G. Scrimgeour, 227 Hanna Rd., Toronto 350, Ontario, Canada.

Editor (& Asia/Oceania Section): Art Glover, 2318 S. Laurel, Port Angeles, Wash. 98362
 Associate editors:
 Station Data Section-Mike Macken, 64 Court Road, Winthrop, Mass. 02152
 Eur/Africa Section-Chris Lobdell, 149 Walnut St., Reading, Mass. 01867
 Nam/Sam Section-Carroll Patterson, 784 N. Parkwood Road, Decatur, Ga. 30030

ALL TIMES=GMT

DEADLINE(Asia/Oceania Section): 20 FEBRECEPTION REPORTSASIA/OCEANIA SECTIONBRUNEI

7215 1300 R Brunei Eng-Nx 1315, s/off 1430 (Exc)(Goonetilleke-Ceylon)

BURMA

4612 1530 BBS Eng-Pop mx & nx; better than 5040 in Cal(Good)(Arrington-Cal)

4724 1130 BBS tentative Lang-talks thru utility QRM (Poor)(Ferguson-Fla)

5040 1530 BBS Eng-Prog (Fair)(Fisher-Cal)

7205 0030 BBS Burmese, 0130 Eng & 0230 s/off; new freq ex 7120 (Goonetilleke-Ceylon)

9685 0400 BBS Burmese, 0700 Eng & 0730 s/off; new freq ex 9730 (Goonetilleke)

CAMBODIA

6090 1230 Phnompenh French-Nx & prog; now no Eng @ 1245 (Goonetilleke-Ceylon)

CEYLON

11800 1630 CBC Lang-Local mx & talk to 1730 ID (Exc)(Arrington-Cal)

15230 0130 CBC Hindi to India s/on to 0430 s/off (Sun 0730). Swapped freq with Eng
which is on 15120 now (Goonetilleke-Ceylon)

17830 1100 CBC Eng-s/on to SEA, s/off 1200; last 15 min Buddhist chants.

Presume 100 kw now (Goonetilleke-Ceylon)

CHINA (PEOPLES REP OF)

6000 0200 R Peking Chinese-Prog (Fair)(Jessen-Ore)

6025 1500 R Peking Chinese-Talk & band mx (Good)(Jessen-Ore)

11945 0415 R Peking --- Usual propaganda (Exc)(Arrington-Cal)

17650 0200 R Peking Spanish-Prog (Jessen-Ore)

17680 0215 R Peking Chinese- military band mx (Jessen-Ore)

28660 1120 Unknown Chinese- off abruptly 1128. Harmonic but not hd on any of
fundamentals (Hauser-Thailand)CHINA (REP OF)(TAIWAN)

9720 1900 Taiwan --- Piano mx & talks(Good)(Pilkington-Wash) Anyone confirm? ed.

15125 0300 VOFC Eng-US pop mx, native folk mx & comment (Good)(Arrington-Cal)

30250 0935 R Svoboda, Pa-Li Lang-Talks & ID; 2 x 15125 (Hauser-Thailand)

CYPRUS

21660 1328 BBC Limassol Eng-Prog (Fair)(Lester-S Vietnam)

INDIA

3315 1230 Bhopal Hindi s/on, Eng nx 1530 (Fair)(Goonetilleke-Ceylon)

3375 0030 Gauhati Bengali s/on (Fair)(Goonetilleke-Ceylon)

4800 0100 Hyderabad Lang-s/on and IS clock chime for 6 (Goonetilleke-Ceylon)

4920 1200 Madras Eng- HS w pop mx (Exc)(Goonetilleke-Ceylon)

4840 1518 AIR Lang- Native mx, talks (Fair)(Pilkington-Wash) Right-out of line.ed

9575 1500 AIR Lang-Mx prog to 1530 when RAI QRMs (Arrington-Cal)

9720 0700 AIR Hyd. Tamil-s/on; WRTN lists am to pm without breaks but there ARE
BREAKS (Goonetilleke-Ceylon)

11710 0100 AIR Eng-Sked and time @ 0115 (Poor)(Arrington-Cal)

11810 1500 AIR Eng- thru hvy QRM (Poor)(Arrington-Cal)

17845 0500 AIR Delhi Eng-Nx 0520; // 15170 (Goonetilleke-Ceylon)

INDONESIA (JAVA)

6105 1450 Djakarta Eng-Nx and pop mx to 1530 s/off (Fair)(Arrington-Cal)

INDONESIA (SUMATRA)

4855 1530 Palembang Eng-Mx prog to 1558 (Fair)(Pilkington-Wash)

2000 Palembang --- s/on; WRTN does not list s/on this early (Goonetilleke-Ceylon)

11770 0030 VOI Chinese-0100-0230 Indonesian. WRTN does not list (Goonetilleke)

11795 1800 VOI Indonesian-to Europe; Eng 1900-2000; new freq ex 11715 (Goonetilleke)

RECEPTION REPORTS

ASIA/OCEANIA SECTION

IRAN
 7064 2000 R Iran Eng-Prog to Europe, s/off 2028. Anncd 11730 & 15135 but not 7064 (Goonetilleke-Ceylon)
 11730 2000 R Iran Eng-Nx & prog. // 15135 (Goonetilleke)
 15135 2000 R Iran Eng-prog. Sometimes strong, sometimes weak (Arrington-Cal)

IRAQ
 6095 2000 R Baghdad Eng- Prog to 2017 then into unkn lang. (Widner-Ind)

ISRAEL
 9009 0400 KI Russian-Talks // 9625 (Rowell-Wash)
 9625 2030 KI Eng- Prog to Europe (Fair)(Benton-Ala)

JAPAN
 6155 1200 FEN Eng-Prog (Fisher-Cal) 1500 (Poor)(Arrington-Cal)
 9505 1800 NHK Eng-Nx (Exc)(Pilkington-Wash)
 9590 0430 JOZ3 ---Sports prog (Fair)(Jessen-Ore)
 9605 1845 NHK ---Mx and talk prog (Exc)(Pilkington-Wash)
 11940 1715 NHK Eng- Talks (Good)(Pilkington)
 15445 2345 NHK Eng- Gen. prog (Good)(d'Adolf-Kwajalein)

KOREA, NORTH
 6250 0835 R Pyongyang Korean-Home svc (Poor)(Rowell-Wash)

KOREA, SOUTH
 15430 0300 VOFK Eng-Prog to 0400 (Good)(Arrington-Cal & Caldwell-Cal) HLK 41

KUWAIT
 11820 1230 R Kuwait Arabic- a new fqy (Goonetilleke-Ceylon)
 11940 1645 R Kuwait --- Piano mx to 1700 (Poor)(Pilkington-Wash)
 17750 0400 R Kuwait --- Back after Ramadah silence. No longer // 15185 (Goonetilleke)
 21525 1730 R Kuwait Arabic-Back again after some months (Goonetilleke-Ceylon)

LEBANON
 11790 0230 R Lebanon Eng-Mx prog to NA (Exc)(Arrington-Cal & Rowell-Wash)

MALAYSIA
 9665 0930 KL Eng- prog ex 9660 //7290(Balbi-Cal) 1530 (Exc)(Arrington-Cal)

MALDIVES REP
 3331 1300 R Maldives Divehi-s/on; 1500 Eng & Hindi mx; 15 kw (Goonetilleke-Ceylon)
 4740 1515 R Maldives Eng-prog to Asia to 1732 s/off; 30 kw (Goonetilleke)
 7225 1000 R Maldives Divehi-prog. Poor level, 2.7 kw (Goonetilleke)
 9538 0700 R MaldivesDivehi to 0900 s/off, com'cl svc. 15 kw (Goonetilleke)

NEPAL
 7105 0120 R Nepal Nepali; NOTE s/on 1 hr earlier //11970 (Goonetilleke-Ceylon)
 7195 1220 R Nepal Nepali; NOTE s/on 1 hr earlier //11970 (Goonetilleke)
 7165 1400 R Nepal Eng-Nx: NOTE change from 1500. //11970 (Goonetilleke) oops-ed.

PAKISTAN, EAST
 11650 1500 Dacca Eng-Prog (Exc)(Arrington-Cal)
 11805 0100 Dacca Bengali-Prog s/on // 15520 (Goonetilleke-Ceylon)
 21685 0815 Dacca Eng-Nx (Goonetilleke)

PAKISTAN, WEST
 17935 1500 Karachi Eng-Nx (Fair)(Arrington-Cal) 17945 @ 1335 Eng nx (Good)(Widner-Inc)

PHILIPPINES
 2420 1245 DZHP Eng- Prog to late as 1950. Not listed (Exc)(Hauser-Thailand)
 6170 1400 PBS Eng- Prog to s/off 1500 (Goonetilleke) 0845 (Good)(Rowell-Wash)
 9715 1600 FEBC Lang-Relig prog (Exc)(Arrington-Cal) Also 0430
 15170 1130 R Veritas Multi lang testing to 1430 //11830; asks for reports (Goonetilleke)
 21790 0730 R Veritas Eng- in QSO w Vatican on 21610. Somedays on 21690. Twice a week w Veritas getting tech help from Vatican. Can QSL(Goonetilleke)

QATAR
 9570 0230 R Doha s/on 0200 QRM'd by Bucharest (Goonetilleke-Ceylon)

RSFSR ASIATIC
 12040 1735 Vladivostok Russian-Talk (Good)(Pilkington-Wash)

SARAWAK
 4825 1500 RM Sarawak ---Nx & mx prog (Fair)(Pilkington-Wash)

SHORTWAVE REVIEW

RECEPTION REPORTS

ASIA/OCEANIA SECTION

SAUDI ARABIA

9720 2000 Riyadh Arabic-Talks // 11950 (Ferguson-Fla)
 11855 1945 Jidda ---Nx, Id, mx(Fair)(Jarasius-Ill) 1855 Eng (Good)(d'Adolf-Kwajalein)
 15150 2030 Jidda Arabic- thru 2230 (Exc)(Caldwell-Cal)(Rowell-Wash)

SINGAPORE

4605 1500 R Singapore ---Not listed. Hd only one time this fcy (Arrington-Cal)
 5060 1500 R Singapore ---Better than 4605, to 1530 (Arrington-Cal)

TADZHIK SSR

4635 0155 Dushanbe Lang-Prog to 0220 fade (Poor)(Billingsley-Cal)

UZBEK SSR

9600 1400 R Tashkent Eng-Nx & comment (Fair)(d'Adolf-Kwajalein)

VIETNAM, NORTH

5970 1430 R Hanoi ---Mx prog & propaganda (Good)(Arrington-Cal)

AUSTRALIA

OCEANIA

4920 0900 ABC Brisbane Eng-Nx & story (Good)(d'Adolf-Kwajalein)
 6090 0950 ABC Sydney Eng-Jazz prog. (Good)(d'Adolf) 1200 (Fisher-Cal)(Widner-Ind)
 11930 1800 RA Darwin; 1192Q replaced w 11930//11840//9540; 250 kw (Balbi-Cal)to 2200
 15130 2300 RA -- Eng-Prog to 0030 (Balbi-Cal)

NEW BRITAIN

3385 0915 R Rabaul Pidgin-Mx & IDs (Good)(d'Adolf-Kwajalein)

NEW GUINEA

3335 1025 R Wewak Eng-Mx prog (Fair)(d'Adolf-Kwajalein)

NEW ZEALAND

9520 0855 RNZ Eng-IS, s/on 0900, // 11780 (Rowell-Wash)
 15280 0200 RNZ -- to 0545 s/off (Balbi-Cal)(Arrington-Cal)

PAPUA

3235 1040 R Milne Bay Eng-Mx prog (Good)(d'Adolf-Kwajalein)
 3305 1105 R Daru EngChoice mx prog (Good)(d'Adolf)
 11880 0415 Port Moresby Eng-Testing, irregular (Balbi-Cal)

TAHITI

11830 0330 R Tahiti French-Local mx prog (Fair)(Caldwell-Cal)

SOLOMON ISL., AUSTR

3322 0750 R Bougainville Eng-Prog (Fair)(d'Adolf-Kwajalein)

NOTES

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HARMONICS - With but one exception, all responses have favored eliminating harmonics loggings from SWR. In all fairness, we will not take this action until everyone has had another month to express his desires. Unless we know that a substantial number of members find harmonics loggings useful, they will no longer be included after the March issue.

WE HOPE YOU ALL CONCUR in our singling out Victor Goonetilleke, President of Ceylonese SWL Club, for top recognition this month. Submitting what is likely to remain one of the finest jobs of careful and selective DX log reporting that we are likely to see for some time, Victor has given us all some great goodies for this SWR. We are only sorry you could not also share his equally friendly and much appreciated letter which, among other things, explained that he tried to report only those transmissions which could conceivably be heard in NA..

Wish you could have seen the masterful job of getting one's moneys worth from an aerogram letter. If we had looked under the stamp we'd no doubt have discovered another logging or two - hi. A job well-done, Victor! Our best greetings to you and to our sister club, Ceylonese SWL Club, from ASWLC and SWR.

REPORTERS THIS MONTH

Gerald Arrington-Cal	Dan Ferguson-Fla	Bill Lester-S Vietnam
August Balbi-Cal	Rob't. Fisher-Cal	Chas. Pilkington-Wash
Carl Benton-Ala	Victor Goonetilleke-Ceylon	Sam Rowell-Wash
Don Billingsley-Cal	Glenn Hauser-Thailand	Jack Widner-Ind
Dr. Bill Caldwell-Cal	Arvidas Jarasius-Ill	Bob Wiser-Cal
Steven d'Adolf-Kwajalein	Wilbur Jessen-Ore	

Associate Editor: Carroll R. Patterson, WPE4KHW
784 North Parkwood Road
Decatur, Georgia 30030

March Deadline: 14 Feb 1970

April Deadline: 21 March '70

All times: GMT

RECEPTION REPORTS

ANTILLES, NETHERLANDS

11775 0325 TWR; Bonaire; Eng; fair (Hicks, Fla.) (New? CRP)
11815 0132 TWR; Bonaire; Eng - asking for reports on this
new frequency - will send pennant on request;
good (Jarasius, Ill.)
0030 - 0130; Eng; good (Balbi, Calif.)
11820 0330 TWR; Bonaire; multi-lang; excellent (Caldwell, Calif.)
11955 2115 RN Relay; Bonaire; goes to 2250 (Robbins, Nebr)
(Replaces 11730? CRP)
15215 1830 RN Relay; Bonaire; goes to 1950 & opens again
© 2000 to 2250 + not on 15220 (Robbins, Nebr.)

ARGENTINA

9710 0445 LRX, R. El Mundo; Buenos Aires; Eng; woman ancr asks
for comments & suggestions; good with QRM fr
RN Relay-Bonaire opening at 0500 on 9720
(Robbins, Nebr)
11780 0200 LRY2, R. Belgrano; Buenos Aires; Sp; Nx & ID "No-
ticias Belgrano" (Lobdell, Mass.)
15145 2300 RAE; Buenos Aires; Sp; religious pgm; excellent
(Caldwell, Calif.) (Is this new freq? CRP)

BOLIVIA

4774 0350 CP84, R. Los Andes; Tarija; Sp; concert mx, ID &
s/off © 0400; fair (Sparks, Calif.)
6005 0230 CP58, R. Progreso; La Paz; Sp; mx; fair (Caldwell, Calif.)

BRAZIL

4865 2305 PRC5, R. Clube do Para; Belem; Port; talks & mx; ID
© 2305 (Ferguson, Fla.)
4875 0400 ZY230, R. Jornal do Brasil; Riode Janeiro; Port; pop
mx & ID; s/off 0500; excellent (Sparks, Calif.)
4905 0325 ZY220, R. Relogio; Riode Janeiro; Port; LA mx; good
(Mayo, NY)
4995 0215 ZYA2, R. Brasil Central; Goiania; Port; anmts (Fergu-
son, Fla.)
5045 0300 R. Copacabana; Port; commentary & Class mx; ID
& s/off © 0327 (Sparks, Calif) (Bill: WRTVH
lists this freq as ZYP23, R. Imperial at Petro-
polis. Is R. Copacabana a replacement? CRP)
6000 0130 PRK5, R. Inconfidencia; Belo Horizonte; Port;
ID w/many ads (Lobdell, Mass.)
11790 2350 PRI39, R. Nacional, Riode Janeiro (Soneff, La.)
(WRTVH lists freq as 11795)
11925 0145 ZYR78, R. Bandeirantes; Sao Paulo; Port; mx; fair
(Caldwell, Calif.)
15105 2300 ZY232, R. Rural Brasileira; Riode Janeiro; Port;
hrd Xmas Eve w/half-hour show, apparently runs
on very irregular sched, s/off 2330 (Robbins,
Nebr.)
15145 0030 ZY232, R. Jornal do Comercio; Recife; Port; pop mx &
ID; excellent (Sparks, Calif.) (SWR-Amer., page 1)

RECEPTION REPORTSBRAZIL (cont'd)

Caldwell hrd R.Jornal do Comercio 0015 -
0100 with initially an excellent signal -
QRM increased badly.

CANADA

6010 1036 CJCX; Sydney, N.S.; Eng; pop mx (Redman, Ill.)
6160 1621 CKZU(CBC); Vancouver, B.C.; Eng; fair (Fisher, Calif.)
6160 2236 CKZN(CBC); St. Johns, Newfoundland; Eng; forum-type
CBC program - local ID for CBN & CKZN; fair
(Robbins, Nebr.)

COLOMBIA

3375 0125 R. Sutatenza; Bogota; Sp; //5095 & 5075 (Ferguson,
Fla.)
4906 0457 HJA G, Emis Atlantico; Barranquilla; Sp; LA mx;
ID hrd "...en toda Barranquilla, en toda At-
lantico...HJAG" MW outlet prob incld in ID -
suddenly left the air (Robbins, Nebr.). 0610
w/LA mx (Ferguson, Fla)
4965 0227 HJAF, R. Santa Fe; Bogota; Sp; man talk (Lobdell, Mass.)
0520-0550; Sp; good (West, Calif)
5020 0638 HJFW, Transmisora Caldas; Manizales; Sp; local mx &
Id (Lobdell, Mass.)
0930; fair (Fisher, Calif.)
5035 0600 HJIC, LV de Caqueta; Florencia; Sp; sp late New Years
Eve fiesta mx; fair (Sparks, Calif.)
0632; LA mx & ID (Ferguson, Fla)
5095 0219 HJGG, R. Sutatenza; Bogota; Sp; dual 5075; excellent
sig w/some QRM (Mayo, NY)
6040 2253 HJLB, LV del Tolima; Ibague; Sp; talks & ID (Ferguson,
Fla.)
6075 0900 HJCT, R. Sutatenza; Bogota; Sp; pop mx (Redman, Ill.)
6095 1152 HJTW, LV del Centro; Espinal; Sp; mx & TC; ID hrd
"La Voz del Centro"; poor-much het (Patterson, Ga)

COSTA RICA

4784 0310 TIRHB2, R. Popular; San Jose; Sp; pop mx (Redman, Ill.)
6037 0355 TIFC, Faro del Caribe; San Jose; Eng; gospel prgr;
fair to poor (Happell, Va.)
1530; religious songs (Ferguson, Fla.)
6150 0800 TICS, R. Atenea; San Jose; Sp; LA mx (Redman, Ill.)
1150-1212; Sp; mx & TC; "Atenea" mentioned at TC;
fair (Patterson, Ga.)

DOMINICAN REPUBLIC

3365 0226 HIRL, R. Exitos; Santiago; Sp; LA mx; excel (Happell, Va.)
4910 2100 HIN, R. HIN; Santo Domingo; Sp; nx; excellent (Ferguson,
Fla.)
4880 0400 HIJP, R. Comercial; Santo Domingo; Sp; LA mx w/freq.
IDs; excellent (Happell, Va.)
(sorry, out
of line, Assoc. Ed.)

ECUADOR

4865 0400 HC4XX, R. Cenit; Bahia de Caraquez; Sp; LA mx & ID
poor (Sparks, Calif.)
4910 0320 HC1MJ, Emis. Gran Colombia; Quito (Soneff, La.)
0445-0517; good (Patterson, Ga.)

ECUADOR (cont'd)

4930 0230 HC1CR; R. Casa de la Cultura; Quito; Sp (Soneff, La.)
 4940 0400 HC1XZ, Rdif. Nac.; Quito; Sp (Fisher, Calif.)
 5990 1158 HC4FA, LV de Manabi; Portoviejo; Sp; talk & more
 talk; ID hrd "Radio Manabi"; good (Patterson, Ga.)

EL SALVADOR

5980 0300 YSS, R. Nac. de El Salvador; San Salvador; Sp & Eng;
 "Melodies of Marimba"; fair (Fisher, Calif)
 (CRP: Bob Fisher says he has not heard since
 14 Dec '69)

FRENCH GUIANA

3385 0400 ORTF; Cayenne; Fr; pop mx before live audience on
 New Years Eve; ID & anthem @ 0500 s/off; ex-
 cellent (Sparks, Calif)
 from 2140; m & w in Fr; sig improving (Ferguson,
 Fla)
 at 1000 in Fr; fair (Balbi, Calif.)
 (CRP: Been trying to log this one for long time-
 have yet to hear and am much closer than Calif!)

GRENADA

15115 2039 WIBS; St. George's; Eng; request prog. with Xmas mx
 good (d'Adolf, Marshall Islands)
 (CRP: This, of course, an often hrd & reported
 sta. here in the States - but now fr the Mar-
 shalls)

GUATEMALA

3358 (time?) TGVN, LV de Nahuala; Nahuala (Tent.-no ID hrd)
 3359 good (Shaw, Calif.)
 3360 0300-0320 s/off; marimba mx & ID; fair (Sparks,
 Calif)
 2320; light mx (Ferguson, Fla.)
 3380 0345 TGCH, R. Chortis; Chiquimula; Sp; organ mx; long time
 between IDs; surprisngly fine sig. (Shaw, Calif.)

GUYANA

5980 0915 R. Demerara; Georgetown; Eng; s/on 0915 & nx 0945;
 fair (Balbi, Calif.)

HONDURAS, BRITISH

3300 0100 R. Belize; Belize; good (Dressler, Fla.)
 0330; Eng; c&w mx; poor, heavy static (Jarasius-
 Ill.)

HONDURAS

4820 (time?) HRVC, LV Evangelica; Tegucigalpa; "loud for a change,
 not hrd regularly w/same quality" (Shaw, Calif.)
 0300; Eng; religious prgr (Redman, Ill.)
 0401 s/off; excellent (Mayo, NY)
 0330; Eng; religious prgr; fair (Jarasius, Ill.)
 4846 0647 HRVK, R. Catolica (LV de San Isidro); La Ceiba;
 "on late 1 Jan" (Ferguson, Fla.)
 Shaw of Calif. says "What's this? 0325 Vatican
 Radio IS fol by few words Spanish -then carrier
 cut off. Does S. Isidro relay prgrs, maybe?"
 5960 1540 HRRH, LV de Occidente; S. Rosa de Copan; Sp; light
 mx & adds (Ferguson, Fla.)
 1200-1218; fair in Sp (Patterson, Ga.)

HONDURAS (cont'd)

6077 1530 HRMH, LV del Junco; Santa Barbara; mx (Ferguson, Fla.)
6165 1535 HRTV, R. Television; Tegucigalpa; tent. (Ferguson, Fla.)

PERU

3230 0300 OBX7D, R. El Sol de los Andes; Juliaca; Sp; poss. a
a sports progr (tentative) (Ferguson, Fla.)
4935 0259 OAX9E, R. Tropical; Tarapoto (Soneff, La.)
4995 1001 OAZ4C, R. Andina; Huancayo; Sp. (Fisher, Calif.)
5035 0335 OAX6U, R. Ilo; Ilo; Sp songs, talks, ID (Ferguson, Fla.)
5050 0530 R. Loreto; Iquitos; pop mx/ID; fair (Sparks, Calif.)
6045 0330 OCY4H, R. Santa Rosa; Lima; NA&LA pop mx; excellent
(Caldwell, Calif.)
6020 1118 OAX4Q, R. Victoria; Lima; Sp; Peruvian mx; ID hrd:
"R. Victoria de Lima en Peru" (Patterson, Ga.)
6105 0030 OAX6F, R. Nac.; Tacna; Sp; Xmas mx; fair (Caldwell, Cal.)

VENEZUELA

3245 2243 YVKT, R. Libertador; Caracas; Eng & Sp; ads & nx;
(tentative) (Ferguson, Fla.)
3385 0310 YVQI, R. Barcelona; Barcelona; Sp; LA mx; freq IDs;
poor (Happell, Va.)
on 3384; 2322; excellent signal - no sign of
Cayenne at that time (26 Dec) (Ferguson, Fla.)
4960 0342 YVAQ, R. Sucre; Cumana; Sp; chimes & TC (Lobdell, Mass.)
at 0250 with IDs (Soneff, La.)

CREDITS

Reports received thru 23d January were considered. Thanks to the following reporters and a big tnx to the new ones - please become a regular:

August Balbi, Los Angeles, Calif.
Dr. Wm. G. Caldwell, L.A., Calif.

Steven P. d'Adolf, Marshall Is.
M. F. Dressler, Jacksonville, Fla.
Dan Ferguson, Coral Gables, Fla.

Robt. W. Fisher, L. A., Calif.
Eric Happell, Lynchburg, Va.
Rev. Wayne Heck, Genoa, Colo.
Terry R. Hicks, Ft. Lauderdale, Fla.

Arvidas Jarasius, Lansing, Ill
Chris Lobdell, Reading, Mass.
Paul Mayo, Brooklyn, NY
Ron E. Redman, Decatur, Ill.
Marv Robbins, Omaha, Nebr.
Edward Shaw, La Mesa, Calif.
John T. Soneff, Jr., N. Orleans
Bill Sparks, San Francisco
Elbert H. West, Sunnyvale,
Calif.

COMMENT

18 reports were received for this month's "SWL" which is an increase of over 100%. Keep 'em coming and I'll have to ask Art Glover, our SWR Editor, for more pages!

Due to space limitations, many reports had to be edited out as, in my opinion, they were on the "easier to get" stations and/or countries. I dislike doing this but space limitations offer me no other choice.

Please double space between each entry. This is essential as your letters (reports) or cards are cut up for assembling for editing & typing. Also note masthead for new deadlines - they've been extended!

SHORT WAVE REVIEWEUROPE - AFRICA

Editor: Christopher R. Lobdell - 149 Walnut Street - Reading, Mass. 01867

MARCH DEADLINE: February 20th

APRIL DEADLINE: March 20th

EUROPEALBANIA

6200 0230 R. Tirana- English program //7310 (good)(Bacon-La & Sullivan-Oregon)
 7065 0355 R. Tirana- English sign off (good)(Bacon-La)
 7312 0330 R. Tirana- English program (poor)(Caldwell-Ca)
 9780 0200 R. Peking(relay)- English program (Powell-Virginia)
 9787 0000 R. Tirana- English program (fair)(Zilmer-Wisconsin)

ARMENIA

11890 1542 R. Moscow, Yerevan(list)- Asiatic lang.(Robbins-Neb)
 17775 0300 R. Yerevan- English news (exc.)(Sullivan-Oregon)
 17860 0325 R. Yerevan- English commentary (exc.)(West-California)

AUSTRIA

6155 0330 Austrian Radio- Music //9770 (good)(Bacon-Louisiana)
 6155 0500 Austrian Radio- English ID (poor)(Arrington-California)
 7245 0700 Austrian R.- s/on in German (poor)(Benton-Alabama)
 9770 0011 Austrian Radio- English program (fair)(Hicks-Florida)
 15200 1800 Austrian Radio- German s/on //15210 (exc.)(Sullivan-OR)

AZORES

4865 2238 E. Regional- Port. prog. to 2302 s/off (fair)(Robbins-Neb)

BELGIUM

6125 0050 RTB- English program //9615 (poor)(Sullivan-Or. & Hicks-Fl)

BULGARIA

6070 2140 R. Sofia- DX program in English (good)(Hicks-Florida)
 9700 0000 R. Sofia- English program (good)(Zilmer-Wisconsin)
 9700 0400 R. Sofia- English news (fair)(Sullivan-Oregon)

BYELORUSSIA

7330 0450 R. Minsk(list)- Home service in Russian (poor)(Shaw-CA)
 15175 1425 R. Moscow, Lvov(list)- program from Moscow (Robbins-Neb)

CZECHOSLOVAKIA

7345 0100 R. Prague- Eng. program //9630(Zilmer-Wis & Powell-Vir)
 7345 0315 R. Prague- English program (good)(Bacon-La)
 9505 0720 R. Prague- Eng commtry & music (Poor)(Benton-Alabama)
 9605 1730 R. Prague- English to Africa (poor)(Sullivan-Oregon)
 21700 0700 R. Prague- Mx & English commtry (good)(d'Adolf-Marshall I)

DENMARK

9520 0145 R. Denmark- English news (fair)(Sullivan-Oregon)
 9610 0300 R. Denmark- Lang. program (good)(Caldwell-Ca)
 15165 1445 R. Denmark- English program (Arrington-CA & Robbins-Neb)
 15165 1730 R. Denmark- Danish program (fair 7 Dec)(Fisher-CA)

FINLAND

6120 0500 FBC- English program (fair)(Sullivan-Oregon)
 15185 1515 FBC- Talks in Finnish w/mx (exc.)(Arrington-Ca)

FRANCE

15190 1930 ORTF- English program (good)(West-Ca)

GERMANY (EAST)

5955 0230 RBI- English program (good)(Zilmer-Wis & Hicks-Fla)
 5955 0355 RBI- English to WCNA (good)(Bacon-La)
 17755 0150 RBI- German w/IS at 0200 (Robbins-Nebraska)

GERMANY (WEST)

6005 0500 RIAS- German mx & anmts (fair)(Robbins-Nebraska)
 6030 0700 SDR, Stuttgart- Gung, German ID & nx (good)(Lobdell-Mass)

EUROPE

GERMANY (WEST)

6085 0530 BR, Munich- nx, polkas, & anmts in German (fair)(Robbins)
 6145 0330 DW- English program (good)(Bacon-La)
 6145 0445 DW- English nx & mx (good)(West- Ca)
 7225 0430 DW- English news (poor)(Arrington-Ca)
 9735 0145 DW- English into German at 0200(Powell-Vir & Hicks-Fla)
 11795 1900 DW- English program (fair 25 Dec)(Fisher-Ca)
 15410 2255 DW- German (good) //9610,9735,11925,17800 (MacKenzie-Ca)

GREAT BRITIAN

7130 0130 BBC- English program (fair)(Zilmer-Wisconsin)
 9580 1630 BBC- English program (exc.)(Arrington-Ca)
 23600 0213 BBC- concert mx (2x11800 harmonic)(fair)(d'Adolf-Marshall)

GREECE

6150 0415 VOA, Thessaloniki- Russian (fair-good)(Benton-Alabama)

HOLLAND

11730 0200 R. Nederland(Bonaire)-English program (Powell-Virginia)
 11730 0500 R. Nederland(Bonaire)-"Happy Station" prog. (Arrington-Ca)

HUNGARY

6235 0300 R. Budapest- English program (Arrington-Ca, Bacon-La & Zilmer-Wisconsin)

ITALY

9575 0100 RAI- English //6010 w/Fr. at 0120 (Bacon-La, Benton-Ala, Thornton-Ca, West-Ca & Zilmer-Ca)

MONACO

7290 0725 TWR- English s/on w/IS & ID (good)(Koukol-Ill)

NORWAY

9645 0225 R. Norway- Norse w/English IDs (Bacon-La, Widner-Ind, & Hicks-Fla)
 17825 1600 R. Norway- English program on Sunday (exc.)(Arrington-Ca)
 25730 1500 Norse program //25900 (fair)(Zilmer-Wisconsin)

POLAND

9655 0315 R. Warsaw- English program (Bacon-La & Hicks-Fla)

PORTUGAL

6025 0200 R. Portugal- English //11935 & 15125(Bacon, Sullivan, Zilmer)
 11935 2030 R. Portugal- Port. pops to Africa (good)(Benton-Ala)
 15355 2020 RFE- Polish & Czech (Benton-Ala & Sullivan-Oregon)

RSFSR (European)

5900 1500 R. Moscow- IS then into native language (fair)(Jessen-Or)
 7150 0130 R. Moscow- English nx & folk tunes (good)(Hicks-Fla)
 7330 0100 R. Moscow- English program (fair)(Zilmer-Wisconsin)
 9650 0130 R. Moscow- English program (Powell-Virginia)
 9655 0245 R. Moscow- English //7150, 7330 (good)(Bacon-La)

RUMANIA

6150 0300 R. Bucharest- English to NA //9570, 11810 (good)(Bacon)
 6150 0440 R. Bucharest- English to WCNA (Widner-Indiana)

SICILY

7175 0500 RAI, Caltanissetta- Italian s/on w/class. mx (koukol-Ill)

SPAIN

6140 0115 RNE- English to North America (good)(Bacon-La)
 9760 0100 RNE- English program (good)(Zilmer-Wisconsin)

SWEDEN

5990 0030 SBC- English program (poor)(Hicks-Fla & Zilmer-Wis)
 11705 0330 SBC- English news (poor)(Sullivan-Oregon)

SWITZERLAND

6120 0445 SBC- English to Africa (good)(Arrington-Ca & Jessen-Or)
 9535 0130 SBC- English (Hicks-Fla, Sullivan-Oregon, Zilmer-Wis)
 9590 0700 SBC- English to Aust. & NZ (fair)(Benton-Alabama)
 17830 1506 SBC- English to Mid East //15305 (good)(Thornton)

SHORT WAVE REVIEWEUROPEUKRAINE

9600 0032 R. Kiev- English w/Native tunes (good)(Hicks-Florida)
 9665 0030 R. Kiev- English program (fair)(Zilmer-Wisconsin)
 11950 1200 R. Moscow, Kharkov- IS followed by Asiatic lang (Robbins)

VATICAN STATE

6000 0050 Vatican R.- English to NA (fair)(Zilmer-Wisconsin)
 9615 0103 Vatican R.- Church nx in English (good)(Hicks-Florida)
 11740 1510 Vatican R.- English news (poor)(Benton-Alabama)

AFRICAALGERIA

9685 0630 RTA- s/on in Kabul to N. Africa (fair-poor)(Benton-Ala)

ANGOLA

7245 0500 R. Angola- IS into "A Portugesa" (1 Jan)(Shaw-Ca)

ASCENSION IS

7105 0530 BBC- English program (good)(Jessen-Oregon)
 9510 2230 BBC- English program (exc 7 Dec)(Fisher-Ca)
 9510 0300 BBC- English news (good-exc.)(Benton-Alabama)
 11920 0429 BBC- s/on in English (good)(Jarasius-Illinois)
 15260 2100 BBC- Nx & pop music to LA (fair-good)(Benton-Alabama)
 15400 2000 BBC- English program (exc.)(Caldwell-Ca)

BIAFRA

6145 0500 VOB- Native tunes w/Eng. anmts. (Caldwell-Ca & Benton)
 7305 0430 R. Biafra- Nx, mx & religous prog. (good)(Arrington-Ca)

BOTSWANA

4845 0445 R. Botswana, Gaberones- Afro mx w/English anmts (poor)
 (Ferguson-Florida)

CANARY IS

11800 0400 RNE- Spanish mx & talks (exc.)(Arrington-Ca)
 11800 2230 RNE- US pops w/Spanish anmts (good)(Caldwell-Ca)
 15365 2015 RNE- Spanish ID (fair-good)(Benton-Alabama)

CAPE VERDE IS

3883 2245 R. Clube- Portuguese play & mx (good)(Koukol-Illinois)

CHAD

4904 2300 RNT, Ft. Lamy- Afro mx w/Fr. announcements to 2330.
 (31 Dec)(Robbins-Nebraska)

CONGO (DEM REP)

15245 1915 RTNC- Fr. anmts/Afro tunes (Arrington-Ca & Caldwell-Ca)

CONGO REPUBLIC

4843 0500 RTG- s/on w/anthem & ID (Ferguson-Florida)
 15190 1930 R. Brazzaville(ORTF)- Eng. nx from Paris (Benton-Ala)
 21500 0740 R. Brazzaville(ORTF)- French mx (good)(d'Adolf-Marshall I
 21500 1112 R. Brazzaville(ORTF)- English nx from Paris(d'Adolf)

DAHOMEY

4870 2200 R. Dahomey- s/off w/anthem (fair)(Koukol-Illinois)

GABON

4777 0500 RTG- French news (Ferguson-Fla)
 4777 2245 RTG- Athem & speech (good)(Robbins-Nebraska)

ETHIOPIA (out of order)

11890 0530 ETLF- nx, mx & stories (d'Adolf-Marshall Is & Widner-Ind)
 11910 1930 ETLF- Christmas music (exc.)(Robbins-Nebraska)
 15155 1730 ETLF- Christmas music (good)(Caldwell-Ca)

GHANA

3350 2245 GBC- English talks //3366 (fair)(Koukol-Ill)
 3366 2300 GBC- English s/off (Koukol-Ill)
 4980 0635 GBC- nx & xmas music (good)(d'Adolf-Marshall Is)
 4915 0605 GBC- English nx (poor w/CW QRM)(Patterson-Ga)

GHANA (continued)

11850	2030	R. Ghana- English to NA//9760 (Benton, Hicks, & West)
21545	1500	R. Ghana- English program (fair)(Zilmer-Wisconsin)
<u>GUINEA (REP)</u>		
4900	2058	RN- Afro tunes w/French anmts(fair-poor)(Lobdell&Koukol)
<u>GUINEA (EQUATORIAL)</u>		
6250	2245	R. Santa Isabel- light mx w/Spanish anmts.(good)(Koukol)
<u>IVORY COAST</u>		
11920	0647	R. Abidjan- French ID & native tunes (exc.)(Patterson-Ga)
<u>LIBERIA</u>		
7175	0600	VOA, Monrovia- French program (good)(Jessen-Oregon)
15095	2230	ELWA- English ID (exc.) (Arrington-Ca)
15125	2115	ELWA- Arabic program (good)(Jarasius-Ill)
15445	2000	VOA, Monrovia- English bcst (Benton-Ala & Robbins-Neb)
<u>MALI</u>		
4835	2200	R. Mali- French program (fair w/RTTY QRM)(Koukol-Ill)
<u>MOROCCO</u>		
7250	0430	VOA, Tangier- Eng. ID into lang. (ARO QRM)(Widner-Ind.)
<u>MOZAMBIQUE</u>		
4855	0300	RCM- pops w/many ads. (fair)(Shaw-Ca)
<u>NIGERIA</u>		
7275	0545	R. Nigeria- IS & s/on in English (good)(Robbins-Neb)
7275	0725	R. Nigeria- English to West Africa (fair)(Benton-Ala)
<u>RHODESIA</u>		
4828	0330	RBC- English ID w/Afro tunes (Shaw-Ca & Ferguson-Fla)
<u>RWANDA</u>		
9690	0620	DW- English commentary (good)(Benton-Alabama)
11905	0615	DW- English program (Widner-Indiana)
15380	2130	DW- pop mx w/German anmts. (exc.)(Caldwell-Ca)
<u>SENEGAL</u>		
4950	0215	R. Senegal- Afro & lght mx w/French anmts to 0300 s/off (Ferguson-Fla)
4950	0609	R. Senegal- Fr. Id followed by nx & pops (good)(Patterson)
7210	0556	R. Senegal- IS & ID followed by pops (good)(Robbins-Neb)
<u>SEYCHELLES</u>		
15265	1305	FEBA- testing, mx & frequent IDs(exc.)(d'Adolf-Marshall)
15440	2325	FEBA- ID & English nx from Manila (good)(Robbins-Neb)
<u>SOMALI REPUBLIC</u>		
6097	0335	R. Mogadiscio- slow chanting (QRM from DW)(Ferguson-Fla)
<u>SOUTH AFRICA</u>		
7150	0345	Springbok R.- ENG ID w/many ads in Afrikaans & English followed by pop mx (Mac Kenzie-Ca & Zilmer-Wisconsin)
7260	0500	Springbok R.- Afrikaans w/ads & pop mx (Shaw-Ca)
9705	0030	RSA- English program //9715 & 11875 (Zilmer & Bacon)
11875	0230	RSA- English //9705,9715,15220 (Sullivan-Ore & Hicks-Fla)
15175	2100	RSA- Portuguese s/on (good)(Jarasius-Ill)
15220	2230	RSA- English program (exc.)(Robbins-Neb)
15220	0230	RSA- English to WCNA //11875, 9715, 9705 (Powell-Vir)
21480	1825	RSA- English to United Kingdom (fair)(Benton-Ala)
<u>SUDAN</u>		
4994	2041	SBS- Arabic talks & chanting (fair w/RTTY QRM)(Lobdell)
<u>TOGO</u>		
5047	0613	R. Togo- (tent) French nx & mx (poor w/het)(Patterson)
<u>TUNISIA</u>		
6195	2330	RTT- s/on w/Arabic anthem, that should be s/off (Koukol-Ill)
<u>UNITED ARAB REPUBLIC</u>		
9475	0200	R. Cairo- English nx & country (Sullivan-Ore & West-Ca)

UNITED ARAB REPUBLIC

9702 0545 R. Cairo (tent)- in lang w/8 chimes to 0600 s/off
(Ferguson-Florida)

UPPER VOLTA

4815 0600 RTV- s/on in French; powerful level. Is this still only
4 kw ?? (Ferguson-Florida)

ZAMBIA

3346 0400 ZBS- English ID & nx into pop mx (Shaw-Ca & Koukol-III)

ZANZIBAR

3339 0330 R. Tanzania, Zanzibar- s/on w/anmts. by YL, then into
slow chant (Ferguson-Florida)

As you can see from the outstanding number of reports, support has been increasing with each bulletin. Keep those reports coming !!!

Because of space limitations, please submit one logging for each station. Although I would like to list every logging submitted, I find it becoming more difficult as reports become more numerous.

Don't forget that when reporting list the frequency first and then the time of reception. It makes it easier to prepare the column.

Has anyone received a verification from Gabon (4777) in the past three years?? If so please write me as soon as possible.

CONTRIBUTORS FOR THIS MONTH

Steve P. d'Adolf	Kwajalein, Marshall Is.
Gerald Arrington	Selma, California
Ray J. Bacon	Baton Rouge, Louisiana
Carl Benton Jr.	University, Alabama
Bill Caldwell, M.D.	Los Angeles, California
Dan Ferguson	Coral Gables, Florida
Robert Fisher	Los Angeles, California
Terry R. Hicks	Ft. Lauderdale, Florida
Arvidas Jarasius	Lansing, Illinois
Wilbur Jessen	Eugene, Oregon
Mark Koukol	Naperville, Illinois
Stewart Mac Kenzie	Huntington Beach, California
"Pat" Patterson	Decatur, Georgia
Tom Powell	Lynchburg, Virginia
Marvin Robbins	Omaha, Nebraska
Ed Shaw	La Mesa, California
James Sullivan	Portland, Oregon
Jim Thornton	Venice, California
Elbert L. West	Sunnyvale, California
Robert Zilmer	Milwaukee, Wisconsin

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Editor: Bill Migley
210 S. Maple St.
Lancaster, Ohio 43130

ECB International
All
Times
GMT

Mar. Deadline: Sat. Feb. 28
Apr. Deadline: Sat. Mar. 28

International Log

- 540 XEWA Mexico-San Luis Potosi o/u/CBK at 0415 w/SS (hereafter SS is the abbrev. for "Spanish"-ed.) mx, many anmts. (Sadoian-Calif)
- 655 YSS El Salvador-San Salvador fair around 0400-0430 for country #10. (Bochantin-Ill) Radio Nacional de El Salvador hrd at 0320, w/SS ID at 0330. (Sundstrom-NJ)
- 670 YVLL Venezuela-Caracas R.Rumbos hrd u/CKMP at 0911 on MM 1/19. (Boomer-WVa)
- 675 YND Nicaragua-Managua Union Radio at 0355 w/talk in SS to ID at 0403. Good signal. (Sundstrom-NJ)
- 700 TGHR Guatemala-Guatemala City R.Mundial here o/u/WLW 0435 1/11 w/MoR mx. (Sadoian-Calif)
- 719 CMGN Cuba-Matanzas measured at 719.89 kc 12/8 0525 w/mx, SS anmts. (Sadoian-Calif)
- 725 SRS Surinam-Paramaribo good signal 12/23. (Mayo-NY) Weak signal 0355 12/7 in Un ID lang. (Sadoian-Calif)
- 730 XEX Mexico-Mexico City loud at 0357 w/SS mx, anmts, etc. 12/7. (Sadoian-Calif)
- 750 YNX Nicaragua-Managua weak 12/23 w/QRM from WSB. (Mayo-NY) Hrd 0540 w/SS mx at a fair level. (Ferry-Calif)
- 780 ZBVI British Virgin Is.-Roadtown signal S9 plus 20 at s/on 0958 MM 12/15 w/GSQ. (Sadoian-Calif)
- 800 XFLO Mexico-Ciudad Juarez o/CKLW and PJB at 0330 12/12. (Boomer-WVa)
- 820 HJED Colombia-Cali very strong on MM 12/29 at 0700. (Mayo-NY)
- 834 British Honduras-Belize noted at s/off 0425 12/7 w/GSQ. (Sadoian-Calif)
- 836 France-Nancy RTF in w/nx in FF (French) at 0704 12/29. (Mayo-NY)
- 845 Italy-Rome RAI very weak 12/20 at 2212. (Mayo-NY)
- 880 TGJ Guatemala-Guatemala City hrd almost nightly from 0300 on w/SS anmts & mx; good signal. (Ferry-Calif)
- 905 YSQJ El Salvador-San Salvador Radiopolis in-and-out 0130-0455 w/poor signal w/tentative ID at 0450 (finally!). Apparent s/off 0455 as lost all traces of a carrier. (Sundstrom-NJ)
- 919 HJAE Colombia-Cartagena "Emisoras Fuentes" 0505-0600 w/ID's at 0505, 0530. Man & woman alternating on some anmts. MoR mx. (Sundstrom-NJ)
- 1214 England-London again readable w/weak audio 0625 1/7 and 1/8, then vanished. (Sadoian-Calif)
- 1295 PJJ2 Neth. Antilles-St. Martin very weak but readable w/religious talk, mx at 1014 12/22. (Sadoian-Calif)
- 1375 TJMAR Costa Rica-Limon R. Monumental in at 0250-0303 w/talk in SS, ID at 0303. Fair signal, but splatter from 1370 & 1380. (Sundstrom-NJ)
- 1439 Luxembourg-briefly readable w/ID, otherwise mostly het against 1440. (Sundstrom-NJ)
- 1466 3AM4 Monaco-Monte Carlo 0640 on w/up-tempo pop music show in FF. Excellent when splash from 1470 dies down. (Sundstrom-NJ)
- 1475 Asiatic Russia-Vladivostok good at 1040 w/JJ (Japanese) program; auroral flutter noted. (Sadoian-Calif)
- 1506 Anguilla-The Valley 12/9 2315-2345. ID before news at 2315, in English, pop music. Woman announcer between records impossible to copy w/shallow modulation even when at peak levels (good enough to copy w/rcvr bandpass wide open at times). Supposedly 500 watts on 1505 kc. Checked frequency carefully, I think it went up 1 kc. Asked about it in report, have fingers crossed for quick veri. Country #49 and the best DX yet for me. (Sundstrom-NJ)
- 1540 ZNS1 Bahamas-Nassau w/"Zed-N-S, the Voice of the Bahamas" ID at 0922. Weak u/KBUY. (Sadoian-Calif) Hrd at 0429 w/Coke ad, mx; in for about a minute. (Sprague-Kans)
- 1554 RTF France-Nice 0605-0615 w/music & talk in FF. Good signal. (Sundstrom-NJ)

BCB InternationalEastern Log

- 540 WDAK Georgia-Columbus in 2308-2327 w/R&R mx, good signal, using only a 4 inch Ferrite rod antenna; power only 500 watts. (Buckley-Va)
- 550 WGR New York-Buffalo at 0055-0105 w/mx, nx, wx & driving conditions; fair signal. (Buckley-Va)
- 560 WGAI North Carolina-Elizabeth City w/Mutual program at 0017. QRM from WIND. (Widner-Ind) Mutual will carry the Frazier-ELLIS Heavyweight Championship on 2/16.-ed.
- 570 WAAX Alabama-Gadsden w/ID at 0500 and anmts to s/off. (Widner-Ind)
- 610 WSGN Alabama-Birmingham w/mx at 0626. (Widner-Ind)
- 620 WTMJ Wisconsin-Milwaukee 0615-0703 s/off o/WSUN & UnID SS. (Sundstrom-NJ)
- 640 CBN Newfoundland-St. Johns logged at 0500 s/on 12/8 for NNRC DX Special. Hrd briefly w/ID & anmt, then lost to CMQ-KFI QRM. (Sundstrom-NJ)
- 680 WPTF North Carolina-Raleigh hrd w/HI (Holiday Inn Nighttime Program). (Widner-Ind)
- 730 CHIR Ontario-Leamington in at 0615-0705 w/HI o/CKAC & UnID SS. (Sundstrom-NJ)
We have a new list of HI stations here at BCB hqtrrs which we will have for you, hopefully next month. This station is not listed in the list, and is probably the HI I've heard on this channel.-ed.
- 780 WAVA Virginia-Arlington fairly strong w/lkw at 2158. (Mayo-NY)
- KSPI Oklahoma-Stillwater at 1254, fair, w/market rpts, mx. (Sprague-Kans)
- 800 CKLW Ontario-Windsor excellent at 0400 w/rock mx. (Halprin-NJ)
- 810 WEKG Kentucky-Jackson logged at 0716 s/on w/NRC DX Special back on 11/25, but bad QRM from WGY even w/loop. Seemed to be mostly music, but hard to tell. Anmts quite clear as WGY all mx; hrd thru 0745. (Sundstrom-NJ)
- 900 CHML Ontario-Hamilton at 0500-0514 w/Christmas mx, nx, sports, wx; poor signal due to QRM by WJWL Georgetown, Delaware, DX Special. (Buckley-Va)
- 920 WJAR Rhode Island-Providence in at 0015 poor reception due to severe fading and QRM; male speaker having a talk show. (Allen-Mass)
- WGST Georgia-Atlanta w/mx at 0050. (Widner-Ind)
- WMEG Florida-Eau Gallie logged at 0530 w/ID & ad for local HI. Dominant on 920, but badly QRMed by HJAE. (Sundstrom-NJ)
- 930 WTAD Illinois-Quincy hrd at 0604 s/off. Some QRM from WKY. (Widner-Ind)
- WKY Oklahoma-Oklahoma City audible u/WTAD then good after WTAD s/off. (Widner-Ind)
- 950 KIMN Colorado-Denver logged at 0737 12/29 w/QRM from WPEN/WRYT. (Mayo-NY)
- WRYT Massachusetts-Boston hrd w/NRC DX Special; QRM from WPEN. (Mayo-NY)
- 1000 KTOK Oklahoma-Oklahoma City good w/WCFL off, 0830. (Bochantin-Ill)
- 1020 KGBC California-Los Angeles good w/pop mx around 0730 on MM 12/1. (Bochantin-Ill)
- KDKA Pennsylvania-Pittsburgh came through fair w/"auxiliary xmtr test" s/off at 0812 on MM 12/1. Power? (Bochantin-Ill)
- 1050 WCMS Virginia-Norfolk o/semi-locals WMSG/WCEF at 2145. (Boomer-WVa)
- 1070 CBA New Brunswick-Sackville good signal at 0500 w/s/off anmts. (Halprin-NJ)
- 1110 WKRA Mississippi-Holley Springs very weak at 2255 w/local nx. (Sprague-Kans)
- 1150 WDEL Delaware-Wilmington fair on MM 12/1 at 0530 w/nx. (Boomer-WVa)
- 1160 KSL Utah-Salt Lake City very strong w/radio talk show 12/20 at 0321. (Mayo-NY)
- 1250 WEZE Massachusetts-Boston excellent reception at 1147 w/male speaker & mx. (Allen-Mass)
- 1290 WHIO Ohio-Dayton 0115-0158 w/Lawrence Welk Show for US Navy; fair signal, QRM from local WEFL-1310. 12/28. (Buckley-Va)
- 1310 WNAE Pennsylvania-Warren caught at 0704 w/ID during ET 12/1. (Sundstrom-NJ)
- 1340 WMID New Jersey-Atlantic City hrd w/fair signal after WHAR s/off at 0600. (Boomer-WVa)
- 1370 WFEA New Hampshire-Manchester very strong 1/1 w/pop mx at 1008. (Mayo-NY)
- 1460 WFNX Georgia-Columbus weak at 0708 w/mx & station promo. (Sprague-Kans)
- WIRL Louisiana-St. Charles at 0730 w/mx and many ID's for ET. (Sprague-Kans)
Did you know that KIRT is also on 1460 and also is in St. Charles (Mo.)-ed

BCB InternationalWestern Log

- 540 CBXQ British Columbia-Ucluelet here relaying CBU-690. This is s LPRT (low power relay xmtr) w/a power of 40 watts! Hrd 12/22 0900 to 0910 s/off. One of my best catches. (Sadoian-Calif)
- 550 KOAC Oregon-Corvallis caught at 0615 s/off w/SSB. (Sadoian-Calif)
- 590 KSUB Utah-Cedar City hrd w/CBS nx at 1345; fair. (Ferry-Calif)
- 630 KHOW Colorado-Denver hrd w/mx at 1010 12/8 w/exc. signal KFI, oddly, was off for a few minutes enabling me to hear it. (Ferry-Calif) NOTE: KFI has now initiated a one hour silent period on MM's. Do not as of yet know the time however. Let us know.-ed.
- 740 CBL Ontario-Toronto hrd at 1020 w/wx, then KCBS put carrier on; not enough for a report--curses. Fair reception. (Ferry-Calif)
- 790 KCEE Arizona-Tucson hrd at 0930 w/mx; poor reception. (Ferry-Calif)
- 800 CKOK British Columbia-Penticton this is probably the one hrd w/o Canada & GSQ (God Save the Queen) at 0910. (Ferry-Calif)
- CKLW Ontario-Windsor hrd w/R&R at 0913 after CKOK s/off; good signal. (Ferry-Ca)
- 810 KAFE New Mexico-Santa Fe hrd w/C&W 1400, poor signal. (Ferry-Calif)
- WGY New York-Schenectady hrd w/light mx 0930 and a good signal. (Ferry-Calif)
- 910 KALL Utah-Salt Lake City hrd w/nx at 0900; good. (Ferry-Calif)
- 930 KSEI Idaho-Pocatello fair w/nx, mx, QRM from local KFRE, 1025 12/8. (Sadoian-Ca)
- WKY Oklahoma-Oklahoma City w/R&R mx, nx, wx at 1002 12/15, to 1005 fade-out. (Sadoian-Calif)
- 950 KMER Wyoming-Kemmerer logged w/IRCA DX Special 0948-1000 12/1. (Sadoian-Calif)
- 1060 CFCN Alberta-Calgary w/HI, local ID at 1100, then nx. (Sadoian-Calif) Also hrd w/HI at 1030, excellent signal. (Ferry-Calif)
- 1080 KWJJ Oregon-Portland w/DX Special, many ID's, C&W mx. 0800 12/22. (Sadoian-Calif)
- 1220 WGAR Ohio-Cleveland w/R&R mx, good signal at 1040 12/15. (Sadoian-Calif)
- 1270 KTFI Idaho-Twin Falls hrd 0505 w/nx, fair reception. (Ferry-Calif)
- 1310 KLIX Idaho-Twin Falls w/DX Special; ID's, heavy QRM. Used lkw 0720-0750, then 5kw. Logged at 0720 12/22. (Sadoian-Calif)
- 1370 KVVO Wyoming-Cheyenne clear w/DX test at 0907 s/on 12/29; good signal. Used short ID's, plus mx-like RS, I would guess. (Sadoian-Calif)
- 1430 KGAY Oregon-Salem w/DX program, C&W mx, telephone requests. 0950 12/8. (Sadoian-Calif)
- 1440 KPUR Texas-Amarillo hrd w/R&R 0945; good reception. (Ferry-Calif)
- 1460 WPNX Alabama-Phenix City w/many ID's, C&W mx; weak signal 0835 12/29. (Sadoian-Calif)
- 1510 KIRV California-Fresno w/DX Special for ASWLC & IRCA 0930-1030 s/off 12/22. Had TT, mx, plus 3 code numbers. Heavy QRM from KGA, (Sadoian-Calif)
- 1580 WSRF Florida-Ft. Lauderdale w/R&R mx, ID on half-hour; 1029 12/1. (Sadoian-Calif)
- 1600 KLAK Colorado-Lakewood w/C&W mx, ID at 1045. (Sadoian-Calif)

Reporters

Stephen Allen-Saugus, Mass. (SW-4A)
 Jim Bochantin-Du Bois, Ill. (SW-4A; Heath GD-125 Q-Multiplier)
 Bruce Boomer-Nutter Fort-WVa, (HQ-200)
 Tom Buckley-Alexandria, Va. (Aircastle TR-J504; 40 foot longwire)
 Dave Ferry-Fullerton, Calif.
 Robert Halprin-Fair Lawn, N.J.
 Paul Mayo-Brooklyn, N.Y. (HQ-180AC; 4-foot loop)
 Chuck Sadoian-Dinuba-Calif.
 Steve Sprague-Coffeyville, Kans. (50 foot longwire)
 Tom Sundstrom-Willingboro, N.J.
 Jack Widner-Indianapolis, Indiana

KFRE
 940 kc
 50 kw
 Fresno, Calif.
 2/16/70 (MM)
 0800-0900 GMT
 BE THERE

BCB InternationalDX Calendar

Mon. Feb. 9	WCSR 1340	Hillsdale, Michigan	500 w	0500-0600	GMT NRC/IRCA
	WCVR 1320	Randolph, Vermont	1kw	0600-0700	GMT RLA
	KOFO 1220	Ottawa, Kansas	250 w	0600-0800	GMT All Clubs
Sun. Feb. 15	WSNO 1450	Barre, Vermont	1kw	0600- 32??	GMT NNRC
Mon. Feb. 16	WHBC 1480	Canton, Ohio	5kw	0700-????	GMT NNRC
	WKFC 550	Cincinnati, Ohio	5kw	0700-????	GMT NNRC
	KFRE 940	Fresno, California	50kw	0800-0900	GMT ASWLC
Mon. Feb. 23	WCVR 1320	Randolph, Vermont	1kw	0600-0700	GMT RLA
	CFFB 1200	Frobisher Bay, Northwest Terr.	250 w	0501-1200	GMT NNRC
	KFIR 1370	Sweet Home, Oregon	1kw	0830-1030	GMT NNRC/IRCA
Mon. Mar. 9	WMVO 1300	Mount Vernon, Ohio	1kw	0800-????	GMT NNRC
	WCWC 1600	Ripon, Wisconsin	5kw	unknown at press time	

A real hot calendar this month: ASWLC DX Special on Monday morning Feb. 16 0800-0900 GMT by KFRE 940 kc Fresno, California. This will be an especially wanted station in the East as well as all over. 940 is a reasonably clear channel on MM's so we are looking forward to many reports from ASWLCers as well as DXers from all other clubs. Arranged by Chuck Sadoian-ASWLC CPC Chairman-jointly w/IRCA.

Address for reception reports: Chief Engineer, Radio Station KFRE, T.W. Patterson Bldg., Fresno, Calif. 93721. They will air a regular program (middle-of-the-road format), will give frequent ID's, and 1000 cps tone every 5 minutes. This test should get out very well. Don't miss it!!!!

You shortwave-only bugs, why not get up (or stay up-depending on whether you live on the East Coast or West Coast) and try for this test, and then afterwards you can tune your shortwave dials-it being a time at which many of you have never tried DXing before, even on the SW bands.

Larry Godwin of IRCA informs us of a DX Special to be conducted by radio station CFFB 1200 kc Frobisher Bay, Northwest Territories, Canada, on Monday morning Feb. 23 from 0501 to 1200 GMT. There will be 1000 cps tone scattered throughout the period, with station breaks and ID's after "every bit of music." Reports should be sent to Mr. R. Stanley at CFFB.

1200 kc is a very clear channel especially on Monday mornings so you have a chance at catching this one. And if you do, needless to say, you will have one-fine catch. If you don't at least try for this one you ought to turn in your official DXer badge.

Bob Davis, Chief Engineer of KOFO-1220, writes that KOFO will conduct a Proof of Performance test from 0600 to 0800 GMT on MM Feb. 9. They are a daytime station with 250 watts in Ottawa, Kansas. If you receive "SWL" in time you might try for this one, also. Reports go to Bob at 1641 South Main, Ottawa, Kansas 66067. Again, you have a low powered station on the air when the channel will be fairly clear. Give them a try.

And I also have a letter from Kevin Slater of NNRC & IRCA concerning a test by KFIR-1370 in Sweet Home, Oregon. (All of these test are arranged together in the DX Calendar above.) They will be on MM 2/23 from 0830 to 1030 GMT. Program will consist of tone test, with 1 kw used for ten minutes then switching to 500 watts, and alternating this during the time period. ID's every 5 minutes. Reports go to: Mr. Kenton E. Sturdevant, CE, KFIR, P.O. Box 611, Sweet Home, Oregon 97386.

As you may or may not know, ASWLC arranged a DX Special by KIRV-1510 back on 12/22 but we blew it here at BCB hqtrrs by not getting the Dec. stencils into Hqtrrs in time for publication. CPC Chairman Chuck Sadoian, who arranged the test, reports that they were heard very well for a mere 500 watts. The DX Special was heard in Hawaii, several places in S. Calif., Sacramento (by ASWLCer Gary Jackson), Englewood, Colorado, and was fine as far East as West Lafayette, Indiana. Your BCB editor would have tried for it, but due to alarm clock troubles I slept right thru the early morning DX of MM's 12/22 & 12/29. Guess who now uses two alarm clocks, hi.

BCB InternationalASWLC 1969-1970 Winter BCB Contest

	Score	States	Provinces	Countries	Foreign Stations	Total Stations
Boomer-WVa	1058	30	4	14	31	213
Campbell-Mich	624	32	4	4	2	154
Ferry-Calif	908	28	5	8	18	198
Laurier-NY	474	23	3	4	2	114
Mayo-NY	894	27	2	14	21	149
Migley-Ohio	1048	37	6	11	25	217
Sadoian-Calif	1087	15	6	24	33	87
Sprague-Kans	525	..	..	..	..	..

The above totals are beginning to get up there, now. Don't forget to update your scores in your next reports to BCB-I. If you have yet to join in, do so now-info in previous editions of "SWL". And don't forget the extra 25 point bonus for each ASWLC DX Special logged-if you heard KIRV back on 12/22, and another chance w/KFRE-940 on 2/16. That's 25 points plus the usual if it's a new state, station, etc.

<u>Statistics</u>	States	Provinces	Countries	Stations
Bochantin-Ill	33/31	5/5	10/6	244/61
Boomer-WVa	41/39	7/7	19/13	400/70 A
Bundy-E. Caroline Is.	7/7	1/1	32/15	237/33
Campbell-Mich	32/..	4/.	4/..	154/..
Ferry-Calif	28/25	5/4	8/3	198/51
Migley-Ohio	45/44	8/8	24/15	481/289
Sadoian-Calif	39/38	5/5	25/14	237/137
Sprague-Kans	33/25	1/1	5/2	291/37
Sundstrom-NJ	41/..	7/.	48/..	528/...

I have received a request from new ASWLCer David Cupeland concerning the box loop antenna plans. Last year and even before then we had plans for a loop antenna which we lent out upon request. There were many requests for the plans, but inevitably after many successful lendings the one time happened in which they were not returned to BCB hqtrrs. However, recently giant strides have been made with loop antennas and Chuck Sadoian has published plans for a box loop in "SWL" several months ago, and most recently has made available photo-copies of the plans of a direct-coupled loop for those who are interested. Since the box loop plans haven't been returned to BCB hqtrrs yet, there are none available, at the present. That will be rectified in some manner, soon, and what we hope to do is publish the plans in "SWL" for the different construction plans and theory behind each and have copies made in order to make them available to new members after the plans are published.

We have had numerous requests for loop plans in general, whether box, spiral, DCL and so on, and are impressed by the interest. Just keep after us and sit tight.

Bruce Boomer writes that he has a new Hammarlund HQ-200 and is pleased with the results he has had with it thus far. He now has for sale his old rcvr a National NC-121 for \$55 plus postage. He verified 95 countries and 39 states with it using a regular longwire antenna. If you're interested write Bruce at 108 Norma Ave., Nutter Fort, W. Va. 26301.

In a similar vein, your BCB editor would like to repeat a request concerning SWL/Amateur radio/Electronic oriented magazines, club bulletins, and other items. I am continuously building up a collection of PE, EI, R-TV Experimenter, EE, etc., etc., magazines, ASWLC, NNRC, IRCA, WFFDA, WNYW-LG, and all other SWL club bulletins, and any other items. If you are thinking of getting rid of items like these, please contact me before you throw anything away.

73's, BILL

Editor; Paul Mayo, 2409 Ocean Parkway, Brooklyn, New York 11235

Deadlines: For March "SWL": Feb 18 For April "SWL": March 20

All Times Are GMT

From The Log

North & Central America

BARBADOS:

10528 1239 C&W Ltd, Bridgetown SSB Eng TT (Mahler)
19466 1218 " " " " Eng TT(OM) (Tafel)

BERMUDA:

5765 0170 C&W Ltd, St Georges SSB Eng TT (Honig)

COSTA RICA:

5840 0120 Radiografica Costarricense, San Jose AM Eng TT(YL)(Honig)
10963 0235 " " " " SSB E/Sp TT (Tafel)

MARTINIQUE:

10085 2243 FTS, Ft de France AM Fr/Eng TT (Tafel)
10850a 1250 " " " " SSB Fr/Eng TT (Mahler)
10911 0025 " " " " AM Fr/Eng TT (Tafel)

NICARAGUA:

5735 0050 TRT, Managua SSB Eng TT (Honig)

PANAMA:

5840 0115 TRT, Panama City AM Eng TT (Honig)
9132 0040 " " " " AM Sp TT (Mahler)
15925 1325 " " " " AM Eng TT Plugging Olympic Games
of the Carribean (Mahler)

U.S.A.:

9990a 2245 AAJ, Leavenworth, KA. USN Testing (Fair) (Jarasius)
18933 0200 ATT, Oakland SSB usual TT (d'Adolf)

South America

GUYANA:

9445 2305 C&W Ltd, Georgetown SSB Eng TT (Tafel)

PERU:

20454 1215 All Amer C&R, Lima LSB Sp/Eng TT (Tafel)

VENEZUELA:

19512 2250 Ven Tel Co, Caracas AM Sp/Eng TT(Tafel)

Europe

BELIGUM:

22700a 1439 Brussels PTT SSB E/Fr/Dutch TT (Mahler)

ENGLAND:

19686a 1220 Br P.O., London SSB Eng TT (Tafel)
25300a 1305 " " " " " " " (Mahler)

FRANCE:

18675 1237 FTS, Paris SSB Eng/Fr TT (Mahler)

GERMANY, WEST:

21780 1220 Deutsche Bundespost, Hamburg SSB E/Ger TT (Mahler)

GREECE:

20265 1315 SZF25, HTO, Athens SSB Eng/Grk TT (Mahler)

ITALY:

20397a 1644 Italia Cable, Rome SSB Sp/E/It/Fr TT (Tafel)

SWEDEN:

20300a 1253 Swed Telcom Adm, Stockholm SSB Eng TT (Mahler)

SWITZERLAND:

10433 1906 Swiss T&T Adm, Berne SSB Fr/E/Sp TT (Mahler)
19466 1744 " " " " " " " (Tafel)

"SWL"

COUNTRY CHASER'S CORNER

FEB 70

U.S.S.R., EUROPEAN RSFSR:

16140 1420 Moscow R&T, Moscow

SSB Eng TT

(Mahler)

YUGOSLAVIA:

20480 1245

Yugoslavian T&T Adm, Belgradé

SSB Eng TT

(Mahler)

Asia

HONG KONG:

18865 0152

C&W Ltd,

SSB usual TT

(d'Adolf)

JAPAN:

19918 0150

KDD, Tokyo

SSB Eng TT

(d'Adolf)

KOREA, SOUTH:

19902 0135

KITO, Seoul

SSB Eng TT(YL)

(d'Adolf)

SAUDI ARABIA:

20295 1245

PTT, Jeddah

SSB E/Arabic TT

(Mahler)

Oceania

HAWAII:

23403 0120

AGA, Hickam AFB

SSB Eng TT

(d'Adolf)

NEW CALEDONIA:

20195 0650

Fr Adm for Telecommunications

SSB E/Fr TT

(d'Adolf)

2702 0807

SS Flying Dragon w/USN Abnak AM, Maintaining radar watch on derelict hull of Badger State (1200 mi. NW Honolulu (White)

QSLs

PANAMA: HPI, Trop Radio Telegraph (TRT) (9132.5) sent card showing call letters and freq. in 4 months. V/S Gregory Nixon, Plant Engineer (Bradley)
ADDR: Tropical Radio Telegraph Co
Apartado 1773
Panama 1, R.P.

CREDITS

J.M. Bradley, Daytona Beach, Fla
Steve P. d'Adolf, Marshall Is.
Ron Honig, Detroit, Mich.

Arvidas Jarasius, Lansing, Ill.
Dr. Donald Mahler, Newton, Mass.
Edward Tafel, Syracuse, N.Y.
Jack White, Gresham, Oregon

That's all for this month!! Sorry for such a short collumn!!
School work has really piled up due to endterms
till next month,

73's

Paul

 Associate Editor: Michael Macken, 64 Court Road, Winthrop, Massachusetts. 02152.

Deadline for SWR STATION DATA: 20th of each month

STATION DATA

MALDIVES ISLANDS. Radio Maldives latest schedule shows from 0100-0300 and 0900-1100 on 7225 with 2.7 kilowatts. From 0300-0500 and 1100-1300 on 6150 again with 2.7 kilowatts. From 0700-0900 on 9538 with fifteen kilowatts in the Commercial Service. From 1300-1500 on 3331 with fifteen kilowatts. All of this heard in the native language of Divehi. From 1515-1732 English to Asia may be heard on 4740 with thirty kilowatts and identifications simply as Radio Maldives. (Victor Goonetilleke of our sister club in Ceylon. Thanks for your report Victor.)

BURMA. Program I may be heard from 0030-0230 on 7205. From 0230-0430 on 6035. From 0430 (Sundays 0230)-0730 on 9685. From 1100-1600 on 5040. Program II in Burmese from 1100-1445 on 4725. English programs may be heard from 0130-0230, 0700-0703 and 1430-1600, while programs the rest of the times may be heard in native Burmese, according to actual monitoring,. (Victor Goonetilleke-Ceylon)

NEPAL. Radio Nepal has made a few changes with the present schedule showing from 0120-0320 on 7105 and 11970, from 0720-0920 on 7165 and from 1220-1650 on 7165 and 11970. English news may be heard from 0305 and 1500. (Victor Goonetilleke)

PHILLIPINES. Radio Veritas, PO Box 132 in Manila may be heard testing with the following schedule. From 0500-0530 to Thailand. From 1130-1155 to Japan. From 1200-1225 to Indonesia. From 1230-1255 to Vietnam. From 1300-1325 to Ceylon and Vietnam. From 1330-1355 again to Ceylon and Vietnam. From 1400-1428 to Thailand. All of these transmissions may be heard on the two frequencies of 15170 and 11830. Station identification may be heard in English and in the language of the target area. Signals from both frequencies were excellent in Ceylon, while Steve reports reception also. They are asking for reports to the above address promising cards or letters. The schedule is to try and test out the antennas and frequencies. From 1230-1430 the antennas are switched every half hour between a Rhombic 3090 and a Cage 270°. The information direct from Veritas and telegram from the Vatican Radio which is in charge of the technical set up. The verification card is a plain white and blue card. (Victor Goonetilleke-Ceylon & Steven P. D'Adolf)

FINLAND. From the beginning of 1970 there will be some changes in the English language programmes of Radio Finland. Until now we have broadcast our daily transmissions in two parts, one produced by Radio Finland and the other by Finlands DX-Club. From now on there will be a half hour feature or DX program daily. Only the Current Events, review on Tuesdays and Fridays is produced by Radio Finland and Finlands DX Club jointly. (Direct from Radio Finland)

UKRAINE. Radio Kiev latest English schedule valid from March 3rd shows to Europe from 2230-2300 on 9640 and 7120. To North America from 0430-0500 on 11960, 11700, 9760, 9660, 9610 and 7330. From 0030-0100 on 11960, 11730, 11700, 9760, 9660 and 9610, according to their rather confusing schedule. English is heard on Mondays, Thursdays and Saturdays. Along with the current schedule they are passing along a questionnaire. (Les Gaynor-Michigan)

YUGOSLAVIA. Radio Beograd broadcasts a SWL and DX program every first Tuesday of the month during their 1830 English transmission. Reports are wanted by the station. (Les Gaynor-Michigan)

SHORT WAVE REVIEW
STATION DATA

POLAND. Polish Radio is presently broadcasting two weekly half hour programs in Polish and English for listeners in North America on 9655. The Polish language broadcast on Mondays from 0315-0345 and Fridays 0315-0345. Days are given as local here, but in reality you will be receiving them a day ahead by GMT. The old frequency for the North American transmissions was 11870. (Les Gaynor-Michigan)

DENMARK. The final edition of "The Voice of Denmark" has appeared and the station has ceased broadcasting as expected on the first of January. The answering of non Danish correspondence has ceased upon the termination of the foreign services. (Robert Fisher-California)

A DX-Window memory card showing the gang which made the DX-Window is now available. This card may be received by passing along an International Reply Coupon to the Danish Shortwave Club International, Tavleager 31, DK-2670 Greve Strand in Denmark. (Direct from the DSWCI)

VENEZUELA. According to a recent verification letter, Radio Tropical, Apartado Postal 3674, Caracas transmits on 4870. They want reports, which can be in Spanish, English or Italian. Verification signer was Senor Jose A. Brito Bermudez. He would appreciate information also of the area in which you live. (Robert Fisher)

ISREAL. Kol Isreal latest schedule valid until March indicates English from 2045-2100 on 9009 to Africa and 9625 to Europe and the United Kingdom. From 2100-2115 on 9625 to Europe and the United Kingdom. From 2115-2130 on 9625 and 9009 to the United Kingdom and Europe. Reports of reception are appreciated and listeners comments, requests and enquiries will be replied to over the air.

ITALY. RAI latest English schedule to North America shows the frequencies of 6010 and 9575 in use from 0100-0120. (Direct from RAI)

CANADA. From time to time yours truly for reasons unknown receives a magazine from Canada titled Electron. It covers Canadian Electronics, hi-fi, hobby and servicing. One of the columns is titled SW Lingo, which sometimes contains items related to shortwave although not always. Is a monthly publication out of Toronto.

UNITED STATES. WNYW latest schedule to Europe shows from 1700-1840 on 21525, from 1700-1945 on 17845, from 1855-1945 on 15440, from 2000-2215 on 11855, from 2000-2235 on 9690 and 2230-2330 on 6075. To Africa from 1700-2130 on 21525. To the Caribbean & Latin America from 1700-2338 on 17760, from 2150-0115 on 15130, from 2250-0015 on 15280, from 2345-0100 on 15435, from 2352-0237 on 11855, from 0115-0237 on 9615, from 0030-0237 on 9545 and from 0130-0237 on 11770. DXing Worldwide for the short wave listener and electronics hobbyist may be heard Saturdays at 1735 and Sundays at 1905. (Direct from WNYW)

U.S.S.R.. Henry Michalenka, 14 Brook Street, Central Falls, Rhode Island. 02863. has available a comprehensive list of the U.S.S.R. transmitters by frequency. Its available for three dollars or two dollars for borrowing to copy. Better why not drop Henry a line and tell him you heard about the list via Station Data. Do be kind enough to enclose SASE envelope for an reply.

GREAT BRITAIN. The BBC has added a new program titled the Listening Post. This new weekly program will broadcast a selection of what other major radio stations are saying about international events. The material is supplied primarily by the BBC's Monitoring Service, which maintains a close listening watch for significant news and comment from stations in all parts of the world. The programs may be heard Sundays at 0545 repeated at 1315 and 2345. (BBC publication London Calling)

SHORT WAVE REVIEW
STATION DATA

SEYCHELLES. Far East Broadcasting Associations station is now testing to Ceylon, India and Pakistan 0030-0137 on 11845. From 0130-0300 on 15185 and 1300-1630 on 15265. Station identifications are given as "Feba Seychelles. Signals are excellent at all times except for 1400-1530 when Radio Sweden rules. No verification after two months despite fact that Victor is in the target area! (Victor Goonetilleke-Ceylon) (Been noted recently in North America by some DX'ers on 15420, 15440, and 11900. Really get around to say the least)

Latest schedule according to SCDXers reporter from 0030-0130 on 11755 and from 0130-0330 and 1500-1630 on 15185. Also there have been delays in the construction of FEBAs new forty kilowatt transmitter, but they hope to have this on the air in a few weeks time with broadcasts to the Indian subcontinent. The final stage is the installation of a two hundred fifty kilowatt transmitter, but it may be 1972 before this is in use. (SCDX'ers)

HOLLAND & BONAIRE. Radio Nederlands latest schedule shows English from 2130-2250 on 11730 and 9715. From 0200-0320 on 11730. From 0500-0620 on 9715. Reception on all three different transmissions reported to be good. To Europe from 2000-2120 on 6085 and 6020 with poor reception. To Africa from 1830-1950 on 21570, 15220, and 11730 with fair reception. To Asia from 1400-1520 on on 21480 and 17810 with strong signals. To Europe from 1400-1520 on 6020 with poor reception. To Australasia, New Zealand and Pacific Area from 0630-0750 on 11730 and from 0800-0920 on 9715 both with poor reception. (Dwight Ernest-Ohio)

PAKISTAN. Radio Pakistan is asking for reports of reception from 1945-2030 on 9465 and ~~2030~~ 11672. Is the 9465 frequency right or should it be 9645?? (Steven P. D'Adolf-Marshall Islands)

LUXEMBOURG. So far no official announcement indicates an increase of the power of Radio Luxembourg. Such important changes are always published in the Luxembourgian press. According to an employee of Radio Luxembourg, the company has bought 17 acres of land in the East of the country for a new transmitter site. (SCDX-ers)

PAPUA & NEW GUINEA. Port Moresby on the frequency of 11880 with 10 kilowatts commenced broadcasts on November 7th. The current schedule is Monday-Friday from 0100-0200 and 0430-0530 with verification by letter. (SCDX-ers)

BOLIVIA. The government of General Ovando has just banned Radio Pio XII on 5955 belonging to oblate priests. (World Radio Bulletin via Stewart MacKenzie)

GREECE. The new Voice of America base at Thessaloniki is now nearing completion with ten 250 kilowatts shortwave transmitters. It is expected that the existing facilities will be made available to NHBI which at present has partial use of these transmitters. (World Radio Bulletin)

PARAGUAY. Radio Nacional del Paraguay is soon to inaugurate a new transmitter plant with transmitters of 100 kilowatts. Programs in English and French will be directed to Europe. (World Radio Bulletin)

COMMENTS. Special Station Data welcome to our good friend Victor over in Ceylon. Congratulations on CSWLC third birthday! Special welcome also to Dwight Ernest and we do hope you check in many more times to come. Thanks to the other regulars whose support we've come to expect and enjoy. Lets hear from more of you especially those reporting veries to the QSL corner, as I'm sure you fellows are also receiving schedules along with long sought after verification. Best regards,

Jack White
780 NW Wallula
Gresham, Oregon 97030

PROPAGATIONHIDE AND SEEK

From late February throughout most of March, many of the international broadcasters are engaged in an almost wholesale shift of their schedules. These adjustments are prompted by the seasonal ionospheric transition from winter to summer conditions. For those SWLs who operate in the higher frequency bands generally most frequented by the more powerful outlets, this particular period just ahead could prove interesting indeed.

Aside from some extra dial-twisting required to locate a transplanted favorite broadcast, other possible considerations related to these changes have been of fairly small concern for the past two or three years, but 1970 may prove somewhat different. Specifically, the now decreasing sun spot cycle (less activity) will gradually reduce the East-West distance potential of signals transmitted on the upper shortwave bands. To illustrate, a Central European broadcaster may have been reaching the intended audience in Western North America at the desired hour quite satisfactorily during the spring/summer periods of 1967, 1968, and 1969 on a frequency in the 16 meter band. Now however, it is found that this particular channel will no longer provide a reliable circuit, so a frequency in the 19 meter band is selected as a replacement at the appointed hour. This sounds easy enough and discounting whatever particular engineering modifications might be required at the transmitter, would be . . . except the 19 meter band already has its share of international programming. Some of the transmissions already on the lower band will of course be moving downward also as was the case with the hypothetical mid European, but many others will find that the 19 meter band still offers the optimum conditions for their particular purpose and will remain there. In short, as the usefulness of the higher bands decreases, the lower frequencies may be expected to become more crowded. Thus the listener could easily expect to encounter more interference situations compounded with unannounced intra-band schedule changes directed toward reducing specific QRM difficulties rising from this same crowding condition. . . . perhaps missing an installment or two of a favorite drama series in the process.

As they say: "It's and ill wind .. etc" - while the serious listener may be experiencing some difficulty nailing down a certain preferred program, the flat-out DXer has gained the opportunity to explore some territory heretofore blanketed by the more powerful broadcasters. Just often enough to whet the appetite, some modestly powered, fairly rare station emerges into the clear after one of the big ones vacates a mutually shared or nearby frequency.

STRANGERS ALWAYS WELCOME

A recent letter from ASWLC director, ANARC editor, and renowned DXer Bill Sparks of San Francisco related a propagationally off-beat catch (Radio Pakistan on 4875 at 0210 GMT). By reconstructing details, it was determined that this particular signal path almost exactly coincided with the edge of the day/night shadow on the Earth at that time; thereby offering E region propagation at this stage of the sun spot cycle through the sunset period over the entire course. The possibilities of geographically aligning both a transmitter and receiver in this manner are indeed limited (not to mention a host of other variables) and Bill overcame some mighty imposing odds with this logging. Of more importance though is the fact that he noted something out of the ordinary, qualified it, and passed it along. From such seemingly small scraps of information, it is sometimes possible to test a theory and perhaps further develop some useful application or technique. This Radio Pakistan catch for instance could fit another piece into the sunset/sunrise theorems currently receiving considerable attention in BCB DX circles. Readers of this column are urged to report full details of any loggings considered to be divergent from normal propagation patterns in their area.

AUSTRALIS-OSCAR 5

From all available information, the AO-5 satellite containing two transmitters designed to relay research data back to the Earth spent the month of January awaiting launch from Vandenburg AFB. At the latest word the shot is currently on a 48 hour standby/follow up status; so by the time you read this, the vehicle may well be in orbit. The frequencies of operation are still 29.450 and 144.050 MHz with reception possible as the satellite tracks above the horizon with respect to the monitor's location. (See Dec 69 "SWL" for details).

Of especial interest to SWLs wishing to participate in the program is the following recently received from George Jacobs, VOA engineer and AMSAT coordinator:

"Shortly after it is launched successfully, orbital, fly-over and other information concerning the AUSTRALIS - OSCAR satellite will be carried by the Voice of America on its world wide international broadcasting network."

"Check the following times and frequencies for OSCAR bulletins which will probably be transmitted daily during the first few days the satellite is in orbit and on a once or twice a week basis thereafter".

"All times indicate the beginning of 10 or 15 minute VOA newscasts; when there is OSCAR news, it will be given during the latter part of the newscast period."

(The following newscast schedules were extracted from this communication):

<u>0030 GMT</u>	<u>0900 GMT</u>	<u>1200 GMT</u>	<u>2100 GMT</u>	
15205 kHz	15345 kHz	15285 kHz	26040 kHz	11760 kHz
11830	15155	15205	21485	9760
9650	11715	15155	17775	9740
	9760	11835	17720	7285
All these newscasts	9735	11715	15445	7195
are in English and at	9645	7105	15410	6040
least two or three should	7165		15225	6035
be heard easily.	5955			

From what is understood by this editor, these broadcasts will relate information concerning the expected fly over time at a number of locations, from there the monitor will have to estimate contact at his particular QTH. For those wishing to plot exact acquisition times, information will also be given as to the GMT and exact longitude of OSCAR'S next equatorial "cut". This procedure is a little bit involved but for those with a sincere interest in participating in the AO-5 project, this editor will assist with the details. Please include your latitude and longitude when writing if you live more than about 50 miles from a city of at least 5000 population.

WAY DOWN SOUTH

The equinox period brings two semi annual opportunities to grab some not-so-often heard regional stations in the temperate zones of the southern hemisphere. Easterners should look for Central and East Africans in this category shortly after 0000 GMT on both the 49 and 60 meter bands. In the west, DX attention toward the Pacific isles could produce quite well on the same bands after 0800 GMT. For the Latin American region, the local late afternoon or early evening period could be fairly good into such places as Peru, Bolivia, and Chile. Although sign off times for most of these South Americans occurs before the 60 meter band opens really well for westerners, DXers in the east have a fairly good chance into the same area on the low end of the dial about 0200 GMT.

Good hunting and 73,

Push

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE MID EAST N AFRICA	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	AUSTRALIA SOUTH PACIFIC
0000 to 0300	E	31G 49G 60F 25M	31G 25F 49M	19G 16F 25F	31G 49F 60F 25M	16F 19F
	W	25F 31F 49F 60F	31G 49F 25F	19G 16F 25F 31M	31G 25F 60F	16F 19F
0300 to 0600	E	49G 60G 31F	31G 25F 41G 49F	19F 25F	41F 49F 31F 60F	19G 16F 25M
	W	49G 60F	31G 25F 49F	19G 16F 25F	25F 31F 49F 60M	19F 25F
0600 to 0900	E	49G 60G	31F 49F 25M	25G 31F 49F 60M	31G 41G 49F 60M	25G 31G 49F
	W	49G 60G	41G 49G 31F 25M	25F 31F 19M 60M	31F 41F 49F 60M	25G 31G 49F 60F
0900 to 1200	E	49G 60F	31G 41F 25F 49M	31G 25F 49F 60M	25F 31F 19M	31F 49F 60M
	W	49G 60G	31F 41F	31F 49F 25M	41F 49F	31G 49G 60F
1200 to 1500	E	31G 49F	16G 19G 25F	19G 25G 31F	19G 16F 25M	25G 31F
	W	31F 49F 60M	19G 25G 31M	25G 31F 49F 60F	25G 19F	31G 49F 60M
1500 to 1800	E	19G 25G	16G 19F	16G 19G	19F	19M
	W	31G 25F 49M	16G 19G 25M	25G 19G 31F 60M	19F	25F 31F
1800 to 2100	E	19F	16G 19F	16G 19F	16F 19F	19M
	W	19G 25F	16G 19G	16F 19F	16F 19F	16M
2100 to 2400	E	31F 49F	25G 31F 19M	16F 19F 25F	19G 25F 31F 60M	19M
	W	19F 25F 31F	16F 19F 25F	16F 19F	19F 25M	19F

LEGEND: RCVR ZONE indicates listener's region-E represents EST & CST time zones and W is for MST & PST. Reading down to the appropriate GMT and RCVR ZONE, and across to the desired area will indicate the SWBC bands most likely to offer reception at that time. Quality of openings is shown by G, F, M -Good, Fair and Marginal respectively.

16 meter band . .17700 to 17900 kHz
 19 " " . .15100 to 15450 "
 25 " " . .11700 to 11975 "

31 meter band . . 9500 to 9775 kHz
 41 " " . . 7100 to 7300 "
 49 " " . . 5950 to 6200 "
 60 " " . . 4750 to 5050 "

Associate Editor: Gary Steele, WPE8KEQ.....Total VIC:198
Correspondance to: 290 Elmside, Benton Harbor, Michigan 49022

One can find it quite difficult to write a monthly column for a club such as the ASWLC. Perhaps the very hardest id the first. Seldom are there any questions to answer, and therefore most material must come "Off the top of one's head". Fortunately, this time I do have some letters to answer.

* * *

As the masthead indicates, QSL CORNER will be done a little differently. Bill is still going to be handling the major share of the Corner—the reports; but this page is hoping to handle your questions, and things like the QSL Ladder, status reports, and so on. So, please remember to send your questions to me; your reports to Bill. When you are reporting to the QSL Ladder, arrange reports like this:

Name/Call... VIS/VIC...Percent of return...Favorite QSL...Reports out...Receiver and antenna

* * *

Before I go on to the Mailbox, I would like to give a brief introduction. Perhaps I might be a bit young to be writing a monthly column (I'm 15), here I am anyway. My interest in DXing has probably been with me since I was 11 or 12, but it was only a couple of years ago that I found out what a QSL is. I feel that I learned quickly after that. Currently, I use three receivers; the Heath SB-310, a Hammarlund HQ-145X, and a Lafayette HA-600. Five antennas; two longwires, two dipoles, and a box loop from Chuck Sadoian's article. I have no set preference as to SWBC, ham, BCB, or the utilities. My SWBC VIC is 108, the rest are hams. SWBC HIC is about 135, and the total HIC is about 220. I also DX BCB; about 350 stations heard and 18 countries are in the log. Other interests include sports, electronics, etc, and also rock music.

* * *

MAILBOX

From Jim Thornton; Venice, Cal. Jim has reported a QSL from 'Radio Moscow', for 11690; and lists this as Armenia as the WRTH Summer 1969 does. Evidently, the QSL did not specify the QTH on the card. Jim, I would advise you NOT to count this as Armenia. The location's absence is one reason; and the fact that the USSR has a station on from Petrapavlovsk is another. Suggest you try for R. Erevan, or consult the Oct & Nov 69 SWL for those comments on USSR QSL policies.

Steve P. d'Adolph, now a member of the R Canada SWC, may be cheating himself out of a country. His report of R Rabaul's QSL is given as 'New Guinea'—but, the ASWLC country list gives this as New Britain. One more country than you know about, Steve? (Congrats on winning the Australasian division is RSA's DX-69! I won first for NA, so ASWLC ran off with half of the 'firsts'!)

Dr. Earle Hall; Winchendon, Mass; an interesting case in trying to QSL R Bouganville: "After 3 rpts, including one 1/2-hour tape and several IRC's + mint stamps pf both Papua/New Guinea and Br. Solomon Is., with no reply, I finally wrote to the Chief of Div. Broadcasts, a Mr. Ian K. Mackay, at Konedolu, T.P.NG. Told him we could get no reply or confirmations from B'ville. Letters to station manager and carbon copies received here produced a QSL letter with no details other than confirming reception, from Geoffrey Heard, station mgr."....The letter from a Wm P. Naru: "Please accept this letter as confirmation, as we are all out of QSL cards". 312 Days . Apparently Dr. Hall's efforts made the station catch up on the backlog, since Art Glover and Bill Flynn received the same letter the same week. Quite an effort on Dr. Hall's part to QSL the station!

* * *

* * *

And this must be all for this time. Elsewhere in QSL-C, you will find articles on tape report, pennants, and the SASE, along with the member's reports.

Thanks to Bill Flynn for allowing me to write this column. And I hope that many more of you will be contributing to this column, as well as others.

Until March, Gary, WPE8KEQ

THE PROPER REPORTING GUIDE IS YOUR GUIDE TO MORE QSL's, Buy one today.

QSL Editors: Bill Flynn, WPE6AF, P.O. Box 473, Mountain View, CA 94040
 GARY Steele, WPES10Q, 290 Elmside, Benton Harbor, MI 49022
 DEADLINES: 15th of preceding month.

E-X-P-A-N-S-I-O-N ?

Welcome aboard to Gary Steele, who with this issue starts giving a big assist in compiling Q-C. Your reports of QSL's received should be sent to Mountain View, as in the past: the list of verifications by countries will be compiled here, along with information about verifying received direct from the stations - and this we hope to enlarge upon ! Our "allocations", for awhile, anyway, are going to be 3 pages of QSL by Country news, 1 page of features and supplements.

ABBREVIATIONS

Wish I didn't have to be such a tightwad and could give YOURS the full treatment, but QSL CORNER would then run some 12 pages and we could never get a bulletin out ! There are some new abbreviations and contractions added this time:

- C = card
- L = letter
- D = days
- W = weeks
- M = months
- FU = follow-up report or request
- V = verification
- /s/ = signer
- ms = mint stamps of that country
- * = information is new or supplementary to WRT70 or SWL ADDRESS

NORTH & CENTRAL AMERICA & CARIBBEAN

ANTILLES, N W I: Radio Nederland, Bonaire, 11730: Happy Station C - 5W. (Dr. Mahler)
 Regular full data C - 10D. (Steen) Special "Opening globe C - 2M sea. (Caldwell)

CANADA: CFVP, 6030: C. /s/ Gail Kelly; 8D ms. (Dr. Hall) CFCX, 6005: white/red "CFCX" C. (West) CFRX, 6070: "City Halls" C, /s/ Clive Eastwood, V. Pres-E gr. 1M. (Patterson)
 R Canada, 9625: Bluenose II" C, also pennant, lapel pin, rpt forms - 10-18D. No RP. (d'Adolf & Steen)

CUBA: R Havana Cuba, 9525: full V "stamps/ map C in Eng & Fr - 3M. (Patterson)

DOMINICAN REP: HIN, 4910: C - 12d. ms. (Sparks)

EL SALVADOR: YSS, R Nacional, 9553/5980: L in Sp, "mini-pennant", tourist info. /s/ Carlos René Rivera, Director. (Koukol Haynes & Pico)

GRENADA: WIPS, 11970: dull red C has V statement, sked on back. 42D, sea. 2 IRC. (Gaynor)

GUATEMALA: TGNA, 5955: "Quetzal" C * beautiful large "Quetzal" pennant - 4M. IRCs sent. (Estand, Haynes)

HAITI: R 4VEH uses green folder C; also sends small badge. (ADXC)

HONDURAS: R America, 6050: L - 1M. (ms) /s/ Rafael Silvio Pena, Gerente General. (Sparks)

NICARAGUA: Tropical R & T, 10750 (ute): C (freq only, no date/time); /s/ Station Engineer. 2W, 1 IRC. (Dr. Mahler)

PANAMA: HPI, Tropical R & T, 9132½ (ute): C, freq only; /s/ Gregory J Nixon. 6W, air, no RP. (Estand) For HOD52, 3177: same. (Dr. Hall) For 5840: small C, no /s/. Air, 2 IRC. (Steele)

PUERTO RICO: ACA, 15486: L, full details - 5W after FU, IRC. 1st rpt to incorrect address & lost (?) (Dr. Mahler)

U S A: KGEI, 15175: yellow FEBC "globe" C, pennant, sked, pers. note - for special Apollo 12 bc - recvd in 24 hours after phone rpt to CE ; Anyone have a quicker V ? (Estand) WINB, 17720: C, complete V; also prgm sked; /s/ Rev. John H Morris 1M (ms). (Lisowski)

SOUTH AMERICA

ARGENTINA: RAE, 9690: usual C - 4M. (Haynes) Green map C, no details - 3½M, IRC (Dr. Mahler)

BRAZIL: R Bandeirantes, ZYR77, 6185: color C (photo of bldg), L in Eng; /s/ Samir Razuk, Dir Gen-R. 4M. (Patterson) ZYK33, 15145: white/silver C in Eng shows Radio Bldg. (Patterson again) ZYZ30, 4875, R Jornal do Brasil: folder C + pennant - 14D (ms). (Sparks) Sorry, ZYK33 was 2½M.

CHILE: CE597, R Pres. Balmaceda, 5975 (1K) large blue & white C, info typed & stamped. Po /s/ 8D surface, 2 IRC. (Dr. Hall) CE975, R Minería: form L -Eng/Sp, date only; /s/ Luis Hernan Videla Pacheco 33D air - Eng rpt, IRC. (Koukol)

COLOMBIA: HJCN, R Reloj, 4755: C in Sp; /s/ Tech Dept. Rpt in Sp. 2 IRC - 16D, air. (ADXC) HJKJ, Emis Nueva Granada, 6160: Sp L + pennant; /s/ Myriam Ceñilia Mora Rangel. Generally takes Sp rpts & IRCs. (4 from ADXC) HJIC, LV de Caqueta, 5035: pix C w/ V typed on back + large pennant; /s/ Ivan Escobar C. 10D, air; ms. (Sparks) R Nacional, 4955: pix C lists freqs; date only. 5M, IRC (Dr. Mahler) C is pix of church, very nice. /s/ Andres Pardo Tovar. *Address: Apto. Aéreo 51-72, Bogota 1. (West)

ECUADOR: HCJB, 15325: "Inca" C + red/yellow/blue pennant - 62D. 2 IRC. (Euckley) 15115: "Great circle" C - 9W, air. No RP. (Estand) 9745: "Signpost" C (full V) + L fm Bill Ridgeway, "DX Party Line" C: "Close association with ASWIC has proved very beneficial." 2½M. (Dr. Caldwell) HCIX2, Rdta Nacional del Ecuador, 4940: b & w C of "Young lady", ackwl in Sp on back. 1M. (Patterson)

URUGUAY: CXA19, R El Espectador, 11835: L + pennant; /s/ Hector Amengual. 9M, 1 FU, 4 IRC. (Shaw)

VENEZUELA: *YVKP, R Tropical, 4870: L. 3W, IRC. (Fisher) /s/ Jose A Brito Hernandez, 2nd V Pres. 36D surface (ms) (Sparks) In 50D. (Patterson) YVMS, R Universo, 4880: red/blue C w/ calls - 1½M. (Patterson)

EUROPE

ALBANIA: R Tirana, 6200: folder C. 101D sea registered. No RP. (Gaynor)

ARMENIAN S S R: "R Moscow", 11690: Paduo MockBa C - 30D, air. Listed Yerivan xnter in WRTH Summer 69; no location specified on QSL. (Thornton) 11890 (Yerivan xnter relaying R Moscow to N Am) little C gives V w/ all details, confirms was relay. Also stamps, FC's, sked - 2½M registered. (Patterson)

AUSTRIA: Vienna, 9770: "Burg Theater" C, prgm guide, sked - 11i, no RP. (Soneff)

CZECHOSLOVAKIA: R Prague, 21700: "Snow Mtn" C -25D, air. No RP. (d'Adolf) 7345: Czech village C - 1½M, No RP. (Lenak) Full V - 32D. (Steen)

DENMARK: R Denmark, 15165: aerial tower C & pers. note about close. 5W, air. No RP. (Estand & Dr. Mahler) Will be very difficult now, as rpts in Eng not acceptable. Perhaps a form letter in Danish to accompany tape could be devised; staff's time limited, however.

GERMANY, E/G D R: RBI, 11890: "Potsdam" C, Series DDR #6 - 130D. No RP. (West) 17770: "antenna" C, also "20th Anniversary" C 13D later. No RP. (Steen)

GERMANY, W/G F R: Deutsche Welle: 4 color FC's; not full V - 2W, air. (Dr Caldwell) 21560: usual C - full V. 35D. (Steen) DMR24, Payerischer Rundf., 6085: blue C gives date, freq. 13D, IRC. (Colby)

GREAT BRITAIN: VOA, Wocfferton, 9740: C-11d. (Colby)

GREECE: "YENED", FBS, 6045: L's, FC, flag, Greek urn (Xmas present!), T returned w/ Greek music; /s/ Col. A Kazos. 4M, sea (ms) (Shaw) From the other side of the pond, right Ed? An outstanding verification!

HOLLAND(NETHERLANDS): R Nederland, 11730: Special 50th Anniversary C (glossy b & w)- 18D, air. (Tordoff)

HUNGARY: R Budapest, 9833: blue/white "Palace" C, pennant, DX Club News - 6W, air. (Dr. Caldwell)

ITALY: RAI, 11810: "Tower" C - 2M, sea. No RP. (Estand)

LUXEMBOURG: Uses grey "Antennas/crest" C w/ full V. 12W, sea. No RP. (ADXC)

NORWAY: R Norway, 21730, 25900: 2 C's: "Midnight Sun" & "Ski Jump" - full V's. 13D. (Steen)

POLAND: R Warsaw, 9655: orange/blue map C - 5W, air. No RP. (Estand)

RUSSIAN SFSR (EUROPE): R Peace & Progress, 19M: small yellow/red C, no freq given - 3 $\frac{1}{2}$ M, sea. (Estand) Full V & sked for 15400 in 4M. (Dr Mahler) R Moscow, 11960: blue "star" C, 7 PC's, etc.-51D, air. No RP. (Gaynor) 9750: full V - 50D. (Steen)

SPAIN: RNE, 6140: "Antenna" C, sked - 11D air. 2 IRC. (Lemak)

SWEDEN: R Sweden, 21690: "Northern Lights C & sked - 10D. (Dr Mahler)

SWITZERLAND: SEC, 21520: b & w "airport" C - 41 D. (Steen)

VATICAN CITY: Vatican R, 9615: color PC; no /s/. 11D, air. No RP. (Duckley) 15285: color "station" PC, full V. 3W, air. (Dr. Caldwell) 6190: same C + sked - 8D. IRC. (Dr. Mahler) 21700: same C, full V - 16D. (Steen)

AFRICA

ANGOLA: R Comercial de Angola, 4795: C, full V - 47D, air. IRC. 12 previous rpts over many years, no success ! (ADXC) Those Australian DXers are persistent blökes ! Very rare QSL - no C ever rptd, only a few form L's.

ASCENSION I.: BEC Relay, 15105: C & L; /s/ Miss V R Pressman. Appreciative thanks for T, returning same. 210D, air. T, 3 IRC. (d'Adolf)

BURUNDI: R Cordac, 4895 $\frac{1}{2}$: C & L; /s/ James E White, Field Dir. 2 $\frac{1}{2}$ W, air. 3 IRC (ADXC)

CAMEROON: Rdfn du Cameroun, 4972 $\frac{1}{2}$: red/yellow/blue map C; no date, no /s/. 17D, sea (ms). R Cameroun, Garoua, 5010: green/yellow Cameroons map C; no date. 11D, sea. 2 IRC (Dr. Hall) 2 great QSL's:

CANARY ISLANDS: RNE, Tenerife, 15365: b & w C - 30D. IRC. (Colby)

COMORO ISLANDS: ORTF, Moroni, 3331: photo of island C. Detailed rpt in Fr required. 4W, 2 IRC. Rare "Down under". (ADXC) Yes !

CONGO REP. (BRAZZAVILLE): ORTF, 15445: Mask/yellow map C - full V + sked. 10M, sea. (Dr. Caldwell) Same, w/ New Year C - 3 $\frac{1}{2}$ M, IRC. (Dr. Mahler)

DAHOMEY: Rdfn du Dahomey, 4870: flag/designs C for rpt in Fr - 7W, 2 IRC. (ADXC)

ETHIOPIA: ETLF, 11910: blue/white C - 120D, sea. 2 IRC. (d'Adolf) 9880: same, also sked, 5 $\frac{1}{2}$ M sea, IRC. (Haynes)

GHANA: R Ghana, 17910: usual green/yellow/red C + sked. 2M, no RP. (Lemak) 11850: same + sked. 3M, sea. IRC's (Haynes)

MALI: Rdfn Nat. de Mali, 9745: map C - full V & sked + thanks in Eng. 110D, sea Eng rpt + T. (Tordoff)

MOROCCO: VOA, Tangiers, 9615: "Star" C - 1W, No RP. (Estand)

NIGERIA: WNRS, Ibadan, 6050: duly returned prepared C - full V, all info; /s/ is CE. Benin City, 4932: uses new R Nigeria C. (ADXC) Fut, air L acknowledgement; /s/ S Ode Omosun, for EIC. 1 $\frac{1}{2}$ M. (Patterson)

RHODESIA: REC, 4828: antelope/bldg C (is original REC type) - full V; /s/ E McKenzie; ms, not used. (Dr. Hall)

SEYCHELLES: FEBA, 21460: white/blue C + L - 40D air. T + IRC's. (Macken)

SOUTH AFRICA: R RSA, 9705: colorful C - 70D air. No RP. (Duckley) 7270: regular C - 1M sea. (Estand) Is cartoon capsule of So. Africa. 110D sea. (Gaynor) 25790: same, full V. 19D. (Steen)

TANZANIA: R Tanzania, 9530: brown/yellow palms C; /s/ A B Debto (?), CE. 15D air. IRC's. (Dr Hall)

TOGO: Rdfn du Togo, 5047: globe/map C - 52D sea, after FU. 279D original w/ T registered. 3 IRC both times. (Dr. Hall)

UGANDA: Kampala, 5026: L; /s/ H F Humphreys, CE. 26D air. 3 IRC. (Dr. Hall)

ASIA

BRUNEI: R Brunei, 7215: map/palace C; V gives no time. 10D. 2 IRC. (Steen)

BURMA: Embassy of Burma, 2300 S Street, NW, Washington, DC 20008. Suggest FU to them: copy of ppt to Rangoon + friendly L abt DXing, V's, your interest in Burma.

CEYLON: VOA, 11835: std C - 7D. No RP. (Lisowski) Ceylon EC Corp, 11800: L; /s/ Perera; eager for rpts. V gives no time. 2M, sea. 4 IRC. (Shaw) This probably just before new C's on hand; using C now.

CHINA, REP. OF/TAIWAN: VOFC, 17780: World map C - full V. 22D. (Steen)

INDIA: AIR, Madras, 6085: L & PC; /s/ D P Ramachandra, Listener Research Officer. Delhi, 17820: "Old Fort" C - full V. 41 D, no RP. (Steen) AIR, Bombay, 17705: L; full V /s/ Y R Sastry, Asst. Str Eng. 3W air. T + SASE (not used). AIR, Bhopal, 3315: classic AIR C (from 50's!), L, FC; /s/ H J Asokan. 4W air. T + SASE (used) My best Indian V. (editor)

INDONESIA/CELEBES & MOLUCCA: YDQ4, 4750: Usual RRI C, 2 $\frac{1}{2}$ M air from Djakarta; /s/ Farida Nur, QSL mgr. Improved speed & returns from RRI via Main Djakarta office. (ADXC)

INDONESIA/JAVA: YDI2, 3975: Own "Street Scene" C - 3W air. Indonesian rpt, 2 IRC. (ADXC) VOI, 6105: usual C, full V. 46D, no RP. (Steen)

ISRAEL: Kol Israel, 9009: C, full V - 1M air. 3 IRC. (Shaw)

JAPAN: R Japan, 9505: "Fuji Sunset" C - 2W air. No RP. (Estand) 15445: same C, 2 pennants: red/green/white & blue/green/white. 2W. (Waynes) Also same "lit Fuji" C - 12D. (Dr Mahler) 17825: "Kabuki Actors" C. (Soneff) No times on all these RJ V's. (Not a necessity- ed.) FEN, 15260 blue/white C; /s/ Frederick Forte, Lt Col USAF. 2W. (West)

KUWAIT: KES, 15345: folder map C, gives date. 47D. IRC. (Colby)

LAOS: RFL, 6130: C after 3 FU; /s/ Souvan-naphong. 3 IRC, 1 $\frac{1}{2}$ years ! (Shaw)

MALAYASIA: Kuala Lumpur, 9660: usual C; V statement w/o data. 76D, no RP. (Steen)

MALDIVE ISLANDS: R Maldives, 4740: No RP needed, sends brown C w/ full V by registered air. /s/ Nareb D (ADXC)/s/ may be N T Hassan Didi, Dir. per WIC1970. (ed)

NEPAL: Rpt via registered air w/ 5 IRC produced C in 15D; /s/ Khatri, CE.(NASWA)

PAKISTAN, WEST: R Pakistan, 21590: C; /s/ A H Kaleem. 158D air, 3 IRC. (d'Adolf)

PHILIPPINES: VOA, Poro, 15165: "Star" C - 11D. (Colby) FEBC, 15385: C. 50D, 2 IRC. PES, DUH2, 6170: black seal C - 30D 2 IRC. SEARV, 15420: white/red letters C - full V. 17D, 2 IRC. (Steen)

QATAR: QES, 9570: "Continuing helpful V policy"; L /s/ Taher Shihabi. All details 1M air, 2 IRC. (ADXC)

SINGAPORE: R Singapura, 5052: usual V statement only C - 63D. (Steen)

OCEANIA

AUSTRALIA: R Australia, 17820: "Tasman Bridge" C - 1M. (Dr Caldwell) 15160: "Red Cap Gum" C - 2M, no RP. Tasman Bridge C, IC Certif, lapel pin - 10D air, No RP. (d'Adolf) 21740: "Waratah" C - 6W air. (Dr. Caldwell) Lyndhurst, 10K, 7205: Tasman Bridge C - 8M. (Patterson) 15140: Gum Tree C - 114D, no RP. (Steen) Catching up backlog: 11 C's rcvd in 2W period for rpts 7 to 2M old. (Dr. Mahler) VNG, 12000: folder C - 10W, no RP. (Fisher) VLI6, 6090: AEC regional C - 1M, 3 IRC. (Lisowski) VLV15, 15425: blue/grey map C of Western Australia, full V. 37D. (Steen) Is new C, not AEC regional formerly used by Perth. VL2UW, 1750: Educational Station of Univ. of New South Wales. V by C, RP needed. (ADXC) Nice catch for USA but we may have to wait until sunspot minima.

NEW BRITAIN: R Rabaul, 3385: folder C - 70 D, 5 IRC. (d'Adolf) In 17D, no data. 2 IRC. Steen)

NEW GUINEA: R Newak, 3335: folder C, full V & data. 22D, 2 IRC. (Steen) /s/ F Gub-bich (?); 21D air for T & 4 IRC. Returned T w/ music prgm retaped on unused side. (d'Adolf)

NEW HEBRIDES: R Vila, 3905: New C is b & w - all details given. No RP needed. (ADXC)

NEW ZEALAND: ZL4, 15280: usual C + tourist info - 5M sea, IRC. (Waynes)

PAPUA TERR.: VLT4, 4890: regular AEC C - 20D air. 3 IRC. (West)

QSL STATUS REPORT - CONCLUSION

Based mainly upon reports of European DXers during the 68-69 DX Season.

AFGHANISTAN: over 50 map cards
BURMA: No reports on this one !
BRUNEI: 1 nice card reported
CEYLON: Radio Ceylon - approx. 20; now uses attractive cards. VOA also about 20.
CHINA, PEOPLES REP.: Radio Peiking - almost 200, usually no data & also 14 QSL's for their MW/DCB stations !
Shanghai: 2 QSL's reported (MW?)
CHINA, REP. OF (TAIWAN): V of Free China: 50 cards; Armed Forces Net: 1; V of Righteousness: 9; Radio Liberty: 5. No other regionals reported.
CAMBODIA: 1 letter QSL reported
CYPRUS: BEC E Medit. Relay: about 100 "acknowledgements"; Cyprus IC Corp.: 30 QSL's via attractive card.
HONG KONG: no SWEC; aeradio station will QSL (see CCC's)
INDIA: All India Radio uses 6 to 8 different QSL cards; the regionals often reply by letter. Delhi: around 100; Madras: 8; Lucknow: 4; Bombay: 1; Gauhati: 2; Kohima 5; Hyderabad: 1.
INDONESIA/CELEBES: 2 letters reported - 1 from Ambon, 1 from Manado - both were for reports in Indonesian
INDONESIA/BORNEO: Pontianak: 1 letter
INDONESIA/JAVA: The situation has been somewhat "tight" from all the R R I stations. Farida Nur, QSL mgr at Djakarta will verify rpts of regional stations by usual RRI card. Direct replies from regionals are usually by letter & Indonesian reports are best. QSL's - Djakarta: 20; Jogjakarta: 3; Surabaya: 1
INDONESIA/SUMATRA: Palembang: 7; Padang: 2; Pekanbaru: 1; Djambi: 5; Bukittingi: 1
INDONESIA/WEST IRIAN: 2 unspecified letters direct & 1 card for Sorong via Djakarta
JAPAN: Radio Japan - well in the hundreds; NSD & FEN: both under 20.
JORDAN: around 25 cards from Radio Amman.
IRAN: uses large card, under 50 reported
IRAQ: map card - somewhat over 50
ISRAEL: around 100 cards, very dependable
KASH IR: Srinigar: 7, Jarru 1 - by letter
KOREA, NORTH: around 100- both FC & letter
KOREA, SOUTH: Voice of Free Korea often sends pennant along with card; around 25 QSL's reported.

KUWAIT: Uses folder type card; 20 replies
LAOS: 9 QSL's reported
LEBANON: around 50 usually by registered mail & sometimes a flag is included
MALAYASIA: BEC F.E.S. around 50 acknowl.; Radio Malaysia: about 10 map/flag cards
MALDIVE ISLANDS: around 30 map card QSL's
MONGOLIA: 4 QSL's by letter, FC's included
NEPAL: some 10 cards, mail very slow.
PAKISTAN, EAST: about 10 from Dacca
PAKISTAN, WEST: Some 50 cards from Karachi, 3 from Quetta; Rawalpindi: 2; Peshawar: 2; Lahore: 1.
PHILIPPINES: Under 50 cards from FECC, 20 from VOA (Poro), 2 from VOA (Malolos). No other regionals reported.
QATAR: 1 letter QSL reported from Doha
RYUKYU IS.: VOA, Okinawa: around 20; VUIC: 2.
SABAH: 1 QSL, a R. Malaysia map/flag card
SARAWAK: 1 QSL; have their own card
SAUDI ARABIA: somewhat under 50
SINGAPORE: 12 "confirmation cards
SYRIA: 18 form-letter acknowledgements
THAILAND: 5 cards with full data
VIETNAM, NORTH: around 20, card & letter
VIETNAM, SOUTH: 6 cards reported
U S S R in Asia: Radio Tashkent leads with around 100 cards reported; Alma Ata: 8; Ashkabad: 1; Frunze: 1; Khabarovsk: 1; Vladivostok: 1.

OCEANIA

AUSTRALIA: Radio Australia's mailings are in the hundreds and the AFC regionals are also very dependable.
COOK ISLANDS: has card, doesn't travel far very often !
FIJI: Street Scene card, possible in U.S.
NEW CALEDONIA: plain card - 1 reached
NEW GUINEA: 1 of Radio Wewak /Europe folder QSL's reached lucky European
NEW ZEALAND: about 20 globe cards
PAPUA: Port Moresby: 15; Daru: 2 folders
TAHITI: 2 "Mermaid" cards reported
NEW HEBRIDES: not reported
TIMOR, PORTUGUESE: ditto
SOLOMON ISLANDS; ditto
SOLOMON ISLANDS, AUSTRALIAN: ditto !
Radio Bouganville used the same folder as the New Guinea stations for awhile
GILBERT ISLANDS: no reports. They send a form letter, info sheet & mint stamps.
NEW BRITAIN: Also not reported, bu Rabaul replies with the New Guinea folder card

That wraps this part of it up & I apologize for several out of order listings ! Compare this with WRTH70/SWL ADD's.

TAPE REPORTING - THE ANSWERS

QSL CORNER has recently raised the question of tape-reporting. To these questions, letters have been received from Stephen P. d'Adolf, Andy Pappas and Dr. Earle Hall; all with some interesting information. It is impossible to list everything said, but there are the results of each DXer:

Steve d'Adolf- "there have been numerous times when I have been able to tell what station I'm listening to, but because of the language used, have not been able to copy any program details. This is when I would use a taped report.....At one time the BBC was complaining about false reports concerning listeners claiming they had heard their Atlantic Relay station at Ascension Island. I logged them and felt this was an excellent place to use a tape. It took 7 months to get an answer, but I got my QSL card....Steve also explains that his first report was to the S.I.B.S., which netted a QSL after FIVE months; and that his use of tapes is very limited (only 3 so far).

Next letter is from Andy Pappas. Andy has been sending tapes for 2 of his 3 DX years, so he's experienced with tape basics. The language problem is also one of his reasons to tape-report. His opinion: Most stations will accept tapes, but he has noted a couple of stations that "took a while". These were Radio Abidjan and Radio Tunis. The former received 4 reports over 18 months, the latter 3 reports in 14 months. Recently, however, both stations have been noted to respond quickly- about 15 days for tapes. Andy has also given tape-tips, which will be listed further down the line.

Dr. Hall sends his results, which are indicative of his systematic tape program. He's made it 3-for-3 for the language barrier being a reason to send a tape. And his results are worth mentioning:

TAPES SENT- 39-with enclosed at least 3 IRC, at about \$2.65 EACH

REPLIES - Ceylon, FEN, Ivory Coast, Djakarta, Dacca, Hanoi, Nihon 2, Taiwan, Benin City, Saudi Arabia, Sarawak, Fiji, Seoul, Bissau

UNANSWERED- Burma, Makassar, Vladivostok, Ambon, Medan, AIR, Ankara, Damascus, Guinea, Togo, Mauritania, Thailand, Baghdad, Sarong, Dahomey, Cameroun, UAR, Saigon, Ashkabad, Mali, Gabon, Hué.

Earle says himself that this is poor %-wise, but I still say you can't be sure. There are inconsistencies with your 'Abidjan and Pappas', and your Dahomey and his.

So much for the above. It appears that if you wish to send tapes, you will have to simply "wait 'n see". But what about the actual tape? Dr. Hall and Mr. Pappas sent these suggestions:

Speed: 3.75 or 7.5 ips. Record on one side/one track only. Best attach a leader and to this print all necessary information. About Speed: it is best to write this in cm; 9.6 and 19.2 are the approximate centimeter equivalents.

Mailing: Airmail is preferred in almost all instances, and you might register the tape for safety. Be sure that the reel is wrapped in foil and the envelope or mailer is clearly marked - DO NOT X-RAY.

Should you want a return of the tape, return postage is appreciated.

Consult the Sept. "HOW MANY IRC's" for rates. Although exact return postage couldn't be computed exactly, multiplying the given figure by 4 would pay airmail; 4-5 IRC's will cover surface rates in most cases. (Remember, 1 IRC prepays a surface letter in any UPO country.)

With the previous information in mind, I hope you have good luck with tape reporting. It will take a lot of it.

NEW PUBLICATIONS FOR QSL HOUNDS: The 1970 WORLD RADIO-TV HANDBOOK is now on the market, along with SWL ADDRESS BOOK by J. C. Gillespie. Both very good, both available from GILFER ASSOCIATES. Suggest you use both in following QSL CORNER.

QSL-C's questions on the SASE were not exactly overwhelmingly answered, but comments were received from Dr. Hall. He states that he has used only two SASE's, one to Radio Singapore and the other to VL9KB, a ham on Norfolk Island. His results both came back cut in half. "What size and why?"

Due to all the response, ye author will have to tell of his experiences with SASE's. Personally, I do much ham DXing, and this brings them into much use. I would estimate I've sent 150 or more. A large percentage came back used. What size? I have sent our standard size ($6\frac{1}{2} \times 3\frac{1}{4}$), and also the European size, which is $5\frac{3}{4} \times 4$ inches. The latter fits most QSL's, but this size is almost impossible to find! Would you believe the only envelopes of this size I've found are in such common shades as lime green, orange, yellow, etc? So what is a compromise that will fit all cards? I believe that a 5 x 8 inch manila clasp envelope should hold ANY card. But, because of its size, doubling enclosed postage would be in order.

Now, what about stamp placement? I don't know any countries that won't accept the upper right-hand corner. Markings? "Par Avion" and "Airmail" in the countries language should do nicely. The majority of postal workers know when a letter is to be sent by air. In any case, there is no need for a problem in mailing a SASE back if a little common sense is exercised.

PENNANTS

You always appreciate receiving them, don't you? But do you take these for granted sometimes? It costs the station quite a bit to have pennants made - and sent. Maybe the station will only send the pennant when a report is received that is just a little better than usual. So, before you ask for a pennant, banner, or flag, think about making YOUR report just a bit better.

How do you go about this? Why not send a report that covers an extended period of time; perhaps several hours - or days. If the station uses more than one frequency, compare them. Stations are usually very concerned about the QRM; why not identify interfering stations - or make suggestions for better frequencies (this is very important to the international broadcasters!)

Program directors take note of your comments on the program you heard: music, format, etc. Large stations always like to know what their audience wants to hear, and what you DON'T want to hear.

Additions to your report can include: photos of you, your shack, or your city; your SWL card (if they have a DX club, for example); lists of hit records, even stamps or other items that are of hobby interests.

Just remember: A pennant can be considered as an extra favor for and extra-ordinary report.... but it doesn't hurt to ask how you could qualify to receive their pennant!

OCEANIA - TAG END CONTINUED from Pg 4

SOLOMON ISLANDS/BOUGANVILLE: R Bouganville, 3322 $\frac{1}{2}$: After 3 rpts including a $\frac{1}{2}$ hr tape plus 3 IRC several times & ms of both P/TNG & British Solomons & no reply, finally wrote to Chief of Div./EC's, Mr. Ian K Mackay, at Konedobu, P/TNG & told him we could get no replies from Bouganville. Letters to Stn mgr (carbons rcvd here) produced QSL L confirming rx, from Geoffrey Heard, Stn Mgr, /s/ Wm P Maru. 312D from original. (Dr Hall) Same, after 1111. (Glover & editor) Same L - 29D air. 2 IRC. (Steen)

THANKS TO OUR CONTRIBUTORS : BILL BUCKLEY, NY, DR. BILL CALDWELL, CA; ED COLBY, MA; STEVE d'ADOLF, Marshall Is.; BOB ESTAND, TX; ROY HAYNES, CA; DR EARLE HALL, MA; MARK KOUKOL, IL; ROBERT W FISHER, CA; LES GAYNOR, MI; BILL LEMAK, CA; ANDY LISOWSKI CA; MIKE MACKEN, MA; PAT PATTERSON, GA; DR.DONALD MAHLER, MA; ED SHAW, CA; JOHN SONEFF, JR, LA; RICH PICO, CT; BILL SPARKS, CA; cohbrt GARY STEELE; LT.PAUL STEEN, Guam, JIM THORNTON, CA; JACK TORDOFF, CA; AL WEST, CA & AUSTRALIAN RADIO DX CLUB (ADXC) "From the Verifications" compiled by Allen Edwards.

(Spark Gappers-continued) stations of the Tropical Radio Company through Central America may still have some of this equipment still intact at their old transmitter stations.

Next we have a letter from Stephen Allen of Saugus, Mass. He writes: "I have a Knight Kit STAR ROAMER and over the summer bought a Q multiplier as advertised in the Heath catalog. After setting it up and connecting it to the Knight Kit all I got was static, which I was trying to get rid of. Could you tell me what might have caused this? And what about setting it up to a Drake SW-4A?".....First let me say that Q-multipliers are not designed to eliminate static. Specifically, they improve receiver selectivity (shrink the "slice" of radiospectrum you listen to). This reduces interference to a selected station caused by other close-by stations....Before I go any further I might mention that it can be shown that by increasing selectivity noise and static can be reduced. Let me note, however, that the solution to noise or static is NOT a device that increases selectivity, it is a NOISE LIMITER. As for your increased static on the STAR ROAMER, I can't really come up with too much without knowing what kind of static it is. If it is a steady "hiss", it is probably from the regenerative circuit in the device. If it is an intermittent noise it could be from faulty construction of the device. At any rate, make sure the Q-multiplier is correctly wired and aligned and connected at the proper point in the receiver. As for the SW4A, it should work well with the device.

We now get back to the DX-150 problem with several letters. As you may remember last month we ran an article which dealt with a SWBC bandspread for the DX-150. In regards to that topic, and the DX-150 in general, we have received a number of letters. First of all, Sam Rowell of Gig Harbor, Wash. (a veteran DXer whom I consider one of the best) writes: "I bought my DX-150 at So. Tacoma in Dec. 1968. After I got it home I found there wasn't any service manual. I wrote to Hdqtrs in Boston for one, but they never answered. I commented on harmonics at several spots on the BCB from 50kW local stations..... I found that by disconnecting the outside antenna I was able to get rid of the harmonics but stations below 1000 became too weak. For best results, I suggest that not over 30 feet of outside antenna. After using it for a few months I decided that it was just too hard to read and decided to make a bandspread chart for the most used frequencies. I cut up a piece of cardboard $8\frac{1}{2}$ x 11 and lined off 6 columns, 4 on the front side and 2 on the back. Then by trying the various bands I found that I could get all six bands I wanted to fit on the 20 meter bandspread scale. So now I have pretty good DX this way. It took me about three hours to make the chart, and I don't write that fast at 76."..... OK Sam, it sounds and looks like a good idea. In the next month I will try to get Sam's charts typed-up so that they can be shared by other DXers who have the DX-150. More on this next time.

Also writing in about the DX-150 is Credo Bisquera of Waianae, Hawaii. (I'm glad he didn't mention weather in his letter, hi). He writes: "I bought the DX-150 by way of the advertisement in Popular Electronics. On the AM band it is just LOUSY. With the RF gain at full blast, Honolulu which is only 30 miles away is difficult to hear. I have yet to hear anything on the 1.6 to 4.7 range. The range from 5.9 to 22 works fairly well but the CB band doesn't work at all. Needless to say I'm not very happy with the set."..... As all of you can see, there is a divergence of opinion over the set... more on this next month.

Before sign-off let me mention that also next month we will introduce you with two new antennas: Mosley's SWV-7 vertical and the TRIK-STIK. That's all we have room for this month so 73s. good DX & good health, BOB

Editor: Robert LaRose, 172 College Complex Apt 6, Rochester, NY 14623

As you all noticed, this column didn't appear in the December issue of SWL. This was the result of a mix-up and oversight on your editor's part in regard to deadlines. Since we missed that month, our schedual has now been put somewhat behind. To catch-up on correspondence, we will devote as much of this month's colum as possible to Questions and Answers.

QUESTIONS, ANSWERS and COMMENTS Our first letter this month comes from former CSU Editor Harold Morgan of Santa Ana, Calif. He writes..." One can drop the resonance of either the Tenna-Tuner or Joymatch systems by adding additional inductance between the antenna and the tuner, outboarded. You can then use the sliding tap/or tap switch to vary the resonant point with the basic unit. Conceivably, you could get complete coverage across the BCB, and even lower, using this system. I have used homebrew parellels to the Joymatch with good results. Just use a couple of old BCB tuning capacitors and a large coil--one of those Miniductor series, with one of the commercially available clips used for tapping on the coil. Primitive, but cheap. You can make a little mark where the tap goes for each range of frequencies. With a little useage, you know what goes where..."... OK Harold, you are perfectly right. All of the commercially available products can be constructed quite easily, many times with extended range and/or better overall operation. However, many DXers just don't want to bother with buying parts, etc. In addition, you can't beat the packaging that many commercial have. In the case of these antenna tuners, the only limit in lowering the frequency of resonance is in the size of the coil. I once calculated the value of coil needed to resonate a 35 foot whip down into the VLF region. It came out to be several Henrys-- a coil which would haveto have it's own room. At any rate your point is well taken....

Our next question comes from Richard Chisak of Kingston, P.A. He asks, " In many SW publications I have seen reference to Spark-Gap Transmitters which operate in the marine band. Just what are Spark-Gap Transmitters? What is their purpose? Do they verify reception reports? Why is no mention made of them in club bulletins?..... Spark-Gap Transmitters were the original commercial transmitters in the early days of radio. Basically they consisted of an alternator which was keyed into the primary of a step-up transformer. The high-voltage secondary of the transformer was connected in series with the "gap" and a parallel-tuned circuit. When the key was pressed, cuurent fløwed in the primary and induced the voltage in the secondary. This voltage jumped the gap and was impressed across the tuned circuit which oscillated at the resonant frequency. The antenna was then either connected directly at the high side of the tuned circuit or coupled to the coil of the tuned circuit. One interesting point is that since the antenna actually became part of the frequency-determining elements, all frequency adjustments had to be made out at sea, away from extraneous stray capacitance. One old story tells of several radio technicians who once adjusted the frequency of one of these gappers while the ship was in harbor. Stray capacitance from the nearby metallic ships caused some changes in the resonant point of circuit. When the ship left the harbor, nobody was able to talk to it since it was way off frequency!... I questioned several people about the gappers and to the best of their knowledge there are still none on the air. Some reports have it that there are still some in use in the USSR. About the last one to go out of service in the U.S. was at the Mackay Radio facility at Brentwood, L.I. It apparently closed in the 30's or 40's. There may be still be some of these XMTRS intact (for emergency use) on old ships and some old coast stations. In particular, the P.T.

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The following from the monthly bulletin of the International Shortwave Club of London, England: "Stations that cause interference with one another by broadcasting on the same or adjacent frequencies are not jammers. Jamming is the deliberate and indiscriminate broadcasting of noise. Main offenders are the USSR, East Germany and the Chinese People's Republic. The Soviet Union alone employ a jamming organization, with its attendant monitoring service, larger than all the broadcasting facilities of the Voice of America. Some jamming is done by other countries but this is so infinitesimal as to be of little consequence. The USSR and China counter jam one another. No wonder some 40 jammers can be heard at any one time. All this adds to the spoiling of good listening. Listeners are prevented from listening to their favorite transmissions, the jamming sometimes spreading over an area of 30 KHz. To combat this plague that everyone suffers from, the remedy, which must come from the listener, is harsh and severe. SEND NO RECEPTION REPORTS OR AFFORD NO PUBLICITY TO THE STATIONS OF THE OFFENDING COUNTRIES. Anyone who works in any way contrary to this are an associate with the jamming and the spoiling of good listening. They are as bad as the jammers. No reports or publicity to Radio Moscow, Radio Kiev, Radio Vilnius or any station of the USSR. Radio Berlin International or Radio Peking. Information on these stations should not be sent to DX bulletins, shortwave clubs, radio handbooks or other publications. Support no station, club, DX bulletin, or publication that gives publicity to the stations of the jamming countries. ISWC blacklists and will continue to blacklist all those who give such publicity: World Radio TV Handbook, World DX Club, International Shortwave League, American Shortwave Listeners Club, and also the BBC Program Feature WORLD RADIO CLUB, who each week find some date on the schedules of the offending stations, either from Tatsfield or Band Scan. It should be a hard enough job for stations to find clear channels without their job being made harder by giving publicity to the jammers. The Director Generals should stamp down upon all personnel who give such publicity. The campaign to gain a clean air is not politics. Could apply to any countries who employ jamming transmitters. The campaign has been operated for over 20 years and has seen the elimination of jamming from Czechoslovakia, Hungary, Poland and Rumania, all communist and because they do not employ jamming anymore, get listeners reports and the fullest publicity. ISWC shames those who are helping to spoil the hobby. Don't do it." ---I would like to see some comments from the membership on this article that was published in the ISWC bulletin (Jan issue). So, write a Forum report and express your opinion!

BILL MIGLEY - 210 South Maple Street - Lancaster, OH 43130

Just recieved a QSL from TV channel 2 in Havana, Cuba. I guess it's CMKV-TV but not sure. QSL was letter in English signed by Francisco Llerena. Rpt was sent via Radio Havana. I'm interested in obtaining any issues of ASWLC and all other SWL clubs bulletin (NASWA, NNRC, IRCA, NRC, WNYW, etc.) as well as radio and electronic magazines (Pop Electronics, E. Illus., R-TV Exper., etc), be they old or the current issue. Don't throw them away--contact me. How about those #1 Ohio State Buckeyes... (what about them, hi--ed). 73's from Kerntown.

John E. Weeks - 646 Illinois Street - Lawrence, Kansas 66044

I feel prompted to offer my viewpoint in regards to Anthony C. Marks' letter in the DEC issue of the ASWLC DX Forum. I have listened to HCJB for 9 months and been a member of ASWLC for 3 months. If I were not of Christain faith I might not wish to hear HCJB, however, I don't think they force their attitudes on anyone. HCJB's purpose and religious theme are clearly stated in their ID and anyone in disagreement can tune elsewhere. As to ASWLC, their reference to HCJB and the Bible verse in the bulletin total only about 6 lines. Surely, with all the info packed into each ASWLC bulletin, these brief items would not indicate that ASWLC is a slanted club.

(More on page 2!!)

=====

Jack Widner - 4818 Farrington Ave - Indpls., Indiana 46201

I have several things I would like to say. First, I think the title of DX Forum is a poor choice of words. I say this because the word forum means discussion of important topics or issues. And DX Forum has not lived up to its title. It's more like the old column of "Meet the Members." Personally, I think you should exclude those letters that introduce themselves to the membership (in that case, I would not have any reports to print at all, hi!--ed). After all, is this important enough to be discussed? Why don't the brass of ASWLC start "meet the members?" I think people don't mind reading about others, but I think this is entirely out of line with the DX Forum. In the BEC issue there were some fine commentaries on relevant issues, such as Ed Pyatt's bit about the country counting matter. How about it, ASWLC? Let's let DX Forum be a forum and not a "Meet the Members." Oh yes, why don't you revitalize "Meet the Members" from it's grave, Stewart? Since space cannot permit me to say something else about that DEC issue, maybe I'll catch you next month. Till next time then, all you apathetic citizens, good DX and peace.

ANTHONY C. MARKS - PO Box 521 - LaGrande, Ore 97850

(The following taken from letter from Anthony to Chuck Sadoian, direct) This is in regard to my letter you put in your column this month (Dec issue--ed). I want to apologize for giving you the idea that I was mad at you, or the publisher, or the club. I am not--I must just always sound that way. I am not happy with that one club policy, but the club is a good SWL club in other respects, as far as I can tell. You don't have to publish this letter taking up good space, but I wanted to try to correct a bad impression you must have gotten about me. Sorry!! I might have stepped on some toes, and for that I'm sorry too, but unfortunately my opinions stay the same on that point. I am not too good at putting thoughts into words, so perhaps I better stay away from the column--I get into too much trouble. 73.

Chuck Sadoian -382 Vermont Avenue - Dinuba, Calif 93618

First off, to Anthony Marks, please don't put yourself in isolation from the ASWLC columns. Contrary to what you thought, I didn't think you were 'mad', and it was my poor choice of words that caused you to think that I did. It is I who should apologize. I still think your point was very well taken, and I wish more members would write in and express their opinion on it. Like Jack Widner said, this column looks more like a "Meet the Members" column. I think an occasional rpt like that from new members is alright, but I originally intended for this to be a column like the one Jack Widner suggests it to be. Come on, write in and express your opinion on subjects that interest you (pertaining to SW or BCB). I hope to see many reports from the members on the ISWC article on page 1. Well, with no more to say, I guess I quit here. 73 and good DX to everyone. And don't forget--write a rpt for the forum!!!!

DX Special--KFRE 940 kHz 50,000 watts Fresno, Calif Will test on FEB 16, from 0300-0400 Eastern Standard Time. See BCB-International for details.

TOTAL REPLIES:

102

I. OF INTEREST:

	H Q N x	A N A R C	S W R	P r o p	C C C	T i f T	Q S L	B C B	F o r u m	C U	A d s
Always	76	32	93	48	26	62	69	37	43	12	27
Sometimes	24	47	9	43	34	35	25	32	39	11	51
Rarely	1	17	0	6	24	4	6	14	10	17	17
Never	0	3	0	4	14	0	1	17	5	53	3
Unrated	1	3	0	1	4	1	1	2	5	9	4

II. LIKE TO SEE:

Expanded	26	7	59	12	15	55	38	20	27	5	26
Stay As Is	71	70	41	74	46	37	50	48	51	18	53
Reduced	3	16	0	9	22	7	10	11	10	17	8
Eliminated	0	3	1	2	13	0	0	18	5	53	4
No Opinion	2	6	1	5	6	3	4	5	9	14	11

III. VALUE PREFERENCE:

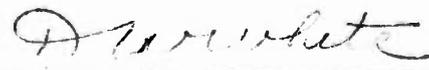
First Choice (a)	5	0	67½	8	3	7½	8	1	0	1	0
Second "	4	0	24	10	9	13	29	10	0	3	0
Third " (b)(c)	18	2	5	16½	5	16½	18	10½	5½	1	0

- (a) "Features" section received one first choice vote.
 (b) "Features" section received one third choice vote.
 (c) Three replies indicated no third choice.
 (d) ½ votes reflect two sections indicated equally; this procedure was selected as preferable to arbitrary interpretation.

CERTIFICATION:

I certify the above to represent a true and accurate tabulation of all ASWLC 1970 "Annual BOD Survey of Member Opinion" replies received through 31 January, 1970.

Dated 1 February 1970

 (seal)
 J W WHITE, CE

On behalf of the directors and editors, sincere appreciation is expressed to all those responding to this survey, and also for the many constructive, well conceived comments, suggestions, and criticisms (some 140 in total covering a range of roughly 30 topics). Each of these remarks has been categorically noted and will be included in a complete report to the president. Thank you all.

Sister Club: CEYLONESE SWL CLUB is the official "sister" club of ASWLC.
CSWLC; Victor Gooverilleke, "Galle Walauwa", Piliyandala, CEYLON.
Every 2nd Saturday of the month at 1100-1110 GMT, the CSWLC presents
"DX-PANORAMA" Listen!!!!!! In English on 17.830 kHz.

HCJB - ASWLC Radio station HCJB uses "SWL" as it's official news source over the
"DX PARTY LINE". Tune in at 0230-0300 GMT on Tuesdays ... 15115 -
11765 & 9745. 1930-2000 GMT on Tuesdays ... 21460 - 17880 & 15115.
0930-1000 GMT Wednesdays ... 15325 - 11915 - 9745 & 6050.

ABC - ASWLC The Ray Briem Show heard nightly over KABC-am 790kc in Los Angeles.
Midnight to 0500 PST 0800 - 1300 GMT. Listen and Soon.

A.N.A.R.C. The ASWLC is a member of the Association of North American Radio Clubs.

A.R.E.A. ASWLC is a member of Amateur Radio Editors Association.

A.F.C.E.A. ASWLC is a member of the Armed Forces Communication & Electronics Ass.

A.M.S.A.T. ASWLC is a member of the Amateur Satellite Corporation

ASWLC annual dues are \$7 via First Class Mail. Sample bulletins @ 50¢ first class.

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"He stretcheth out the north over the empty place, and hangeth the earth upon
nothing." Job: 26:7 "Which maketh Arcturus, Orion, and the Pleiades, and the
chambers of the south." Job 9:9 "Canst thou bind the sweet influences of
Pleiades, or loose the bands of Orion?" Job 38:31.

ASWLC --- The Only Way To Go



"ASWLC"



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11 No. 4

FOUNDED: DECEMBER 1959

MARCH 1970

DX-GET-TOGETHER

On Sunday, February 22nd, an all southland dx meeting took place. It started at 2pm and was over by 11pm. An excellent time was had by all who attended. It was a pleasure to attend and meet the men who in the past have been just names in bulletins/reports. I hope that more gatherings of this type can take place more often. We had a very good attendance with just a short notice to ASWLC members. The meeting was called by the IRCA but all dxers were invited. We thank Jay Murley and his wife for being such gracious hosts. The food was delicious.

The following members of ASWLC attended the meeting, Harry H. Johnson of Whittier, Mike Guerin of Upland, Marion Stokem of Riverside, Henry Heil of Downey, Father Jack Pejza of Ojai and your Executive Editor, Stewart Mac Kenzie. Unable to attend was August Balbi who has an eye infection. We hope that August is feeling much better these days and that his eyes are okay once again. Others attending the meeting were from IRCA - NRC - NNRC - NNRC. The only non-Californian at the meeting was Brian Williams, who flew in from Vancouver BC for the gathering. He is of IRCA.

Hope that we can see YOU all at the next gathering. We missed you at this one.

ISWL

We of ASWLC wish to congratulate member, Des Collings on his being appointed the shortwave broadcast editor of ISWL, the International Short Wave League of Great Britain.

WPE8KEQ

Gary Steele, better known as WPE8KEQ has won the First Place position for No America in the recent RSA DX 69 contest. We congratulate Gary for a job well done. Hope to publish soon, the complete contest results. Many thanks to all the ASWLCers who took time to take part in DX 69.

Member Serge C.P. Neumann has a new address. Please correct your records to reflect the following new address, AFTV Germany, Box 2704, APO NY-09009

MYSTERY STATION

Here is your chance to help solve another station mystery. The station can be heard zero-beating with WWV on 2.5 mc/s. Suspected language is Spanish. Has been between 0030-0230 GMT. Best to check during the WWV's silent period, 45-49 minutes past each hour. Send your research notes direct to hdqs.

FASTER 1970 Spring bursts forth with new life for another season but of our lives when our season is ended. CHRIST the RISEN one is the only answer.

Danmark

Member, Miss Sara K. Stillman of 1394 Third Avenue, New York, NY-10021 has taped the final English program from Radio Danmark. Miss Stillman will dub a copy if you wish to have this historic broadcast in your tape library.

In order to get this tape please follow the following instructions. Send a blank tape on which to put the dub and specify at what speed you would like to have the tape recorded. At $7\frac{1}{2}$ speed it would require a 1200 ft tape reel. At $3\frac{3}{4}$ ips it would require a 600 ft tape. At $1\frac{7}{8}$ speed it would require a 300 ft reel. On a cassette it would require a cassette #60. Please include enough postage to return the tape to you via First Class Mail.

I thank Miss Stillman for taking her time and effort in making this dubbing service available to those wishing the final broadcast of Radio Danmark. (WPE6AA).

RADIO JAPAN NEWS

In recent issue of the NHK newsheet appeared the photos of the following members and their shack areas. Lester W. Nichols, WPE6IP of San Francisco, Gary Goltz of Pittsburgh, Pennsylvania and of Associate Editor Mike Macken of Winthrop, Massachusetts. Congrats to you all for making the news sheet. (WPE6AA).

TAB BOOKS

How to Read Electronic Circuit Diagrams ... (#510). Written by Robert M. Brown and Paul Lawrence. Price: #3.95 paperbound.

Here is a modern guide of practical value to hobbyists, experimenters, students, and others who want to upgrade their knowledge the easy way. 256 pages including large schematic foldout section. Over 140 illustrations. 9 chapters plus Glossary, Appendix and Index.

Also available is their newest book catalog. The catalog is available free upon request. Order above books from TAB BOOKS, Blue Ridge Summit, Pa., 17214.

1970 World Radio-TV Handbook

This "bible" of the hobby is now available at the following costs, WRTVH-70 -- \$6.95. WRTVH Summer Supplement ... \$2.50. Combined price is \$8.95

The 1970 issue contains over 350 pages detailing the latest information for each station, including frequencies: time schedules, announcements, personal, slogans, interval signals and much more. Listing of all international shortwave stations, including frequencies for each country, foreign broadcasts, long and medium wave stations. Order your copy from World Radio-TV Handbook, 2160 Patterson Street, Cincinnati, OHIO-45214. Tell ASWLC sent you. Order your copy today!

DX Information Service

Radio Nederland - PO Box 222 - Hilversum - Holland has announced the availability of free various booklets, data sheets and courses concerning radio. The items below are available free from DX Information Service c/o Radio Nederland.

Aerial Construction Booklet. Converter Booklet. Selectivity Improvement Data Sheet, Image Frequencies Data Sheet, Beat Frequency Oscillator (BFO), Transistorized Crystal Calibrator Data Sheet, Product Detector Data Sheet, BC221 Frequency Meter Data Sheet, Frame Aerial for medium wave plus many more. When writing for your copy, let them know that you are from the ASWLC. Order your copies very soon.

FOR SALEFOR SALEFOR SALEFOR SALEFOR SALE

Headquarters has available the following postpaid: Frequency Calibrator FCC-90B by BUD Radio Inc. Sale price \$10 ppd. Webcor Monaural 2-speed taperecorder-\$50.

ANARC REPORT

By ASWIC Representative

Bill Sparks
1100 Hearst Building,
San Francisco, Calif. 94103

The monthly ANARC Newsletter is now being mimeod and mailed out to the reps by Don Erickson of IRCA. It is much easier to read than Ditto.

Exec-Secty Nominations: Nominations are now open for the position of executive-secretary of ANARC for the two year term to start this fall. Gray desires to put the nominees on the Newsletter mailing list so that they will be familiar with current activities. I suggest that any DXers who might consider placing the name of someone in nomination clear with the prospective nominee first since a certain amount of work is involved which will take time which the nominee may not be able to spare.

ANARC Convention: Jerry Heian of NNRC has offered to host the 1970 ANARC Convention in Bellwood, Illinois (5 miles south of O'Hare International Airport, Chicago). The Illinois tollroads and expressways are within a few miles, too. Jerry did not specify any particular date. Batesville, Ark. has also offered to host the convention in June. IRCA will probably offer to have a joint convention with ANARC, site as yet unknown.

QSL Committee: Ed Pyatt and Kris Lemna have commenced their activities. Ed is contacting Radio Iran, and plans to wrtie Radio Ankara and W.I.B.S. Kris and a friend, Mike Mahoney, have sent letters to ten Latin American stations asking what they desire or require for a verie. Kris has also written to Radio Damascus. Both committee members would like comments from club members and from ANARC reps, so that they can direct their work as the DXers wish it. Please write to Kris Lemna, Box 2005 Concord, Muncie Indiana 47304 and/or Ed Pyatt, Box 510, Morehouse College, Atlanta, Georgia 30314 if you have any suggestions for the QSL committee. Ed Pyatt is also one of our ASWLC reps.

BCB Verie Committee: Jerry Starr reports that station CKDA, 1220 in Victoria, B. C. will now answer correct reports. No follow-ups, please. Only new receptions. This station is one of the few British Columbia AM stations heard regularly in eastern North America. Verie signer for CKDA is Mr. F. Cole, Department of Engineering.

EDXC: Serge Neumann, our liaison to EDXC in Europe, will be moving to a new base soon, and taking up some new jobs, and has asked to be relieved from his ANARC job.

Club items:

Barry Jones of CIDX has resigned as publisher of the CIDX "Messenger", and Hal Morgan in California will probably be publishing the bulletin starting in a month. There has been a holiday of about a month in the Messenger's publication, but a large combines issue went into the mail recently.

WTFDA is celebrating its second anniversary. Many more years of good TV and FM tips. The club is trying a new reporting code based on the SINPO code used by SW DXers. They're using VAFI in their bulletin reports: (Video Audio Fading Interference).

ANARC Abbreviations List: This all inclusive list of DX abbreviations is being published at ASWIC headquarters and is on sale for \$1.25 for USA and Canada. Send to Stewart for your copy.

ANARC Editorial The following editorial was written by Gray Scrimgeour, and I am reproducing it here because I can recall a similar situation which arose in another club a few years ago. Any comments on it would be most appropriate in Chuck Sadoieh's DX Forum.

MULTI-FREAK RECEPTION

One thing on our DX hobby which arises, and distresses me very much, is multi-freak reception. That is, a series of unusual and irreproducible DX catches reported by only one DXer. From reading the bulletins of many clubs and from talking to DXers, I know that it exists on almost all bands. Often the DXer who claims the unusual catches has little DX experience and/or a minimal receiver, but cases that don't fit this mould aren't hard to find, unfortunately. A lack of experience can sometimes explain a newer DXer's misidentification of stations, as we all know that our minds can add little bits of audio to what the static covers. So, cases of phoney reports range all the way from the simple mistakes of a beginner to blatant cheating by "experienced" DXers.

My purpose is not to point a finger at individuals or to start controversy over particular cases, but rather to suggest what the responsibility of the clubs (guess we'll be called the 'establishment' for this, but so what?) is in cases of incorrect or imaginary reception. First, DXers who are straight may spend hours trying to log the unloggables (and simultaneously lose interest in DXing). Second, DXers should learn through reading the club bulletins just which reporters are the reliable ones (a vast majority of reporters, thank goodness). For example, when I read of several DXers independently hearing a great new catch, or of one giving a tip that helps others to log a difficult station, I am heartened. That is the purpose of DX club bulletins. When I read of bragadocious claims (often with 'QSL's' to back them up) that are unsupported either by reports of the same station by other DXers or by propagation characteristics I cringe. A person's credibility rapidly decreases as his phoney catches increase. Third, most important, function of the clubs is to acknowledge that all tips are not correct. This could be done by encouraging editors to suggest alternative stations that may have been mistaken for the claimed freaks, or perhaps to mark obvious errors in receptions so that readers do not think that all tips in the bulletin are ones meeting the editors' criteria of validity. Recently, a DXer submitted to a club bulletin a series of invalid tips, but the club's members and editors neither hid the errors nor chastized the new DXer. They pointed out the fallacies of his tips, and suggested the reasons in print. A very mature manner in which to handle the situation, and a way helpful and not discouraging to the DXer involved. Finally, we should encourage all avid DXers to understand the means of propagation of the wave bands listened to. An understanding of propagation would eliminate misunderstandings of reception.

I don't want to suggest the "little tin god" approach by clubs or editors, but when an utterly outrageous series of tips is submitted, we cannot overlook it. That's why I call this multi-freak reception. It differs from simple mistakes, and leads me only to the conclusion that it is premeditated by the DXer (if that term can really be applied - DXer?). Let him fool himself if he wishes, but let's not let him foist his fallacies on us. There are enough real stations to keep the rest of us busy hearing them!!! And the best ones are hard enough to hear with the best equipment.

If any of you desire to send comments on the above editorial directly to Gray Scrimgeour, his address is 227 Hanna Road, Toronto 350, Ontario, Canada.

Editor (& Asia/Oceania Section): Art Glover, 2318 S. Laurel, Port Angeles, Wash. 98362

Associate editors:

Station Data Section- Mike Macken, 64 Court Road, Winthrop, Mass. 02152

Eur/Africa Section- Chris Lobdell, 149 Walnut St., Reading, Mass. 01867

NAm/SAm Section- Carroll Patterson, 784 N. Parkwood Road, Decatur, Ga. 30030

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ALL TIMES=GMT

DEADLINE(Asia/Oceania Section): 20 MAR

AFGHANISTAN

9510 1745 R Kabul: German-Talks (Wood-HI)

BRUNEI

4865 1400 R Brunei: Lang/some Eng- Mx prog to 1432 s/off. Closer to 4863
Also 1245 (Fair)(Balbi)(Poor)(Williams-Ore)(Fair)(Koukel-Il1)

BURMA

5040 1315 BBS Rangoon: Eng-Local mx prog (Good)(Koukel-Il1)
1430 BBS Rangoon: Eng-s/on, nx @ 1445 (Fair)(Williams-Ore)

CEYLON

7275 0059 VOA Colombo: IS, ID and into lang (Ferguson-Fla)
11800 1725 CBC: Lang- Local mx prog, 1730 s/off (Fair)(Williams-Ore)
(Noted 0127 on 11804 QRM by Canary Isl 11800 (Glover-Wash))
15120 0130 CBC: Eng- Prog, 0200 BBC nx (Exc)(Widner-Ind)(Fair)(Williams-Ore)
1500 CBC: Eng- Nx (QRM by Vatican)(Balbi-Cal)

CHINA (Peoples Rep. of)

3830 1750 Peking: Chinese- Mao talk (Wood-HI)
7190+ 0730 Peking: Chinese- Mao talk -natch - (Wood-HI)
17835 0830 Peking: Eng- Prog to Australia/NZ (Exc)(d'Adolf-Kwajalien)

CHINA (REP OF)(TAIWAN)

11825 1842 BED 69: Eng-Interviews, talks, mx (Fair)(Williams-Ore)
15125 0115 VOFC: Eng-Prog (Poor)(Christian-Wash)
17720 0200 VOFC: no prog info supplied-sorry. (Harrington-Colo & Goltz-Pa)
17780 0230 VOFC: Eng- Mx & prog (Christian-Wash)
17890 0245 VOFC: Eng- Nx & prog (Poor)(d'Adolf-Kwajalein)

CYPRUS

15420 1715 BBC Relay: Eng- Nx & announcing Afr svc programs (Good)(Billingsley-Cal)

INDIA

7215 1745 AIR, Delhi: Eng- s/on to Europe (Wood-HI)
9912 2200 AIR, Delhi: Eng- Prog & ID, 2230 s/off (Poor)(Patterson-Ga)
11850 1230 AIR: Eng-Nx to 1235 then Hindi (Fair)(Widner-Ind)
15080 1800 AIR, Bombay: Eng- Nx (Fair)(Colby-Mass) 1745 Eng (Good)(Balbi-Cal)
15235 0030 AIR: Eng-s/on; QRM by NHK @ 0100 (Balbi-Cal)
17705 0330 AIR, Bombay: Lang- (Poor)(Christian-Wash)

INDONESIA (CELEBES & MOLUCCA)

4872 1340 Sorong: Lang- US & local tunes (Poor)(Williams-Ore) (See W IRIAN BELOW- I goofed-ed)

INDONESIA (JAVA)

6045 1345 RRI, Djakarta: Lang-Mx prog (Good)(Koukel-Il1)
6104V 1100 RRI, Djakarta: Eng- Nx & ID (Poor)(Lobdell-Mass)
11770 0906 RRI, Djakarta: Eng- Nx & mx (Good)(d'Adolf-Kwajalein)

INDONESIA (SUMATRA)

4955 1333 RRI, Banda Atjeh (tentative) Lang-RRI ID b.t loc. not heard (Poor) (Kamp-Tex)

INDONESIA (WEST IRIAN)

4872 0945 RRI, Sorong: no prog details - (Fair)(Fisher-Cal)
1215 RRI, Sorong: Lang-Local mx prog. QRM'd @ 1230 (Fair)(Koukel-Il1)

IRAN

7044 0330 R Iran: Persian-ID 0330, abruptly off 0332 (Ferguson-Fla)
(Logged OK @ 0340 on 5 Feb -thru CW)Poor)(Glover-Wash)
15135 2020 R Iran: Eng-Prog to 2027 then lang (Good)(Billingsley-Cal)
Also 1600-1700 Persian.(Balbi-Cal) Says 15035 but a slip?-ed.

IRAQ

3240 0400 R Baghdad: Arabic-Chanting, // 6030 (Ferguson-Fla)

RECEPTION REPORTS

ASIA/OCEANIA SECTION

ISRAEL

9009 2115 KI: no prog info stated (Exc)(Goltz-Pa)

JAPAN

2164 0100 NHK?: Lang- Mx to 0130, Eng nx & talk. Same prog // 17825 (Greshner-Oh)
 (Here's an odd one - anyone want to explain it?) -Prbb. 21640-ed.
 3925 1500 JOZ: Japanese- Talks, nx (Exc)(Pilkington-Wash) Afterthought
 7285 0730 NHK: German lang lesson (Wood-HI)
 9560 1900 NHK: Eng-ID, nx & into Japanese (Fair)(Williams-Ore)

KOREA, NORTH

3560 1435 R Pyongyang: Eng-Political talks, ID (Poor)(Williams-Ore)
 6540 0840 R Pyongyang: Eng- (Fair)(Fisher-Cal)
 15015 2005 R Pyongyang: Eng-Political, listener's letters (Fair)(Glover-Wash)

KOREA, SOUTH

9640 1100 HLK5, Suwon listed: (Good)(Goltz-Pa)
 15165 0600 VOFK; Eng- Prog to Europe. Drifts. (Wood-HI)
 15430 0300 VOFK: Eng- Prog to 0400 s/off (Good)(Wood-HI, Lobdell-Mass, Goltz-Pa)

KUWAIT

11940 1700 R Kuwait: Lang-Prog (Good)(Billingsley-Cal)
 15405 1600 R Kuwait: Eng- Rock mx prog (Exc)(Dressler-Fla) to 1900 (Balbi-Cal)

LEBANON

11790 0230 R Lebanon, Bierut: Eng to NA (Exc)(Williams-Ore, Koukel-III, Hicks-Fla Greshner-Ohio)

MALAYSIA

6080 0310 BBC, Tebrau: Good ID (Fair)(Christian-Wash) Ore)
 11850 0000 BBC, Tebrau: Eng- Prog // 17880 (Good)(Colby-Mass, Balbi-Cal, Williams)

NEPAL

11970 0120 R Nepal: Lang- Prog (Fair)(Ferguson-Fla & Billingsley-Cal, Koukel-III)
 0240 R Nepal (tent.) Lang- Possibly Eng @ 0300 (Poor)(Williams-Ore)

PAKISTAN, EAST

11650 1515 Dacca: Eng- Nx; 1630 Urdu and 1730 s/off (Rowell-Wash & Colby-Mass)

PAKISTAN, WEST

15360 0400 R. Pakistan, Karachi: Urdu (Wood-HI)
 21590 0810 R Pakistan, Karachi: Eng- Nx to 0815 then abrupt off (Steen-Guam)

PHILIPPINES

7230 1230 FEBC: Eng- (Shaw-Cal)(7225- Balbi-Cal) at 1500
 9580 0900 VOP: Eng- Nx @0940 (Good)(Wood-HI & Steen-Guam)
 15440 1600 FEBC: Eng-Prog (Fair)(Colby-Mass) VOA listed fqy, Tom)
 17750 2345 VOA, Poro: Eng-ID & s/off (Exc)(Christian-Wash) (Changed your 17755 to

QATAR

9570 1505 R Doha: Arabic-Talks & mx. QRM by VOA 1525 (Fair)(Williams-Ore)

RSFSR ASIATIC

4820 1055 Vladivostok or Petropavlovsk? Russian- ID "...Tikyini Okhean" (Christian Wash // 5015//5940

RYUKYU ISL

7165 0830 VOA Okinawa: Eng-s/on & Amer. Mx Theater (Poor)(Glover-Wash)
 1200 VOA Okinawa: Eng- Nx (Good)(Widner-Ind)

SARAWAK

4835 1300 RM Sarawak: Lang-Talks (Fair)(Koukel-III) to 1600 (Pilkington-Wash)
 7270 1220 RM Sarawak: Language lessons. ARO QRM (Shaw-Cal)

SAUDI ARABIA

11855 0430 SAB: Eng- Nx & mx prog to s/off 0530. Annncd a new fqy may be used
 after 10 Feb. (Exc)(Hicks-Fla)
 1730 SAB Jidda: Eng-Nx (Good)(Colby-Mass, Jarasius-III, Kamp-Tex) to 2000

SINGAPORE

5010 1130 Br Fcs: Eng-(Fair)(Steen-Guam) 1425 (Poor)(Williams-Ore)
 5060 1530 R Singapore: Eng recorded mx (Poor)(Pilkington-Wash)

SYRIA

9670 2040 R Damascus: Eng-Nx (Fair)(Colby-Mass)

TADZHIK SSR4635 0002 Dushanbe: Lang-(Poor)(Ferguson-Fla) 0200 (Fair)(Billingsley-Cal)
(page 2G)

RECEPTION REPORTS

ASIA/SHORTWAVE REVIEW
OCEANIA SECTIONTURKMEN SSR

4825 0320 Ashkhabad listed: Lang-0320, Russ 0400 (Ferguson-Fla)

UZBEK SSR

11925 1200 R Tashkent: Eng- (Poor)(Steen-Guam)

VIETNAM, NORTH

10040 1530 V of: Eng-(Fisher-Cal)

15020 2000 R Hanoi: Eng- Nx (Fair)(Colby-Mass)

YEMEN5803 $\frac{1}{2}$ 0410 Sanaa?: Arab- Mx prog. No ID 4 Feb but hd previously.(Ferguson-Fla)AUSTRALIAOCEANIA

4500 0900 VNG. Lyndhurst: Eng-(Good)(Steen-Guam)(1315 (Fisher-Cal)

6150 0850 VLR6, Melbourne: Eng-Sports prog, nx (Fair)(Kamp-Tex)

9550 1330 RA: Eng- (Exc)(Colby-Mass) 1540 DX prog (Fair)(Williams-Ore)

11710 1240 RA: Eng-to NA, DXers Calling & Mailbag (Good)(Hicks-Fla) 0815 to Eur.
Jarasius-Ill)

11930 1800 RA: Eng- to 2200 //11840//9540 (Balbi-Cal)

FIJI

Ore)

3230 0640 R Fiji: Vernac- Isl. type mx (Poor)(Glover-Wash) 0740 Eng (Williams-

3284 0640 R Fiji Vernac- Not as good as 3230, but varies w QRM (Glover-Wash)

GILBERT & ELLICE ISL

4912 0750 R Tarawa: Eng-Local nx 0830 (Fair)(Steen-Guam & Balbi-Cal)

NEW GUINEA

2410 1030 R Goroka: Pidgin-Mx prog & IDs (Fair)(Steen-Guam)

NEW HEBRIDES

3905 1012 R Vila: French-Commentary & Eng mx (Poor)(d'Adolf-Kwajalein)

NEW ZEALAND

9540 0812 RNZ: Eng- Nx (Good)(Pilkington-Wash)

PAPUA

4890 1300 ABC Port Moresby: Eng- Nx & ID (Exc)(Koukel-Ill)

11880 0500 ABC Port Moresby: Eng- kept repeating same nx. TEST? (Steen-Guam)

SOLOMON ISL., AUSTR

3322 1000 R Bougainville: Pidgin- Island type mx (Good)(Steen-Guam)

TAHITI

6135 0650 R Tahiti: French-Recorded mx w 2 announcers (Good)(Pilkington-Wash)

11825 0300 R Tahiti: French-(Harrington-Colo) 0500 (Fair)(Williams-Ore)
0640 (Ferguson-Fla)WHO DAT? DEPT.

3335A 0340 Unid: Lang like Arabic?, chants & Eastern mx (Fair)(Koukel-Ill)

4875 0200 R. Pakistan, but which? Eng- Nx 0210-0220 then Lang (Sparks-Cal)

5060 0602 Unid: Arabic lang? Classical mx, talk to 0635 QRM (Kamp-Tex)

(Aden, S Yemen seems to qualify, Steve. -ed)

REPORTERS THIS MONTH

August Balbi-Cal

Gene Greshner-Ohio

Sam Rowell-Wash

Don Billingsley-Cal

Rob Harrington-Colo

Ed Shaw-Cal

Tom Christian-Wash

Terry Hicks-Fla

Bill Sparks-Cal

Ed Colby-Mass

Arv Jarasius-Ill

Paul Steen-Guam

Steve d'Adolf-Kwajalein

Steve Kamp-Tex

Jack Widner-Ind

M. F. Dressler-Fla

Mark Koukel-Ill

Dave Williams-Ore

Don Ferguson-Fla

Chris Lobdell-Mass

R. Wood-HI

Rob't. Fisher-Cal

Pat Patterson-Ga

(Special thanks to the newer members

Gary Goltz-Pa

Chas. Pilkington-Wash

getting their feet wet. Your cooper-

ation is much appreciated).

WHICH REMINDS US that some new members may be understandably stumped with some of our regular abbreviations in SWR. As space permits then, here goes:

A= approx.(as 9540A)

ID= Identification

NA= North America

Unkn= unknown

V= variable(as 9542V)

IS= Interval signal

SA= South America

Unid= unidentified

M= measured precisely

lang= language

WCNA=West Coast NA

ex= from

Eng=English

nx= news

SEA=SE Asia

//= parallel or dual

fqy or freq= frequency

mx= music

LA= Latin America

a

hrd=heard

wx= weather

s/on= sign on

HS=Home Service

prog=program

s/off= sign off

(page 3G)

SHORT WAVE REVIEW
EUROPE - AFRICA

Editor: Christopher R. Lobdell - 149 Walnut Street - Reading, Mass 01867

APRIL DEADLINE: March 20th

MAY DEADLINE: April 20th

EUROPE

ALBANIA

6202 0330 R. Tirana- English program (good 14 Jan)(Gill-Ill)
7065 0630 R. Tirana- English to 0700 (fair)(Rowell-Washington)
7090 0635 R. Tirana- English news (good)(Christian-Wash)
9500 2230 R. Tirana- French news to Europe (good)(Benton-Ala)

AUSTRIA

7245 0655 Austrian R.- s/on in language (fair 18 Jan) (Gill-Ill)
6155 0700 Austrian R.- IS into multilingual ID (Wood-Ha)
11785 1459 Austrian R.- English ID (fair)(Colby-Mass.)
11925 2055 Austrian R.- German program (good)(Rowell-Wash)
15200 1800 Austrian R.- German news (Wood-Ha)

BELGIUM

6125 0049 RTB- "Belgium Speaking" Eng. prog. to 1000 (exc.)(Kamp-Tx)
9550 2215 RTB- News in French & Dutch (good)(Benton-Ala)

BULGARIA

9700 0000 R. Sofia- English to NA (fair)(Hicks-Fla)
9700 0400 R. Sofia- English program (fair)(Caldwell-Ca)

CANARY IS

11800 0120 RNE, Tenerife- Spanish mx (poor w/het from Ceylon)(Glover)
11800 0305 RNE- Spanish music (much QRM)(Christian-Wash)
15430 2230 RNE- Spanish & LA pops (good)(Caldwell-Ca)

CZECHOSLOVAKIA

7320 0530 R. Prague- Polish news (Wood-Ha)
9630 0145 R. Prague- English to NA (fair)(Benton-Ala)
9630 0330 R. Prague- English program w/ID (fair)(Adkins-Ca)
11990 0200 R. Prague- lang. & national music (fair)(Caldwell-Ca)

DENMARK

15165 1810 R. Denmark- Danish to Greenland (Ferry-Ca & Rowell-Wash)

FINLAND

15185 1800 FBC- English program (exc.)(Rowell-Wash & Ferry-Ca)
15185 2325 FBC- English to NA (fair 10 Jan)(Harrington-Colorado)

FRANCE

9620 0600 ORTF- French s/on (good)(Adkins-Ca)
15120 1810 ORTF- French program (Ferry-Ca)
15130 1845 ORTF- French news (fair 16 Jan)(Pilkington-Washington)
15160 1845 ORTF- Arabic program (Rowell-Washington)
15295 2015 ORTF- English to 2100 (good)(Colby-Massachusetts)
15380 2030 ORTF- English mx & news to 2100 (fair)(Young-Ontario)
21580 2010 ORTF- French talk w/music (fair)(Christian-Washington)

GERMANY (EAST)

9730 0330 RBI- English program (poor)(Caldwell-Ca)

GERMANY (WEST)

6005 0645 RIAS, Berlin- German talk (Wood-Hawaii)
6030 0500 SDR, Muhlacker- German program w/6 pips (good)(Colby-Mass)
7265T 0710 SWF, Rohrdorf- Light German mx but no ID (fair)(Lobdell)
9605 1600 DW- German s/on (good)(Adkins-California)
11795 1045 DW- English news (exc. 16 Dec)(Harrington-Colorado)
11795 1900 DW- English news (good 11 Feb)(Pilkington-Washington)

EUROPE

GREAT BRITIAN

3952.5 0600 BBC- English news (good)(Colby-Massachusetts)
 11760 0515 VOA, Wooferton- English program (Benton-Alabama)
 15260 2300 BBC- "World news" (exc. 16 Jan)(Pilkington-Washington)
 15390 1230 BBC- English s/on (good)(Tafel-New York)
 18080 1645 BBC- English music program (exc.)(Christian-Washington)
 21710 1820 BBC- English news (excellent)(Ferry-California)

GREECE

6045 0437 Forces BC, Athens- trumpet IS into band mx (good)(Lobdell)

HOLLAND

9715 2130 R. Nederland- English to ECNA (exc.)(Kinnaly-Mass.)
 11730 2130 R. Nederland- English to NA// 9715 (Rowell-Wash.)
 21570 1835 R. Nederland- English news (fair)(Ferry-Ca)

HUNGARY

6234 0315 R. Budapest- English program (fair 16 Jan)(Gill-Ill)
 6234 0400 R. Budapest- English s/on to WCNA (poor)(Caldwell-Ca)
 9833 0300 R. Budapest- English w/classical & pop mx (fair)(Caldwell)

INTERNATIONAL WATERS

6210 0608 R. Nordsee International- Rock mx w/anmts in French & German (good 11 Feb)
 6210 0715 R. Nordsee Int.- pop mx w/anmts in English & German (Jarasius-Illinois)

ITALY

6010 0100 RAI- English nx & mx //9575 (good)(Hicks-Fla)
 9630 1830 RAI- Italian talks (good 4 Feb)(Pilkington-Washington)
 21560 1835 RAI- Italian news to LA (good)(Ferry-Ca)

LITHUANIAN, SSR

9685 2233 R. Vilnius- English news (exc.) (Colby-Mass) Moscow xmtr

MONACO

7290 0600 TWR- "Back to the Bible" English program. (Wood-Hawaii)
 7290 0800 TWR- English program (Fisher-Ca, Gill-Ill, Rowell-Wash)

NORWAY

7240 0755 R. Norway, Tromso- children's singing prog.(fair)(Glover)
 9610 0100 R. Norway- Norse program w/English ID (poor)(Adkins-Ca)
 9610 0205 R. Norway- English program (good 26 Jan)(Fisher-Ca)
 9610 0400 "Norway This Week" English bcst //9645 (Wood-Ha)
 9645 2300 R. Norway- s/on in Norse (fair)(Benton-Ala)
 11735 2300 R. Norway- English ID into Norse //11850 (Rowell-Wash)
 11850 1920 R. Norway- Norse nx w/some English pops(fair)(Pilkington)
 11850 2200 R. Norway- English nx to W.Indies on Sunday (Glover-Wash Patterson-Ga)
 17825 1605 R. Norway- Norse news & talks (Christian-Washington)
 25900 1601 R. Norway- English on Sunday (exc.)(Colby-Mass.)
 What is this ? Everybody's favorite country-hi ! Ed.

POLAND

6035 0700 R. Warsaw- English s/on (fair 15 Jan)(Harrington-Colo)
 7125 0700 R. Warsaw- English to Europe (fair 12 Jan)(Gill-Illinois)
 7145 1100 R. Warsaw- English ID & nx. Long path (poor)(Lobdell-Mas)
 9655 0315 R. Warsaw- English to NA on Friday (fair)(Adkins-Ca)
 11840 0330 R. Warsaw- Polish program (Benton-Ala)

PORTUGAL

11935 0400 R. Portugal- English to 0430 s/off (good)(Caldwell-Ca)
 21495 1840 R. Portugal- English mx (fair)(Ferry-Ca)
 21700 1640 R. Portugal- Portuguese program (Rowell-Washington)

RUMANIA

5980 2123 R. Bucharest- English service (exc.)(Colby-Massachusetts)
 9510 0330 R. Bucharest- Rumanian service s/on (Wood-Hawaii)
 9570 0430 R. Bucharest- English nx & mx to NA (fair)(Hicks-Fla)
 11810 0130 R. Bucharest- English news (good)(Glover-Washington)

EUROPE

SICILY

7175 0500 RAI, Caltanissetta- light mx w/Italian anmts (fair)(Kouko)

SPAIN

9760 0200 RNE- English program (Harrington-Colo & Hicks-Fla)

SWEDEN

9625 0030 R. Sweden- English nx & mx (good)(Hicks-Fla)

9625 0830 R. Sweden- Russian into French 0930 (Wood-Hawaii)

11705 0340 R. Sweden- Eng. "Roundup program" (exc.)(Glover-Wash)

15240 1750 R. Sweden- German into French 1800 (fair)(Ferry-Ca)

15240 1900 R. Sweden- English program (Colby-Mass. & Rowell-Wash)

SWITZERLAND

6120 0540 SBC- Swiss talks w/accordion mx (good)(Pilkington-Wash)

9590 0700 SBC- English news (Adkins-Ca & Harrington-Colorado)

9665 1930 SBC- English to British Isles (fair)(Hicks-Fla)

UKRAINE

7330 0430 R. Kiev- English nx & commentary (poor)(Caldwell-Ca)

VATICAN STATE

9615 2300 Vatican R.- s/on in Portuguese (fair)(Benton-Ala)

15210 1650 Vatican R.- IS & ID into language (fair)(Christian-Wash)

AFRICAALGERIA

9510 0600 RTA- French music and news (good)(Kinnaly-Mass.)

ANGOLA

9535 0500 R. Angola- Portuguese s/on (fair)(Adkins-Ca)

ASCENSION

11820 0100 BBC- Spanish program (exc.)(Caldwell-Ca)

BOTSWANA

4845 0400 R. Botswana, Gaborones- s/on w/English ID & nx & talks in native lang. also (good)(Billingsley-Ca)

CAMEROON

4972 2220 R. Yaounde- mx w/anmts. in vernacular (fair)(Parker-Ill)

CONGO REPUBLIC

15190 1904 R. Brazzaville- French nx & talk (good 16 Jan)(Pilkington)

15190 1910 R. Brazzaville- English nx & music (poor)(Hicks-Fla)

15190 2015 R. Brazzaville- English program (fair)(Colby-Mass.)

17720 1820 R. Brazzaville- French (QRM from WINB)(Rowell-Wash.)

CONGO (DEM REP)

11864 1903 R. Lubumbashi- French mx program (fair)(Glover-Wash)

15245 2100 R.-TV Nationale- Fr. & vernacular ID w/afro mx (Caldwell)

ETHIOPIA

9725 0400 ETLF- English nx & religious mx (exc.)(Benton-Ala)

11890 0530 ETLF- English nx (good 16 Jan)(Harrington-Colorado)

GHANA

3350 0532 GBC, Ejura- vernac. rel. service w/English news 0600 (Ferguson-Fla)

4890 2245 GBC- English nx & Church service to 2300 s/off w/anthem (fair)(Young-Ontario)

4915 0600 GBS- English news (fair)(Parker-Illinois)

11850 2000 R. Ghana- English to N. (Harrington-Colo & Hicks-Fla)

GUINEA REPUBLIC

4900 0559 RN- French anmts w/afro tunes (fair 22 Jan)(Fisher-Ca)

7125 0559 RN- French s/on (fair)(Billingsley-Ca)

9650 2245 RN- "Ici Conakry" ID in French (poor)(Benton-Ala)

GUINEA (EQUATORIAL)

6250 0550 R. Santa Isabel- Afro lang w/a few Spanish words(Wood-H)

6250 2240 R. Santa Isabel- Afro tunes w/Spanish anmts.(excellent)(Koukol-Illinois)

AFRICA

IVORY COAST

11920 0600 RTI, Abidjan- ID, pips & French nx (Kamp-Tx & Wood-Ha)
 11920 1750 RTI- Native tunes w/French ID (fair)(Glover-Washington)
 11920 1850 RTI- English service (fair)(Colby-Mass.)

LIBERIA

3227 0555 ELWA- IS into Afro lang. talks & chants (Ferguson-Fla)
 6180 0615 VOA, Monrovia- French pop music (fair)(Benton-Ala)
 11950 0600 ELWA- English ID into BBC & local nx (Benton-Ala & Colby)
 15095 2200 ELWA- Native chanting w/sermon (good 13 Jan)(Pilkington)

LIBYA

7165 0425 LBS- Arabic music & talk (good)(Parker-Ill)
 11755T 1815 LBS- Arabic talk & mx; no ID (poor)(Ferry-Ca)

MAURITANIA

4850 2230 RNM, Nouakchott- Arabic music (poor)(Parker-Ill)

MOROCCO

5965 0329 VOA, Tangier- English program (good)(Parker-Ill)
 9615 0345 VOA, Tangier- English ID into Bulgarian (fair)(Adkins)

MOZAMBIQUE

3264 0338 RCM, Lourenco Marques- usual ads & mx in English. New
 fqy, ex 3218 (Ferguson-Fla)
 11780 0245 RCM- Eng. pops TC & Ads "LM Radio" (good)(Ferry-Ca)
 11845M 1849 RCM- IS & ID in Port. w/Afro mx (Glover & Rowell-Wash)

NIGERIA

4932 0545 NBC, Benin- Afro language talks (Ferguson-Fla)
 9570 0607 R. TV Kaduna- Hausa & Eng. nx w/Ads. (poor)(Patterson)
 15365 1700 R. Nigeria- English service (Adkins-Ca & Colby-Mass.)

RHODESIA

4828 0400 RBC- English nx (Billingsley-Ca & Koukol-Illinois)

RWANDA

9690 0600 DW, Kigali- English program (exc.)(Colby-Mass) //11905
 (Benton-Ala)

SENEGAL

7210 0600 R. Senegal- French music (Gill-Ill. & Glover-Wash.)

SIERRA LEONE

3316T 0700 R. Sierra Leone- pips w/unreadable ID into BBC nx
 (poor w/only snatches heard)(Kamp-Texas)

SOMALI REPUBLIC

6093.5 1745 NBS, Mogadishu- English news (Wood-Hawaii)

SOUTH AFRICA (another of our reporter's favorites)

5955 0510 SABC- local weather forecast in Eng. (Wood-Ha)
 6195 0345 SABC- Afrikaans news (Wood-Hawaii)
 7260 0400 SABC- IS & ID into Afrikaans (Wood-Ha & Gill-Ill.)
 9525 1700 RSA- s/on in Chichewa (so says WRTH)(Adkins-Ca)
 9695 2330 RSA- English to NA //9715, 15220. It seems this is
 ex-9715 kHz. (Rowell-Wash, Pilkington-Wash, Colby-Mass,
 Kinnaly-Mass)
 9705 0130 RSA- English North America (exc.)(Hicks-Fla). You listed
 9710 but I think you mean 9705 kHz, right? ed.
 21535 1837 RSA- German to Europe (good)(Ferry-Ca)

SUDAN

9504T 2145 SBS, Omdurman- Arabic s/off 2200 (fair)(Parker-Ill)

TANZANIA

15435 1700 R. Tanzania- English to 1715 w/nx, commtry & mx (good)
 (Christian-Wash.)

TOGO

5047 0530 R. Togo, Lome- French (Fisher-Ca, Glover-Wash. & Parker)
 5047 1448 R. Togo- Hawaiian mx. (Pilkington-Washington) Seems
 unlikely at this time, Charles. My guess would be
 Jogjakarta, Indonesia.

AFRICATUNISIA

11900 0525 RTT, Tunis- nice level w/Arab mx (Ferguson-Fla)

UNITED ARAB REPUBLIC

9475 0200 R. Cairo- English news & music (good)(Hicks-Fla)

9475 0315 R. Cairo- English service (fair)(Adkins-Ca)

15475 0845 R. Cairo- classical mx w/Arabic anmts (poor)(Benton-Ala)

15655 1730 R. Cairo- English program (fair)(Tafel-N.Y.)

17670 1725 R. Cairo- Arabic (3 Feb)(Rowell-Washington)

ZAMBIA

3346 0410 ZBS, Lusaka- light mx w/English anmts. Peak 0420 w/fade
0430 (Ferguson-Fla & Billingsley-Ca)

9580 0637 ZBS- ID in English & Afro language (poor 25 Jan)
(Patterson-Ga)

This month's Europe-Africa section had 24 reporters, that is 3 more than last time. Perhaps next month we'll break 25 !!! Keep reporting.

Corrections & clarifications. Last issue the FERÁ was reported as being on 15440 kHz. That's wrong. This is the FEBC in Manila, Philippines. In this month I listed Poland on 11840 kHz. This is R. Portugal & the credit goes to my boss Art Glover for submitting this one. Sorry for blunder.

Last month I asked that reporters would submit only one logging for each station. This should apply only for the large international broadcasters. If you heard Zanzibar at two different times, report 'em both.

CONTRIBUTORS THIS MONTH

Terry Adkins	Orange, California
Carl Benton Jr.	University, Alabama
Don Billingsley	Sacramento, California
Bill Caldwell, M.D.	Los Angeles, California
Tom Christian	Seattle, Washington
Edward Colby	Lynn, Massachusetts
David A. Ferry	Fullerton, California
Robert W. Fisher	Los Angeles, California
Jim Gill	Danville, Illinois
Dan Ferguson (out of order)	Coral Gables, Florida
Art Glover	Port Angeles, Washington
Rob Harrington	Englewood, Colorado
Terry R. Hicks	Ft. Lauderdale, Florida
Arvidas Jarasius	Lansing, Illinois
Steve Kamp	Irving, Texas
Paul E. Kinnaly	Dedham, Massachusetts
Mark Koukol	Naperville, Illinois
Ann E. Parker	Chicago, Illinois
"Pat" Patterson	Decatur, Georgia
Charlie Pilkington	Seattle, Washington
Sam Rowell	Gig Harbor, Washington
Edward C. Tafel	Syracuse, New York
Richard E. Wood	Honolulu, Hawaii
Dennis Young	Putnam, Ontario Canada

See You Next Month

Associate Editor: Carroll R. Patterson, WPE4KHW
784 North Parkwood Road
Decatur, Georgia 30030

April Deadline: 21 March 1970 May Deadline: 18 April 1970

All times: GMT

RECEPTION REPORTS

BOLIVIA

4855 0104 CP59, R. Centenario; Santa Cruz; Sp; good but
deteriorated rapidly (Fisher, Calif.)
5018 0330 CP48, R. Universo; La Paz; Sp; concert mx & ID;
fair (Sparks, Calif.)
5025 0250 CP75, La Cruz del Sur; La Paz; Eng; qual? (Fisher,
Calif)
5045 0946 CP38, R. Emisoras Altiplano; La Paz; Sp; LA prgr,
ads & news; fair (Kamp, Texas)

BRAZIL

3315 0255 ZYV63, R. Itatiaia; Belo Horizonte, M.G.; Port; talk;
very poor - mixed w/Sp spkg sta (Williams, Ore)
(Congrats on this one - listed as 250 watts,
WRTVH-SS...CRF)
3375 0457 s/off ZYK28, R. Olinda Pernambuco; Recife, Pe.; Port;
carnival mx & ID; Fair (Sparks, Calif). 0202-
0208 talk in Port; very poor (Williams, Ore)
4756 0305 ZYF23, Rdif Maranhao; Sao Luis, Ma; Port; mx; good
(Williams, Ore) (Congrats 'agin' OM, another low
pwr sta - WRTVH-SS lists as 100 watts)
4895 0258 PRF6, R. Bare; Manaus, Am; Port; pop mx; good (Parker, Ill)
5055V 0230 ZYX24, R. Cult. de Cuiaba; Cuiaba, M. Grosso; mx & ID;
good (Lobdell, Mass). 0500 s/off - pop mx & ID;
poor (Sparks, Calif)
5965 0020 ZYU60, R. Guaiba; Porto Alegre, RGS; Port; cont
talk; good (Williams, Ore)
11735 0100 ZYW28, R. Clube de Goiania; Goiania, Go; Port; NA jazz;
good till HCJB s/on at 0130 (Christian, Wash)
15370 2250 ZYC9, R. Tupi; Rio de Janeiro; Port; mx & nx; fair,
1/21, good 2/12 (Pilkington, Wash)
15415 0016 ZYR206, R. Cl. Ribeirao Preto; Ribeirato Preto, SP;
Port; mx & ads; fair (Lobdell, Mass)

CANADA

6030 0708 CFVP; Calgary, Alta.; Eng; news; fair (Pilkington,
Wash)
6070 2100 CFRX; Toronto, Ont.; Eng; nx & pop mx; good (Redman,
Ill). 0647, news; poor (Pilkington, Wash)
6130 0200 CHNX; Halifax, N.S.; Eng; nx, mx & ads; fair (Kamp, Tex.).
0244; Eng (Fisher, Calif); 1055; Eng; nx, mx & spts;
poor (Hicks, Fla)

CHILE

9510 0600 CE951, R. Corporacion; Santiago; Sp; pop mx & freq ID;
excellent; new ID: "R. Corporacion-Television
Nacional de Chile" (Sparks, Calif)
9690 0215 CE959, LV de Chile; Santiago; Sp; sportscast; good
(Parker, Ill). 0330; Sp; mx; excellent (Caldwell,
Calif)
9750A 0300 CE975, Sociedad Nac. de Lineria; Santiago; Sp;
mx; poor-inconsistent (Caldwell, Calif)

COLOMBIA

- 4916 0447 HJSG, R. Guatapurí; Vallédupar; Sp; mx & IDs; poor - RTTY QRM (Glover, Wash)
- 4945 0744 HJDH, R. Colosal; Neiva; Sp; mx & talk; good (Kamp, Texas) 0820; Sp; mx; fair (Parker, Ill)
- 6065 1040 HJIQ, LV del Llano; Villavicencio; Sp; mx, IDs & ads; good (Lobdell, Mass). (WRTVH-SS lists as 6115)
- 6115 1100 HJIG, Ondas del Meta; Villavicencio; Sp; ID w/racing car sound effects; good (Lobdell, Mass). (WRTVH-SS lists as 4885. CRP - Obviously has moved)
- 6160 0027 HJKJ, Emis Nueva Granada; Bogota; Sp; nx, mx, many ads; good (Kamp, Texas). 0930; Sp; LA mx & ID's as "Radio Cadena Nacional, Bogota, Colombia" (Redman, Ill)
- 6173 0500 HJLW, Ecos del Combeima; Ibaguè; Sp; pop mx & ID; hrd on this new freq since 1/31/70 - no longer on listed 4790(4785); fair (Sparks, Calif)

DOMINICAN REPUBLIC

- 4795 0200 HIAS, Onda Musical; Santo Domingo; Sp; good (Fisher, Cal)
- 5030 0620 HIBB, LV del Papagayo; La Romana; Sp; Christmas mx, ID & s/off ancmts & anthem; fair (Kamp, Texas)

ECUADOR

- 3308 0547 HCHA2, Ondas Quevedanas; Quevedo; Sp; request prgr; good (Kamp, Texas). Till 0702 s/off; Sp; Andean mx; badly squeezed by ute QRM - both sides - signal strong, hrd irregularly (Flynn, Calif). 1118; Sp; poor (Fisher, Calif)
- 4652 0640 HCAK2, R. Dif. Ecuador; Guayaquil; Sp; mx; fair-good (tentative) (Christian, Wash)
- 4730 0430 HCEH3, R. El Progreso; Loja; Sp; "usual Sp format"; good (tentative) (Christian, Wash). 0442; Sp; Ecuadorean mx; quality(?); (Williams, Ore) (WRTVH-SS lists as 4775 - CRP)
- 4740 0349 HCBK2, R. El Mundo; Guayaquil; Sp; basketball game; poor (Williams, Ore). 0412; Sp; pop mx & ID; at s/off call seemed to be HCB2J & HCB2K; fair s/off 0412 (Sparks, Calif)
- 4790 0400 HCVP2, R. Atalaya; Guayaquil; Sp; pop mx & ID; "now that Ecos del Combeima is off this freq, Atalaya is again being heard"; fair (Sparks, Calif)
- 4923 0420 HCRQ1, R. Quito; Quito; Sp; NA pop mx; ID hrd "R. Quito, La Voz de la Capital"; s/off 0431; good (CRP)
- 5115 0305 HCVC 3, R. Centinela del Sur; Loja; Sp; Ecuadorean mx; poor - audible but noisy (tent.) (Williams, Ore)

GUATEMALA

- 3360 1158 TGVN, LV de Nahuala; Nahuala; Sp; nx & LA mx; ID hrd: "LV de Nahuala"; fair (CRP)

GUYANA

- 3265 0215 R. Demerara; Georgetown; Eng; mx prgr; barely audible thru UT QRM - poor (tentative) (Glover, Wash)

HONDURAS

- 4890 1200 HRVL, R. Lux; Olanchito; Sp; religious chanting by children then ranchera mx; ID hrd "Escuchen Radio Lux"; good (CRP)

SWL

SHORT WAVE REVIEW - The Americas
RECEPTION REPORTS

March 1970

MEXICO

6010 0223 XEOI, R. Mil; Mexico City; Sp; poor (Fisher, Calif)
 6045 0130 XEQOC, R. Universidad Nac. Potosina; San Luis Potosi; Sp; classical mx; fair (Caldwell, Calif)
 6115 0130 XEUDS, R. Universidad de Sonora; Hermosillo; Sp; classical mx; very good (Caldwell, Calif)

PARAGUAY

11947 0115 ZPA5, R. Encarnacion; Encarnacion; Sp; mx; poor (Martin, Del.)

PERU

4785 0500 OAX3V, R. Horizonte; Huanuco; Sp; fiesta mx & ID; fair (Sparks, Calif)
 4975 0245 OCX4H, R. del Pacifico; Lima; Eng; concert mx & ID; poor-hvy QRM this freq (Sparks, Calif)
 6095 0255 OAX4H, R. Mil Ochenta (R. Nac); Lima; Sp; fair (Parker, Ill). 0400; Sp; "futbol" (soccer); good (Caldwell, Calif). 1120; Sp; fair (Fisher, Calif)
 6250 0105 OAX7A, R. Cuzco; Cuzco; Sp; LA mx - but also played "Dixie"! (CRP: must be some unreconstructed Rebels in southern Peru, too!); fair to poor (Williams, Ore)

VENEZUELA

3244 1110 YVKT, R. Libertador; Caracas; Sp; poor (Fisher, Calif)
 4810 0125 YVMG, R. Popular; Maracaibo; Sp; fair (Christian, Wash)
 4860 0415 YVQE, R. Maracaibo; Maracaibo; Sp; lot of ads, IDs, & talk about a carnival & LA mx; fair (Williams, Ore).

"Quien es?" Department

Bill Flynn of Calif: Needs help on a Venezuelan on 5059M with fiesta mx prgr on 9 Feb to 0555 s/off. Gave ID at close which sounded like "Transmite Radio Contura....en Puerto Cabello...muy buenas noches". Doesn't check with any listings, MW or SW, that Bill has. Strong signal and in the clear. Anybody have anything on this one? Your Associate Editor doesn't know who it is.

Tom Christian of Wash: He has found a station, location unknown, in Spanish until s/off at 055 on about 4865 Kcs. Gives ID quite often as "Radio Conosial". CRP comment: Is not Radio Colosal at Neiva as it operates on 4945 kcs and I hrd it about there last nite (this being typed 21 Feb/70). Help, anyone?

Steve Kamp of Texas: He has found station on approx. 5035, on the air 0334-0400 s/off which IDs as "La Voz de Tropical", mentioning Colombia. He can find no MW or SW listing for this one. Can somebody help Steve?

CREDITS

All reports received thru 21 Feb were considered. Tnx to the regulars who report every month and a special tnx to the new reporters. Please become a regular. This months reporters are:

Dr. Bill Caldwell, Los Angeles, Calif.

Tom Christian, Seattle, Wash.

(SWR-the Americas, p.3)

CREDITS (cont'd)

Steve d'Adolf, Kwajalein, Marshall Islands
 Bob Fisher, Los Angeles, Calif.
 Bill Flynn, Mountain View, Calif.
 Art Glover, Port Angeles, Wash.
 Bob Harrington, Englewood, Colo.
 Terry Hicks, Fort Lauderdale, Fla
 Arvidas Jarasius, Lansing, Ill.
 Steve Kamp, Irving, Texas
 Chris Lobdell, Reading, Mass.
 Bill Martin, Wilmington, Del.
 Miss Ann Parker, Chicago, Ill.
 Charles Pilkington, Seattle, Wash.
 Ron Redman, Decatur, Ill.
 Bill Sparks, San Francisco, Calif.
 Dave Williams, Astoria, Oregon

COMMENT

Due to the large number of reports in the Feb. issue, there was no room for the following items:

1. Please show overall quality of logging as "excellent", "good", "fair", or "poor".
2. Always list content of program hrd, such as "LA mx & nx"
3. When possible, quote ID hrd.
4. Eventhough it may be obvious, always indicete language(s) in which station hrd was broadcasting.
5. List call and name/slogan of station logged. Most stations in the Americas use both, you know.
6. As Brazil is such a large country and is a federal republic, I have started using state abbreviations for better ID of location. In this issue they are: M.G.=Minas Gerais; Pe=Pernambuco; Ma=Maranhao; Am=Amazonas; M.Grosso=Mato Grosso; RGS=Rio Grande do Sul; Go=Goiias and SP=Sao Paulo.
7. Please, please double-space between each station entry in your reports. Future reports that are not so spaced will be rejected. It is virtually impossible to cut single-spaced reports into strips for edit and typing. This request was also made in the Feb issue of "SWR-the Americas"

Again, I am asking for more participation. Surely with several hundred ASWLC members, there are at least 25 - 30 Western Hemisphere buffs who are willing to share their loggings! Come on, gals and guys, don't be shy. Share your DX with the rest of us! As always, credit will be given to each reporter for everything published. Everything you submit may not be published for several reasons: (1) too common such as HCJB, Habana, Radio Canada, VOA, etc.; (2) Item was published in previous months "SWR"; and (3) lack of space. But don't let any of these reasons stop you. Your Assoc. Editor does not even publish everything he logs, either, and for the same reasons.

 Associate Editor: Michael Macken, 64 Court Road, Winthrop, Massachusetts. 02152.

Deadline for SWR STATION DATA: 20th of each month

STATION DATA

INTERNATIONAL WATERS. Radio Nordsee International has started testing. Mebo II is anchored a few hundred meters from the Dutch pirate Radio Veronica of Scheveningen, Holland. Will probably move further north to a position seven kilometers of the coast between Ijmuiden and Den Helder. Reportedly there are two short-wave transmitters of ten kilowatts each for 6210 and 9940. The first transmission was heard on January 23. Reception reports are welcome to Radio Nordsee International, P.O. Box 113, CH-8047, Zurich Switzerland. (Sweden Calling DX-ers)

Has been heard here in Winthrop on 6210 during afternoons around 2200 with good signals despite RTTY QRM. Programing is pop presumably to the English coast where the BBC has a very limited amount of time allocated to pop music. Many English identifications may be heard along with several other station identifications in French and German. Breaks have been heard during transmission and the schedule is unknown. Has been reported as early as 2100-0700 by North American DX-ers. For both the novice and old timer this is a rare opportunity to log and verify a pirate station, the first for most of us.

ANDORRA. Regarding reports this past season on station operating or schedule to operate from this country appear to have been just reports. There has been no reliable report yet and it is just about certain that the previous reports were indeed false as earlier speculated here.

PORTUGAL. Card in from Radio Portugal informing us that their competition on Portugal and her wines now has three prizes, which are now twelve prizes because of high interest. Essays in the English language or your own language are welcome to 570 Fifth Avenue, New York, N.Y. 10036. Tune in for more exact details.

CANADA. Radio Canada since February 25th has been replying to reception reports with a new twenty fifth anniversary card. Plans for the development of the CBC's shortwave transmitting facilities at Sackville, New Brunswick, include the eventual installation of five 250 kilowatt transmitters to supplement the three existing fifty kilowatt units which have been in operation since 1945. The antenna arrays will also be improved to handle the increased power. Due to present financial restrictions, completion of the entire project has to be phased over four or five years. Two of the new 250 kilowatt transmitters should be in operation early in 1971. For an initial period of approximately twelve to eighteen months, these transmitters will be directed only to Europe. (Radio Canada Short Wave Club)

Radio Canada English schedule since the 1st of March indicates to Africa via BBC from 0715-0745 on 17820, 15390 and 11970. To Europe at the same time on 11780 and 9625. To the South Pacific from 0830-0930 on 9630 and 5970. To Europe, Caribbean and USA from 1217-1313 on 17820, 11720 and 9625. News in English and French daily from 1516-1529 on 21595 and 17820. To Africa from 1832-1914 on 21595, 17820 and 15325. To Europe from 2115-2152 on 17820, 15325 and 11905. To Caribbean Area, USA and Latin America at 2300-2330 on 15190, 11945 and 9625. This schedule is in effect until May 2nd. Would you believe that during 1969 that the CBC 28,278 reports? (Direct from Radio Canada)

GREECE. The Greek Forces Broadcasting Station may be heard in Greek, English and French. This rarely heard station may be heard from Athens on 6045 from 0430-2100. From Serri on 5955 from 0500-0800 Sundays 1000, 1000-1300 and 1500-2000. (C. Lobdell)

Editor: Bill Migley
210 S. Maple St.
Lancaster, Ohio 43130

BCB International
All
Times
GMT

Apr. Deadline Mar. 28
May Deadline Apr. 25

International Log

- 525 TICAL Costa Rica-Cartago R. Rumbo hrd often here around 0300-fairly good signal at times for 250 watts. (Steele-Mich)
- 535 Grenada-Windward Islands Broadcasting Srvc hrd best 2/1 at 0039. (Steele-MI)
- 555 YNG Nicaragua-Chinandega R. Tic Tac usually best at 0330, typical LA prog, (Steele-Mich)
- 675 YND Nicaragua-Managua Union R. semi-regular here. Often very good signal, but some WMAQ slop at times. Best 0300-on. (Steele-Mich)
- 725 Surinam-Paramaribo 0855 s/on to 0922 when QRM'd out. Chimes, IS, then into Indonesian prog. w/talk & mx. Fair reception, but WGN slop at times made reception impossible. (Kamp-Tex)
- 800 XELO Mexico-Ciudad Juarez good 0214-0229 w/Record Roost. (Kamp-Tex)
- PJB Neth. Antilles-Bonaire weak beneath local CKLW 0235-0250. Not heard well enough for a good report, but several definite ID's heard. (Campbell-Mich) PJB is to increase their power to 2 million watts-ed.
- 823 TGTO Guatemala-Guatemala City R. Internacional in every night w/varying signal strength. Best 2/15 when o/everyone's QRM. Frequent ID's. (Steele-Mich)
- 845 Italy-Rome RAI was best here 1/27 at 0107-0305 w/mx, nx/annmts on ½ hr intervals in Italian, English, & French. (Steele-Mich)
- 880 TGJ Guatemala-Guatemala City R. Nuevo Mundo 2/20 at 0455 w/SS anmt. Occasional good signal, but variable o/u WCBS. (Steele-Mich)
- 885 Montserrat-Plymouth R. Montserrat logged 1/22 at 0213 w/Eng. talk-very weak-WLS/WCBS slop.
- 1000 XEOY Mexico-Mexico City R. Mil good 0533-0535 fade. Ad, pop mx. Logged in Houston on 10 transistor radio. (Steele-Mich)
- 1015 YSC El Salvador-San Salvador R. Internacional in often between 0200-0500 many nights. (Steele-Mich)
- 1035 4VEF Haiti-Cap Haitien semi-regular w/fair signal in EE to 0207 s/off. (Steele-Mich)
- 1146 4VAB Haiti-Port-au-Prince R. Caraibes 2/12 at 0030 w/FF talk & ID. Hrd tent. 2/8 at 0700 w/similar prog. & ID, but didn't believe on this late. (Steele-Mich)
- 1175 YSCB El Salvador-Sonsonate-La Voz del Pacifico in 2/8 at 0512 w/mx, very good ID at 0515. Weak signal. (Steele-Mich)
- 1200 YVOZ Venezuela-Caracas R. Tiempo in every night. Best at various times-2300, 0200, 0400- irregular s/off- noted at 0400 s/off and hrd AN some nights. (Steele-Mich)
- 1203 TIQ Costa Rica-Limon R. Casino often good throughout evenings w/EE noted at 0430. This station probably one of best verifiers around-returns IRC's and mails by air. (Steele-Mich)
- 1570 XERF Mexico-Ciudad Acuna hrd at 0600 w/religious Program. (Grenier-Calif) Excellent 0449-0516 w/"Lifeline", "Hour of Blessing", and "Hour of Deliverance". (Kamp-Tex)

Domestic Log

- 540 CBK Saskatchewan-Regina good every morning past 1230 lately. (Palmer-Mich)
- 550 KFYR North Dakota-Bismarck in at 0400 2/13 w/ID into news. (Palmer-Mich)
- WHLM Pennsylvania-Bloomsburg logged 2/14 w/ID through heavy QRM at 0258. (Palmer-Mich)
- 560 KWTO Missouri-Springfield noted 1/28 at 0330 w/rock mx. (Weeks-Kans)
- 580 WTAG Massachusetts-Worcester w/news at 1220 2/22. QRM de local WARM. (Chisak-Pa)
- KSAC Kansas-Manhattan-Kansas State Univ. 1/28 at 2325 to 2330 s/off. (Weeks-Kans)
- 590 KTBC Texas-Austin good 2334-2349 w/Bruce Williamson Show. (Kamp-Tex)
- 630 WLAP Kentucky-Lexington heard at 0500 s/off. (Campbell-Mich)
- CJET Ontario-Smith Falls fair at 0028 w/C&W mx, QRM de WVNJ. (Halprin-NJ)

ECB International

- 640 WOI Iowa-Ames logged at 2345 s/off. (Palmer-Mich) date?-ed.
 660 KOZN Nebraska-Omaha 1637-1640 1/24 good w/C&W mx. (Weeks-Kans)
 680 WRKO Massachusetts-Boston in at 0323 w/little fading to 0350 w/mx. (Hicks-Fla)
 WCBM Maryland-Baltimore fair w/ID, news, and "Two Way Radio" program 2/13 at 0300. Heavy QRM de WPTF. (Palmer-Mich)
 CJOB Manitoba-Winnipeg fade in at 2330 w/"This is CJOB. The time is 5:30." 2/14, then faded out. This seems to be a good freq. these days. (Palmer-Mich)
 KNBR California-San Francisco w/nx at 0605 on MM 2/16. Only second Calif. logged here. (Widner-Ind)
 750 WBMD Maryland-Baltimore good at 2220 2/7 w/"All-American Sports". QSL-ltr in one week. (Chisak-Pa)
 810 KCMO Missouri-Kansas City good 0340-0345 1/24 w/K.C. Blues ice hockey. (Weeks-Kans)
 830 WCCO Minnesota-Minneapolis logged at 0320 1/29 w/Minn. North Stars hockey. Fair signal, QRM de WNYC. (Halprin-NJ)
 850 KOA Colorado-Denver excellent at 0231 w/"Sportstalk". (Kamp-Tex)
 930 KWOC Missouri-Poplar Bluff in on sunset skip 2323 2/2 with a good signal. (Widner-Ind)
 940 KHOS Arizona-Tucson noted w/C&W mx. QRM de KHJ. (Grenier-Calif)
 970 KNOK Texas-Ft. Worth in at SSS 2327 2/2. (Widner-Ind)
 980 KMBZ Missouri-Kansas City good w/mx 1/22 0220-0228. (Weeks-Kans)
 1030 KCTA Texas-Corpus Christi in at 2358 SSS w/religious prog. u/WBZ. (Widner-Ind)
 1150 CKOC Ontario-Hamilton fair at 0808 w/rock mx. (Halprin-NJ)
 1180 -VOA- Florida-Marathon logged at 0630 w/nx summary. Not supposed to be on at this time. 1/17. (Widner-Ind)
 1220 CHSC Ontario-St. Catharines fair to poor w/QRM from WGAR and the Mexican-0246 w/mx. (Halprin-NJ)
 1230 KLAV Nevada-Las Vegas logged at 1010 w/pop mx. (Grenier-Calif)
 1300 WRBC Mississippi-Jackson is a regular here w/ rock mx after 0500. (Campbell-MI)
 1310 KWHN Arkansas-Ft. Smith logged at 0700 s/off. (Campbell-Mich)
 1410 KQV Pennsylvania-Pittsburgh faded in w/wx at 0908 2/15. (Chisak-Pa)
 1440 WHHH Ohio-Warren good at 2345 2/1 w/C&W mx. (Chisak-Pa)
 1600 KLAJ Colorado-Lakewood noted at 0700 w/C&W mx. (Grenier-Calif)

Reporters

Gary Steele-Benton Harbor, Mich. (HQ-145X; loop)
 Steve Kamp-Irving, Texas (HQ-140X; 60' longwire)
 Peter Campbell-Ann Arbor, Mich.
 Pete Grenier-Azusa, Calif.-(Realistic DX-150A; 50' longwire)
 Tom Palmer-Detroit, Mich. (Magnavox 10 transistor; ferrite loop)
 John Weeks-Lawrence, Kansas (Hallicrafters S-38B; 66' longwire)
 Richard Chisak-Kingston, Pa. (Lafayette Explor-air Mark V; 30' longwire)
 Robert Halprin-Fair Lawn, N.J.
 Jack Widner-Indianapolis, Ind.
 Terry Ray Hicks-Fort Lauderdale, Fla. (Allied 2682)

A hearty welcome to our new reporters. Only one report from the Western states so all domestic loggings combined together this month.

Jack Widner-Ind. reports on some tropo TV DX-"As for TV DX, Cincinnati, Champaign, Ill., and Louisville were noted on channels 12, 3, and 10 respectively. Noted two Un ID stations on ch. 13. One concluding "Big Movie" at 0805A and s/off at 0808. This might be Grand Rapids or Louisville. The second one was an ABC affiliate w/Dick Cavette 0733-0817, followed by "Thought for Today" and "Your Christopher Thought for Today". Then TV code, s/off anmts, "Almanac for American Heritage", SSB, and s/off. This might be Grand Rapids while the other one could be Louisville. Why Cavett on so late, though? Off here by 1 AM EST in Indianapolis."

BCB InternationalDX Calendar

Sun. Mar. 15	WNIO	1540	Niles, Ohio	500w	0730-0830	GMT	NRC
Mon. Mar. 16	WMVO	1300	Mount Vernon, Ohio	500w	0800-????	GMT	IRCA/NRC
	WTTN	1580	Watertown, Miss.	1kw	0800-0900	GMT	IRCA/NRC
Mon. Mar. 23	KXL	750	Portland, Oregon	50kw	0800-0900	GMT	NNRC
Sat. Mar. 28	KGTV	1530	Georgetown, Texas	1kw	0600-????	GMT	NNRC
Mon. Apr. 13	KFIR	1370	Sweet Home, Oregon	1kw	0830-0930	GMT	NNRC/IRCA

WFAA/WBAP & 570/820 kc.

Info from Steve Kamp-Tex. and Broadcasting magazine- WFAA and WBAP who have been sharing time on 820 kc w/50 kw and 570 kc w/5 kw-for three decades in dispute- have agreed to a settlement subject to FCC approval. WBAP will become fulltime occupant of 820 kc w/50 kw as NBC, and WFAA takes over 570 kc w/5 kw as ABC.

PJB Bonaire 800 kc

Trans World Radio, whose 500 kw xmtr on 800 kc is a regular at night here in Ohio-even on my car radio-will boost their power to 2 million watts. Date not known yet. (via many sources-SCDX, NRC, IRCA)

ASWLC 1969-1970 Winter BCB Contest

	Score	States	Provinces	Countries	Foreign Stations	Total Stations
Boomer-WVa	1059	30	4	14	31	214
Campbell-Mich	711	33	4	5	3	201
Ferry-Calif	908	28	5	8	18	198
Laurier-NY	474	23	3	4	2	114
Mayo-NY	894	27	2	14	21	149
Migley-Ohio	1048	37	6	11	25	217
Nelson-Mass	2397	1	1	51	100	102
Sadoian-Calif	1087	15	6	24	33	87
Sprague-Kans	525	..	..	..	..	...
Steele-Mich	1529	32	4	25	65	219
Weeks-Kans	221	15	0	1	0	46

ASWLCer C.A. Creamer WPE7CTZ writes, "In my years as an ASWLC member and of reading BCB-I I have never seen the station I work for listed in the loggings. I am a DJ for KAYT in Rupert, Idaho. Anyone wanting more info or has logged this station is encouraged to write to me. Upon correct report I will issue a verification letter. Write: C.A. Creamer WPE7CTZ, 1001 "H" St., Rupert, Idaho 83350."

KAYT is a 1kw daytime station on 970 kc-ed.

You have only a couple of weeks left to get your winter contest totals fattened up a little. Final contest results will be published next month so be sure you have your totals included in next month's report as well as your updated statistics (alltime). If you miss reporting next month your totals will stand as final what they were a month or two ago, and you don't want that to happen, do you?

ASWLC DX Special over KFRE-940 on MM 2/16 made it here to BCB-I hqtrs w/a nice signal though some QRM from 2 other stations. They also were heard as far East as Charleston, W.Va., Detroit, Mich., and Weston, Ont., and also in Alaska. They were accepting collect calls. We hope to have full info on the results of the test next month

Jack White
780 NW Wallula
Gresham, Oregon 97030

P R O P A G A T I O N

A recent letter from long-time DXer C N Coombe raised the question of definition for the areas mentioned in this column (ie. "Mid East", "Far East" etc). Thinking that this along with another item or two relating to preparation of this column might be of interest, Chas' inquiry is answered as follows:

SOUTH & CENTRAL AMERICA: This region is composed of the entire South American continent, and those portions of Central America and the Caribbean below 15° North latitude. To include locations of closer proximity would only tend to confuse the general pattern due to the "short-skip" possibilities into the southern part of the US, and in some cases such reception falls in the "local" category.

EUROPE: Here the geography book is fairly well adhered to as computations are usually based on the land mass from Ireland east to the Volga River and include the Scandanavian Peninsula.

NORTH AFRICA: For the purpose of propagation projections, this area is considered to be those African nations bordering upon the Mediterranean Sea. Generally this region is included in a composite with Europe as the characteristics are quite similiar and from the standpoint of population (and therefore most transmitter site) the concentration is not far removed.

MIDDLE EAST: This is a tough one to pin down exactly as it falls on a sort of "fringe" for reception in parts of North America. For computation purposes the area consists of those Asian countries bordering upon the Mediterranean and lying eastward to the Caspian Sea and Persian Gulf. Again, this region is also included with Europe because of similiar daylight/darkness patterns, but East Coast DXers might be able to stretch this to include Afghanistan and West Pakistan at times; while their counterparts on the Pacific shores usually have to settle for a little less range.

CENTRAL ASIA: From the propagation viewpoint the Indian subcontinent and those lands in the vicinity all share the same characteristics ... nearly opposite daylight/darkness relationships with North America. The fact that signals can, and usually are, received from either the east or the west from this part of the world with equal regularity also sets it apart. It should also be noted that this column does not reflect projections for the deep interior of the Asian continent. It is felt that such considerations would be mostly academic and only tend to modify the accuracy of the overall forecast.

FAR EAST: Another "fringe" area in some respects. For the purpose of the prediction chart the region covers that part of Asia on the South China Sea (sometimes referred to as Southeast Asia), plus Indonesia, the Philippines, and northward along the Pacific coast to Khabarovsk. This may seem to be a rather scattered piece of landscape, but the great circle signal paths from most parts included therein all follow roughly the same course into most of North America. Westerners can usually extend their reach on a particular band just a bit further than Easterners which sort of evens things out for the Middle East reception.

CENTRAL AND SOUTH AFRICA: This is an easy one; it's all of the dark continent lying below 15° North latitude. At times this column may also use terms such as "East Africa", "Tropical Africa", etc, which are fairly self-explanatory.

SOUTH PACIFIC: A lot of water mostly. To arrive at some sort of a group for calculation, a triangle is laid out with New Guinea, New Zealand, and the Cook Islands at the corners. Australia is often included in general forecasts for this region and the fact is usually mentioned.

It is hoped that the forgoing will clarify the terms of reference, and it probably should have been done sooner since regions with propagational similarities do not always coincide with the geo-political arrangements.

Sincere apologies for an abbreviated column this month, but some occupational considerations temporarily overturned the schedule.

Jack

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE MID EAST N AFRICA	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	AUSTRALIA SOUTH PACIFIC
0000 to 0300	E	31G 49F 60F	25G 31G 41F	16G 19F	19M 25G 31G 60F	19F 25M
	W	25G 31G 49F 60F	25G 31G 19M	16G 19G	31F 49F 60F	19F
0300 to 0600	E	49G 60G 31M	25G 31G 49F	19G 25F	31G 49F 60F	19F
	W	49G 60G 31M	25G 31G 49F	19G	31G 60F	19G 25G
0600 to 0900	E	49G 60G	25F 31F 41F	25G 31F 49F	41F 49F 60F	25F 31F 49F 60F
	W	49G 60G	25F 31F 41F	19F 25G 60F	41F 49F	25G 31G 49F 60F
0900 to 1200	E	49G 60G	31G 25M 41F 49F	25G 31F 60F	31M	25M 31F 49F 60M
	W	49G 60G	31F 41F	25G 31F 60F	41F 49F	31G 49F 60F
1200 to 1500	E	31F 49F	16G 19G	19G 25F	16F 19F 25M	25M 31M
	W	31F 49G	31F	25G 31G 60F	19M 25F	49G 60M
1500 to 1800	E	19F	16G 19G	19F	16G 19G	19M 25F 31M
	W	25F	19G	19F 25G 31F	16G 19G	25F 31F
1800 to 2100	E	19F	16G 19G	19G	16G 19G	NEL
	W	19F	16G 19G	19F	16G 19G	19M
2100 to 2400	E	19M 25F 31G	19G 25F 31M	16F 19F	19G 25F 31F 60F	19M
	W	19F 25F	16F 19G 25M	16F 19F	19G	19F

LEGEND: RCVR ZONE indicates listener's region - E represents EST & CST time zones and W is for MST & PST. Reading down to the appropriate GMT and RCVR ZONE, and across to the desired area will indicate the SWBC bands most likely to offer reception at that time. Quality of openings is shown by G, F, M - Good, Fair and Marginal respectively.

16 meter band	-	17700 to 17900 kHz	31 meter band	-	9500 to 9775 kHz
19 " "		15100 to 15150 kHz	41 " "		7100 to 7300 kHz
25 " "		11700 to 11975 kHz	49 " "		5950 to 6200 kHz
			69 " "		4750 to 5050 kHz

ASWLC

MARCH 1970

ASWLC

QSL
CORNEREditors: Bill Flynn, WPE6AF, P.O. Box 473, Mountain View, CA 94040
Gary Steele, WPE8KEQ, 290 Elmside, Benton Harbor, MI 49022QSL
CORNERDeadline for QSL Report Section: 15th of preceeding month.NEW HCJB QSL CARDS

"During 1970 we are offering four different QSL cards, which depict typical scenes of the country of Ecuador. Each will be in full color.

Jan. - March: The Church of Guapulo, one of the oldest in Ecuador, nestled among the mountains.

April-June: Two boys on a donkey in banana country, near the city of Quevedo.

July-Sept. A verdent Ecuadorian valley with 20,600 ft. Mt. Chimborazo and also Mt. Carihuairazo in the background.

Oct.-Dec. Hacienda workers in the Los Lhilllos Valley."

(The cards are 6½ x 4" colorchromes with "HCJB" imposed - full veri on reverse. Very nice - wish we could reproduce them here -ed.)

THESE ARE THE REQUIREMENTS FOR QUALIFYING IF YOU ARE INTERESTED IN RECEIVING A QSL CARD FROM OUR STATION...

1. Date you heard HCJB
2. Time in Greenwich Mean Time
3. Frequency in megahertz (only 5 khz variance allowable. Meter band only NOT acceptable.
4. Name of the program
5. Items that would identify the program.

In order to receive an airmail reply, it is necessary to include 3 International Reply Coupons (available at your local post office) or the equivalent in U.S. stamps or money.

To get any of our back QSL cards, the listener must send a seperate report for each card and specify which card is desired. However, QSL cards are not available in advance of date of issue."

ANOTHER NEW ABBREVIATION (!)

U = Utility station - a good number (elusive countries, too !) included.

NORTH AMERICA

ANTILLES, N.W.I.: TWR, 11815: "Xmtr Bldgs" C, pennant, sked, calendar - 10D, air. 2 IRC. (Jarasius, IL) R. Nederland, Bon-
aire, 11730: "50th Anniversary" C, stamped "Happy Station" - autographed folder on Eddie Startz's career - 2W, air.

(Soneff, LA) PJG, Curacao Aeradio (U), 8837: own C (PFC not used) full data; veri on back - 18D, air. IRC Rptd to Chief Radio Officer. (Kamp, TX)

CANADA: CFCX, 6005: "CFCF" C - 16D surface. IRC. (Jarasius) Red/white C: full veri & stn info - 11D. No RP. (Marshall, Ontario) R. Canada, 9625: "Bluenose II" C - 17D, s. No RP. (Jarasius) 15190: 8D. (Benton, AL) CFRX, 6070: "City Halls" C /s/ Clive Eastwood. 5D, no RP. (Benton) CHNX, 6130: blue/wh C /s/ Kathleen Davis 11D, No RP. (Marshall)

COSTA RICA: TIQ, R Casino, 5954: 4 x 8½ lt green C + pennant. Returned 3 IRC. 31D, air. (Jarasius, IL) In Sp & Eng, all info. Pennant is green & white. 4M. Also returned 3 IRC. (Haynes, CA) Returned 1 IRC; /s/ unreadable. 2½M, air. (Marshall)

DOMINICAN REP.: R. Mil, 4940: sent rpt 3-69; no reply yet but several letters from Santo Domingo residents wanting a "pen-pal". Perhaps they gave my address on the air. (Marshall, Ont.)

EL SALVADOR: YSS, 9552: L in Eng, acknowledgement only, pennant, tourist folder, conflict brochure. 7W, air. Rpt in Sp. (Soneff, LA)

GRENADA (WINDWARD ISLANDS): WIBS, 11970: large brown C w/ sked /s/ Vern Harlin. 74D. 3 IRC. (Bradley, FL)

GUATEMALA: TGNA, 5955: "Quetzal" C, sked, large pennant - 15W, surface. 2 IRC. (Kinnaly, MA) TGVN, LV de Nahuala, 3359: L + pennant; /s/ Dennis Evans, volunteer tech. from England. 44D, air. MS. (Sparks, CA) 2 L: 1 w/ specific veri info, & also stn info brochure/map. Red/blue/white pennant. 2W, 1 IRC. Very nice. (Editor)

MEXICO: R Mexico, 11720: L, 3 12" records & books - 3M. No RP. (Fisher, CA) Mexico PTT, 20150 (U): L in Sp - freq, comprehensive veri, technical details. /s/ Jorge Suarez Diaz, Dir. 25D, regist. air. Sp rpt, 1 IRC. (Koukol, IL)

TRINIDAD: 9YC, Piarco Aeradio (U), 8837: returned PFC (prepared form C) - 12D. SAE with IRC. (Kamp, TX)

U.S.A.: WWV, 5000 & 10000: brown C /s/
John T Stanley. 13D, s. 3-3/4" tape sent,
no RP. (Buckley, NY) NOY, US Coast Guard,
Galveston (U), 2182: PFC back in 4D. Also
7 QSL's from marine operators (U) in 2
mhz band via PFC. (Kamp, TX) WNYW: black
& white C + prgm sked -2M. (Seymour, NC)

SOUTH AMERICA

BOLIVIA: R La Cruz del Sur, 5025: L &
colorful C (no text at all) /s/ Philip D
George, QSL Mgr., expressed tnx & apprec-
iation (in Eng)-30D, air. Eng rpt, IRC.
(Koukol, IL) Same in 3M for ms. (Sparks, CA)

BRAZIL: D.C.T., Rio, 15520 (U): L in Pt w/
time & freq /s/ Lourenzo Ferreira Bastos,
Chefe Servizo. 60D, air. Pt rpt, IRC.
(Koukol) ZYK33, R Jornal de Comercio,
15145: C w/ full veri & xmtr details /s/
Marluce Britto. Collects stamps, wants to
trade. How about it, ASWLCers! 7W, Eng
rpt, tape, 1 IRC. (Marshall, Ont.) C & L;
/s/ Mrs. M Britto, says OK to rpt in Eng.
18D air. MS. (Sparks, CA)

CHILE: CE959, R Pres. Balmaceda, 9590: C,
no /s/. 3W, IRC. ASWLC Sp rpt. (Marshall)

COLOMBIA: HJCQ, R Nacional, 4955: PC w/
full veri -8 $\frac{1}{2}$ air for tape, 2 IRC (Mar-
shall) Likewise for HJZM, 9635: PC of
church built from salt mine. 4M, 2 IRC.
(West, CA) HJDH, R Colosal, 4945: L,
pleasant but very late, very attractive
pennant. /s/ Rafael Navarro T, Gerente.
No details, apologized for delay. 20M air
(Wood, HA)

ECUADOR: HCJB, 11965: bird & fish C, /s/
Herbert Jacobson. 45D s. No RP. (Benton,
AL) For 11765: Inca bird C, last in series
oof 6, also sked & stand-up calendar (nice!)
22D air. 3 IRC. (Gaynor, MI) HCEH3, R
Nacional Progreso, 4730: L + pennant, /s/
Efrain Herrera Guerrero. 14D air, ms.
(Sparks)

GUYANA: R Demerara, 5980: C, full veri /s/
J Jaer (?). 10D 1 IRC. (Marshall, Ont)

PERU: OAX8F, R Atlantida, 5180: L + pen-
nant & stamps. Veri statement only. 16M.
NASWA Sp rpt form + ms. (Kamp, TX)

URUGUAY: CXA19, El Espectador, 11835: after
2nd try, C w/ full data (hurrah!) in Sp.
Also pennant. 35D air. Sp rpt, IRC.
(Koukol, IL)

VENEZUELA: YVLK, R Rumbos, 4970: PC of
Caracas w/ full veri in Eng. 16D air,
ASWLC Sp rpt & IRC. YVMS, R Universo,
4880: blue/wh C of Barquisimeto net
stns, full veri. 3W air. YVMO, R Lara,
4800: same C as R Universo - 2W. (Marsh-
all)

AFRICA (A Switch !)

ALGERIA: RTA, 9510 & 11835: C.70D (Hall)

ANGOLA: A Voz de Angola, 5960: color PC
w/ full veri in Eng. 25D air, IRC.
(Koukol) Same, PC of Lobito airport.
26D. (Martin, DE) PC of Nova Lisboa -17D
ASWLC Pt rpt, 2 IRC. (Marshall, Ont)

BIAFRA: V of Biafra, 6145: L /s/ P C
Chigbo gives date, veri statement. 1M,
3 IRC. (Kamp, TX) Same from Abidjan w/
tnx & details of shutdown on 12-14 Jan.
Mimeo L: date inserted but no time or
freq as requested. (Marshall, Ont.)

CONGO, D R (KINSHASA): Lumbumbashi PTT,
19430 (U): L in Fr w/ freq /s/ G Katem-
bwe. 28D regist air. Fr rpt, no RP.
(Koukol)

CONGO REP (BRAZZAVILLE): R Brazzaville,
15445: folded map/mask C & Xmas C -82D
air. Eng rpt, IRC. (Benton, AL)

DAHOMY: R Cotonou, 4870: colorful C, all
data except freq, + sked. 11D air. Fr
rpt, 2 IRC (Koukol)

GHANA: GEC, 11850: regular C -1M 3 IRC
(West, CA) 4980: red/yell/grn border C
30D sea. 3 IRC. (d Adolf, Marshall Is)

KENYA: 5ZF, Mombassa R, 13065 (U): PFC
& friendly L /s/ D A Young, Eng. Pwr
250W CW. 14D air 3 IRC. My greatest
accomplishment to date. (Coombe, NJ)

MALI: R Mali, 4835: map C, full veri in
Fr w/ Eng tnx on bottom. 73D air. Fr
rpt, 2 IRC. (Koukol)

NIGERIA: V of N, 15365: 2 different C's,
for same rpt -2nd 6M later! 1st "seal"
C, 2nd "flag" specified Ikorodu xmtr.
(Jarasius, IL)

RHODESIA: Rhodesian EC, 5012: "antelope/
Salisbury street" C /s/ E McKenzie. 10D.
(West, CA)

SAO TOME: CQK55, 18357 (U): L in Pt, full veri - 45D. Rptd CW test. (Coombe, NJ)

SEYCHELLES: FEBA, 15265: wh/blue letters C + L & religious info. Full data. 26D air. 2 IRC. (D'Adolf, Marshall Is.)

SOUTH AFRICAL R RSA, 9715: yellow "activities" C, freq sked, L folder, booklet. 16D air. (Benton, AL)

SUDAN: R Omdurman, 4994: Form L in Eng-veri statement only, sked. 15D air. 2 IRC (Koukol)

TOGO: R Togo, 5047: map C in Fr, all details. 3W ASWLC Fr rpt, IRC's. (Haynes)

TUNISIA: RTT, 6195: color PC of Tunis, full veri. 15D air. Eng rpt, 2 IRC. (Koukol)

U A R (EGYPT): R Cairo, 1475: Tri-maiden C from Propagation Dept. Sked. 49D. (Martin)

UPPER VOLTA: R Ouagadougou, 4815: C gives date, time, veri statement. 9M. NASWA Fr rpt, 3 IRC. (Kamp, TX)

ASIA

CHINA, P R: R Peiking sent unrequested lit after 3M, no QSL. Help! (Seymour) Sometimes send C, very sporadic though.

ISRAEL: Kol Israel, 9009: blue "antenna" C. 50D sea. No RP. (Benton) "Jerusalem painting" C & sked- 5W air. 2 IRC (Seymour)

KUWAIT: R Kuwait, 15150: folder, no data- 2M air. 2 IRC. (Kinnaly, MA)

NEPAL: R Nepal, 11970: white C, all info; sked./s/ K B Khatri (CE), 16D air. Registered air rpt, 5 IRC. (Koukol)

PHILIPPINES: PBS, 6170: C. 186D. (Hall, MA) R Veritas, 15170: wh/blue "geometric" C & L. 30D air. Returned 2 IRC. SEARV, 15-420: red letters C + L. 19D air. 2 IRC. (d'Adolf, Marshall Is.)

SINGAPORE: R Singapore, 11940: 6. 1M. 3 IRC. (Kamp, TX)

THAILAND: Thai TV R, 7107: L in Eng, full data /s/ Mr Chii Na Lampang. 22D air. 3 IRC. (Sparks, CA)

TURKEY: R Ankara, 15160: "musician" C, full veri. 138D air. 2 IRC. (Buckley, NY)

OCEANIA

AUSTRALIA: VLW, Perth: usual AEC map C, thick prgm sked for ABC 3rd Ntwk. 3M sea. No RP. R Australia: "Koala Bear" C + rpt forms. 2M sea. No RP. (Seymour)

NEW ZEALAND: ZL21, 15110: "Globe" C -120 D sea. 2 IRC. (Jarasius) 15280: same + nice booklet on N.Z. 3M sea. 2 IRC (Marshall)

PAPUA TERR.: VL8AS, Milne Bay, 3235: folder w/ veri statement, no data /s/ D Edoni for Stn Mgr. 8D air. 3 IRC. (d'Adolf, Marshall Is)

SOLOMON IS, AUSTRALIAN: R Rongauville, 3322.5: L from Geoffrey N Heard - veri statement only. 7½M. 3 IRC. (Kamp, TX)

EUROPE (Finale)

AZORES: Em. Regional, 4865: C? 31D (Hall)

GREECE: SZF19, 21784 (U) Hellenic Telecomms: large green C, full veri. After 2 yrs, 7½M ! Rptd SSB test in Eng, 3 IRC. (Coombe, NJ) Glad your'e patient!

LUXEMBOURG: R Luxembourg, 6090: "Shield/towers" C, full data. 2M. (Martin, DE)

RUSSIAN SFSR, EUROPE: R Peace & Progress yell/red/wh C. 3M sea. IRC. (Marshall)

YUGOSLAVIA: R Belgrade: photo C, sked, pocket calendar, book - 3½M air. No RP. (Seymour)

And THUS we are out of stencil & had to chop a bit. Sorry about that. We may have to try alternate continents in alternate "SWL's" for awhile.

CREDITS & THANKS THIS TIME TO 20:
CARL BENTON, JR., University, AL; J M BRADLEY, Daytona Beach, FL; BILL BUCKLEY, WPE2RDI, New York, NY; CHAS N COOMBE, Trenton, NJ; STEVE d'ADOLF, KX6PE1B, Marshall Islands; ROBERT W FISHER, Los Angeles, CA; LES GAYNOR, Oak Park, MI; DR. EARLE HALL, Winchendon, MA; ROY HAYNES, WPE6HE1, San Jose, CA; ARVIDAS JARASIVS, WPE9JFS, Lansing, IL; STEVE KAMP, Irving, TX; PAUL KINNALLY, WPE1HRJ, Dedham, MA; MARK KOUKOL, Naperville, IL; CEDRIC MARSHALL, Toronto, Ont.; BILL MARTIN, Wilmington, DE; WOODROW SEYMOUR, Sanford, NC; SONEFF; SPARKS: WEST & WOOD !

ASWLC

MARCH 1970

ASWLC

QSL

Associate Editor: Gary Steele, WPE8KEQ

QSL

CORNER

Correspondance to: 290 Elmside, Benton Harbor, Mich. 49022

CORNER

Deadlines at Benton Harbor ONLY: March 26 and April 23rd.

Welcome back to the Features section of Q-C for a second month. Unfortunately, I was slightly disappointed with the amount of letters received here; I will blame it on the late "SWL" delivery coupled with an early deadline (15th); hopefully there'll be many more this month. And, please, adjust to Q-C's changes; virtually all questions and comments will be taken care of via this section of the column—sending questions and so forth to Bill's QTH will most likely delay a reply, as these are forwarded to me. And vice versa, I can't handle the QSL reports.

MAILBOX

Jack Tordoff, of California, has also sent in some comments about his experiences with tape-reporting to supplement the article presented last month. While there isn't the room to list everything - Briefly, Jack's sent 25 tapes out so far, and has received 19 QSLs in return, quite a good percentage. His equipment consists of a Heath TR1A and a Viking F75 deck. He sends his tapes at 3.75 ips, one side only on 2.5 or 3 inch reels. One good point made- Don't send a tape that you can't copy to stations- his ear isn't as trained as yours may be! Tnx FB letter, Jack.

Richard Wood-Hawaii* also has sent a note about tape reporting. It concerns the sending of tapes to the larger, government stations, in this case the BBC..."This is what I would call needless escalation. All he got was the usual card, anyway. A DXer wasting money sending tapes and 4 IRCs to a semi-government station like the BBC, which is paid for by taxpayers, is just making things difficult for other DXers....." Exactly how this is causing difficulty for others, I don't see. But, your point about wasting postage and IRCs is obvious; the BBC is an excellent "acknowledger", and with its own monitoring setup it really doesn't need the extravagant reports. And the point of enclosing 'RP' can be extended to other large, well-financed broadcasters- R Moscow, R Nederland, Deutsche Welle, etc. The listener's intent is usually appreciated, but it isn't always needed.

Cedric J. Marshall, of 429 Russell Rd, Toronto, Ont, Canada: (New to Q-C) Sends along one of the best 1s reports seen in quite awhile. He is near the 100 QSL mark, but needs help with a few stations that aren't replying. They are: R Abidjan; La Voix de la Revolution, Rep of Guinea; R.T. Congolaise in the Congo Dem.REP.; and R Difusora Nacional de Nicaragua. If there is anyone that has some info on these station to help QSL them, drop Cedric a line. And also (this has been bugging me) is there anyone that can identify the station heard on 4882.75 kHz from 0515-0605 GMT? It plays a piano march IS, interrupted at 0530 with what seems to be the 5-numeral code and at 0600 with a very brief announcement—both in an unknown language similar to Arabic. My guess is one of the abundant spy-stations.

SURVEY OF QSLs and Verifiers:

We are asking you to give us some answers to some of the QSLing questions that many ask. Therefore, I'd like to have you fill out the answer to the following questions & mail them back before April 23:

- 1) What verification that you now possess is the MOST ATTRACTIVE? (Specify station)
- 2) What verification gives the most complete verification text?
- 3) What station earns, in your opinion, the "best verifier" status?
- 4) What country would you most like to log and verify (specify station)?
- 5) Is there any station that has proved very difficult to verify; one that will not QSL or does so after many reports?

When sending in your answers, also give us the following info: (Also for the QSL LADDER)

Countries verified (VIC) Countries Hrd (HIC)
Stations verified (VIS), % of reports that have netted a QSL, Reports out (RO)
Favorite QSL, and Make/model of receiver + antenna.

I'm almost out of room.... Hope to hear from YOU next month & until then,
Good DX & QSLs.....73, Gary

Editor: Chuck Sadoian - 382 Vermont Avenue - Dinuba, CA 93618 Deadline: Mar 28

Charles N. Coombe - 1814 Greenwood Avenue - Trenton, NJ 08609

First off, put me down as 100% PLUS in full accord with the ISWC 'Jammers' article (FEB issue) in it's entirety. Over two years ago I proposed a boycott of the same dimensions, but the ASWLC couldn't "see it." My argument then is the same as now. Who needs the USSR, RBI or Peking? What for? Does a QSL from these atheist butchers mean more to anyone than their self-respect toward decency? There is no place in the hobby for this type of SCUM and it's no accomplishment to verify these purveyors of round the clock "Hate USA." They are heard round-the-world and a ruination to your listening pleasure. Wake up ASWLC and lower the boom on those that have sworn to "BURY YOU."

Glenn Hauser - FR 448 42 7204 - Box 1466, 388 CSG AFTN - APO San Francisco 96288
(Reporting from Thailand--ed) I'm just as opposed to jamming as anyone--but I think the ISWC's tactics in fighting it are silly and self-defeating. Let's face it--jamming is an international political problem...and it will be solved by politicians, not by a handful of SWLs. I say "SWLs" instead of "DXers," since the ISWC people behind the drive obviously aren't DXers...Any SWL can pick and choose the stations he likes to listen to; a DXer requires the maximum amount of information about ALL stations in order to monitor the bands effectively. Ignoring certain offending countries isn't going to make them go away. Furthermore, listening to, reporting to, and reporting about them is a privelege we have in the free world. The jamming countries are far more concerned with controlling what their own populations can hear than with a possible decrease in reports from abroad for transmissions that never reach a significant fraction of the population, anyway. Note that ISWC does not present any evidence that their 20-year campaign was responsible for the cessation of jamming by some countries. There are some notable omissions from ISWC's blacklist--NASWA and virtually every other American DX club, and many other DX programs, including Radio Nederland's. ISWC may manage to struggle along without most of the names on their blacklist, but how they do without the WRTVH is beyond me!!

Ron Honig(WPE8KBO) - 8108 Lamphere - Detroit, Michigan 48239

Have a comment or two about the FEB DX FORUM. First, the ISWC has a lot dang gall blacklisting the ASWLC and other clubs for listing 'jammers' in their shortwave listings. The idea of many shortwave clubs is to provide FULL coverage on the SW scene. How can this be done if clubs follow plans like the ISWC's. The individual SWL can decide what he wants to listen to. Besides, isn't it better that these countries are just 'jamming' each others broadcast instead of really fighting it out(bullet-wise, I mean)? I have one other thing to say to the ISWC: May your plates glow cherry red! In regards to Jack Widner's comments about the DX FORUM: Why not have a 'Meet the Members' settion since, as you said yourself Chuck, most of the reports fall along that heading? 73 and 77 to all.

Chuck Sadoian - 382 Vermont Avenue - Dinuba, Calif 93618

A real good section this time, but I still could use a few more reports. I've decided to lift the 20 line limit and just stick with a "up to the reporter" policy. If I recieve a report that is a little long(and if there is sufficient space), I will go ahead and print it. If there is not enough space, I will either hold it over for an issue, or edit it a bit. Several members have been commenting on just what the DX FORUM should contain. I have no real policy on this, because I prefer to leave that up to whoever is reporting. It makes no difference to me what 'type' or report you submit, just as long as you submit something!! If you would like to introduce yourself to the membership via the FORUM, then by all means do so. I think everyone will enjoy reading it, and it stands to reason that the membership will get to know you better. Say, for example, you have a brand new reciever, and some one else is in the position to purchase the same type. If he knows that some one else already has the reciever, he can write to you and you can help him out by telling him how it preforms. In short, this column is for the membership to use, and I wish that every one would use it! The ISWC article in the FEB issue attracted some fine comments, and if I run accros some other articles, I will print them also. If any of you come across some articles that would make some good discussion in the FORUM, please send them to me and I'll print them and see what happens. Till next month, 73, good DX.

Editor: Robert LaRose, 172 College Complex Circle Apt 6, Rochester, NY 14621

In most of North America winters are hard on antennas. With spring finally approaching, many DXers will start thinking about refurbishing or replacing their antennas. This month we are starting out by telling you about new new antennas that are worth looking into.

Perhaps the biggest news is the SWV-7 vertical from Mosley. The SWV-7 is a trap vertical designed for operation on the 11, 13, 16, 19, 25, 31 and 49 meter bands. The antenna consists of a 13 ft 3-5/8 inch vertical element which contains the proper traps to resonate the on the mentioned bands. The element can be mounted directly on the earth or above ground (on roofs, etc.). When mounted on the earth in a region of good conductivity soil, a single ground rod is supposed to be connected to the base of the element. When mounted above earth, or in regions of poor conductivity soil, ground-plane radials are suggested. A total of seven of these are required, the longest being 38 feet long. From my past experience it would seem that such an antenna may provide satisfactory performance without the use of radials. In such a case there should be a good ground connection, of minimum length, connected to the point that the radials were to be connected. The new antenna is priced at \$35 and should become available in the next few weeks. (That price above should read ABOUT \$35).

The "TRIK-STIK" is another antenna antenna which, in many cases, can improve the reception of those who are limited in antenna space. The antenna, manufactured by Cush Craft, consists of two telescoping aluminum elements which can be adjusted to any total antenna length between about ten and twenty feet. Though basically designed for use with coaxial lead-in as a tuned antenna between 27 and 150MHz, the use of unshielded 300 ohm (TV-type) lead-in will provide satisfactory reception across the SWBC bands. A unique mounting bracket allows mounting in either a vertical or horizontal pattern (to meet available space requirements). Tests made by your editor in conjunction with an antenna tuner (the Joymatch) showed that the performance satisfactory when compared to several medium length longwires. Antenna tuners are a must with the ~~xxxx~~ antenna if satisfactory reception is to be expected. Abt \$7.

For more information on the above contact the manufacturers (Mosley Electronics, 4610 N. Lindbergh Blvd., Bridgeton, Mo. 63044; Cush-Craft --address unknown) or contact SWL Guide (Todd Graves, 4114 Newcastle Rd., Syracuse, N.Y. 13219).

SX-133 Several months ago the SX-133 was discussed in this column. At that time I said that this unit was probably just the old SX-130 in a new package. Well, Hallicrafters has finally come out with a service manual for the unit and my thoughts were correct. The SX-133 is, in fact, the old SX-130 with the exception of the cabinet and bandspread dial and the addition of provision for a crystal calibrator and \$50 on the price.

DX-150 Still more comments have been coming in on this receiver. Anthony Marks of La Grande, Ore writes:

"I've got Gary Goltz beaten. I wrote Radio Shack about a bandspread change back in September. I also wrote to Ft. Worth, Texas. They in turn sent my letter to Garden Grove, CA. and they sent my letter to their manufacturers in Japan. In December I got a letter from them saying that they would let me know if they decided to change the unit. No QTH for Japan, but the place one should write would be:

P.T.O.

 FINAL CARD SWAP CONTEST SCOREBOARD

Listed by Name, Call (WPE deleted)	States/Additional	Provinces/Additional	Total score
Bundy=KC6-12972 54/377 10/28	725	Shinn=VE4PE1C 43/58 9/13	231
Jaradius=9JFS 54/259 10/38	617	Adkins=6HEV 34/23 6/1	224
Eisinger=7COQ 54/174 10/14	508	Newlon=5EZA 23/46 8/8	209
Mickes=7CVF 49/127 9/23	440	Moser=9ASH 31/30 4/0	205
Honig=8KBO 50/126 8/5	421	Hulse=3HMD 35/11 1/0	191
Laurier=2QHP 48/102 8/14	396	Marquardt=9JNZ 25/19 2/1	155
Estand=5FAV 52/34 11/12	361	Hammer=8JIC 24/3 6/1	154
Schapiro=3HTD 50/42 9/13	350	Gac=8JST 22/3 3/2	130
Shankland=6ERL 46/41 1/3	329	Lamb=4KGV 12/1 3/1	77
Penn=4KAP 47/44 7/1	315	Goonetilleke=VS7PE1B 9/3 3/2	65
Northam=7CME 45/72 0/0	297	Zussman=7BO 1/0 0/0	05
Davis=6HFB 47/31 0/0	266		

 WINNERS

- 1st Place: Bob Bundy=KC6-12972 Two year membership in ASWLC
 2nd Place: Arv Jaradius=WPE9JFS One year membership in ASWLC
 3rd Place: Bill Eisinger=WPE7COQ 200 Custom QSL cards
 4th Place: Mike Mickes=WPE7CVF 100 Custom QSL cards
 5th Place: Ron Honig=WPE8KBO ASWLC Rubber Stamp

 Congratulations to the winners! All winners have been notified of their awards by direct mail. Thanks to all of you who participated. I hope you had fun, gained a lot of new friends and added to your swapping awards and collections.

With the ending of the contest, we also ring down the curtain on Card Swap Unlimited. This column will be discontinued, making room available for other features to be expanded in accordance with ASWLC's new policy: Specialization in SWBC and UTILITIES interests.

For those of you who wish to continue reading about card swapping activities and scanning lists of swappers, I would like to suggest looking into the possibilities that my own venture, SWAPS NEWSLETTER, affords you. Drop me a line for full details. No obligation, of course. Sample copies are only a dime, stamps or coins.

It has been a pleasure to serve you as CSU Editor for the past year, plus. Do let us keep in touch, one with another.

In closing, I wish to thank Executive Editor Stewart MacKenzie for his help and cooperation in making the Card Swap Contest an actuality. I wish ASWLC's new Board of Directors continued success in making ASWLC the NUMBER ONE CLUB in the nation. Last, but certainly not least, I would like to express my appreciation for the fine support received from card swappers, everywhere.

Good swapping and DX-ing.

Hal.
 Harold A (Hal) Morgan
 800 South Sullivan G5
 Santa Ana, CA 92704

ASWLC MEMBERSHIP FORM

All members please complete this form and return promptly to:
 Art Glover, ASWLC President,
 2318 S. Laurel, Port Angeles,
 Wash. 98362

Birthdate _____
 Name and Address _____
 Occupation (If retired, so state and list former occupation) _____
 Employer _____ Position _____
 Club affiliations _____ Active in hobby since _____
 First joined ASWLC _____ (yr)
 ASWLC staff or official positions held (with yr.) _____
 Other radio club positions held (with yr.) _____

ARE YOU WILLING TO ACCEPT AN ASSIGNMENT WITHIN YOUR FIELD OF INTEREST? Yes _____ No _____

Please indicate areas of proficiency and possible contribution (check all that apply).

Staff Categories

FUNCTIONS

Business manager _____
 Publisher _____
 Exec. editor _____
 Editor _____
 Assoc. editor _____
 Secretary _____
 Treasurer _____
 Tech. writer _____
 Non-tech. writer _____
 Typist _____

Administration _____
 Printing/Publishing _____
 Accounts/Record keeping _____
 Fund raising _____
 Publicity _____
 Advertising _____
 Editing _____
 Writing _____
 Typing (incl. stencils) _____
 Legal advisor _____
 Translator (state languages) _____

HOBBY INTERESTS (Specialized proficiencies)

Equipment

Mode

Receivers _____
 Antennas _____
 Calibration _____
 Propagation _____
 Construction/design _____
 Other _____

Ham (ARO) _____ Class of Lic. _____
 CW _____
 CB _____
 UHF _____
 LF _____
 Other _____

HOBBY INTERESTS, General (Check all your interests)

DXing _____
 SWBC _____
 BCB _____
 Utilities _____
 QSL collecting _____
 Stamp collecting _____
 Card swapping _____
 Awards/Contests _____
 Monitoring (Tech. reports to stations - NOT for QSLs) _____
 Other _____

Please describe how you think ASWLC should improve or expand its service to the membership: _____

Please indicate how you would like to help: _____

DX-150 (CONTINUED)

Radio Shack
 Attn: M.W. Wilhelm
 7340 Lampson
 Garden Grove, CA. 92641

It may be faster. I just asked them to make an alternate dial which can be put on in place of the present one, which comes off by loosening a screw. It would be fairly simple to replace the present one this way. The difficult thing would be to have the engineers calibrate such a dial for us. I came right out and told Radio Shack that the DX-150 was a much better General Coverage Receiver and much better for SWLs than as a Ham receiver. So, why calibrate the bandspread for ham bands and ignore the SWL? They may think about that over in Japan!"

RECEIVERS--SOMETHING TO THINK ABOUT This letter comes from Dwight Sunday of Three Rivers, Mich.: "I read with interest your discussion on the way manufacturers have ignored the SWL. I like to remind you of the series of radios that NATIONAL made at the start of the sixties. I'm familiar with the NC-190. It had, as you requested, a bandspread dial that by a simple turn of a knob was SW calibrated. I found it accurate, selective and just about anything you could want. The Ham's didn't like it, the SWLs didn't like it and that was the last of that National made receivers in that price range. Since then I have heard SWLs complain about not being able to have a receiver such as this. Maybe we ought to write National and have them give another try to the receiver.....I at present own an HQ-200, which I find a good receiver. I wrote Hammarland and they explained their chart on using and extending the logging chart that was listed in the manual. Once you know this you can set up charts and this becomes a very usable receiver. I have found most manufacturers will go out of their way to help us.....I do feel that you were a little overly critical over a condition that the SWL created himself."

Thank you for your comments. What you have said is very true. However, the SWL and the market he creates have changed radically since the days of the NC-190 (which I am not familiar with). The number of SWLs had probably increased at least four fold. The advent of the \$100 Japanese receiver has changed the market. What we've all got to do is stop being critical and START BEING CONSTRUCTIVE. This was somewhat the purpose of the DARE article. I have it on good report that at least one manufacturer is working on a truly good general coverage receiver that will be priced under \$300. This is at least a start. If manufacturers can't be convinced that the SWL market is significant, then we are all at fault.

FREQUENCY MARKERS This area, which was for a long time stuck in the never-never land of "status-quo" as far as the bigger manufacturers were concerned, has recently received some attention for two small new companies. Here is a run-down on two of the available units.

A) TBL 1 FREQUENCY MARKER Provides outputs at 5, 10, 25, 50 and 100kHz up to 50MHz. Requires 3 to 4 volts DC. PRICE: \$16.50 (as a kit) or \$19.95 (wired & tested). It can also be purchased in a small cabinet for selection of output frequency (I should say there is a switch) This goes for \$29.95. In neither cases are the crystal or batteries incl.
 FROM: THE RADIO SHOP, LAB 1, 48 ELM ST., NEW CANAAN, CONN, 06840.

B) "The Splitter" Provides outputs at 5, 10, 25, 50 and 100kHz up to 14MHz. Requires 5VDC. Price \$18.50, complete including crystal. A switch is available (to choose the output freq.) for \$2.00
 FROM: DIGI-KEY, BOX 27146, MINNEAPOLIS, MINN 55247. That's all for now 73s

Sister Club: CEYLONESE SWL CLUB is the official "sister" club of ASWLC.
CSWLC; Victor Gooverilleke, "Galle Walauwa", Piliyandala, CEYLON.
Every 2nd Saturday of the month at 1100-1110 GMT, the CSWLC presents
"DX-PANORAMA" Listen!!!!!!! In English on 17.830 kHz.

HCJB - ASWLC Radio station HCJB uses "SWL" as it's official news source over the
"DX PARTY LINE". Tune in at 0230-0300 GMT on Tuesdays ... 15115 -
11765 & 9745. 1930-2000 GMT on Tuesdays ... 21460 - 17880 & 15115.
0930-1000 GMT Wednesdays ... 15325 - 11915 - 9745 & 6050.

ABC - ASWLC The Ray Briem Show heard nightly over KABC-am 790kc in Los Angeles.
Midnight to 0500 PST 0800 - 1300 GMT. Listen and Soon.

A.N.A.R.C. The ASWLC is a member of the Association of North American Radio Clubs.

A.R.E.A. ASWLC is a member of Amateur Radio Editors Association.

A.F.C.E.A. ASWLC is a member of the Armed Forces Communication & Electronics Ass.

A.M.S.A.T. ASWLC is a member of the Amateur Satellite Corporation

ASWLC annual dues are \$7 via First Class Mail. Sample bulletins @ 50¢ first class.

POSTMASTER; Return to
16182 Ballad Lane
Huntington Beach
California 92647

FIRST CLASS MAIL



John F. Finckney WPE4KJA
2903 School Street
Alexandria, VIRGINIA
January 22303
FIRST CLASS

FIRST CLASS MAIL

FIRST CLASS MAIL

"He stretcheth out the north over the empty place, and hangeth the earth upon
nothing." Job: 26:7 "Which maketh Arcturus, Orion, and the Pleiades, and the
chambers of the south." Job 9:9 "Canst thou bind the sweet influences of
Pleiades, or loose the bands of Orion?" Job 38:31.

ASWLC --- The Only Way To Go



"ASWL" C



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11 No. 5

FOUNDED: DECEMBER 1959

APRIL 1970

DX Party Line

This popular dx program has been moved up to 0330-0400 GMT from 0230 GMT. This is for the Tuesday GMT transmission only, (Monday PST). The station welcomes your comments on the new time slot. Frequencies remain unchanged. A complete new program schedule will be available in May 1970.

Ed Steele of HCJB announces that a new language is now being broadcast over HCJB shortwave facilities. Hungarian was added the first of March. It is broadcast at 12:15am daily on the 31 meter band and is beamed to Europe. With the addition of Hungarian HCJB now broadcasts in 16 languages, 51 hours a day with 370,000 watts of combined power.
(Direst from HCJB's "ECHO")

DX - FORUM

Chuck Sadoian, editor of this fine column is looking for feature articles to appear in the DX Forum. I urge all members to keep your eyes open and if you see an article of interest to the hobby, then send it to Chuck. The DX Forum is your arena for subjects dealing with our hobby. You will never find an answer until you ask or make a comment about it. So now is your chance to send that letter to the DX FORUM.

Atwater Kent

Member Gerald Arrington, 8585 East Dinuba Ave., Selma, Calif-93662 is seeking info on Atwater Kent BCB rcvr model 42. He recently purchased a chest type radio at a local auction. The radio works but the sound is weak and scratchy. Can anyone help out Gerald? The radio uses the following tubes; 1st RF UX226 or CX326, Rectifier UX280/CX380, 2nd RF UX226/CX326, 3rd RF UX226/CX326, Detector UX227/C327, 1st & 2nd Audio UX226/CX326. Anyone know the modern day designations for these tubes? If you can help then contact Gerald as soon as you can.

January "SWL"

Member Henry M. Slade, 136 Tamarack St., Vandenberg AFB, Calif-93437 is looking for an unused copy of the January 1970 "SWL". If you have a copy you no longer want then contact Henry soon or if you can lend him a copy that would be good too. He can have it xeroxed and returned to you quickly. Let's hope that Henry and Gerald will be swamped with help from the membership of ASWLC, the Friendship club.

Radio Portugal

Your Editor wishes to thank Radio Portugal for the fine pennant sent to the club. Radio Portugal has competition going on dealing with wines of Portugal. The prizes have been increased from three to twelve and you can write your essay in your own language. For further info write to 570 5th Avenue, New York, NY-10036 or better yet listen to Radio Portugal on 15125-11935-6025 at 0200-0245 GMT. 0345-0430 GMT on 15125-11935-6025. Also 0300-0345 on 11840.

FOR SALE FOR SALE

Your editor has two items for sale that I no longer need. Both items were briefly mentioned in the March issue. Item one is the BUD Radio Inc Frequency Calibrator FCC-90B. This handy piece of equipment gives you tone markers for every 100kc. It operates on 115v60cy and is easily connected to your antenna. It comes ready to use. Price: \$10 postpaid. Item two is a monaural tape recorder and is in good working condition. This portable recorder uses two speeds of 3 3/4ths and 7 1/2 ips. It was made by Webcor, model #2302. Uses up to 7" inch reels. It comes complete with original instruction booklet. Price: \$50 ppd. Make checks payable to "ASWLC".

Your editor now uses an Allied TR1049 4-track stereo tape recorder. The Webcor recorder will be of great value in taping off the air for those hard to get QSLs.

PROPER REPORTING GUIDE

This special publication of ASWLC is still available to those interested in improving their skills in our great hobby. For ASWLC members only, the cost is \$1.30 USA. Non-members at \$2.05 via first class mail. Add 50¢ for Air mail.

A partial list of the contents are as follows: Reporting, A Mutual Responsibility, The Broadcasters View, The Hobbyist's View, Reporting Around the World, Follow-ups, The Written Report, The Tape Report, Pattern Letters in English-French-Portuguese-and Spanish plus much more. The publication runs over 40 pages in length. This is an excellent guide for those who want to increase their QSL veries and for those who want to write reception reports. All this just for \$1.30. Order your copies soon. Order from Headquarters and make all checks payable to "ASWLC".

Club News

Denmark Shortwave Club (DSWC) will hold its annual convention on Saturday 25th of April 1970 in Arhus, Denmark. Hope that our european members will be able to attend. We of ASWLC send our "greetings" to all of those attending the convention.

BAKERSFIELD

Member George James of 905 Hill Street, Bakersfield, Calif-93306 would like members in the Bakersfield area to contact him to do some chin-wagging and swapping tips etc. Here is a chance to have another ASWLC meeting and a chance to meet fellow swlers in your local area. Contact George as soon as you all can, possible today or sooner.

Visitation

Visitors welcomed at headquarters during March were the family of David Thorne, WPE6QZ of Santa Ana, California. David and I spent an hour chatting about ASWLC and our respective radio equipment.

Postal Increases

It is Sock-it-to-you time again. As you have read in the press, heard on radio & tv the postal workers have won an 8% pay increase plus a 6% general pay increase, totaling a whopping 14% pay boost upon the approval of congress. The govt has all ready stated that postal rates will go up in order to pay for the illegal strike gains. This means that the cost of operating ASWLC will go up since we primarily use the US Postal system. This can lead to a dues increase or a cutback in weight with "SWL". Large increase will be made in third and 4th class mails. At present the monthly total postage bill for ASWLC has been between \$92 & \$100 per month. Supplies are around \$60 per month.

The postal increase is coming BUT you as a concerned member can write to your congressman and urge him to tie in with the postal increase, postal reform. This is long over due and now is the ripe time to act. If you do not we will continue to have poor service at a higher cost.

As an ex-postal employee, I know of the low payscale. Changes should be made to bring postal workers pay checks uptodate. I also know that changes must be made in the operations of the PO to bring it into this century. Poor service and feather-bedding is no substitute or excuse for higher postal rates.

The Proper Reorting Guide is available from headquarters. Order your copy soon.

TUBES

The 1970 Popular Tube/Transistor Substitution Guide (TAB BOOK #525) has just been published this past March. It contains 40% more material, including the newest popular tube and transistor types, than the 1969 edition. The guide lists 99% of the tubes/transistors ever needed to be replaced. Includes American substitutes for foreign tubes/transistors. You can order your copy for \$2.95 thru TAB BOOKS, Blue Ridge Summit, PA-17214. Mention your from ASWLC when ordering your handy guide.

About the clubs

SN - Swaps Newsletter. If you are a card swapper, then this club is for you. Here is your own special club dealing exclusively with card swappers. Dues are #2 per year via First class. Further info available from Hal Morgan, WA6NXW, 800 South Sullivan G5, Santa Ana, Calif-92704.

Also via SN comes the news that RADIO TODAY should now be in the mails. You should have your copy by the time you read this in "S'L". This magazine will lean in the direction of the greatest number of subscribers and their allied hobbies. Get the message???

CSWLC - Ceylonese SWL Club now in its fourth has published an excellent bulletin for the month of March. Here is the club for you to log/verify those elusive asian stations that everyone else but you hears. Dues are \$3 via Airmail.

57%

That is how much First Class Mail will be increased, 6¢ to 10¢. Third Class single pieces will go up 67%, Parcel Post only 15% and your friendly bulk mailing "junk mail" will be increased an incredible 5%. So again the general public will foot the bill. Business as per usual gets off lightly yet they depend on the PO the most. If this increase does become law, then ASWLC along with the other clubs will either have to increase dues or curtail on club services and or publishing chores. I urge you to contact your congressman soon, like now. Let him know you want postal reform first, then postal increases later if necessary. Act now before it is to late.

BCB-I

Bill Migley, who has edited the BCB International column for the last fours has found it necessary to give up his editorship due to increased school work. I regret that Bill must leave editing for a spell. He has made the BCB-I the best bcb column that this club has ever had in its history. He has done his job very well and I personally wish to say, "thank you, Bill". I am sure that the membership and offices of this club all share the same feelings.

I will for the time being hold off naming a new editor until I am sure how the postal situation is going to turn out and how it will be effecting "S'L". And again to you Bill, many thanx for being a part of our team at ASWLC.

In losing an editor we gain another. Robert W. Fisher of Los Angeles is the new editor for the Asia/Ocena section of "SWR". The present editor, Art Glover is stepping down so that he may have more time to concentrate on BOD matters. I am sure that Bob Fisher can carry on the tradition set by our "SWR" editors. I take this opportunity to welcome Robert to the team. We hope your stay will be a long and fruitful one. (see further announcement in the -swr- section.)

Do not forget to report to your favorite columns. Share your tips with others. When writing editors and where you want a reply besure to enclose stamps for an answer or an SASE -- Self Addressed Stamped Envelope.

To our Eastern Orthodox friends we join them in good wishes for their Passover, Palm Sunday, Good Friday and Easter during this month of April 1970. PEACE

ANARC REPORT

By ASWLC Representative

Bill Sparks,
1100 Hearst Building,
San Francisco, Cal. 94 103

ANARC Convention: The clubs will send in their votes for the site of the 1970 Convention by the end of March. Possible locations are: Batesville, Ark., Bellwood, Ill., or the location of the IRCA Convention, which could be either Vancouver, B. C. or Detroit, Mich. I should be able to report on the results of the vote next month.

DX Census: With the data now in from the ANARC clubs, we are now going to extend the census project outside of ANARC itself. David Cheek, 10340 Glennon Drive, Lakewood, Colorado 80226 of IRCA has volunteered to look after this aspect of the census. First job will be to contact as many DX-oriented publications and programmes as possible, to see if we can get relies from DXers in North America outside the clubs. The census material will be much more concise than the form used in the clubs. Primarily names, address, bands listened, and age. Any suggestions of places in which to advertise the census would be appreciated.

Frequency Recommendation Committee: Roger Camire says that things were slow during the winter but that the committee has been contacted by RNE and will be working with them before the spring frequency changes. As tentative schedules come in, they are checked against the Geneva lists and corrections suggested. It is hoped that Radio Moscow will use suggestions this year, as they are the one country that solves the QRM problem the wrong way - by increasing power.

QSL Committee: This committee is now well back in business. Co-chairman Ed Pyatt writes that there are now 4 new members on the committee: Richard L. Murphy, 1518 Dennis Circle, El Paso, Texas 79925; Mark L. Koukol, 1223 N. Eagle St., Naperville, Ill. 60540; John Herkimer, 3255 South Drive, Caledonia, N. Y. 14423; Michael R. Lynch, PO Box 1828, St. Bonaventure, N. Y. 14778.

DXers and SWLs may direct any complaints they have about QSL policies of stations to those men as well as to Ed Pyatt (Box 510, Morehouse College, Atlanta, Ga. 30314) or Kris Lemna, 2005 Concord, Muncie, Ind. 47304. Three stations the committee plans to contact are those in Kenya, Aden and Yemen. Kris Lemna has written Iran, Guinea, Damascus and Burundi so far. Also, he and a friend have sent questionnaires to 10 Latin American stations in Spanish, asking what their requirements for a QSL are. Also, Radio Nordsee International has been written to suggest that they reply correctly to the reports they receive.

EDXC: The European DX Council is gradually expanding in number of member clubs, and in committee functioning. They have also just published a list called "DX Clubs of the World." The list is available for one IRC as long as the supply lasts from EDXC, PO Box 14110, Helsinki 14, Finland.

Smithsonian Project: The attempt to have an exhibit of veries at the famous Smithsonian Institute has been cancelled. Gerry Dexter reports that too few offers of veries were received.

The Exec. Secretary extends his thanks to all of the DXers who have volunteered for ANARC assignments.

QUARTERLY REPORT OF BOARD OF DIRECTORS

Your Board of Directors is pleased to present this first quarterly report. The first action of the Board was the election of Art Glover as Chairman (President), such action becoming effective in late November. Immediate contact was established with all Directors, including a particular request that each submit a list of items deemed important for early Board deliberation and the order in which these subjects should be considered. Since that time, the following actions have been deliberated and voted upon:

1. On 1 Dec. a motion by Director Jack White to convey Honorary Life Membership on Past President August Balbi was received. By unanimous vote the motion passed, effective 1 January.
2. A minor revision of Art. XII, Sec. 3, which required "ballots be prepared at HQ" was requested to expedite voting by the Board. By unanimous vote the revision was approved, permitting the President to prepare and mail any required ballots. Approved 1 Jan. 1970.
3. Following several months of preliminary discussion regarding certain shortcomings within the ASWLC Constitution, a preliminary draft for a proposed new Constitution was prepared and submitted for discussion. A final draft followed and on 1 Jan. a vote was called for and again, with no dissenting vote, the new Constitution was formally adopted, effective 15 Jan.. It is 5 pages in length and now provides specific guidelines to facilitate handling of Club affairs. Stencils have been prepared and we expect copies may soon be available.
4. The Jan. issue of SWL contained an innovation (Members' Opinion Survey) designed to obtain a more adequate understanding of membership desires concerning format and content of the bulletin, and to serve as a reliable guide for present and future planning. Director Jack White did an outstanding job in handling the Survey. In addition to the tabulation in the Feb. issue, he also prepared a comprehensive analysis of the information obtained and this now serves as a valuable reference for future guidance of the Board, the Executive Editor, and all Section Editors.
5. Effective 30 Feb. the appointment of Director Jack White to serve as Vice President was ratified by the Board.

In addition to the above actions, completed to date, your Board members are engaged in a continuing study of past, present, and future operations of ASWLC, evaluating a number of factors upon which future decisions must be based. Of primary concern is the matter of conducting the very considerable volume of Club business without heaping excessive workloads upon any single officer or staff member. We intend to encourage greater participation by more of the members in the conduct of certain Club affairs and functions, and to efficiently re-apportion some of those labors and responsibilities. A membership information form (Feb. bulletin) is already paying dividends. As was suspected, the membership does, indeed, include many both willing and qualified to assume a greater role both in Club management and in the preparation and content of the bulletin. The next few months will see a number of improvements as a result of this fine cooperation.

Among other subjects of present and continuing concern is an evaluation of the mail handling of the bulletin. We know some members are experiencing non-deliveries and late deliveries, but it is extremely difficult to pin-point the reasons, or even to determine accurately just how many such cases there may be each month. We offer this suggestion. Confining this only to bulletins you FAIL TO RECEIVE in the regular mailing, if you would write, giving (1) month or months of ASWLC bulletin missed, (2) a mailing label cut from a previous recent bulletin, we'd perhaps learn if these are but a few isolated instances or if the situation involves a greater number. Please send your information to: Art Glover, 2318 S. Laurel, Port Angeles, Washington - 98362. We can make no promises other than that we're working on it, and will summarize results in the next quarterly report.

We extend sincere thanks to all who volunteered assistance to their Club, and to those who replied to the Opinion Survey. We wish to acknowledge, too, the valuable assistance rendered the Board, in connection with certain other studies, by member R. J. Brown, of Albuquerque, N. M., and of course to all officers, editors, and staff for their excellent cooperation and helpful suggestions.

(For the Board) Art Glover

SHORTWAVE REVIEW

Editor (& Asia/Oceania Section); Art Glover, 2318 S. Laurel, Port Angeles, Wash. 98362

Associate Editors:

Station Data Section- Mike Macken, 64 Court Road, Winthrop, Mass. 02152

Eur/Africa Section- Chris Lobdell, 149 Walnut St., Reading, Mass. 01867

NAm/SAm Section- Carroll Patterson, 784 N. Parkwood Road, Decatur, Ga. 30030

IMPORTANT NOTICE!!!

PLEASE NOTE that the Asia/Oceania Section of SWR will have a new editor and a NEW ADDRESS effective with the next (May) issue. Instead of mailing your Asia/Oceania loggings to me for future issues, kindly address them to: ROBERT W. FISHER, 4555 FIRST ST., LOS ANGELES, CAL. 90004, the new Section Editor. Other sections remain unchanged, under the capable editorships of Mike Macken, Chris Lobdell, and Pat Patterson.

We are indeed fortunate to have a member with his capabilities and experience offer to take over this section and we're confident he will assume the task with perfect ease and without a hitch. Now in his fourth year with ASWLC, he has been active in the hobby since 1964 and, by now, you are all quite familiar with his faithful and accurate contributions to loggings columns of many club publications. He is the North American Representative of Finlands DX Club International and belongs also to the following clubs; Radio Communications DX Club, Worldwide DX Club, World DX Club, Canadian International DX Club, NASWA, DX International, and ASWLC.

I take this opportunity to express my sincere appreciation to all contributing members for their faithful and friendly support of all sections of SWR, and to Chris, Pat, and Mike for their great job in putting SWR on a good, firm footing. With increasing participation by more of the membership, we should see all SWR sections expanding in both size and quality as the months go by. My compliments to you all, and to Robert Fisher, "Welcome Aboard".

ALL TIMES=GMT

DEADLINE(Asia/Oceania Section): 20 APRRECEPTION REPORTSASIA/OCEANIA SECTIONAFGHANISTAN

4775 1405 R Afghanistan: Eng- Prog (Poor)(Fisher-Cal)

BRUNEI

4863A 1245 R Brunei: Tentative. Eastern mx (Fair)(Koukel-Il1) 7215 not hrd.

7215 1200 R Brunei: Eng- Mailbag & mx (Good)(d'Adolf-Kwajalein)

BURMA

4725 1210 BBS, XZK2: Burmese- & local mx prog (Fair)(Henderson-Md)

5040 1200 BBS, XZK42: Burmese-& local mx. (Good)(Henderson)(Koukel-Il1)

CEYLON

4870 1620 CBC: Comcl prog, requests, nx (Hauser-Thailand) 10 kw list

11800 0150 CBC: Lang- Mx prog w Eng IDs (Fair)(Adkins-Cal) 1700 (Rowell-Wash)

15120 1630 CBC: Eng- Comcl svc, nx, mx, talks (Fair)(Thorne-Cal) Welcome, Dave!

17830 1100 CBC: Eng- Nx, mx (1130-1145 Indian) (Good)(dAdolf-Kwajalein)

CHINA (PEOPLES REP OF)

15520 0100 R Peking: s/on Eng prog (Good)(Adkins-Cal) 0130 Eng (Reynolds- NC)

17605 2400 R Peking: Eng- Nx of homeland (Good)(Hicks-Cal) 0200 Lang (Reynolds)

CHINA (REP OF)(TAIWAN)

17890 0200 VOFC: Eng- Prog mx, nx (Good)(Caldwell-Cal, Rowell-Wash, Adkins-Cal)

CLANDESTINE

6034 1558 Voice of the People of Thailand, mx, ID (Good)(Hauser-Thailand)

9589½ 2320 Malaysian Liberation Radio (Hunan, China??) Hauser-Thailand)

INDIA

11710 0115 AIR: Eng- to 0115 s/off (Poor)(Adkins-Cal) Cal, Rowell-Wash)

15080 1745 AIR: Lang- 1800 Eng nx & mx (Fair)(Reynolds-NC, Koukel-Il1, Adkins-

INDONESIA (CELEBES & MOLUCCA)

7140 1010 RRI, Ambon: Lang- Pop mx prog (Poor)(Fisher-Cal)(Good)(Henderson @ 1230)

RECEPTION REPORTSSHORTWAVE REVIEWINDONESIA (JAVA)ASIA/OCEANIA SECTION

4815 1200 RRI: Lang- w IDs but location unsure (Hauser-Thailand)
 4932 1400 RRI, Surakarta: Lang- Nx & IDs. List YDG3 but not hrd given (Hauser)
 5047 1240 RRI, Jogjakarta: Lang- Mx (Fair)(Koukel-III) Here's what some are
 reporting as R. Togo, so look a little out.

INDONESIA (SUMATRA)

2379 1455 RRI, Banda Atjeh?: Islamic mx, talks, IDs, nx. 2390 list (Hauser-Thai-
 land)
 3675 1510 RRI, Pekanbaru?: Nx relay (Hauser-Thailand)
 4855 1330 RRI, Palembang: Pop mx & ID (Hauser)

INDONESIA (WEST IRIAN)

4872 1220 RRI, Sorong: Lang-pop mx, nx (Good)(Koukel-III) 1300 nx

IRAN

9022 2000 R Iran: Eng- Svc to Europe, mx (Good)(Henderson-Md)
 15088 1650 R Iran: Lang- Prog (Noted 22 Feb only - Good)(Rowell-Wash)

IRAQ

6095 1815 R Baghdad: Arabic- Mx & Ids (Hrd during eclipse to 1945)(Henderson-Md)

ISRAEL

7189 0500 KI: Eng-Nx prog. Squeezed by RFE 7190 (Fair)(Henderson-Md)

JAPAN

6155 1200 FEN: Eng- Radio play & wx (Fair)(Patterson-Ga)
 11750 0600 FEN: Eng- Nx & jazz (QRM by 9BC)(Adkins-Cal)
 11940 1725 NHK: Eng- Mx & nx (Poor)(Hicks-Fla)

KOREA, SOUTH

15430 0300 VOR: Eng- & Native mx to 0400 (Good)(Caldwell-Cal) 0230 Spanish

KUWAIT

15405 1600 R Kuwait: Eng- s/on, ID, rock mx (Adkins-Cal) 1830 (Fisher-Cal)

LEBANON

11790 0230 R Lebanon; Eng- Prog to N Am, nx & mx (Good)(Hicks-Fla)

MALAYSIA

17880 0000 BBC FEN: Eng- s/on, ID, nx // 11850 (Poor) (Good)(Adkins-Cal)

NEPAL

11970 0130 R Nepal: Lang-Prog. WBS QRM (Fair)(Koukel-III, Henderson-Md)

PAKISTAN, EAST

11650 1500 Dacca: Eng- Nx & ID thru RTTY QRM (Fair)(Adkins-Cal)
 15520 0058 Dacca: S/on and into Lang. QRM'd by Peking (Henderson-Md)

PAKISTAN, WEST

3940 1700 Peshawar: Lang- ID & nx relay (Good)(Hauser-Thailand)

PHILIPPINES

9580 0900 VOP: Eng- Dance mx. R Australia QRM @ 0944 (Good)(Sparks-Cal)
 15440 2330 FEBC: Eng- s/on, ID, nx (Poor)(Henderson-Md) (Good)(Adkins-Cal)

RSFSR ASIATIC

5015 1230 R Vladivostok: Lang- HS prog to 133Q (Exc)(Kamp-Tex)
 17775 0330 R Khabarovsk: Eng- Relay R Moscow to WCNA (Exc)(Rowell-Wash)

SARAWAK

4950 1130 R Sarawak: Multi-talks & mx; 1445 mx (Fair)(Pilkington-Wash)
 (Poor)(Patterson-Ga)

7145 1025 R Sarawak: Lang- (Poor)(Fisher-Cal)
 7160 1140 R Sarawak: Eng- Talks & mx to 1200 nx (Good)(Koukel-III)

SAUDI ARABIA

11855 0430 Jidda: Eng- Mx. talks, nx (Exc)(Javasius-III, Hicks-Fla)
 15150 1700 Jidda: Arabic- Mx & talks to 2245 s/off (Good)(Rowell-Wash, Adkins-Cal)

SINGAPORE

5052 1600 R Singapore: US type records (Fair)(Pilkington-Wash)
 7173 1130 R Singapore: Tamil service, comcls & mx (Good)(Henderson-Md)

SYRIA

5960 0400 R Damascus: Arabic- s/on into chanting (Good)(Henderson-Md) 50 kw list
 15290 0430 R Damascus: Arabic- s/on into chanting (Rowell-Wash)

TADZHIK SSR

4635 0000 Dushambe: Lang- s/on, anthem, nx (Poor)(Henderson-Md)

RECEPTION REPORTSSHORTWAVE REVIEWTURKEY

15160 2100 R Ankara: German-, 2130 French, 2200-2300 Eng (Rowell-Wash)

TURKMEN SSR

4827 2135 R Ashkhabad: Lang- Nx & Moscow IDs, s/off 2158 (Good)(Lobdell-Mass)

UZBEK SSR

5925 0005 R Tashkent: Lang- HS nx & mx (Good if UT off)(Henderson-Md)

VIETNAM, NORTH

4747 1330 Tay Bac regional: Lang. Some list 4767 (Hauser-Thailand)

10040 1528 V of Vietnam: Indonesian-s/off. 1530 Eng (Hauser)

VIETNAM, SOUTH

7175A 1140 VTVN: Lang- Mx & talks (Poor)(Lobdell-Mass)

AUSTRALIA

9580 1245 RA: Eng- Mailbag and DX prog. (Good)(Hicks-Fla)

15160 0605 ABC: Eng- Nx prog (Good)(Adkins-Cal)

OCEANIA
Sorry, gents! Had
to cut down here. edFIJI

3284 0900 R Fiji: Pidgin (Poor)(Fisher-Cal) 3230 0700 Eng (Fair)(Glover-Wash)

GILBERT & ELLICE ISL

4912 0715 R Tarawa: Vernacular- Nx & wx, Eng ID (Sparks-Cal)

NEW BRITAIN

3385 1235 R Rabaul: Eng- Mx prog (Fair)(Koukel-III) 0720 Eng & mx (Glover-Wash)

NEW CALEDONIA

3355 0705 Noumea: French- Mx prog (Fair)(Glover-Wash)

7170 0700 Noumea: French- Nx & pop mx (Good)(Adkins-Cal) 0935 (Good)(Koukel-III)

NEW GUINEA

3335 1215 R Wewak: Pidgin-local mx (Fair)(Koukel-III)

NEW ZEALAND

15280 0300 RNZ: Eng- Sports prog & mx (Exc)(Caldwell-Cal)

PAPUA

9520 0715 Port Moresby: Eng- ID & s/off (Good)(Adkins-Cal)

SOLOMON ISL., AUSTRALIAN

3995 0810 Honiara: Eng-Talks & Isl mx (Poor)(Glover-Wash) 0940 (Fair)(Koukel-III)

TAHITI

11825 0400 R Tahiti: French & native- Mx to past 0500 (Good)(Caldwell-Cal)

WHO DAT? DEPT.

3905 2330 Unid, possibly Peking, tho AIR, Delhi sometimes here (Henderson-Md)

4500 1145 Clandestine? Prog in Thai/Lao to 1155 then into other lang (Hauser)

4815+ 1340 Unid. Mx prog thru Het from Peking, below (Hauser-Thailand)

5160 1425 Clandestine...Pathet Lao: Mx & fanfares. 1431 off (Hauser-Thailand)

5580 1430 Unid: Unkn lang, western mx, announcement 1500 (Hauser)

11630 0800 China?? On reduced carrier SSB. Prog in unid lang being played back-
ward. (Hauser) Have heard USSR here,

(Out of order, sorry) both prog and utility, Glenn. ed

3390 0725 Unid: Accordion mx, LA type? Late for LA's? (Glover-Wash)

#####

MARK KOUKEL has apparently been staying awake all night and catching up on his homework. Nice bit of DXing, Mark, making those Oceania stations reach all the way to Illinois. You got a goodly gob of goodies there and we hope you bag some veries for your labor. Good show, OM, and thanks for sharing them with us.

REPORTERS THIS MONTH

Terry Adkins-Cal
Dr. Bill Caldwell-Cal
Steve d'Adolf-Kwajalein
Robert Fisher-Cal
Glenn Hauser-Thailand
Dan Henderson-Md

Terry Hicks-Fla
Arv Jarasius-III
Steve Kamp-Tex
Mark Koukel-III
Chris Lobdell-Mass
Pat Patterson-Ga

Chas. Pilkington-Wash
Al Reynolds-NC
Sam Rowell-Wash
Bill Sparks-Cal
David Thorne-Cal

SHORT WAVE REVIEW
EUROPE - AFRICA

Editor: Christopher Lobdell - 149 Walnut Street - Reading, Mass. 01867

MAY DEADLINE: April 18th

JUNE DEADLINE: May 22nd

EUROPE

ALBANIA

7310 0230 R. Tirana: English program (fair)(Caldwell-Ca)
9787 0015 R. Tirana: English program (good)(Hicks-Fla)
9805 0015 R. Tirana: English w/blah on USSR (Reynolds-N.C.)

AUSTRIA

7245 0700 Austrian R: s/on in German to Europe (fair)(Benton-Ala)
9770 0000 Austrian R: English program //6155 (poor)(Hicks-Fla)
21670 0657 Austrian R: German music (good)(d'Adolf-Mashall Is)

BELGIUM

6125 0052 RTB, Brussels: English program //9615 (fair)(Hicks-Fla)
15435 0050 RTB: English to NA (fair)(Zilmer-Wisconsin)

BULGARIA

9700 0400 R. Sofia: English nx (good)(Caldwell-Ca & Hicks-Fla)
9700 2130 R. Sofia: English nx (good)(Talbot-Nova Scotia)

CZECHOSLOVAKIA

7345 0100 R. Prague: English to NA (exc.)(Talbot-N.S.)
7345 0310 R. Prague: English program //9630 (fair)(Hicks-Fla)
9505 0815 R. Prague: German to Europe (fair)(Benton-Ala)
9540 0100 R. Prague: English to NA (fair)(Zilmer-Wis.)
9540 0300 R. Prague: English program (fair)(Caldwell-Ca)
11990 0300 R. Prague: English nx (fair)(Reynolds-N.C.)

DENMARK

15165 1400 R. Denmark: s/on in Danish (Reynolds-N.C.)
15165 1700 R. Denmark: s/on w/Danish ID (Adkins-Ca)

FINLAND

15185 2300 FBC, Helsinki: English to NA (poor)(Zilmer-Wis)

FRANCE

15120 1830 ORTF, Paris: French program (good)(Caldwell-Ca)
15160 1905 ORTF: French HS relay (fair)(Benton-Ala)

GERMANY (East)

5955 0235 RBI: English program (fair)(Hicks-Fla)

GERMANY (West)

3980 1728 70A, Ismaning: special English prog. (13 MAR)(Hauser-Thailand)
6075 0130 DW, Kolon: English to NA (poor)(Talbot-N.S.)
9735 0215 DW: German nx + mx (fair)(Hicks-Fla)
9735 0240 DW: English program (fair)(Pilkington-Washington)
15245 1900 DW: English w/pop mx to NA (fair)(Benton-Ala)
15410 2300 DW: German program (good)(Zilmer-Wisconsin)
15435 1745 DW: s/on in English to Africa (poor)(Reynolds-N.C.)
from Kigali I think, Ed.

GREAT BRITIAN

9510 2200 BBC: English (good) //9600, 11750, 15260 & 17790 (Zilmer)
9825 0110 BBC: Arabic talks // 12040 & 7325 (Adkins-Ca)
11780 2330 BBC: English w/classical mx (good)(Benton-Ala)
21610 1715 BBC: English program (good)(Reynolds-N.C.)

HOLLAND

15425 2130 R. Nederland: English to NA (good)(Zilmer-Wis.)

EUROPE

HUNGARY

9833 0108 R. Budapest: English nx (RTTY QRM)(Adkins-Ca)
 9833 0400 R. Budapest: English prog. w/pop mx (poor)(Caldwell-Ca)

INTERNATIONAL WATERS

6210 2230 R. Nordsee, off Belgium: English program w/top 40 mx
 (exc.)(Henderson-Maryland) fair (Reynolds-N.C.)

ITALY

6010 2230 RAI, Rome: Italian program (good)(Reynolds-N.C.)
 9575 0101 RAI: English nx //6010 kHz (good)(Hicks-Fla)
 9575 0230 RAI: in language w/mx (exc.)(Caldwell-Ca)

LATVIA

7140 0400 R. Moscow, (listed as Riga): s/on w/IS into lang. (Adkins)

LUXEMBOURG

6090T 0645 R. Luxembourg, Villa Louvigny: rock mx w/French anmts
 no ID noted (fair)(Patterson-Ga)

MONACO

6035 0551 R. Monte Carlo: French ID w/rock tunes (good)(Patterson)
 7290 0725 TWR: IS, s/on into religious progs. (good)(Koukol-Ill)

NORWAY

11850 0005 R. Norway: English program (fair)(Hicks-Fla)
 21730 0800 R. Norway: English on Sunday only (good)(d'Adolf- M. IS)
 21730 1830 R. Norway: s/off in English (good)(Reynolds-N.C.)

POLAND

7125 0400 R. Warsaw: s/on in Polish w/trumpet mx (good) //7145
 (Adkins-Ca)
 15275 0330 R. Warsaw: English ID w/request for reports; then into
 Polish (exc. 4 March) //11815, 9655, & 6035 (Glover-Wa)
 17865 1305 R. Warsaw: English mailbag & commtry (d'Adolf- Mar. Is)

PORTUGAL

11840 0245 R. Portugal: French mx & nx (fair)(Pilkington-Wash)
 11840 0310 R. Portugal: English program (fair)(Jarasius-Ill.)
 15125 0400 R. Portugal: English w/native mx (exc.)(Caldwell-Ca)
 21495 0746 R. Portugal: English mx & commtry (d'Adolf-Marshall Is)
 21700 1800 R. Portugal: what language? (exc.)(Reynolds-N.C.)

RUMANIA

6150 0305 R. Bucharest: English to WCNA //9570 & 11810 (good)
 (Hicks-Florida)
 11810 0100 R. Bucharest: Portuguese s/on //9570
 (Adkins-Ca)
 11810 0430 R. Bucharest: English nx & commtry (good)(Caldwell-Ca)

RSFSR (European)

11870 0525 R. Moscow: English s/off (fair)(Jarasius-Ill.)
 11870 0535 R. Moscow: English w/anti-US talk on Laos (Adkins-Ca)
 11916 0130 R. Peace & Progress: Spanish ID (good)(Halprin-N.J.)
 21725 1200 R. Moscow: English to British Isles (fair)(Zilmer-Wis)

SPAIN

6140 0215 RNE, Madrid: English program (good)(Benton-Ala)
 8789 0306 RNE: Spanish program (good)(Fisher-Ca)
 15420 2300 RNE: Spanish program (fair)(Zilmer-Wisconsin)
 15420 0100 RNE: Spanish program //11710 (fair)(Adkins-Ca)

SWEDEN

5990 0031 R. Sweden: English to ECNA (fair)(Hicks-Fla)
 9725 0330 R. Sweden: English to WCNA (good)(Caldwell-Ca)-(poor)
 (Zilmer-Ca)
 11705 0305 R. Sweden: "Sweden Calling DXers" (good)(Jarasius-Ill)

EUROPE

SWITZERLAND

7210 0600 International Red Cross, Geneva: quaterly xmsn in French w/nx & mx (exc.)(Thorne-Ca)
 9590 0705 SBC: English to Australia & N.Z. (good)(Hicks-Fla)
 9665 1930 SBC: English to British Isles (good)(Talbot-N.S.)
 11775 0715 SBC: English program (exc.)(Jarasius-Ill.)
 15305 1430 SBC: English program (fair)(Zilmer-Wisconsin)
 15305 1554 SBC: French program w/chimes & nx (fair)(Pilkington-Wa)

UKRAINIAN SSR

9666 0430 R. Kiev: English to NA (good)(Caldwell-Ca)

VATICAN STATE

6000 0050 Vatican R: English to NA //9615 (good)(Hicks-Fla)
 11720 0110 Vatican R: s/on in French to NA (good)(Benton-Ala)
 15210 1615 Vatican R: religious nx (what language Charlie?)

AFRICAALGERIA

9685 0630 RTA, Algiers: Kabul s/on into program (fair)(Adkins-Ca)

ANGOLA

3375 2230 R. Angola: orchestra mx w/Port. anmts (exc. 25 Feb)
 (Henderson-Maryland)

ASCENSION IS

11820 0230 BBC: Spanish pop mx (exc.)(Caldwell-Ca)

BOTSWANA

4845 0358 R. Botswana, Gaborones: s/on w/cow belles & anthem
 (poor 3 March)(Henderson-Maryland)

CANARY IS

11800 0247 RNE: Spanish program (good)(Fisher-Ca)
 15360 0200 RNE: Spanish opera mx (exc.)(Caldwell-Ca)

CAPE VERDE IS

3910 2325 R. Barlavento, S. Vicente: pop mx w/Port. anmts (good)
 (Henderson-Maryland)

CAMEROON

5010 0503 R. Garoua: s/on in Arabic (good 23 Feb)(Henderson-Mar.)

CENTRAL AFRICAN REPUBLIC

5035 2145 RNC, Bangui: French nx into classical mx to 2230 s/off
 (fair 27 Feb)(Lobdell-Mass.)

CONGO-(DEM REP)

11863 1900 R. Lubumbashi: English "Voice of African Brotherhood"
 program w/Afro tunes (good)(Henderson-Maryland)
 15245 0430 RTNC, Kinshasa: French + Tshiluba nx & mx (fair)
 (Reynolds-N.C.) pop mx (Caldwell-Ca)

CONGO-(REP)

4802 2130 R. Brazzaville: French nx to s/off w/ORTF IS (fair)
 (Lobdell-Mass.)
 4803 2110 R. Brazzaville: European pop mx w/French anmts (good 26
 Feb)(Henderson-Maryland)
 15190 2055 R. Brazzaville: ORTF nx from Paris into French at 2100
 (good)(Adkins-Ca)

ETHIOPIA

11855 0330 ETLF: to Madagascar in Malgache (good)(Reynolds-N.C.)
 11890 0530 ETLF: English to 0554, then into Chinese. (Adkins-Ca,
 Glover-Wash. & Jarasius-Ill.) Chinese starts at 0600.
 ETLF: English ID into Arabic (Mc Kenzie-Ca)

GABON

4777 2229 RTG, Libreville: Afro mx w/French anmts. (poor) (Lobdell
 Mass.) Now IDs as La Voix de Renovation.

AFRICA

GHANA

4915 0530 GBC: s/on in vernaculars (fair)(Benton-Ala)
 9760 2030 R. Ghana: English to NA //11850 (Hicks-Fla)
 11850 0200 R. Ghana: English to NA (fair)(Caldwell-Ca) Bill, don't
 you mean 2000 GMT?

GUINEA-(Equatorial)

6250 2235 R. Santa Isabel, Fernando Poo: Afro mx w/Spanish anmts.
 (Koukol-Ill.)

IVORY COAST

4940 0628 RTI, Abidjan: religious program in French & vernaculars
 (fair)(Patterson-Ga)
 4940 2226 RTI: English-French lessons (fair)(Lobdell-Mass.)
 11920 0600 RTI: s/on w/French ID into programs (good)(Adkins-Ca &
 Caldwell-Ca)

KENYA

4885 0407 VOK, Nairobi: English nx (weak 9 Mar)(Henderson-Mary.)
 4915 0407 VOK, Nairobi: Swahili mx & talks (fair)(Patterson-Ga &
 Koukol-Ill.)

LIBERIA

3255 2240 ELBC, Monrovia: pop mx (good)(Henderson-Maryland) rare
 DX, Ed.
 9750 0300 VOA, Monrovia: English program (good)(Halprin-N.J.)
 11890 0501 VOA: s/off in English (good) (Jarasius-Ill)
 15155 1715 ELWA: English + French ID into lang. (good)(Adkins-Ca)

MALI

4783T 2234 RM, Bamako: talks in vernaculars (fair-RTTY QRM)(Lobdell)

MAURITANIA

4850 2210 RNM, Nouakchatt: French talks (fair)(Lobdell-Mass)

MOROCCO

9615 0630 RTM, Rabat: Arabic mx (good)(Adkins-Ca)
 11790 0545 VOA, Tangier: s/on w/English ID into lang.(fair)(Jarasius
 15360 2242 RTM: Spanish ID into guitar mx (exc.)(Lobdell-Mass.)

MOZAMBIQUE

4855 0410 RCM: pop mx w/English & Afrikaans anmts. (exc. 9 March)
 (Henderson-Maryland)
 4925 2051 RCM: English mx w/Portuguese anmts. (good)(Hauser-
 Thailand)
 11780 0330 RCM: in English + Portuguese w/AD for cigars (poor)
 (Reynolds-N.C.)

NIGERIA

4932 0625 NBC, Benin City: English mx + talks (fair 14 Feb)
 (Kamp-Texas)

REUNION IS

2446 0231 ORTF, St. Denis: s/on w/"La Marsiellaise" into ID in
 French (good-RTTY QRM)(Henderson-Maryland)
 4807 0228 ORTF: s/on w/"La Marsiellaise" (poor)(Henderson-Maryd)

RHODESIA

4828 0405 RBC: English news (good 9 March)(Henderson-Maryland)
 4828 0406 RBC: English into native lang. at 0410 (poor 9 March)
 (Lobdell-Mass.)

RWANDA

9690 0600 DW, Kigali: English news (fair)(Benton-Ala)
 11965 1630 DW: English ID then into program (good)(Adkins-Ca)

SAO TOME

4807 2115 R. Clube de Sao Tome, Sao Tome: Portuguese talks (poor)
 (poor)(Henderson-Maryland)

SENEGAL

4890 0511 R. Senegal: French program (good)(Benton-Ala & Patter-
 son-Ga)

AFRICA

SEYCHELLES IS

15185 0340 FEBA, Victoria: English ID into pop music (BBC QRM)
(Henderson-Maryland)
15185 0358 FEBA: testing w/IDs by YL & piano mx between anmts.
(fair 20 March)(Lobdell-Mass.)
15185 0425 FEBA: light mx w/English anmts. Asking for reports.
(Koukol-Illinois)

SIERRA LEONE

3316 2225 R. Sierra Leone, Freetown: in English to 2300 GMT s/off
(good)(Henderson-Maryland)

SOMALI REPUBLIC

6097 0340 R. Mogadiscio: chanting, possibly Arabic (fair)
(Koukol-Illinois)

SOUTH AFRICA

4875 0415 Springbok R: nx, wx & many ADs (exc. 9 March)
(Henderson-Maryland)
4875 2041 SABC: pop mx w/Afrikaans anmts. (Hauser-Thailand)
5955 2100 SABC: English nx & wx (exc.)(Henderson-Maryland)
7215 0400 RSA: English program (fair)(Zilmer-Wisconsin)
7270 0415 RSA: English s/on to E. Africa (Benton-Alabama)
9680 0610 SABC: English nx & wx (poor)(Benton-Ala)
11875 0235 RSA: English to WCNA //9695 + 9705 (good)(Hicks-Fla)
15220 0444 RSA: s/on in Afrikaans (good)(Jarasius-Ill.)

TANZANIA

5050 0310 R. Tanzania, Dar es Salaam: morning prayer in Swahili
(poor)(Henderson-Maryland)

UNITED ARAB REP

9475 0215 R. Cairo: English nx & mx (fair)(Hicks-Fla)
9675 2130 R. Cairo: English; exp. fqy. Looking for good slot for
European service. (fair 5 Mar)(Reynolds-N.C.)

UPPER VOLTA

4815 2208 RTV, Ouagadougou: Afro mx + chanting (poor 28 Feb)
(Lobdell-Mass.) They send a nice QSL card.

ZAMBIA

3346 0415 ZBS, Lusaka: Afro mx w/English anmts (good)(Koukol-Ill)

ZANZIBAR

3339 0330 R. Tanzania, Zanzibar: drum IS into Swahili chanting.
(Henderson-Maryland + Koukol-Illinois)

REPORTERS

Terry Adkins, California	Arvidas Jarasius, Illinois
Steve P. d'Adolf, Marshall Is	Steve Kamp, Texas
Carl Benton Jr, Alabama	Mark Koukol, Illinois
Bill Caldwell MD, California	Stewart Mc Kenzie, California
Robeert Fisher, California	C.R. "Pat" Patterson, Georgia
Art Glover, Washington	Charles Pilkington, Washington
Robert Halprin, New Jersey	Al Reynolds, North Carolina
Glen Hauser- Thailand	Paul Talbot, Nova Scotia
Dan Henderson, Maryland	David Thorne, California
Terry R. Hicks, Florida	Robert Zilmer, Wisconsin

This month we had a total of 20 reporters. I would like to thank those regular contributors and welcome the new-comers.

The Proper Reporting Guide Is Selling Fast
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SWL

SHORT WAVE REVIEW - The Americas

April 1970

Associate Editor: Carroll R. (Pat) Patterson, WPE4KHW

784 North Parkwood Road

Decatur, Georgia 30030

May Deadline: 18 April 1970

June Deadline: 22 May 1970

(All Times are GMT)

RECEPTION REPORTSARGENTINA

11780 0100 LRY2, R. Belgrano; Buenos Aires; Sp; "Noticias Belgrano";
(Koukol, Ill.). RAE; 0300; Sp & Eng; mx & talk;
poor/fair (Reynolds, NC)

15145 2330 RAE; Buenos Aires; Sp; religious prog; good (Hicks, Fla)
(WRTVH-70 does not list RAE here..CRP)

BRAZIL

4755 2255 ZYF23, Rdif do Maranhao; Sao Luis, Ma; Port; football
match vs Argentina; polar flutter - tentative,
& a rare catch in Thailand (Hauser, Thailand)

4845 0830 ZYU8, Rdif Teresina; Teresina, Piaui, Brazil; Port;
pop mx & ID; fair (Sparks, Calif.)

6085 0935 ZYK2, R. Jornal do Comercio; Recife, Pe., Brazil; Port;
mx & talk; fair (Kamp, Texas)

15145 0130 ZYK33, R. Jornal do Comercio; Recife, Pe., Brazil; Port;
pop mx; excellent (Caldwell, Calif.)

15155 0200 ZYB9, Rdif de Sao Paulo; Sao Paulo, SP, Brazil; Port;
Much dialogue & pop mx; good (Caldwell, Calif.)

BRITISH HONDURAS

3300 0515 R. Belize; Belize; Eng; sports event & religious prog;
s/off 0535; poor (Benton, Ala.)

CANADA

6130 0130 CHNX; Halifax, NS; Eng; hockey game; good (Happell, Va).
1100; Eng; nx & mx; poor (Hicks, Fla.)

COLOMBIA

4768 0230 HJDY, R. Catatumbo; Ocana; Sp; LA mx & ID (Ferguson, Fla.)

4917 0244 HJSB, R. Guatapuri; Valledupar; Sp; sports event; good
(Lobdell, Mass.)

4955 0415 HJCQ, R. Nacional; Bogota; Sp; mx & nx; good (Thorne, Cal.)

4965 0310 HJAF, R. Santa Fe; Botota; Sp; sports event; poor (Benton,
Ala.)

5020 0545 HJFW, Transmisora Caldas; Manizales; Sp; carrying RCN-
pop mx; fair (Benton, Ala.). 0800; Sp; LA mx & comm;
ID "Radio Cadena Nacional"; good (Redman-Ill.)

COSTA RICA

9615 0328 TIRICA, LV de la Victor; San Jose; Sp; mx; good (Pilkington,
Wash.)

CUBA

11760 0456 R. Habana; Habana; Eng; "Voice of Vietnam" prog., "nx",
mx, commentary on sugar harvest; excellent
(d'Adolf, Marshall Islands)

DOMINICAN REPUBLIC

3355 0151 HIBD, LV de La Romana; La Romana; Sp; "Sabado musical"
prog, TCs; fair (Kamp, Texas)

4880 0430 HIJP, R. Comercial; Santo Domingo; Sp; classical mx;
fair (Benton, Ala.)

5010 0500 HIMI, R. Cristal; Santo Domingo; Sp; nx w/"Yankee
Doodle" as "travelin mx between stuff"; bad
het (Reynolds, NC). 0020; Sp; mx mostly LA &
several IDs; fair (Happell, Va.)

(SWR-the Am., p.1)

ECUADOR

3315 0307 HCRP7, R. Pastaza; El Puyo; Sp; Andean mx past 0345, anmts mentioning Ecuador - 2 tentative IDs; (tentative) (Ferguson, Fla.)
 3995 0954 HCJA5, LV del Rio Tarqui; Cuenca; Sp; Andean mx & talk; hrd "Cuenca" mentioned; fair (Kamp, Texas)
 4680 0730 HCWE1, R. Nacional Espejo; Quito; Sp; LA mx; fair (Redman, Ill.)
 6140 0400 HCDE4, R. Vision de Manta; Manta; Sp; lots of IDs - one Eng ID hrd @ 0400; 0500 s/off; fair to good (Sparks - Calif.). 0400; Sp; fair (Fisher, Calif.)

EL SALVADOR

5980 0229 YSS, R. Nacional de El Salvador; San Salvador; Sp; talks by man & woman; fair (Lobell, Mass.). 0315; Eng & Sp; fair (Hicks, Fla.)

FRENCH GUIANA

3385 0950 ORTF; Cayenne; French; fair (Fisher, Calif.)

GREENLAND

3999 1015 Grønlands Radio; Godthaab; Greenlandic & possibly Danish; celeste IS, s/on w/ID by man, pop mx to 1030 then nx by woman; good & in the clear (Koukol, Ill.)

GUATEMALA

3380 1210 TGCH, R. Escuela Radiofonicas (R. Chortis); Jocotan; Sp; fair (Fisher, Calif.)
 5955 0055 TGNA, R. Cultural; Guatemala City; Eng; religious mx; fair (Koukol, Ill.)
 6180 0400 TGWB, LV de Guatemala; Guatemala City; Sp; mx; good (Caldwell, Calif.)

HAITI

11835 1400 4VEJ, R. Station 4VEH; Cap-Haitien; Eng; nx & s/off @ 1413; poor (Benton, Ala.)

HONDURAS

4820 4820 HRVC, LV Evangelica; Tegucigalpa; Sp & Eng; religious program; fair (Benton, Ala.). 0305; Eng; religious program; good (Redman, Ill.). 0330; Eng; religious program; good (Hicks, Fla.)

MEXICO

6105 0130 XEQM, Sistema R. Yucatan; Merida, Yucatan; Sp; NA pop mx; fair - improved later, better than usual (Caldwell, Calif.)
 11720 0545 XERMx, R. Mexico; Mexico, D.F.; Sp; LA mx; "still coming in strong here", s/off 0600 (Redman, Ill.) 0400; Sp; mx; excellent (Caldwell, Calif.)
 11820 1900 XEBR, El Heraldo de Sonora; Hermosillo, Sonora; Sp; mx & freq. commls; excellent (Caldwell, Calif.)
 15110 1830 XERR, Rdif. Comerciales; Mexico, D.F.; Sp; mx with freq. IDs; good (Caldwell, Calif.)

NICARAGUA

11875 0300 YNN, Rdif. Nacional; Managua; Sp; mx; excellent (Caldwell, Calif.). 0445; Sp; pop mx; good (Hicks, Fla.). 1235; Sp; LA & pop mx; excellent (Redman, Ill.)

PARAGUAY

11945 0100 ZPA5, R. Encarnacion; Encarnacion; Sp; "noticias", IDs, and LA mx; good (Koukol, Ill.)

PERU

6045 0400 OCY4H, R. Santa Rosa; Lima; Sp; "futbol" followed by circus mx(?), ID @ 0445 & schedule; good (Caldwell, Calif.)
 9521 0625 OAX4J, R. La Cronica; Lima; Sp; pop dance mx & ID; good (Sparks, Calif.)
 9655 0313 OAX9G, R. Nor Peruana; Chachapoyas; Sp; Peruvian mx, few ads & full ID, anthem & s/off 0400 (Kamp, Texas)
 9695 0200 OCX4Y, R. Continente; Lima; Sp; nx and singing; good (Pilkington, Wash.)

VENEZUELA

4775 0248 YVNW, R. Bolivar; Ciudad Bolivar; Sp; mx and anmts; good (Lobdell, Mass). 0332; Sp; fair (Fisher, Calif.)
 4840 0230 YVOI, R. Valera; Valera; Sp; LA mx; fair (Benton, Ala.) 0314; Sp; ID, TC & NA rock mx; good (Lobdell, Mass.)
 4930 0115 YVOT, R. Junin; San Cristobal; Sp; mostly mx, very few IDs; fair to poor (Happell, Virginia)
 4940 0050 YVPA, R. Yaracuy; San Felipe; Sp; mx - few IDs; poor (Happell, Va.)
 4970 0500 YVLK, R. Rumbos; Caracas; Sp; freq. IDs & s/off @ 0505; (Reynolds, NC). 0500; Sp; RTTY QRM on 4972; fair (Benton, Ala.)
 4980 0500 YVOC, Ecos del Torbes; San Cristobal; Eng. anmt at 0507 about news for Venezuelans residing abroad (Reynolds, NC)
 5040 2250 YVQH, R. Maturin; Maturin; Sp; talk by man; fair (Lobdell, Mass.)
 5057 2315 YVKD, R. Cultura; Caracas; Sp; ID & TC into Latin American pop mx; good (Lobdell, Mass.)

CREDITS

All reports received thru 21 March were considered. Again, tnx to those regulars who report every month, no matter how little they may have. A special welcome to the new reporters - become a regular. This months reporters were:

Terry Adkins	Orange, California
Carl Benton, Jr.	University, Alabama
Dr. Bill Caldwell	Los Angeles, California
Steve D'Adolf	Marshall Islands
Dan Ferguson	Coral Gables, Florida
Bob Fisher	Los Angeles, California
Eric Happell	Lynchburg, Virginia
Glenn Hauser	Thailand
Terry Hicks	Fort Lauderdale, Florida
Steve Kamp	Irving, Texas
Mark Koukol	Naperville, Illinois
Chris Lobdell	Reading, Massachusetts
Charles Pilkington	Seattle, Washington
Ron Redman	Decatur, Illinois
Al Reynolds	Sanford, North Carolina

CREDITS (cont'd)

Bill Sparks
Dave Thorne

San Francisco, California
Santa Anna, California

COMMENT

Your attention is called to the last paragraph on page 4 of "SWR-The Americas" in the March issue of "SWL". This column needs more participation from the membership! I know there are more ASWLC members who DX the Western Hemisphere than the 17 - 18 members who report to this column.

"SWR-The Americas" cannot survive without the participation of you - - the members. This column has now been in operation for six months and I am beginning to wonder if it is really wanted. I had hoped by this time to have at least 20 - 30 members who I could count on each and every month. Such has not been the case!

Come on, you all, how about 30 or 40 of you sending in reports for the May issue? ?

Carroll R. Patterson

 Associate Editor: Michael Macken, 64 Court Road, Winthrop, Massachusetts. 02152.

Deadline for SWR STATION DATA: 20th of each month

STATION DATA

FINLAND. The spring schedule of the Finnish Broadcasting Company indicates transmissions from 0400-2200 on Sundays 0530 to Northern Europe on 6120, from 0600-0630 and Sundays from 0630-0650 to Europe on 9560 and 11755. From 1000-1115 to Europe on 9550, 11755 and 15185. From 1200-1315 to Europe on 9550 and 11775, while to North America on 15185. From 1500-1555 and on Sundays 1430-1555 to North America on 15185. To Europe from 1500-1830 and on Sundays 1430-1830 on 9550 and 11755. From 1600-1830 on 15185. From 2000-2100 on 9525, 11755 and 15185, with the last re-quency for South America. From 2300-2400 to North America on 15185. English is heard during the 1800 and 2300 time segments. (Direct)

NETHERLAND ANTILLES. Trans World Radio has for the asking a stamp comemrating their fifth anniversary. Ask for the Stamp Souvenir Envelope and tell them that you heard about it via ASWLC. (Jack Hudson-Alabama)

Trans World Radio has a program especially for DXers called "DX Special". Broadcast time for North America is Friday morning at 8:05 a.m. Eastern Standard Time on 11820 and again at 10:35 p.m. Eastern Standard Time Saturdays 0335 Sundays on 11775. (Edward Colby-Massachusetts)

SWEDEN. Radio Sweden spring schedule shows English from 1100-1130 on 9625 and 15315. At 1230 on 15105 and 21690. At 1400 on 15315 and 21585. At 1600 on 6065 and 11860. At 1900 on 11705 and 15240. At 2045 on 6065 and 11910. At 2245 on 11705 and 15310. At 0030 on 6065, which was changed to 11790 on the first of April. At 0930 on 9725. At 0515 on 17840. All programs in half segments. (Edward Colby)

AUSTRALIA. Perth Relay to South Africa from ~~South Africa~~ 1800-2000 on 11885, 9665 with ten kilowatts.

Darwin Relay with 250 kilowatts has the following revised Spring schedule. On 21485 from 2300-1430 all English except for Japanese from 1000-1100 to Eastern Asia and Pacific. On 17715 from 0030-1030 with English until 0800 then in language. On 15335 from 2300-1130 with English from 0030 on. On 15130 from 2300-0030 in English. On 6055 from 1045-1445 to Indonesia. On 6015 from 1130-1430 with Mandarin to China. Full schedule is on Sundays only! Rest of the week all frequencies may be heard signing on at 0830. The two frequencies of 21485 and 6015 are new and are expected to be in full operation in May direct from the station. (August Balbi-California)

ECUADOR. HCJB spring schedule lists no less than sixteen frequencies. On 21460, 17890, 17780, 17700, 11765, 11915, 9525, 6130, and 6050 all with thirty or fifty kilowatts of power. On 15300, 15115, 15110, 11740, 9645, 9715 and 9745 all with 100 kilowatts. (August Balbi-California)

NEW ZEALAND. March 1st schedule shows 17770 and 15280 until 0545 sign of. From 0600-0845 on 9540 with 6080 replacing 11780. From 0900-1145 on 11705 replacing 11830 and 9520. To Antartic on Sundays from 0815-0845 on 9520. (August Balbi)

WEST GERMANY. Voice of Germany 11945 used in transmissions to North America since the 27th of March has been replaced by 11785. (Max Harksen-California)

SHORT WAVE REVIEW
STATION DATA

JAPAN. Radio Japan has issued two verification cards in commemoration of the Japan World Exposition being held in Osaka. Both are designed to befit the World Exposition. They are to be used to verify reception reports submitted between March and September 1970. Listeners are asked to submit reports ~~directly~~ promptly. (Radio Japan News) Also this month the broadcasts will be increased to thirty seven hours a day. Language lesson programs exoanded with the additions of Arabic, Swahili and intermediate English Courses. There will be many programs on the World Exposition currontly being held.

TOGO. Radio Togo broadcasts in French, English, Ewe, Cotocolis, Moba, and Bassari languages on three frequencies. On 5047 from 0530-0800 and 1730-2300. On 6155 from 0530-0900, 1200-1400 and 1630-1730. On 7265 from 0800-0900, 1200-1400 and 1630-1730. Additional Transmissions are scheduled for 0900-1200 Sundays and 1400-1630 Saturdays and Sundays, but frequencies used are not specified. (Robert Fisher-California)

GHANA. Radio Ghana latest schedule indicates English from 2000-2100 on 11850 and 9760. From 1445-1530 on 17870 and 21545. From 1400-2215 on 6130. From 2045-2215 on 9545 and 15285. From 1400-1430 on 17870. From 1445-1530 on 21720. From 1645-1730 on 15285. From 1815-1900 on 15285. (Steven P. D'Adolf-Marshall Islands)

GILBERT & ELLICE ISLANDS. At present we are on the air in the mornings from 6:45 -8:00 A.M. Mondays to Fridays. In the evenings we are on the air from about 6:30 P.M. to 9:30 P.M. Sundays to Fridays, staying on until 9:45 on Saturdays. Simply add twelve hours to arrive at GMT. The letter also states that the morning programs are chiefly music with news, from 7:15 to 8:00 being almost exclusively record requests with the announcements mostly in Gilbertese. In the ovenings wo generally run English 7:00-7:45 P.M.; Ellice 7:45-8:15 P.M.; music 8:15-8:30 P.M.; Gilbertese 8:30-9:15 P.M. English can be heard most evenings at 6:30 on. They also have a new ten kilowatts transmitter on the broadcast band frequency of 844, which has even been heard on the ECNA. (Steven P. D. Adolf-Marshall Islands)

HONDURAS. HRVC broadcasts in English from 1500-1600 and 0300-0400 on 4820 with religous program. DX mailbag may be heard at 1545 on Saturdays. (Terry Ray Hicks-Florida)

PARAGUAY. The Telocommunications administration of Radio Nacional at Ascuncion, Paraguay, states it is now building three 100 kilowatt transmitters for an International Service, especially for English and French listeners. Frequencies to be used are 9735, 11915 and 11940. It is suggested that listeners monitor these frequencies for equipment tests. (Newark Sunday News via Charles Coome-New Jersey)

NORTH VIETNAM. Voice of Vietnam may be heard in English on the frequencies of 15018, 9840, 10224, 7416 and 7360 at 0500, 1000, 1300, 1530, 2000 and 2300 and at 0830 except on sundays. French may also be heard on these frequencies at 0400, 1330, 1630, 1830 and 2030. Japanese at 2130, 1230, 1430 and 1600. (Direct)

SEYCHELLES. FEBA latost information indicates tests 0030-0200 on 11760, at 0205-0330 and 0340-0500 on 15185 and 1300-1630 on 15265. The transmission to the Middle East at 0340-0500 will most likely be discontinued in mid-April 1970. Regular programming with forty kilowatt power cuurently being uped from thirty kilowatt is expected from May third.

COMMENTS. Apologies for cutting out some reports since they were outdated as a result of small column last month, due to fact that I unexpectedly addes a new part time job. So next time around will have our allocated three pages if you all will be kind enough to continue your support and perhaps even some new reporters???

Editor: Paul Mayo, 2409 Ocean Parkway, Brooklyn, New York 11235

Deadlines: For May "SWL": April 18. For June "SWL": May 23.

From The Log

North & Central America

BERMUDA:

6850 0650 C&W Ltd, St Georges SSB Eng TT (Jarasius)
11472 2105 " " " " " " " " (Jarasius)

CANADA:

8828.5 0323 VFG, Gander Aeradio Wx BC (Good) (Kamp)
8913.5 0030 VFN, Montreal Aeradio w/Arctic Express (QSL) (Kamp)
8913.5 0045 VFW-5, Winnipeg Aeradio w/TWA (QSLed) (Kamp)

CANAL ZONE:

8837 0117 WHZ, Balboa Aeradio calling Bogota gd. (QSL) (Kamp)

CUBA:

8837 0102 CMI, Boyeros Aeradio, w/Miami (Good) (Kamp)

DOMINICAN REPUBLIC:

8837 0114 HIE-2, S.Dom Aer , w/San Juan (Good) (Kamp)

HAITI:

8837 0023 HHP-5, Port-au-Prince Aeradio w/Curacao (Good) (Kamp)

HONDURAS:

11150a 2156 TRT, Tegucigalpa SSB Eng/Sp TT (Fair) (Kamp)

JAMACIA:

5205 0650 C&W Ltd , Kinston SSB Eng TT (Jarasius)
8837 0046 6YK, Kingston Aeradio w/Miami (Good) (Kamp)
10355 1325 C&W Ltd, Kingston SSB Eng TT (Jarasius)

PANAMA:

5840 0645 TRT, Panama City, AM Eng TT Plugging Olympic games
10670 0325 " " " " " " " " (Jarasius)

PUERTO RICO:

8837 0142 WWA-3, San Juan Aeradio w/Miami (Good) (Kamp)

U.S.A.:

2182 0050 USCG "44395" w/Pt Isabel who is it?? (Kamp)
2686 0111 NMG, USCG, Grand Isle, LA w/N. Orleans (Kamp)
2694 0126 NMA, USCG, Ft Lauderdale, w/ Cutter Holley (Kamp)
8871 1333 KIL-8, Miami Aeradio w/Yacht Meter Meade (Kamp)
8905 1208 Oakland Aeradio AM Wx BC (Mahler)

South America

COLOMBIA:

8837 0028 HKH-3, Bogota Aeradio calling San Andres (Kamp)
8837 0044 HKG-41, Barranquilla Aer calling Curacao (Kamp)
8837 0047 " " " w/San Andres (Kamp)

FRENCH GUIANA:

6825 0645 FTS, Cayenne SSB Eng/Fr TT (Jarasius)

NETHERLAND WEST INDIES:

8837 2356 PJG, Curacao Aeradio w/Piarco (Good) (QSLed) (Kamp)
12300a 2025 Radio Tel Adm, Oranjestad SSB Eng TT (Jarasius)

TRINIDAD:

8837 0152 9YC, Piarco Aeradio, calling Miami (Good) (Kamp)

VENEZUELA:

8837 0123 YXA, Migueta Aeradio w/Curacao (Good) (Kamp)
11080 0040 Ven Tel Co, Caracas SSB Eng/Sp TT (Mahler)
13950 0115 Ven Tel Co, Caracas SSB Eng TT (Jarasius)

Europe- How about some more reports !!

ITALY:

8690a 0550 Maritime R Tel Svee, Rome SSB Eng/It TT (Jarasius)

Africa

GABON:

12295 2315 TRZ22, FCR, Libreville SSB Fr TT (Excel)(White)

Asia

SINGAPORE:

20790 0012 DTS, Singapore SSB Eng TT(YL)(Fair) (White)

Oceania

HAWAII:

8905 0855 Honolulu Volmet AM WX BC (Bradley)

NEW ZEALAND:

20805 0040 New Zealand P.O., Wellington SSB Eng TT (Gd)(White)

QSLS

BELGIUM: Regie des telegraphes et de Telephones sent letter w/full info including target & call(ORD21) in 6 Wks(1-IRC) (Mahler)
Addr: 42 Rue des Palais
Brussels,3, Belgium

CANAL ZONE:WHZ, Balboa Aeradio sent car in 16 days SASE sent, Didn't return prepared card (Kamp)

GABON: TRZ22, libreville sent card via air in 13 days w/full info french rpt & mint stamps sent. (White)
ADDR: France Cables et Radio(FCR)
BP 1120, Libreville, GABON.

GREECE: Athens SZF-19 21784kHz, sent large green card in the fast time of 2 years & 7½ months!! Airmail report & reply in Eng, V/S C. Pliagouras. (Coombe)
Addr:Hellenic Telecommunications Organ. S.A.
Radio Systems Dept
Athens , Greece

HONDURAS:HRF,TRT, sent usual QSL in 16 days , V/S C.A. Kirkconnel, TRT rpt sent via Boston but QSL de Honduras (Kamp)

KENYA: Mombasa Radio 5ZF, 13065 kHz. Sent friendly and appreciative letter & returned prepared card in 14 days w/full info 3-IRCs air rept & reply, V/S D.A. Young. Also sent CW sked
8710.4KHz at 2018 GMT
13065 " " 0048, 0830, 1518 GMT
17175.2 " " 1248 GMT Power 250 Watts!!!
Addr: East African External Telecom Co Ltd
Box 160
Mombasa, Kenya (COOMBE)

MARTINIQUE: FFP3 8675.2kHz sent letter in 24 days w/details on CW xmsn to ships; V/S Andre Soulier. French rpt & reply (Bradley)
Addr:Chef de centre Exploitation
Centre Radioelectrique
Fort de France, Martinique

NEW CALEDONIA: PTT Noumea sent letter in 15 days air w/full details with beam to Paris. V/S F. Franchette, Stn Manager.
Addr: Direction des Services Radioelectrique
Centre de Noumea
Noumea, New Caledonia (d'Adolf)

NEW ZEALAND: N.Z. Post Office sent nice letter explaining their non Qsl'ing policy and returned stamps. (White)

PUERTO RICO: San Juan Aeradio returned prepared card in 23 days, surface SASE sent, V/S Henry L. Diaz, Center Operations Chief. (KamP)

SAO TOME: CQK55, 18357 Khz sent letter for "CW""V" marker test 1500-1530GMT, Letter had full info. 3-IRCs sent, Airmail report & reply was in Portuguese., V/S Carlos Alberto Ferrira Dias. (Coombe)

Addr: Carlos Dias
President Administration Commission
Caixa Postal 44, Sao Tome.

TUNISIA: La Skhirra, 3VP/4, 8534kHz, 300watts CW. Eng report and reply Airmail, 2-IRCs, 4 $\frac{1}{2}$ months. V/S Robert Pedrosa. Returned prepared card w/full info and picture post card. (Coombe)

Addr: Robert Pedrosa, Teletransmissions.
La Skhirra Radio 3VP/4
Trapsa, La Skhirra, Tunisia.

VENEZUELA: Venezuela Tel Co sent card w/full info in 17 days via airmail. 1-IRC sent. (Mahler)

Addr: Apartado 1226, Caracas, Venezuela.

International Waters: USCG Cutter "Cape Coral" replied in 16 days on a prepared card, SASE sent (White)

Addr: USCG Cape Coral (WPB-95301)
Box 589
Juneau, Alaska 99801

CREDITS

Thanks this month go to:

J.M. Bradley, Daytona Beach, Fla.
Charles Coombe, Hamilton Square, N.J.
Steve d'Adolf, Marshall Islands
Arvidas Jarasius, Lansing, Ill.
Steve Kamp, Irving, Texas
Dr. Donald Mahler, Newton, Mass.
Jack White, Gresham, Oregon

A few reports were received too late to be included, due to the postal strike!! They will be included next month.

Till next month 73's

Paul

"SWL"

April 1970

Jack White
780 NW Wallula
Gresham, Oregon 97030

P R O P A G A T I O N

The effects of declining sun spot activity may become apparant along toward May creating some variance from the seasonal reception patterns of the past 2 or 3 years. Even so, many of the higher frequencies (20 to 25 MHz) currently in use for transcontinental transmissions will function perhaps for many months more. Circuits from the south should experience a slower rate of change to lower operating frequencies, while those being mostly east-west in direction will decrease somewhat more rapidly.

As summer approaches for the northern hemisphere, producing increased daylight periods, late afternoon and evening reception openings-especially from the east-may be expected to become more lengthy in duration. Rising electrostatic north of the equator compounded with fewer darkness hours will tend to reduce possibilities for long distance reception of modestly powered outlets on the lower end of the dial. The chance of an occasional fairly healthy ionospheric disturbance resulting in sub normal conditions for a few days is not to be overlooked either. Not wishing to be held too closely to it, the periods of April 23 to 26 and May 19 to 24 are offered in speculation as to when such degrading activity might occur.

"WHERE ITS AT" (AND HOW TO FIND IT)

With slightly different late spring conditions than he may have encountered before, and the possibility of some widely diverse day-to-day conditions; the DXer with only a modest amount of experience is advised that now is the time to devise a plan of action allowing for such irregularities. DXing is sort of an individual thing based upon fields of interest, equipment considerations, and other factors; but one thing all the successful static-sifters have in common is a well organized approach. Some suggestions for consideration during the upcoming period might be:

1) Should conditions on a functioning band on a particular day seem poor by recent comparison, the chances are fairly good that a disturbance of some sort is in progress. DX activity will then be limited to short-haul reception, and the best direction is often to the south. Caribbean and Central American stations not often heard well may be logged in such a situation because the QRM from more distant outlets is reduced, or even eliminated sometimes, by the disturbance.

2) If the overall picture seems better than normal of late for a particular band, attention might well be shifted to hunting in those areas at a long southeast or southwest distance (mid/east Africa or Pacific/Southeast Asia). The day/night relationships on each side of the equator are currently such that the longest band openings are possible for these circuits.

3) During daylight hours, or over paths into the daylight zone, should the conditions be noted as extremely poor with normally husky stations sounding like they are coming from the bottom of a bowl of Jello, then what is termed a "sudden ionospheric disturbance (SID) may have recently occurred. These little disruptors are caused by tremendous eruptions of energy (flares) from the sun and their effect normally passes for the most part within a matter of a few hours or as soon as darkness falls over the entire signal path. In this case, DX should be attempted during the later evening hours, or at least aimed at that part of the world that is in darkness.

4) In the event signals are noted to "flutter" as described in (3) above during darkness, then the listener is in all probability confronted with an auroral disturbance having its roots emplantated in the fact that the force-field created by the earth's magnetism tends to converge at the poles and create an oversaturated situation for the active particles within the ionosphere. In this case, the DX again lies to the south as paths in this direction may escape the effected portion of the upper atmosphere, or at least experience the minimum degrading activity.

5) Any or all of the disrupting influences mentioned above may be present in varying degrees at any given time-and quite often are. Sometimes the resulting influence upon radio transmissions is nearly negligible, and on other occasions

a total "blackout" may be observed. Most generally though, the conditions will fall somewhere between these two extremes, and this fact will determine just exactly which region offers the best possible DX opportunities.

There are of course times when ionospheric instability results in overall poor conditions for periods of several days. In this event long-haul DX is highly unlikely and the time could probably be better spent at other activities. However, by tinkering with the points mentioned above, it may be possible to salvage something from what on the surface might appear to be a hopeless situation.....and perhaps even more important to the flat-out DXer, some valuable insight into how varying ionospheric conditions effect the patterns of reception into his location can be developed for future use. One of the first thing many of the old-timers do is to "figure out which way the signals are running".

Let's look at an example: Suppose its 0400 GMT on the Pacific Coast (8PM), and you're digging for a European station on the 25 meter band (11700-11975 kHz). The noise level appears a bit higher and most stations seem weaker than usual. Prospects don't look too promising in this direction and the desired transmission fails to properly materialize, attention might then be shifted to Central America (#1)...only now down on the 49 meter band (5950-6200 kHz)!!! Reason? All things considered and under normal conditions, Europe should have been good on 25 meters at the time, but Latin American Action at this hour is best on 49 (or 60) meters. A disturbed path will be disturbed on any frequency, and the converse is true for trouble-free routes (providing of course that the bands in question would normally be considered "open").

As is the case with nearly everything, there is no substitute for experience. In the field of DXing, some really solid savvy can be acquired by working all the angles under less than ideal conditions (ask those of us residing in the shadow of the auroral zone). The key to developing successful techniques lies in attempting to determine just what is taking place with respect to reception, and the preparation of alternate objectives should the primary targets fail to produce as expected. As mentioned earlier, just about every DXer has his own methods and procedure, but each and every one is organized so that he may take the best advantage of any opportunity.....Aimless dial-twisting seldom results in anything more than a cramped fist and bloodshot eyes.

SUN SPOT NUMBERS (as of March 1970)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1969	109.4	108.3	106.0	103.8	103.1	102.5	100.8	99.3	98.6	97.7	97.1	96.8
1970	95.9	94.8	93.4	91.3	89.1	87.1	85.1	83.1	81.2	79.1	76.2	73.5
1971	71.1	68.8	66.7	64.2	61.6	59.6	58.3	56.6	54.5	52.6	51.2	50.0

note: Those numbers up to and including June 1969 are "observed" smoothed values, all following are predicted smoothed numbers (Zurich SSN via ESSA Bul #87).

FOOD FOR THOUGHT

The following should perhaps be in "QSL Corner", but with an inch or two of space remaining, the liberty is taken. As we all know, the most desirable verifications are from those stations that do not consider the North American DXer as part of their audience. Therefore it is important that a complete, correct, and useful reception report is sent in order to expect a QSL in return. ASWLC offers a complete and comprehensive text (plus form letters and vocabulary in French, Spanish and Portuguese) covering every aspect of reporting. The "PROPER REPORTING GUIDE" may be purchased from HQ for \$1.30 (ASWLC members) or \$2.05 (non members). One more point: If a small, understaffed station receives too many poorly prepared reports, they could easily decide to adopt a "nonQSL" policy and the whole hobby would be the loser. Think about it.....Use the "GUIDE".

Paul

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE N AFRICA MID EAST	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	AUSTRALIA SOUTH PACIFIC
0000 to 0300	E	25G 31G 49F 60F	31G 25F	19G 25F	25G 31F	19G
	W	25F 31F 49F	25G 31G	19G	31F 49F	19F
0300 to 0600	E	49G 60F	31G 49F	31G 25M	31G 49F 60F	25G 31F
	W	31F 49F 60F	25G 31G	19G 25F	25G 31G 49F	19G
0600 to 0900	E	49G 60F	31G 49F	25G 31F	49F 60F	31F 49M
	W	49G 60F	31G 25F	25G 31F	31G 49F	25G 31F 49F 60M
0900 to 1200	E	49F	25F 19M	31F 49F	31F 25M	49F
	W	49G 60F	31G 49F	25G 31F	49F	49G 60F
1200 to 1500	E	31F 25F	19G 16F	25G 19G	19G	25F 31F
	W	31G 49F 25M	31F 25M	31F 49F	25F 31M	31F 49F
1500 to 1800	E	19G	19G 16F	19F	19G	19M
	W	25F 19M	19G 16F	19G 25M	19F 31F	25G
1800 to 2100	E	19G	19G 25F	19G	19G 25F	NIL
	W	19G 25F	19G 25M	19G	19F	19M
2100 to 2400	E	25G 31F 49F	25G 31F 19M	19G	25F 31F 60M	19M
	W	25G 31F	19F 25F	19G	19F 25F	19F

Legend: RCVR ZONE indicates listener's region: E is for EST & CST time zones, and W represents MST & PST zones. Reading down to the proper GMT and RCVR ZONE and across to the desired area will indicate the SWBC bands most likely to offer reception at the time. Quality of openings is indicated by G, F, M - Good, Fair and Marginal respectively.

16 meter band	17700 to 17900 kHz	31 meter band	9500 to 9775 kHz
19 " "	15100 to 15450 "	41 " "	7100 to 7300 "
25 " "	11700 to 11975 "	49 " "	5950 to 6200 "
		60 " "	4750 to 5050 "

GOOD HUNTING

Editor: Bill Migley
 210 S. Maple St.
 Lancaster, Ohio 43130

BCB International
 All
 Times
 GMT

May Deadline: Apr. 25

International Log

- 590 CMW Cuba-Havana in with La Voz de Cuba program at 0838; S9+10, no QRM w/loop. (Kamp-Tex)
- 640 UnID-SS u/CMQ noted from 0330-0345. Probably TGW Guatemala w/20kw.3/19. (Widner-Ind)
- 655 YSS El Salvador-San Salvador in w/good signal on 30' longwire. Pgm before studio audience; mx, man talking in SS, many mentions of "R.Nacional de El Salvador". Hrd 0211-0229. QSL-c rcvd. (Kamp-Tex)
- 660 XERP Mexico-Mexico City good 0100-0115 w/ID, nx, some mx, and many ads. All SS except for one EE ad. (Kamp-Tex)
- 695 Dominica-Windward Islands Br. Srvc. logged 3/1 with very surprising signal. Rock mx at 0120; not too much WLW QRM. (Steele-Mich)
- 700 TGHR Guatemala-Guatemala City hrd o/u WLW w/"R.Mundial" ID, MoR mx at 0435 1/12. (Sadoian-Calif)
- 737 -RNE- Spain-Barcelona 2/23 0220 w/SS announcers & MoR mx. Good signal peaking at S6. Much weaker but still decent at 0430. (Sundstrom-NJ)
- 750 YNX Nicaragua-Managua good signal w/loop 0303-0336 w/mx-SS, few ads to 0326, then SS nx bulletin. WSB looped. (Kamp-Tex)
- 760 CMDC Cuba-Havana R.Reloj Nacional S9 on loop, WJR looped. This station has a program of continuous news w/clock ticks hrd under the news, tone and TC every minute. Few ID's. Hrd 0854-0900. (Kamp-Tex)
- 782 CSB9 Portugal-Miramar hrd w/good signals 2/22 2320-0030. This one was picked off on a Knight-Kit R-195 currently under review for S9 magazine; the R-195 is a relatively inexpensive beginner's radio in modular kit form-see '70 Allied catalog. (Sundstrom-NJ)
- 818 Egypt-Batra 2/22 w/classical mx to 2335, Arabic talk following; o/Andorra which was hrd w/bits of FF programming. (Sundstrom-NJ)
- 845 -RAI- Italy-Rome 2/22 2340 w/classical mx, 0015 w/pop mx and excellent sig. This also was hrd on the R-195 w/the loop ant. (Sundstrom-NJ)
- 863 -RTF- France-Paris 2/22 w/classical mx around 2345; weak signal. (Sundstrom-NJ)
- 844 VSZ1 Gilbert & Ellice Is.-Betio strong 0714 2/16 w/EE program. Uses 10 kw now. (Sadoian-Calif) Skipped over this one, should be placed before 845, hi, my mistake-ed.
- 1035 HOS21 Panama-Panama City R.Union logged 3/14 0205-0220. 3 definite ID's hrd; use a music box before ID's. Signal had deep fades every 5 minutes or so, but signal was very good at peaks. (Steele-Mich)
- 1045 HOJ2 Panama-Las Tablas in on 3/10 w/soccer game between Panama and Dominican Republic. Beautiful signal and no QRM. There were severe auroral disturbances apparently as the entire band had virtually nil E-W propagation. Time hrd was 0145. (Steele-Mich)
- 1050 XEG Mexico-Monterrey w/ID at 0345, mixed w/another station & splash from local 50kw WIBC-1070. (Widner-Ind) Heard here nightly for a week w/pop mx and religious programs. (Grenier-Calif)
- 1150 YVMV Venezuela-Ondas del Caribe hrd 3/6 at 0130 w/mx, ad, and ID at 0131. QTH-Punto Fijo. (Steele-Mich)
- 1210 TGFD Guatemala-Guatemala City logged 3/11 at 0308 w/several ads. Well over WCAU. (Steele-Mich)
- 1466 3AM2 Monaco-Monte Carlo 3/1 0005 w/"Radio 205" in English in Progress. Recent SCDX bulletin indicates this to be a weekly Saturday night 2300-0100 taped show beamed to England that was on Radio Andorra-701 before. Good signal w/English pop mx. Carrier disappeared suddenly at 0110, presume s/off...wasn't paying attention at the moment. (Sundstrom-NJ)
- 1500 XERH Mexico-Mexico City hrd at 0525 3/14 w/religious mx. (Grenier-Calif)
- 1540 ZNS1 Bahamas-Nassau finally logged 3/10 at 0200 when just peeking through a weakened KXEL; w/BBC nx. (Steele-Mich)

BCB InternationalEastern Log

- 570 WKYX Kentucky-Paducah noted w/sports at 0516 MM 3/2. 500w. (Widner-Ind)
 600 WCAO Maryland-Baltimore u/the Cuban w/sports 0216 3/20. (Widner-Ind)
 790 WMC Tennessee-Memphis at 0733 w/ID on MM 3/23. (Widner-Ind)
 820 WAIT Illinois-Chicago logged w/good signal 2/28 at 0007 w/mx. (Chisak-Pa)
 850 KOA Colorado-Denver good 3/2 at 0706 s/off. (Chisak-Pa)
 920 WMMN West Virginia-Fairmount in at 0030 w/clear ID. (Palmer-Mich)
 960 CHNS Nova Scotia-Halifax good w/mx at 0700 on MM 3/23. (Kinnaly-Mass)
 970 WWSW Pennsylvania-Pittsburgh faded in w/an ID and then was overcome by WAVE-Ky. (Palmer-Mich)
 1070 WFLI Tennessee-Lookout Mountain logged while testing w/daytime power of 50kw at 0715 on MM 3/23. (Widner-Ind)
 1150 CKOC Ontario-Hamilton good w/mx at 0510 3/2. QSL ltr and survey in 2wks. (Chisak-Pa)
 1150 WDEL Delaware-Wilmington good 2/28 at 0445 w/mx. (Chisak-Pa)
 1160 KSL Utah-Salt Lake City very good at 0605 on MM 3/23 w/mx. (Kinnaly-Mass)
 Good at 0600 3/2. (Chisak-Pa)
 1310 CKOY Ontario-Ottawa good w/pop mx on MM 3/23 at 0645. (Kinnaly-Mass)
 1430 WNJR New Jersey-Newark noted w/nx at 0430 3/28 w/a good signal. QSL-c in 1wk. (Chisak-Pa)
 1570 CKLM Quebec-Montreal heard at 0201 w/English nx 2/19. No sign of XERF. (Widner-Ind)

Western Log

- 560 KWTO Missouri-Springfield in for a few minutes, fair S-5, w/ID at 0510. Have hrd them often, but never long enough for a report. (Kamp-Tex)
 600 KTBB Texas-Tyler good 1705-1718 w/sports, mx, and ads. Good signal. (Kamp-Tex)
 WMT Iowa-Cedar Rapids good on loop 0001-0015 w/CBS nx, ads, then ID. QSL rcvd. KTBB looped. (Kamp-Tex)
 620 CKCK Saskatchewan-Regina fair on loop w/pop mx and ads. (Kamp-Tex)
 670 KBOI Idaho-Boise hrd at 0530 w/close of basketball game 2/27. Great signal. (Adkins-Calif)
 730 CKDM Manitoba-Dauphin good 0637-0658 s/off, w/"O Canada". (Kamp-Tex)
 CHIR Ontario-Leamington poor but readable 0737-0838 w/HI Nighttime. ID at 0800. QSL rcvd. They claim to run only 250 watts on 730-is this true? (Kamp-Tex)
 VJ Log says 250 watts, too.-ed.
 WLII Tennessee-Lenoir City fair to poor 1152-1202 w/sports rpt & ID. QSL rcvd. (Kamp-Tex)
 770 KOB New Mexico-Albuquerque good at 0535 w/ID 2/27. (Adkins-Calif)
 860 KONO Texas-San Antonio in like a local at 0855 3/9 w/C&W mx. (Grenier-Calif)
 900 WMOP Florida-Ocala logged during test at 0844½ s/off, "At 900 kc in Ocala, Florida, WMOP-AM concluding testing purposes and activities." (Kamp-Tex)
 910 KFTRE California-Fresno logged on crystal set at S9+40 level during 2/16 DX Special for ASWLC/IRCA. Got out very well. (Sadoian-Calif) Logged here in Ohio with a good signal-some QRM from other stations testing. Solicited phone calls-even collect, I believe. (Migley-Ohio) See next page for the results of the KFTRE DX Special.
 960 KOOL Arizona-Phoenix hrd 3/4 at 0405 w/mx. Very good reception. (Adkins-Calif)
 990 CBW Manitoba-Winnepeg good 0640-0711 s/off. "Music Past Midnight" 0640-0659, ID, news at 0700, weather 0703-0708, followed by a religious program to 0710, then s/off anmt. (Kamp-Tex)
 1020 KSWS New Mexico-Roswell good 2/27 at 0700 s/off. (Adkins-Calif)
 1060 KUPD Arizona-Tempe heard here at 0830 3/5 w/pop mx. (Grenier-Calif)
 1120 KPNW Oregon-Eugene fair 2/27 at 0515 w/ID. (Adkins-Calif)
 1310 KBUZ Arizona-Mesa noted at 0707 s/off 3/9 w/SSB to return at 1200. (Sadoian-Calif)

CBEF in Windsor, Ontario will begin regular broadcasting on April 20 with programs entirely in French on 540 kc. according to R.A. Clark, Technical Supervisor. (Palmer-MI)

BCB InternationalKFRE-940 DX Special

The KFRE DX Special test conducted in cooperation with ASWLC and IRCA and arranged by Chuck Sadoian was heard in a total of 12 states and 2 provinces by 50 reporters!! Reports were received by mail from 9 states and 2 provinces-22 reporters, and by phone from 7 states and 2 provinces-30 reporters. Mr. Don Bell expressed pleasure with the results of the test and offered to do another test next year.

Reception reports by mail:

Wayne Plunkett-	Weston, Ontario
Dan Myers	Toledo, Ohio
Jerry Starr	Youngstown, Ohio
Tim Davission	Akron, Ohio
Adolph Rattay	Warren, Ohio
Bill Migley	Lancaster, Ohio
Larry Abraham	Frankenmuth, Mich
George Bryson	Detroit, Mich
Robert Hostettler-	Lake City, Minn
Bill Wall	Chicago, Ill
Richard Palmer	Decatur, Ill
Raymond Coleman	Huntington, NY
Ken Chatterman	Mannsville, NY
Joseph Fela	South Plainfield, NJ
Terry Jarvis	Kirkville, Missouri
Walter Breville	St. Louis, Missouri
David Peters	Modesto, Calif
Fr. John Pejza	Ojai, Calif
Don Adams	San Jose, Calif
Mike Hardester	Modesto, Calif
Patrick Martin	Warrenton, Oregon
Larry Killick	Vancouver, Br. Columbia

Reception reports by phone:

George Bryson	Detroit, Mich
Dick Truax	Charleston, W.Va.
Wayne Plunkett	Weston, Ontario
Susie Wright	Fort Bragg, NC
Peggy Tibbets	Medford, Ore
Ken Louderback	Salem, Ore
William Gomez	Portland, Ore
Mabel Steimann	Salem, Ore
Bob Calkins	Portland, Ore
Dave Beach	Salem, Ore
Bruce James	Mammoth, Ore
Sherrie Lutz	Lincoln City, Ore
Robin Wheeler	Victoria, Br. Columbia
Earl Campbell	Powell River, B.C.
Phill McCloud	Vancouver, B.C.
Linda Milton	Victoria, B.C.
Carlos Furtado	Vancouver, B.C.
Gary Torrence	Longview, Wash.
Tom Morton	Hoquiam, Wash.
Ricky Ann Eneeley-	Kettle Falls, Wash
Ted Foster	Corvallis, Wash
Len Lockwood	Olympia, Wash
Robert Lawrence	Chehalis, Wash
Ken Krebs	Ellensburg, Wash.
Dean Rowley	Ellensburg, Wash.
Derell Kelch	Chico, Calif
Doug Carroll	Ferndale, Calif
Jim Eensinger	San Luis Obispo, Calif
Ann Means	Yosemite, Calif
Willie Schmidt	Valdez, Alaska

"Could not hear the KXL-750 test."
(Widner-Ind) Neither could I.-ed. I
don't believe it was on.

"Night of 2/22/70 was the best TA
night heard here so far this DX season.
Anytime I can overcome ITV around 818, and
pick off 718, 719, and 720 with 3 distinct
signals has got to be good!"(Sundstrom-NJ)

(From Gerald Arrington-Selma, Calif.)

"My friend, Gary Jackson, of Sacramento, was here for a visit recently and had a letter of verification from Gilbert & Ellice Islands which I think is worthy to mention. As you know, this station is hard enough to catch on SW, much less on BCB. Here is the exact letter:

Dear Mr. Jackson:

Many thanks for your letter, your tape and the booklet on Calif. We certainly your reception report for 2 of Feb. 1970 on 844 KC. This is a new Xmitter which we put into service on 9 of Jan. We were surprised to hear how good a signal you were receiving on a car radio. We have had several tapes sent to us from the USA. I should think that yours is the best we have ever heard. Our new Xmitter is a 10KW Marconi using a 3 wire aerial 250 ft. long on 180 ft. masts. Our farthest report so far has come from Va. but we are having difficulty in verifying that one.

Thanking you for your interest
Your Sincerely,
Alan Robart, Broadcasting Engineer

BCB InternationalASWLC 1969-1970 Winter BCB Contest

	Score	States	Provinces	Countries	Foreign Stations	Total Stations
Boomer-WVa	1059	30	4	14	31	214
Campbell-Mich	711	33	4	5	3	201
Ferry-Calif	908	28	5	8	18	198
Kamp-Tex	605	24	7	7	10	70
Laurier-NY	474	23	3	4	2	114
Mayo-NY	894	27	2	14	21	149
Migley-Ohio	1073	37	6	11	25	218 *
Nelson-Mass	2397	1	1	51	100	102
Palmer-Mich	558	28	4	4	5	113
Sadoian-Calif	1172	17	6	25	35	92 **
Sprague-Kans	525	..	..	..	..	...
Steele-Mich	1799	36	4	28	87	264
Weeks-Kans	221	15	0	1	0	46

This is pretty much the final tabulation, although we will run the Final results next month with any last minute additions, corrections, etc. which you can submit in your May reports. The * indicates ASWLC DX Special logging which counted a 25 point bonus.

<u>Statistics</u>	States	Provinces	Countries	Stations
Bochantin-Ill	33/31	5/5	10/6	244/61
Boomer-WVa	41/39	7/7	19/13	400/70 A
Bundy-E. Caroline Is.	7/7	1/1	32/15	237/33
Campbell-Mich	33/26	4/0	5/1	201/33
Ferry-Calif	28/25	5/4	8/3	198/51
Kamp-Tex	21/19	3/2	9/5	77/42
Migley-Ohio	45/44	8/8	24/15	481/289
Palmer-Mich	28/12	4/3	5/3	113/19
Sadoian-Calif	39/38	5/5	25/15	241/142
Sprague-Kans	33/25	1/1	5/2	291/37
Sundstrom-NJ	41/..	7/.	48/..	528/...

Reporters:

Terry Adkins-Orange, Calif. (SW-4A- on loan from a friend)
 Tom Sundstrom-Willingboro, NJ
 Jack Widner-Indianapolis, Ind.
 Gerald Arrington-Selma, Calif.
 Chuck Sadoian-Dinuba, Calif.
 Tom Palmer-Detroit, Mich.
 Pete Grenier-Azusa, Calif
 Steve Kamp-Irving, Texas (Hq140X; 4' loop; 30' & 60' longwires)
 Gary Steele-Benton Harbor, Mich.
 Richard Chisak-Kingston, Pa. (Lafayette Explor-air Mark V; 30' longwire)
 Paul Kinnaly-Dedham, Mass
 Bill Migley-Ohio (Zenith M660; 4' loop)

I've been doing this column for ASWLC since December 1966. In that time I've received reports from I-don't-know-how-many people and have made some very fine friendships along the way. I regret that I have to give up doing this column as my college work load increases and will probably attend the main campus of Ohio U. in the fall making club work practically impossible. All reports should still be sent to me until the new editor is named.

73's, BILL

ASWLC
QSL
CORNER

APRIL 1970

ASWLC
QSL
CORNER

Editors: Bill Flynn, WPE6AF, P.O.Box 473, Mountain View, CA 94040
Gary Steele, WPE8KEQ, 290 Elmside, Benton Harbor, MI 49022
Deadline for QSL Report Section: 15th of preceeding month.

AFRICA

- ALGERIA: RT Algerienne, 9510/11835: wh/blk /yellow C - 70D, sea. ASWLC Fr rpt + 2 IRC (Hall) 11810: "Camels" blk/green C + rf - 6W. Fr rpt. (Palmer)
- ANGOLA: R Angola, 3375: "Traditional Authorities" PC, full veri /s/ Feliciano Fly. 150D, sea. (Hall)
- ASCENSION I.: BEC Atlantic Relay, 11920: "Thames" C - 60D. Rptd to Ascension w/ 3 IRC, C from London. (Jarasius)
- CAPE VERDE IS.: CR4AA, R Cl. do Cabo Verde, 3960: green/red C - 20D, air. Sent registered NASWA Pt rpt + 3IRC. Now back on 3883. (Henderson)
- CONGO REP.(BRAZZAVILLE): ORTF, 4800: brn/yel folder w/ full veri - 37D, air. Fr rpt, IRC. (Hall) 15190: 10W, air. Eng rpt, PC's & 2 IRC. (Soneff)
- ETHIOPIA: ETLF, 11890: C - 27D, air. 3 IRC. (Jarasius) 15400: blue C - 5 $\frac{1}{2}$ M. (Patterson)
- GHANA: GBC, 4915: red/yel/grn border C - 6W. (Patterson)
- LIBERIA: VOA, Monrovia, 3990: "Star" C in 18 hrs, phoned rpt. (Henderson) Hard to beat that record! ELWA, 11975: C, sked, tract, 5 Liberian stamps - 23D, air. 2IRC (Kratte)
- NIGERIA: RTV Kaduna, 9570: L /s/ G P J White, CE. No date, all other info. 3W, air. 1 IRC (Palmer) Also mimeo sked - 3W. (Patterson)
- RWANDA: Rdfn Rwanda, 6055: C has Fr/Eng veri statement - 28D, air. NASWA Fr rpt. (Henderson)
- SENEGAL: Ziguinchor, 3366: 2 "Fiddle" C's, 1st from Dakar, 2nd direct. 157D, sea. Fr rpt + 3 IRC. (Hall)
- SEYCHELLES: FEBA, 15165: C, L & sked - 38D air after FU. Rptd registered, 4 IRC (Henderson)
- SOUTH AFRICA: R RSA, 9705: regular C - 1 $\frac{1}{2}$ M. (Hudson) New C due but printing difficulties, available perhaps by now.
- TOGO: Rdfn Togo, 5047: C - 3W. IRC. (Fisher) Map C - 6W. 2nd try successful. (Patterson)
- TUNISIA: RT Tunis. 11900/6195: Tunis view C, full veri for both. 17D, sea; ms. (Hall) 11900: C-12D, air. Eng rpt, 3 IRC. (Henderson)
- U.A.R.(EGYPT): R Cairo, 21580: green "3 women" C, veri in Fr /s/ F Mostafa, + PC, booklet, request for rpts on various test xmsns. (d'Adolf)
- ZANZIBAR: R Tanzania-Zanzibar, 3339: aerogramme /s/ Omar M Omar, says trx & QSL C is on way. Registered rpt, PC, 3 IRC. (Koukol)

ASIA

- CHINA, REP. OF(TAIWAN): VOFC, 17890: World map C + PC, sked. 43D, air. 2nd try, 3 IRC. (d'Adolf) C, sked, PC + "VOFC Monthly" - 36D, air. (Kratte)
- INDONESIA/SUMATRA: RRI, Banda Atjeh, 4955: L in Indonesian, may be veri - 24D, air. NASWA Indones. rpt + ms. (Kamp) Nice going, Steve, 1st reply heard of.
- IRAN: R Teheran, 11735: C + "Tran Today" - 9M. /s/ E Golesorkhi. IRC. (Fisher)
- IRAQ: R Baghdad, 6095: yell/blue map C, veri in Eng/Fr/Ger. 13W. (Patterson)
- ISRAEL: Kol Israel, 9625: "Fr Engraving of Jerusalem" C, L, sked, newspaper - 5W. (Mahler)
- JAPAN: R Japan, 9505: Expo 70 "Totem Pole" C - 3W. No RP. (Fisher) 17825: C, sked, brochure, rf - 21, air. (Kratte) Expo 70 C, sked, rf - 2M. (Mahler) 15445: Expo "Tower of Sun" C + aerogramme & pennant - 2W. (Palmer) FEN, 6155: wh/blue C /s/ Lt Col Forte, Chief, FEN - 2 $\frac{1}{2}$ W. (Patterson)
- KUWAIT: R Kuwait, 4967 $\frac{1}{2}$: folder + bus. C of Jawad Al-iazudi, EIC, nothing specific. 17 D, air. 3 IRC. (Mahler)

Members of ASWLC, ARISE & swamp Gary Steele with reports of your statistics, listening post details, comments and suggestions for the QSL CORNER.

PHILIPPINES: PBS, 6170: L /s/ L B Quintos.
Full info.- 186D, air. 2 IRC (Mahler)

HUNGARY: R Budapest, 6234: "DX Show & SWL
Club" C + mag -61D, sea. (Kratzer)

SAUDI ARABIA: SAB, 15150: Swords/palm tree
C /s/ Storg, CE. Mailed from Munich. 17W
(Patterson) He seems to commute, Pat !

ITALY: RAI: C, followed by sked & Listen-
ers' mag 3M later. (Campbell)

TURKEY: V of Turkey, 15160: C -6M, sea. 2
IRC. (Jarasius)

MONACO: TWR, 7290: "TWR Bldg" C - 1M. 2
IRC. (Campbell) C & religious lit.- 3W.
2 IRC. (Fisher)

OCEANIA

AUSTRALIA: RA, Darwin, 9580: Koala Bear C
-2 $\frac{1}{2}$ M, sea. (Hudson) 11710: Flowers C - 84D
sea. No RP (Jarasius). Red Cap Gum & Tas-
man Bridge C's resp, sked, rf - 2 $\frac{1}{2}$ & 9M
Rpts on their rf's. (Mahler)

NORWAY: R Norway, 9610: Winter Scene C -3
W. No RP. (Fisher) LLK, 11850: color scene
of Lillehammer /s/ E Thokle. 3W. (Patterson)

EUROPE

ALBANIA: R Tirana, 6200: folder C: "Flag,
pick & gun" (Hudson)

POLAND: R Warsaw, 7125: C, sked, L /s/ K
Gochman, Ed Eng Sect - 50D, air. (Kratzer)
9655: Map of Poznam C, sked, L, rf (Mahler)

AUSTRIA: OR, 9770, 6155: FC of Württhersee,
full V + sked, rf's. 1M. (Mahler)

PORTUGAL: R Portugal, 21495: World Map C,
newsletter, info book, rf's 20D, air. 1M
w/ 2 IRC. (d'Adolf) 6025: same 15D, air.
(Hudson) Regional Costume C in reply to
3 freqs via rf. (Mahler)

AZORES: Emis Reg dos Açores, 4865: regular
EM "ship" C w/full V + "E.R. Açores" - 31D,
air from Lisbon. ASWLC Pt rpt + 2 IRC.
(Hall) Same in 22D, 2nd try. 2 IRC. (Koukol)

R S F S R, European: 9645: "RockBa" C +
sked - 1M. (Campbell)

BELGIUM: ORU, 6125: C, sked, "Mailbag" -42D,
air. IRC's. (Kamp) Colorful complete veri
C -91D, sea (Kratzer) Blue/red/yell C,
sked, xscript of Mailbag - 1M (Mahler)

SICILY: RAT, Caltanissetta, 7175: usual RAI
C, full veri -65D, sea. 1 IRC. (Koukol)

SWEDEN: R Sweden, 5990: "Northern Lights" C
-28D. (Campbell) 23D (Hudson) 12D, air.
IRC's sent. (Kamp)

CZECHOSLOVAKIA: R Prague, 7345: "Demanova
Cave" C-15D, air. 15445: blue/pink "Steep-
les" C -1M. 7345: b&w "Karlovy Vary" C -1
M. 11990: b&w "Thermia Palace" C - 1 $\frac{1}{2}$ M (all
by Hudson)

SWITZERLAND: SBC, 9535: "Antenna farm" C
-1M. (Campbell)

DENMARK: R Denmark, 15165: map C /s/ S
Jackson - 1 3/4M (Hudson) Map C + "DX
Window Memory C" -55D, air. (Kratzer)

UKRAINIAN S S R: R Kiev, 11730: C w/ full
veri after 2nd request. 4M, air. (Kratzer)

SOUTH AMERICA

FINLAND: R Finland, 15185: map C & sked
(Kratzer)

ARGENTINA: LRX2, R El Mundo, 9710: nice
red/black/white C after 8M ! Note "Sorry
for delay". No RP. (Haynes) Attractive
Eng/Sp C w/ freq, veri statement. 220D.
Note apologizes for delay, thanks for
some U.S. stamps sent. Returned IRC + pack-
et of Argentine stamps. (Koukol)

GERMANY, W: DW, 9545: Map of Europe C +
Listeners mag. 70D, (Campbell)

BRAZIL: ZYY2, R Brazil Central, 4995: Eng/
Pt form L + Brazilian stamps - 17D, air.
NASWA Pt rpt form + ms, U S stamps. (Kamp)
R Cl de Ribeirao Prato, 15415: L + decal.
/s/ unreadable. 16D air, ms. (Sparks)
ZYK33, R Jornal do Comercio, 15145: nice
Eng L veri /s/ Arturo S Miranda, Tech in
Chg. 2W, air. IRC + U S stamps. 3rd try-
26th Brazil veri. (Editor)

GREECE: FBS, Athens, 6045: full V L + sked;
/s/ Col A Kazos. 16D, air. Tape + 3 IRC.
(Lobdell)

HOLLAND (NETHERLANDS): R Nederland, 9715:
DX Juke Box QSL PC in 4D air. No RP.
Pretty quick service ! (Kinnaly)

CHILE: CE970, La Voz de Chile, 9690 (1k):
cartoon C in Sp: date & "CE970" call. 9M.
(Patterson)

COLOMBIA: HJAG, Emisora Atlantico, 4905:
Sp L + nice pennant. Apparently say "tnx,
glad you enjoy our prgms" (Soneff) John,
I'd call it a QSL, since they indicate
you heard them as you "enjoyed" them.

ECUADOR: HCJB: Inca art design C - 2 $\frac{1}{2}$ M, sea.
(Hudson) HCMJ1, Emisora Gran Colombia,
4910: Sp L /s/ Eduarso Cevallos C + small
wh/red/silver/gold pennant. 7W. (Patterson)
La Voz de Esmeraldas, 4875: L /s/ Hector
A Endara E - 11M. ms. (Sparks)

GUYANA: R Demerara, 5980: large plain yell-
ow C lists freqs, gives date. 16D, air.
IRC + WPE C (Palmer)

VENEZUELA: YVMQ, R Barquisimeto, 4990:
green/wh "globe" C - 2W. IRC's. (Haynes)
Venez. Tel.Co., 13890: C - 26D, air. 2 IRC
(Jarasius) YVQE, R Baracaibo, 4860 (is
10K): color PC of bridge over Lake M.,
complete Eng/Sp veri on address disc /s/
Gumersindo Gonzalez, Dir. 19D : (Patterson)

NORTH AMERICA

ARTILLES, N W I: Tel & Tel Adm, 12000A:
PC of oil field w/ veri typed on back. -
15d, air. 2 IRC (Jarasius)

BAHAMAS: Telecommunications Dept., Nassau,
3375: PFC signed & stamped by CE. 82D.
(Hall)

CANADA: CHNX, 6130: full V C /s/ Kathleen
Davis. 13D, ms. (Kamp) CFCX, 6005 (loca-
tion is Caughnawaga, Que.): long white C
w/ "CFCX" in red, date of rx only. 6W.
(Patterson)

COSTA RICA: TIHEG, 6065 (1k): L in Eng /s/
Miss G Farahona, Sec. Says only info is
correct. 1 year. (Patterson)

DOMINICAN REP.: HIBD, La Voz de La Romana,
3335: Sp L w/ veri statement, PC. /s/
Norberto E Martinez R, Dir/Prop. Used
NASWA Sp form, ms, PFC. 15D, air. (Kamp)
7W, air. ms. (Sparks)

EL SALVADOR: YSS, R Nacional, 5980: veri C
+ form L both same day for rpts 5M & 2M out
respectively. No RP. (Fisher) 9555: pen-
nant + eng/Sp L, brochure, form L - 7W.
Sent tnx C & rcvd C (perhaps in response)
2M later : (Soneff)

GRENADE (WINDWARD IS.): WIBS, 11970: C,
tells freqs used - 2M on only 1 try.
(Hudson)

HONDURAS: HRVC, R Evangelica, 4820: C +
sked - 33D, air. 3 IRC. (Jarasius) HRF,
Tropical R&T, 11175A: usual TR&T C, quote
14495. Rpt sent to TR&T, Boston; C from
Honduras - 15D, air. (Kamp)

MEXICO: XEJW, Eco de Sotavento, 6020
(250w): Sp L /s/ Baltazar Pazos de la
Torre, eng. Not 5K per WRTH70, that's
on 1W. 111. (Patterson)

PUERTO RICO: San Juan Aeradio, 8837:
returned PFC in SASE - 23D, sea. /s/
Henry L Diaz, Ctr Opns Chief. (Kamp)

THANKS TO THIS MONTH'S REPORTERS

PETER CAMPBELL, Ann Arbor, MI; STEVE
d'ADOLF, KX6PELB, Lwajalein, Marshall Is;
ROBERT W FISHER, Los Angeles, CA; DR.
EARLE HALL, Winchendon, MA; ROY HAYNES,
WPE6HEI, San Jose, CA; DAN HENDERSON,
Laurel, MD; JACK HUDSON, Five Points, AL;
ARVIDAS JARASIUS, WPE9JFS, Lansing, IL;
STEVE KALP, Irving, TX; PAUL KINNALLY,
WPE1HRJ, Dedham, MA; JULIAN J KRATTER,
Little Neck, NY; MARK KOUKOL, WPE9JKV,
Naperville, IL; CHRIS LOEBELL, WPE1GCI,
Reading, MA; DR. DONALD LAHLER, Newton
Center, MA; TOM PALMER, WPE8KHJ, Detroit,
MI; PAT PATTERSON, WPE4KHW, Decatur, GA;
JON T SONEFF, JR., New Orleans, LA; BILL
SPARKS, San Francisco, CA.

NEWS FROM SWEDEN

IRC's are good in Sweden, advises Alf
Palmquist, Secretary of Radio Clube of
Sweden (SRK) & Co-editor of SRK's "DX
Radio" one of the world's best known DX
publications. He sends the very fine SRK
List of Latin American verifications recei-
ved during 1969, which we hope to present
in brief when space/time permits.

RADIO PORTUGAL

The DX Club Newssheet #22 of Radio
Portugal notes that a shortage of person-
nel and staff in the Correspondence Depart-
ment resulted in the past backlog of veri-
fications and replies, but that things are
now well in hand. The Club offers some
special privledges & awards worth investi-
gating.

QSL SURVEY...In the event that you didn't catch the questions we are asking you to answer, here they are once again. (And we ask for SWBC and Utility only.)

- 1) What is the one most attractive QSL you have received?
- 2) What one verification contains the most accurate and complete verifying information?
- 3) What one station earns, in your opinion, the "best verified" status? (On basis of accuracy, speed, etc.)
- 4) What country would you most like to log and verify in the future?
- 5) Are there any stations that, after many reports, apparently refuse to verify your reports? (Or do so only after MANY rpts and f/ups)

When sending in your answers, please include your statistics for QSL LADDER. The deadline is extended to MAY 28th, 1970.

ASWLC QSL LADDER

- Mark Koukol, WPE9JKV; Illinois
VIC 139/VIS 170...RO-3...90% Return
Favorite- Bissau, Port. Guinea; 5041
- Steve Kamp, WPE5EUT; Texas
VIC 88/VIS 138
Receiver- Hammarlund HQ-140X
- Jim Thornton; California
VIC 76...RO-4...94.5% Return
Favorite- R.Tahiti...RCVR- Drake SW-4A
- Bob Estand, WPE5FAV; Texas
VIC 72/VIS 87

Dr. Donald Mahler, WPE1HOK; Massachusetts
VIC 67/VIS 127...RO-11...89% Return
Favorite- Pt. Moresby, Papua, VLT4-4890

Charles Gansco, WPE9JYE; Illinois
VIC 31/VIS 51...RO-4...91% Return
Favorite- VOA Phillipines, 17.7 MhzY

Anthony C. Marks, WPE7CYQ; Oregon
VIC 21...Favorite- R. Japan, NHK
RCVR- DX-150 w/ 90' L & Joymatch ATU

IF YOU WOULD LIKE TO BE LISTED IN THE QSL LADDER, SIMPLY SEND IN YOUR QSL TOTALS AS FOLLOWS:

- VIC- Countries verified (SWBC/Utility)
- VIS- Stations verified..RO- Reports out
- %-- Percentage of stations that have replied with a QSL.

Your Favorite QSL.... Receiver & antenna
CONTRIBUTE TO THE ASWLC COLUMN OF YOUR CHOICE. (OR COLUMNS!)

MAILBOX

From David Millard, Arcadia, California...."Recently, I received a card from R Japan, and one from R Barquisimeto, in Venezuela; neither of which stated the time of transmission. I also rcvd a card from R Ceylon which stated only that my report had been verified. Are these true QSL's? If not, what are the essential requirements for a QSL?.....Certainly! These all can be considered as valid QSLs. These were all a positive reply; most likely the station would not have replied should your report have been incorrect. Although many DXers (and DX clubs) will contend that, for a QSL to be valid, it should include date/time/freq/date verified; ASWLC, in its own QSL policy, takes the opinion that: "...Because a station might fail to include a date, time, or frequency does not necessarily mean they are not verifying your report; it means that they did not include this data.."

The basis for counting (or not counting) a QSL should be the knowledge that a person heard the station; and, in turn, has a card or letter in his possession that may be construed to verify this. Should a station simply say that your rpt was 'confirmed', 'accurate', 'verified', or words to this effect; then the card or letter should be considered a valid QSL.

Station schedules, a pennant, or a letter or card stating "incorrect info" obviously do not constitute a valid QSL. In many cases, the DXer will receive (especially from LA stations!) a reply stating "Thank you for your report" and mentioning nothing about its being correct. If, and only if, the station would most likely not have replied, this form of reply may be counted. Questions may be forwarded to QSL-C if your 'QSL' is a question mark to you as to "Should I or not".

...Terry Hicks, 3242 NW 39th St., Ft. Lauderdale, FLA....While this is slightly off the QSL subject, this DXer would appreciate receiving old radio mags, club bulletins, or material related to radio; this to build up his collection AND to send to penpals in Ghana. Why not drop Terry a line should you have what he might need?

Quite a fine response from a total of 18 contributors. My thanks to all!
Best wishes and QSL's, Gary

Gene Moser - Route 4, Box 11A - Coloma, Michigan 49038

Just read the ASWLC Article on blotting out communist jammers. I agree with part of what they say, but tell a new SWL not to report to the USSR or Peking when he needs these countries for an award and you might as well save the breath and tune in the VOA. I say send in that report, then stop reporting after you receive your QSL. Don't stop reporting to non-communist countries. After all, they need our reports to stay on the air. As for John E. Weeks' comment: Sock it to um! Jack Widner is right. Let's deep the Forum just that! Why not bring "Meet the Members" back so we can get together and be a club of more than officers trying to keep our members' interests alive? Let's help them out!! (I want to make one comment here, Gene. As I said last issue, a "Meet the Members" type report is welcome in this column, along with reports that express your opinion on a certain subject. Both serve a purpose, and both are usually interesting to read --ed)

Mario A. Sala - 11613 Wilkie Avenue - Inglewood, Calif 90303

As a more recent member of this club, and also this hobby, I am sure there are many people like myself who enjoy reading this column, and also the very fine column by Robert LaRose, "Tricks of the Trade." The only way we can learn is by what we read and experience. I, for one, would like to see more stress on receivers being used, and articles and people writing in to this column and voicing opinions on their particular receiver. We see many fine tips and catches each month, and yet we have no idea as to what type of receiver is being used. Couldn't the reporters include the make and possibly the model number of their receiver at the end of their reception reports? We would then have a better idea of receiver capabilities and it would help many of us who are considering the purchase of a new or better receiver. When I see tips by Dr. Caldwell.....I always wonder what he is using. (nice point--ed)

Jeff Smith - 245 North Garner Road - Milford, Michigan 48042

I'd like to take this opportunity to introduce myself to the membership. I am a new ASWLC member, and am real glad that I joined. I'm a 16 year old junior in high school and an avid SWL. I have a Heathkit GR-54 receiver, and use a 75 foot horizontal longwire antenna facing East and West. So far, I have 14 countries verified, and have 21 QSL cards all together. I earned the money for my receiver scooping ice cream all last summer in a local ice cream parlor. I keep myself quite busy with activities at school, church, and elsewhere. I am an organizer of an environment group at school. It's called the Milford Environmental Student Society(M.E.S.S.). With such activities as student council, National Honor Society, French Club, Debate Team, and trying to save the world, I've had a hard time doing much SWLing. I try to keep up on the major DX shows(DX Party line, DX Jukebox, etc.) for DX tips. I am a member of the BEC World Radio Club and the CBC DX Club. After graduating from high school next June, I hope to go to Michigan State University and major in radio broadcasting(what else?). A long range goal is to work for an international broadcaster like the VOA. I have a Panasonic model RQ-102S portable tape recorder. I would be willing to trade DX tips with someone on tape(the recorder holds 3" reels maximum). I would like to correspond with someone(preferably in the Michigan area) and exchange DX information.....I am really impressed with the ASWLC and its members and hope to remain a member for a long time to come. 73's to everyone & FEACE!

David W. Thorne - 1506 Dresser Street - Santa Ana, Calif 92701

Here's a new idea that might be fun to kick around. How about "Handicap" DXing? By this I mean, how many stations, states, countries, etc., can you log on a crystal set?(I'm serious). Or: how many on a one tube set, or a two tube/transistor set? or you name it! Maybe a contest using any of these or maybe using only pre-1930 rx's(or 1940?). Of course, any contests would have to be on the "Honor" system(no way to tell how many were logged). So far I have logged 4 stns on my crystal set. Obviously those in metropolitan areas would have an advantage, so an over 25 or 50 mile limit could possibly be used. I would be interested in some of your views on this, just for fun. Also, does anyone have a QSL from the International Red Cross, 7.210 MHz on their test xmission via the SBC? Let me know, and how you got it. Also, I'm having trouble getting a verie from The Voice of Spain, and also Portugal. Would like to hear from members with the following RX's: Galaxy R-530, Eddystone EC-10, and Ameco R-5. ASWLC is THE BEST and so is HCJB. 73

Jim Thornton - 935 Sunset Avenue - Venice, Calif 90291

I propose the standardization of a policy in determining countries for the ASWLC Country List (Reference: SWR, March 1969). The Country List contains all 17 republics of the USSR, and 5 sub-groupings of Indonesia; yet, counts the 4 internal transmitter sites of the Voice of America as only one. I see no reason to increase the value of Radio Moscow, by permitting it to be counted 17 times. Nor do I see any reason to count Indonesia, more than once. I thought that a country had to be physically separated from one section to another to be counted more than once. Example: West Pakistan and East Pakistan, which is separated by India. My atlas shows the various islands of Indonesia, all in close range of each other, and do not exceed the 100 mile limitation. As the final point, I recommend that the World Radio TV Handbook be employed as the sole source, and all country lists be developed from the WRTVH. This would save much time and eliminate the confusion of the reporters and editors, in correctly identifying countries. Example: Sorong, RRI should be Indonesia or West Irian (March, 1970 SWR), Archangelsk or Vladivostok confusion of RSFSR (European) (Jan 1970 SWR)! The poor QSL policy of Radio Moscow in identifying their transmitter sites should also add to my point of reducing the USSR to one country per the WRTVH. 73's

Stewart MacKenzie - 16182 Ballad Lane - Huntington Beach, Calif 92647

Re ISWC article: I agree with ISWC concerning JAMMERS. I doubt very much that the hobby can put an end to it because jamming is a political device. Thus, we as listeners will have to put up with it. The USSR nor Peking are going to stop so we might as well figure it will last until the big powers decide not to use it any more. Whether or not to send reception reports to the offending countries must be left up to each individual. The individual must be his own censor and operate his own blacklist. We of ASWLC have no blacklist. The ISWC blacklisting of other hobby clubs will only hurt ISWC in the long run. The ideals of ISWC are high, so high that they are in their own little world. Jamming is here to stay so long as the offending countries feel it is working on their behalf. Re Anthony Marks: He should not feel that ASWLC will be mad at him for his anti-HCJB remarks. I am not angry with him and I hope he'll continue to support the ASWLC. HCJB's radio service is to preach since it is a religious station. Those who are offended by it can easily tune to another station. No one is forced to listen to any station. You listen because you want to or else you would not have tuned in. We don't "push" HCJB, nor does HCJB "push" us. They use "SWL" as their official DX source for DX PARTY LINE (If I may interject something Stew, I think that the fact that HCJB does use "SWL" as its official news source means that it does push our club, but only because of the superior DX tips we have--ed). They also mention other clubs and news sheets. I am not ashamed to be connected to a CHRISTian stn or to be a CHRISTian in its true science.....a follower of CHRIST. How many in this day and age can claim to be a real Christian and just give lip-service??

Serge C.P. Neumann - American Forces TV - Box 2704 - APO NY 09009

I'd like to bring up several points. First, the policy of boycotting stations as suggested by the ISWC. It has been estimated that only 1/10th of all radio listeners belong to radio clubs. Others have no use for them, or have never heard of them. Even if every DXer boycotted a station, it wouldn't make much of a dent--it wouldn't make any difference to the station simply because 9/10ths of all radio listeners would be a potential audience. Boycotting is an unrealistic venture, but perhaps the only alternative. Secondly, I believe the title of DX FORUM should remain. The contents should be altered. Discussions of current SWL topics is one of the most valuable outgrowths of a club bulletin. It offers the membership a chance to speak out on topics. I concur with Jack Widner that the FORUM should remain, and be that, not a "Meet the Members". Thirdly, I believe the recent poll taken by Jack White for ASWLC demonstrates one again that ASWLC's BoD and membership reappraise the value of each section. How would the membership feel about a smaller bulletin, with fewer sections, yet Air Mail delivery (all at the same x cost as the present product)? I, for one, would rather have a newsworthy and timely bulletin with less non-essentials (non-essentials being defined by the membership opinion survey).

Great section this month guys, tnx for all your fine comments. Let's hear from all of you DXers out there next month. Till next time....73 & good DX CHUCK

Editor: Robert LaRose, 172 College Complex Circle Apt 6, Rochester, NY, 14623

This month we begin a series of articles dealing with the various forms of communication (other than AM and SSB voice) used in the high frequency spectrum. We start off with a brief introduction into several of these modes. Based on your reactions, we can continue and go into more detail (in layman's language) or go on to other topics. Let us know your reactions!

WHAT'S THAT ?

While tuning across the high frequency spectrum the DXer encounters all sorts of weird sounds and noises. Some of them seem to possess a certain mystique while others just sound like a pile of radio "garbage". The novice DXer, either by his own discovery or by word of mouth from experienced DXers, is eventually able to identify at least some of these transmissions. However, there are some transmissions which very few DXers are ever able to identify.

Aside from AM and SSB voice, CW (radiotelegraph) transmissions are probably the first method (mode) that is recognized. Certainly not hard to identify, CW is transmitted by turning the transmitter on and off. The proportionate length of each "on" determines whether it is a "dot" or a "dash". I'm sure you know the rest of the story about how the letters, numbers and punctuation are made up from these dots and dashes. The speed at which these transmissions are made varies greatly. DXers who tune the amateur bands often hear transmissions at a few words per minute. On the other hand, most commercial stations transmit at roughly 13 words per minute.

The next type of transmission that is usually identified is Radioteletype. It is clear to the listener that some type of information is being passed at a high rate of speed. If you turn on your BFO (put your function switch in CW or SSB mode) you should note that most such stations are alternately transmitting on two slightly different frequencies. This form of Radioteletype is called Frequency Shift Key (FSK). The format of the shift (spacing, duration, etc.) is determined by the characters being typed on the teletype keyboard. The shift between the two frequencies is usually 850 Hertz, although shifts of 170 and 85 Hertz are also found. The information can be sent at several different standard speeds, 60 words per minute (wpm) being quite common.

Another type of transmission which is fairly easy to identify is Facsimile (FAX). There are several methods of sending these pictures. The most common consists of a sequence of frequency shifts representing light and dark areas. Over a ~~xxxx~~ few seconds time, the FAX machine (which scans the ~~xx~~ picture being transmitted) scans closely spaced adjacent paths or lines on the picture. Since these lines are closely spaced, the changes in transmitted data for each adjacent line are very small. Consequently the transmissions are distinguished by their repetitive nature. Listen for a signal which varies in sounds but repeats every few seconds.

Scrambled voice is another form which can be readily be identified. This is what many point-to-point stations call "condition A" while "condition B" is normal transmission. Since scrambled voice ~~is~~ is often transmitted over SSB radio circuits, many DXers hear it and blame their inability to properly tune the station on their lack of a good SSB receiver. However, as DXers with receivers designed for SSB reception will tell you they can't make the stations intelligible either. The reason is simple,

P.T.O.

WHAT'S THAT ? (continued)

the speech has been scrambled at the transmitter ~~xxx~~ to prevent "casual listening" by unauthorized listeners (that means us, among others). The actual scrambling can be done in many ways. One popular method in the past was to filter-out low and high voice frequencies then transmit them in opposite slots (high frequencies go where the low ones were, etc.). At the receiver end the process is reversed, the signals recombined and normal voice results. Another method used in AM telephony was to mix the voice frequencies with a steady tone. The end effect was a simple inversion of the voice. However, certain technical sideeffects of the use of SSB make this method useless since the scrambling can be broken by tuning slightly off frequency and listening to the opposite sideband. A modern method which has caught on fairly well is called CODAVOX. This system is now in use between some high seas public correspondence stations (run by the AT & T here in the U.S.) and some of the larger passenger ships (QE-II, etc.). The CODAVOX system filters the voice frequency spectrum into five "pieces" and then, according to a prearranged code, shifts and inverts the pieces. The jumble is then transmitted over a normal voice circuit. A device at the receiving end, set for the proper code, re-shifts/inverts the pieces back into their proper positions to result in the normal voice. Scrambled voice resembles voice in its characteristics but is completely unintelligible.

Next month we will continue this series with an explanation of what the "high pitched" buzz-saw sound is that is frequently heard across the bands.

FEEDBACK.

Ken Stanton of El Segundo, Calif writes: "Recently you wrote in your column about a versatile crystal calibrator made by LAB 1. I purchased one and it works great. It needs three size "C" batteries and a 100kHz crystal. I took the crystal off my old calibrator and it worked fine, with the LAB-1 calibrator. It comes with no coax cables or connectors as you said, this probably was a slight though. Thanks for your assist in finding an inexpensive frequency calibrator."

More on the DX-150 comes from Don Williams of Louisville, Kentucky. He writes: I have owned and operated one for quite some time now and am convinced that for the price, it is one of the best general coverage receivers on the market....I have compared it with the other receivers that cost from sixty five to one hundred and ten dollars more and found that the DX-150 performs as well or better than the higher priced ones. ...As for the broadcast band, the company makes no claim for conquering distance on this band. As with most other general coverage communications receivers, the BCB is secondary to the SWBC's and I think this fact is well known by members who have had anything to do with Communications Receivers of other makes....As for reception between 1.6 and 4.7 MHz range...I think the set does a fine job...Possibly some problems are being caused by antennas of too short a length...I have found that for good reception in the 1.6 to 4.7MHz range an antenna such as a Longwire "L", at least 105 feet long should be used, and if I had room enough I would have even a longer length....Another piece of equipment that is useful is an "AMECO" Nuvistor pre-amp. This pre-amp does a REAL GOOD job from 1.8 through 5.5 MHz, is almost useless from 6.0 through 12 MHz, then picks up again from 14 through 30 MHz."

THANK YOU FOR YOUR COMMENTS, UNTIL NEXT MONTH73s

BOB

Sister Club: CEYLONESE SWL CLUB is the official "sister" club of ASWLC.
CSWLC; Victor Gooverilleke, "Galle Palauwa", Piliyandala, CEYLON.
Every 2nd Saturday of the month at 1100-1110 GMT, the CSWLC presents
"DX-PANORAMA" Listen!!!!!!! In English on 17.830 kHz.

HCJB - ASWLC Radio station HCJB uses "SWL" as it's official news source over the
"DX PARTY LINE". Tune in at 0230-0300 GMT on Tuesdays ... 15115 -
11765 & 9745. 1930-2000 GMT on Tuesdays ... 21460 - 17880 & 15115.
0930-1000 GMT Wednesdays ... 15325 - 11915 - 9745 & 6050.

ABC - ASWLC The Ray Briem Show heard nightly over KABC-am 790kc in Los Angeles.
Midnight to 0500 PST 0800 - 1300 GMT. Listen and Soon.

A.N.A.R.C. The ASWLC is a member of the Association of North American Radio Clubs.

A.R.E.A. ASWLC is a member of Amateur Radio Editors Association.

A.F.C.E.A. ASWLC is a member of the Armed Forces Communication & Electronics Ass.

A.M.S.A.T. ASWLC is a member of the Amateur Satellite Corporation

ASWLC annual dues are \$7 via First Class Mail. Sample bulletins @ 50¢ first class.

POSTMASTER; Return to
16182 Ballad Lane
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California 92647

FIRST CLASS MAIL



John F. Pinckney WPEL:KJA
2903 School Street
Alexandria, VIRGINIA
January 22303
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FIRST CLASS MAIL

"He stretcheth out the north over the empty place, and hangeth the earth upon
nothing." Job: 26:7 "Which maketh Arcturus, Orion, and the Pleiades, and the
chambers of the south." Job 9:9 "Canst thou bind the sweet influences of
Firmament, or loose the bands of Orion?" Job 38:31.

ASWLC --- The Only Way To Go



"A.S.W.L.C."



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11 No. 6

FOUNDED: DECEMBER 1959

MAY 1970

1970 Armed Forces Day Communications Tests

The 1970 Armed Forces Day Competition-Communication Tests, will be on 16 May 1970, sponsored by the Department of Defense.

Communication Tests will be in two parts Military to Amateur cross-band operation and a RECEIVING CONTEST for both CW and RTTY modes of operation. Shortwave Listeners, etc., are invited to copy the message(s) and receive credit. Message(s) are at 25 words per minute CW, and at 60 words per minute RTTY.

Transcriptions should be submitted "as received." No attempt should be made to correct possible transmission errors.

Time, frequency and call sign or the station copied as well as the name, call sign (if any) and address of the individual submitting the entry must be indicated on the page containing the text. Each year a large number of perfect copies are rcvd with insufficient information, thereby precluding the issuance of a certificate.

Completed entries should be submitted to the Armed Forces Day Contest, ATTN: AFOSCOM, Room 3E099, James Forrestal Building, 1000 Independence Ave., Washington, D.C., 20330, and postmarked no later than 31 May 1970

CW:	16 MAY 1970	25 wpm	Armed Forces Day special message
	17/0300 GMT	WAR Army	3347, 6992.5 and 14405
	16/2300 EDST	NSS Navy	3385, 7385, 14400 and 21500.
	16/2000 PDST	NPG Navy	4005, 7495, 13975.5, and 20954.5.
		AIR USAF	3397.5, 7315, and 13995.
		A6USA Army	6997.5 Radio San Francisco

PHONE:	16/2200 GMT to 17/0245 GMT	NSS	4.040 mc/s on LSB.
	no time listed	NSS	6.970 mc/s on LSB.
	16/1400 GMT to 16/2200 GMT.	NSS	7.336 mc/s on LSB.
	no time listed	NSS	14.385 mc/s on USB.

NPG	4001.5 on LSB, 7301.5 LSB, 14356 USB and 21.600 USB.
AIR	4025 LSB, 7305 LSB, 14397 USB.

WAR	Army Radio, Washington, D.C.	NSS	Naval Comm Sta., Wash., D.C.
NPG	Naval Comm Sta., San Francisco	AIR	Air Force Radio, Washington, D.C.

That is the scoop for this year. Be ready on May 16th. ~~XXXXX~~ Report your loggings to the Country Chasers Corner. All let us know what qsls or certificates you rcve. When reporting to the stations, mention your from the A.S.W.L.C. !

DX SPECIAL

Radio station KVBR, 1340 kHz., Brainerd, Minnesota, will test their 1000 kw transmitter expressly for DX-ers. All correct reports will be verified BUT a self-addressed (SASE) stamped envelope is a MUST. Reports should be specifically beamed to Mr. Mark W. Persons, Chief Engineer, KVBR, 1340 Ransford Building, Brainerd, Minnesota-56401.

The tests will be on May 22 and 23; again on June 19 and 20, 1970, at the following times:

0030-0040	0100-0110	0130-0140	0200-0210	0230-0240
0300-0310	0330-0340.	All times listed as CENTRAL DAYLIGHT SAVING TIME.		

Here is a golden opportunity for the BCB fans within ASWLC. When reporting to KVBR, be sure to let them know you are from the ASWLC. Report your veries to the QSL CORNER. Our thanx to Hank Bennett/WPE2FT for this flash report.

128th Air Refueling Group (TAC)

On Saturday, May 16, 1970, WA9DZL, ham station of the 128th Air Refueling Group (TAC), Wisconsin Air National Guard will place radio equipment on the ham bands in conjunction with Armed Forces Day. An attractive commemorative Armed Forces Day certificate will be mailed to all hams who contact WA9DZL on this day. The operating schedule is as follows:

14.297 MHz	1300 GMT - 2100 GMT	28.650 MHz	1730 GMT - 2100 GMT
71280 MHz	1300 GMT - 1730 GMT		

SWLers wishing to earn the certificate should send in a reception report covering at least 15-30 minutes of loggings between WA9DZL and other hams checking in. When report be sure to include your qsl card. Send all reports to: WA9DZL, 128th Air Refueling Group (TAC), General Mitchell ANG Base, Milwaukee, Wisconsin-53207. Be sure and let them know that you are from the ASWLC THE SWL CLUB!

TRICKS OF THE TRADE

Robert F. LaRose, editor of the column has written stating there will be no Tricks of the Trade column for May. Bob will be in Europe for his company. He will be back in time for the June column. We wish Bob a happy trip. Any member wishing to meet and chat with Bob can do so during the Armed Forces Communication and Electronic Show (AFCEA) on June 2,3,4 in Washington, DC. He will be located at the Harris-Intertype booth in the RF Communications section. Drop by for a chat when in the area.

ATWATER KENT

From the pen of member James Mappin, 2924 West Garland, Spokane, WA-99205 comes the following; Radiotron used the designation UX226, UX227, and UX280. Cunningham used CX326, CX327 and CX380. These are still manufactured simply as 26, 27 & 80. They can be purchased new from Cornell Electronics Co., 4217 University Ave., San Diego, California-92105. They also issue a catalog. The tubes new are only 95¢. Our thanx to James for his aid in tracking down the above information. THANK YOU!

FRFE

Member David Thorne of 1506 Dresser St., Santa Ana, Calif-92701, (WPE6QZ) has a MASTERCRAFTERS 24 HOUR STATION clock in good condition that he would like to give to a SWL who is HANDICAPPED or DISABLED and has a limited income. If you know of someone write to Dave with details and he will send it postpaid to the one who qualifies. This is a fine gesture on Daves part. I am real pleased that we have him as a member of ASWLC. My thanks to Dave for his help/visits to headquarters.

CHURCHILL (1PE4FVD) - SHAW (1PE6HCD) Meeting.

I would like to thank these two fine dx-ers for stopping by to give a helping hand in the publishing of the May "S-L". Both drove up from San Diego. Their help was very much appreciated by your publisher. I do hope that they enjoyed the visit to ASLIC.

The next publishing date for those interested in dropping by and giving a helping hand is 30 May 1970. It is a holiday but a work day here at headquarters. You are more than welcomed to drop by. The phone number is (714) 846-1685.

MIGLEY BCB-I

Due to college work, Bill has to give up the BCB International column. I want to thank Bill for the fine job he has done with his column. We hope that in the future we will be able to have his services again as an editor of ASLIC. We also wish to thank Mrs. Clara Migley for her support of her son in becoming an editor for our club. We wish her a very happy Mothers' Day this coming May 10th.

Bill started his column in the early part of 1967 and carried it thru to 1970. These three years were very fruitful for ASLIC since we had on our roster such editors as Bill Migley. We thank him for being up to and beyond our expectations. (1PE6AA).

DXING FOR THE TRUTH

Member Alvin V. Sizer, New Haven Register News Editor has had an article by him appear in the Sunday Pictorial a section of the Register. The excellent article appeared in the March 22nd issue. It took five pages which included photos and graphs. The article is very well written. I am sure that the readers in the New Haven area found the articles very interesting reading. This hobby of ours needs more articles of this type appearing in local/regional and or national newspaper chains. We thank member Al Sizer for being able to do his part for swling.

NNRC PICNIC-CONVENTION June 20, 1970.

Our eastern sister club, Newark News Radio Club (NNRC) will be holding their annual picnic at Marylands' Patapsco State Park. I would like to urge all our Eastern members to make an effort to attend this annual picnic. All swlers are more than welcome. Here is a chance to meet some of the names that you see listed in various bulletins. I am sure that it will be a beautiful Saturday day for the picnic. Just wish I could join the happy group too. RJMEMBFR 20 June 1970!

FOR SALE via Headquarters

The Frequency Calibrator FCC-90B has been sold. Remaining to be sold is the Webcor taperecorder. Those interested in a monaural portable tape recorder should not pass up this buy at \$50 postpaid. Signal to Noise Ratio: 42db. Power Output: 4 watts peak. Speeds: 7 1/2 and 3 3/4ths ips. Comes complete with original manual. This is an excellent recorder for taping off the air dx programmes or sending out reception reports via voice tapes.

Also available from headquarters is the PROPER REPORTING GUIDE by Art Glover. Tis \$1.30 ppd to all members. It is \$2.05 ppd to all non-members USA only. Foreign rates available on request. ANARC ABBREVIATION LIST available for \$1.25 ppd USA. The above two items are via First Class Mail. Be sure to order your copy(s) soon.

DX CLUBS

Are you interested in WIF-UHF? If your are there is a special club for you. It is the Worldwide TV-FM DX Assn, PO Box 5001, Harbour Sta., Milwaukee, Wisconsin-53204. Dues: USA \$4.50 or \$6.50 first class mail. Samples: 30¢.

Attention all cardswappers, now you have your own publication called, "SWAPS NEWSLETTER". Rates are \$2 per year USA and \$3 Overseas. Samples; 10¢ USA and 20¢ Overseas. All this comes via First Class Mail. Contact them at 800 South Sullivan G5, Santa Ana, Calif-92704. Let the above know that ASLIC sent you thataway.

11201A

7-13 Street

ANARC REPORT

By ASWLC Representative

Bill Sparks,
1100 Hearst Bldg.,
San Francisco, Calif. 94103

ANARC Convention: All of the votes are not yet in on the 1970 convention location. However it appears that Bellwood, Illinois has enough votes to win. Therefore the ANARC Exec. Secretary has informed Jerry Heinen that his site has been selected. Future issues of this column will carry news on convention dates, hotel and other information.

QSL Committee: The current activities of this committee are starting to produce some results. Kris Lemna has received some replies to the questionnaires sent to LA stations and reports as follows. Radio Barquisimeto in Venezuela has written that they broadcast 18 hours a day (1030 to 0430 GMT), and will reply to letters in Spanish, English, German or Italian. IRC's may be sent for return postage. SINPO code is understood there. - - Radio Brazil Central has written that they broadcast on 1270 kc. 4 995, 9755, 11815 kc. and 90.1 meg. F.M. They are on the air from 0500 to 0100 their local time. They do not prefer SINPO code, and prefer reports in Portuguese but understand English. Both stations seem very friendly, from their replies.

Defunct Clubs: The current ANARC Newsletter contains a round-up of recent reports on some DX Clubs that appear to have ceased publication. The Iowa Shortwave DX Club has announced that it is soon to discontinue publication and apparently is not accepting renewals or new memberships. The ANARC Secretary points out that ISWDXC's announcement of the end of their service is rare; a fine positive gesture of service to its members, rather than the usual mysterious cessation of the bulletins that has marked the end of so many clubs.

Another non-ANARC club, Radio Listeners of America, apparently has not sent out a bulletin for several months, according to two Ontario DXers. Also, no CIDX bulletins have been received by the ANARC headquarters since Christmas.

EDXC News: The European DX Council is an operation similar to ANARC in many respects. It has just set up its standing committees which provide for many functions not covered by ANARC. The following have been announced: a DX Publication Committee (to gather information on various publications of interest to DXers); a Reception Report Committee (to survey the stations and make suggestions on methods of reporting suggested by the stations); a DX Programme Committee (to study and criticize programs broadcast under the name of "DX" programs) a Technical Committee; a Propagation Research Committee; an Advertiser List Committee (to produce lists of commercial announcements broadcast on Latin American stations); an Idea Bank (to follow club activities, to present new approaches); and an Information Committee (to act as a sort of public relations for the hobby). The EDXC does not have a QSL committee, but may have several members working with the ANARC QSL committee.

One reason that ANARC has not been able to set up some of the obviously desirable committees mentioned in the EDXC news is apparent from the 1970-71 budget sent out to the ANARC member clubs by the Executive Secretary. The entire ANARC income from dues amounts to an estimated \$47.00 for the year, all of which is expected to be used in postage and miscellaneous expenses in getting out the newsletter. You can support ANARC by the purchase of the ANARC Abbreviations List; and you can support ASWLC by ordering the Proper Reporting Guide.

MALAYSIA (Cont'd)
 9665, 1600, Eng pop mus & talk, exc, Arrington, Calif.
 6025, 1153, Chi except vocals, coml for American Radiator Co. (I wonder what that sounds like in Chinese! RWF), fair, Patterson, Ga.
 PAKISTAN (EAST), R Pakistan, Dacca, 11650, Eng news, fair, Balbi, Calif. & Christian, Wash. (1500)
 Ditto, 1530, Eng ID, mus, Sullivan, Ore.
 11650, 1630, nat mus to 1730, signal varies (So does the frequency! RWF), Rowell, Wash.
 PAKISTAN (WEST), Azad Kashmir R, 3673, 1710 ID, twice played a few bars of "Star Spangled Banner," ID location given as Muzaffarabad, R Pakistan mentioned later, 26/3, Hauser, Thailand
 R Pakistan, Islamabad (LISTED), 15380, 0330, ID in lang as R Pakistan, Karachi (possibly relaying Karachi, RWF), good, 3/22, Lobdell, Mass.
 R Pakistan, Karachi, 11672, 1945 (signon), Eng & Urdu news to U.K. at 2000, good, Koukol, Ill.
 17935, 1500, Eng news, poor, Christian, Wash.
 PHILIPPINES, R Veritas, 1500, Eng & Span ID, pop mus, good, Arrington, Calif.
 15170, 1515, asking for reports, fair, Sullivan, Ore.
 V of the Philippines, 9580, 0930 (Eng news), good, Balbi, Calif.
 FEBC, 11890, 0900 (Eng news, Wood, Hawaii.
 QATAR (TENTATIVE), 9570, 0200. Mr. Koukol asks, "QBS Doha possibly here w/bird call IS under Romania. Couldn't get other data as Romania blasted it. Is it Doha?" (Well, members, is it? RWF) poor, Koukol, Ill.

R.S.F.S.R. (ASIATIC), Gov Khabarovsk (TENTATIVE), 4610, 1204, Rus home svce, news, fair, 30/3, Kamp, Texas.
 Gov Vladivostock, 6035, 1159, Rus, Viennese waltzes & news, fair, Patterson, Ga. (they are very strong on 5015 here. RWF).
 Gov Magadan, 12240, 1800, exc, audible nearly all day, Christian, Wash.
 RYUKYU ISLANDS, V.U.N.C., 14460, 1750, ?-lang, but very clear "V.U.N.C." anmts, fair, 5/4, Fisher, Calif.
 14460, 1700, Korean talks, good, parallel 9915, fair, Christian, Wash.
 SARAWAK, R Malaysia, 7270, 1030, lang, strong, Balbi, Calif.
 SAUDI ARABIA, B.S.K.S.A., 11855, 0430, Eng, good, Hicks, Fla.
 Ditto, good, Bacon, La.
 15150, 0330, Ar, exc, Sullivan, Ore.
 15150, 2030, Ar news, poor, 22/3, Fisher, Calif. (My QSL is from Werner Storg, P.O. Box 2476, Riyadh.)
 SINGAPORE, R Singapore, 11940, 1600, Eng mus, poor, Sullivan, Ore.
 (TENTATIVE) B.F.B.S., 5010, ?-lang w "God Save the Queen" at 1430 signoff, fair, 15/3, 29/3, Fisher, Calif.
 SOUTH YEMEN, South Yemen Bc Svce, 5060, 1915, dance mus, ID in Ar 1919, 1929, followed by jerky anthem, fair, Hauser, Thailand.
 SYRIA, R Damascus, 9585, 1500, Ar home svce, mus, good, Sullivan, Ore.
 15165, 2230, Eng, mus to 2300 signoff, good, Koukol, Ill.
 15290, 0415, Ar, Koran, mus, poor, 14/4, Flynn, Calif.
 Ditto, fair, Rowell, Wash.
 17865, 2300, Ar & Sp to SA to 0100, fair, Rowell, Wash.

THAILAND, Thai Nat Bc Sta, 11910, 1025 (IS), Eng news at 1030, fair, Koukol, I Ill.
 TURKEY, R Ankara, 15160, 2200, Eng, int 2215 by VNA, Bethany, Rowell, Wash.
 Ditto, 17/4, Fisher, Calif.
 Ditto, no int at 2200, Balbi, Calif.
 VIETNAM (NORTH), V of Vietnam, 10040, 1530, Eng news, good/exc, Sullivan, Ore.
 Ditto, Arrington, Calif.
 Ditto, Christian, Wash.
 R Liberation, clandestine assumed to be in North Vietnam, 15048, 2000, Viet, 2030, Fr, strength and propagation similar to Hawaii, 15013, which has Fr, 2000, Viet, 2030, Wood, Hawaii.
 VIETNAM (SOUTH), VTVN, 11948.5, Viet talk, jammed 0915, Wood, Hawaii.

OCEANIA

AUSTRALIA, VNG, Lyndhurst, 12000, 0659, Eng ID & time signal, good, Sullivan, Ore.
 R Australia, Perth, 15425, 0715, Eng, mus, fair, Sullivan, Ore.
 R Australia, Melbourne, 6100, 0830 (signon) w Eng news 0900 & 1000, Balbi, Calif.
 6100, 1130, Eng, fair 21/3, Fisher, Calif. I have read conflicting reports on the location of the 6100 kc. transmitter; some say Darwin and some say it is a Melbourne/Lyndhurst feeder link supplying Darwin with program material. RWF.
 R Australia, Darwin (presumed), 9570, 1141, poor, Eng, 28/3. Transmission is parallel to 6100 at times, Fisher, Calif.
 21485, parallel to 17715 and 15355, 0230, Sundays only, Eng, ABC news, fair, Balbi, Calif.
 15335, 0700, Eng news, fair, Sullivan, Ore.

COOK ISLANDS, R Cook
Isl (TENTATIVE), Pac.
mus, R NZ(?) ID, news,
fair, poor after 0600,
Christian, Wash.
FIJI, R Fiji, 3230, 0900,
Eng ABC news, fair +,
Koukol, Ill.
GILBERT & ELLICE ISLANDS,
R Tarawa (TENTATIVE),
4912.5, 0620, lang, weak,
fade 0645, Christian, Wash.
HAWAII, WWVH, 10000, 1125,
Eng time anmt, poor, Pat-
terson, Ga. (You should
hear it in Los Angeles,
Mr. Patterson! RWF)

NEW BRITAIN, R Rabaul,
3385, 1115, Pidgin,
good, Koukol, Ill.
NEW CALEDONIA, R Noumeá,
7170, 1100, Fr, good,
Koukol, Ill.
7170, 0745, good/exc,
Christian, Wash.
NEW ZEALAND, R NZ, 15280,
0230, Eng, "...being heard
consistently well," Cald-
well, Calif.
15280, 0400, exc,
Arrington, Calif.
17770, 0300, cricket
match, good. Bacon, La.

SOLOMON ISLANDS (AUS.),
R Bougainville, 3322.5,
1200, Eng & Pidgin, fair,
Koukol, Ill.
PAPUA/NEW GUINEA, R Wewak,
3335, 0900, news, local &
C/W (= Morse code? RWF)
mus, poor, 21/3, Flynn,
Calif.
1120, Pidgin talk, good,
Koukol, Ill.
R Western Dist, 3305,
1110, Pidgin, pop mus,
good, Koukol, Ill.
TAHITI, R Tahiti, 11825,
0300-0732, Fr, fair-very
good, many.

UNIDENTIFIED: 4770, 0530, Arabic(?) chanting, talks at 0535, fair-poor, 28/3,
Koukol, Ill. (If future contributors to UNIDENTIFIED specifically request it, I
shall include your mailing address. RWF)

A note for listeners to R Australia's morning NA transmission on 9580 and 11710:
Today (April 26), they changed the time of the transmission to one hour earlier
(1115 GMT) to conform to the annual "Daylight Savings" foolishness. They seem to
want their transmissions to begin at 0715, eastern U.S.A. statutory time. RWF

This month's contributors were Gerald Arrington, Selma, Calif.; Ray J. Bacon, Baton
Rouge, La.; August Balbi, Los Angeles, Calif.; Carl Benton, Jr., University, Ala.;
Bill Caldwell, M.D., Los Angeles, Calif.; Tom Christian, Seattle, Wash.; M. F.
Dressler, Jacksonville, Fla.; Bill Flynn, Mountain View, Calif.; Chuck Ganscoe,
Chicago, Ill.; Garry S. Goltz, Pittsburg, Penna.; Rob Harrington, Englewood, Colo.;
Glenn Hauser, Korat, Thailand; Terry R. Hicks, Fort Lauderdale, Fla.; Stue Kamp,
Irving, Tex.; Mark Koukol, Naperville, Ill.; Christopher Lobdell, Reading, Mass.;
Carroll R. Patterson, Decatur, Ga.; Chas. T. Pilkington, Seattle, Wash.; Sam Rowell,
Gig Harbor, Wash.; Jim Sullivan, Portland, Ore.; Richard E. Wood, Honolulu, Hawaii;
and myself. Thank you all for your reports!

Now for some editorial comment: I was favorably impressed with the quality of most
of the loggings I received, but some of them lacked essential information. The
loggings you submit must contain at least the following information: the name of
the country, the name of the station, the frequency, the time, the language used (?-
lang = unknown language), perhaps a short description of the type of program (news,
music, etc.), the quality of reception, and the date. Inclusion of the date will
enable me to cull out the old loggings and will enable you to determine if reception
conditions are comparable when you try for the reported reception. Whether type-
written or handwritten, your reports must have a full space between listings; this
month, some of them didn't and I found them very hard to handle. Also, it would be
sincerely appreciated if you would write or type your name and location after every
listing; if you don't do it, I have to do it. This would be the ideal appearance:

news, poor, 01 150.

music, Alaska.

Bhutan, R Thimbu, 5000 kc., 1200 (signon),
Eng news, excellent, 31 Feb. Smith, Alaska.

Siddim, Sanok R 12345 kc, 0000, Eng news

Your comments are invited on the three-column format. Although it is harder to type
in the three-column format, I prefer it because it provides maximum utilization of
the available space. I have used broken underscoring (____) between different
stations in the same country, alternate underscoring (____) between different
loggings of the same station, and full underscoring (____) between countries.

Yours very truly, RWF Fisher A.S.W.L.C ASIA/OCEANIA Editor

SWL

SHORT WAVE REVIEW - The Americas

May 1970

Associate Editor: Carroll R. (Pat) Patterson, WPE4KHW

784 North Parkwood Road
Decatur, Georgia 30030

June Deadline: 22 May 1970

July Deadline: 18 June 1970

(All times are GMT)

RECEPTION REPORTSARGENTINA

9690 0630

LRA32, R.A.E.; Buenos Aires; Eng; NA mx - pop & light
Eng IDs & s/off; good (Caldwell, Calif)

9710 0600

LRX2, R.El Mundo; Buenos Aires; Sp; mx; good (Caldwell,
Calif)BOLIVIA

5025 0258

CP75, R. La Cruz del Sur; La Paz; Eng; qual? (Fisher,
Calif) (CRP; WRTVH-70 erroneously lists 4985)BRAZIL

4755T 0142

ZYY3, R. Brazil; Campinas, SP; Port; live sports event;
no ID hrd; fair - Ut QRM (Lobdell, Mass)

4865 0133

PRC5, R. Clube do Para; Belem, Pa.; Port; futebol game;
good (Lobdell, Mass)

5045 0130

ZYP23, R. Quitandinha; Petropolis, RJ; Port; religious
hymns, talks & ID (Lobdell, Mass) (CRP: Chris
says "R. Imperial" as listed in WRTVH is wrong)

6000 2327

PRK5, R. Inconfidencia; Belo Horizonte, MG; Port; mx
& telephone conversations; fair (Happell, Va)

6065 0928

PRL-, R. Nac. de Brasilia; Brasilia, DF; Port; talks &
instrumental mx (Lobdell, Mass)

6085 0127

ZYK2, R. Jornal do Comercio; Recife, Pe; Port; live
sports event - "w/fanatic announcer - boy can
he talk!"; qual? (Lobdell, Mass). 0400; Port; mx;
fair (Caldwell, Calif)

6095 0230

ZYP7, R. Difusora Sao Paulo; Sao Paulo, SP; Port; mx;
exc (Caldwell, Calif). 0900; Port; s/on w/pop tune
about Sao Paulo, into ID at 0902; excellent
(Lobdell, Mass)

6125 0035

PRG9, R. Nac. de Sao Paulo; Sao Paulo, SP; Port; sports
event & clear ID at 0039; good (Lobdell, Mass)

6135 0931

PRC21, Radio-TV Gaucha; Porto Alegre, RGS; Port; ID
& talks; fair (Lobdell, Mass)

9585 1145

ZYR56, R. Excelsior; Sao Paulo, SP; Port; talks & mx;
fair (Benton, Ala)

9635 0903

ZYR83, R. Aparecida; Aparecida, SP; Port; ID then into
religious talks; good (Lobdell, Mass)

9705 0931

ZYZ24, R. Maua; Rio de Janeiro, Gu; Port; talks by man;
fair (Lobdell, Mass)

(CP note: Chris Lobdell has really been "chasing" those Brazilians!)

BRITISH HONDURAS

3300 0330

R. Belize; Belize; Eng; fair (Goltz, Penna)

CANADA

6005 1050

CFCX; Caughnawaga, Quebec; Eng; pop mx & nx; good
(Redman, Ill) (CRP: sta. loc at Caughnawaga)

6010 1030

CJCX; Sydney, Nova Scotia; pop mx & nx; fair (Redman,
Ill)

6070 1700

CFRX; Toronto, Ontario; Eng; pop mx; fair (Redman, Ill)

6130 0215

CHNX; Halifax, Nova Scotia; Eng; mx & comls; good
(Hicks, Fla)

(SWR-the Americas...page 1)

CHILE

9590 0945 CE959, R. Pres. Balmaceda; Santiago; Sp; LA mx & talks; good but faded to poor by 1015 (Benton, Ala)
9750 1158 CE975, R. Soc. Nac. de Minería; Santiago; Sp; nx & mx; poor - extreme atmospheric noise (Patterson, Ga)

COLOMBIA

4915 0400 HJSG, R. Guatapurí; Valledupar; Sp; mx; good (Leslie, Conn)
4945 0018 HJDH, R. Colosal; Neiva; Sp; pop & LA mx & many comls; fair (Happell, Va)
4965 0655 HJAF, R. Santa Fe; Bogotá; Sp; mx & IDs; good (Harrington, Colo)
6160 0630 HJKJ, Emisora Nueva Granada; Bogotá; Sp; mx; fair (Caldwell, Calif)
6175A 0630 HJLW, Ecos del Combaima; Ibagué; Sp; mx; fair (Caldwell, Calif)

COSTA RICA

4695 0140 TIHBG, R. Reloj; San Jose; Sp; vocals, ID & comls; fair (Lobdell, Mass). Rob Harrington reports an unk Costa Rican on 4690 at 0450 that is probably Radio Reloj "The Wanderer"
5042A 0505 R. Limón; Puerto Limón; Eng; Steve Kamp says the format same as TIQ, R. Casino, also in Puerto Limón, or Limón, that operates on 5954 (CRP note: Is this a new one? I don't know)
6055 1100 TIHBG, R. Reloj; San Jose; Sp; pop mx & ID as "Radio Reloj, San Jose de Costa Rica; good (Redman, Ill) (CRP: Another channel for the wanderer?)

DOMINICAN REPUBLIC

4795 0405 HIAS, Onda Musical; Santo Domingo; Sp; light mx with many time checks & comls & s/off at 0430; fair (Happell, Va.)
5000 0146 HIBC (medium wave call), LV de Progreso; San Francisco de Macoris; noted during silent period of WWV at 0146 w/ID "La Voz de Progreso". This is the unid sta that has been noted overpowering WWV at times. Probably is a harmonic of 1250 KC medium wave station (Lobdell, Mass)

ECUADOR

3390 1103 HCOT1, R. Zaracay; Santo Domingo de los Colorados; fair (Fisher, Calif)
3995 1129 HCJA5, LV del Río Tarquí; Cuenca; Sp; qual? (Fisher, Calif)
4650 0617 HCAK2, R. Dif. del Ecuador; Guayaquil; Sp; LA & NA mx & comls; qual? (Fisher, Calif)
4923 0050 HCRQ1, R. Quito; Quito; Sp; pop mx, comls & nx; fair (Happell, Va.). 0400; Sp; light mx & many Orange Crush comls; good (Leslie, Conn)
4930 2350 HCCR1, R. Casa de la Cultura; Quito; Sp; classical & light mx w/many IDs and Time Checks; excellent (Happell, Va.). 0130; Sp; talks & operatic mx, IDs & s/off at 0358; good (Leslie, Conn)
6140 0415 HCDE4, R. Vision de Manta; Manta; noted with Eng ID & freqs. given by man after Deutsche Welle s/off; poor (Lobdell, Mass)

GRENADA

3280 2345 W.I.B.S;St.George's;Eng;nx on both freqs;5015
&
5015 s/off at 2359; good to poor(Goltz,Penna)

21690 2100 W.I.B.S;St.George's;Eng; s/off 2130;poor to
fair (Balbi, Calif)

GUATEMALA

3360 1110 TGVN, LV de Nahuala;Nahuala;Sp;fair (Fisher,Calif)

GUYANA

3265 0933 R. Demerara;Georgetown;Eng;Hindi-type mx w/ancmts
till 0948 then nx; church service at 1000
(Kamp,Texas)

HAITI

15280 0114 4VWI,R.Sta.4VEH;Cap-Haitien;religious program -
experimental -wants reports; Dave Thorne says
he hrd them on actual freq of 15275 despite an-
nouncement of 15280 (Thorne,Calif)

5040 0350 4VOD,R.Valparaiso;Port-de-Paix;Fr;ID noted "Ici
(out Radio Valparaiso, Port-de-Paix"; into anthem
of order) & s/off at 0352; good (Lobdell,Mass) (CRP note:
WRTVH-70 lists as 150 watts - caught a good
one, Chris)

HONDURAS

4930 0143 HRVS,R. Catolica;Tegucigalpa;Sp;mx & ID;excellent
(Harrington,Colo)

MEXICO

6115 0200 XEUDS, R. Universidad de Sonora;Hermosillo;Sp;
"usual superb classical mx program";good
(Caldwell,Calif)

NICARAGUA

5950 0131 YNRG,R. Zelaya;Bluefields;Sp;LA pop mx & ID as
"Transmitende Zelaya...Bluefields", s/off
0200; poor (Lobdell,Mass)

PANAMA

6045 1010 HOU31, LV del Baru;David;Sp:ID,TC,LA mx & comls;
fair (Lobdell,Mass)

PERU

5050 0423 O4X8E,R.Loreto;Iquitos;Sp;ID & into vocal mx;
good(Lobdell,Mass)

6080.5 1229 OAX4Z,R.Nac. del Peru;Lima;Sp;ID hrd;het
(Hauser,Thailand) (CRP note:WRTVH-70 lists
on 6082)

6095 1110 R.Nacional del Peru;where?(CRP note: WRTVH-70
lists as OAX4H, R.Oficial del Congreso,Lima);
Sp;talk w/guitar mx, answering questions fr
"campesinos",mx, "R.Nacional del Peru presen-
ta Noticiero Andino";good till 1200 when fad-
ed (Hauser,Thailand)

6115 1113 OBZ40,R.Union,Lima;Sp;talk sponsored by Ibanez
insecticide, long string of comls for Shaffer,
& Philips, ID as "R.Union,una voz al servicio
del Peru"; good to het fr Soviet dominated by
1135 (Hauser,Thailand - his first fr Lima)

9740 0545 OCY4F,R.Los Andes;Lima(tent.);Sp;radio play;
(SWR-the Am.,p.3) severedQRM fr VOA same freq(Benton,Ala)

UNITED STATES OF AMERICA

11795 2059 WINB, World Inter-Nat. Broadcasters; Red Lion, Pa; Eng; 'Lifeline' prgr fr Dallas, Texas, mx & many HLH canned vegetable comls; fair (Patterson), good (Goltz); (Goltz, Pa. & Patterson, Ga.) (CRP note: Believe it or not, this one is hard to hear here in north Georgia!)

21525 1913 WNYW, Radio New York; Scituate, Mass; Eng; CBS 'Minority Report'; radio promo, & gospel prgr; poor & somewhat fadey (Hauser, Thailand)

VENEZUELA

4800 0234 YVMO, R. Lara; Barquisimeto; Sp; fair (Fisher, Calif)

4860 0352 YVQE, R. Maracaibo; Maracaibo; Sp; nat. anthem & s/off at 0400; excellent (Happell, Va.) (CRP note: Despite WRTVH-70 YVQE is not "Radio Mundo". I have QSL fr them & correct name/slogan is "Radio Maracaibo" at 10 KW)

4870 0322 YVKP, R. Tropical; Caracas; Sp; many IDs, time checks, LA/pop mx; fair (Happell, Va.)

4880 0139 YVMS, R. Universo; Barquisimeto; Sp; many IDs, time checks, commls, LA mx; excellent "very, very powerful" (Happell, Va.) 1118; Sp; poor (Fisher, Calif)

4890 0310 YVKB, R. Dif. Venezuela; Caracas; Sp; s/off; fair (Fisher, Calif)

4900 0230 YVNK, R. Juventud; Barquisimeto; Sp; pop & LA mx; good (Dressler, Fla). 0330; Sp; progressive rock mx, "Buenas Noches, Juventud" hrd after each recording; good (Redman, Ill)

4940 0000 YVPA, R. Yaracuy; San Felipe; Sp; LA mx; "excellent most nights after 0000, s/off 0400 (Leslie, Conn)

4960 0330 YVQA, R. Sucre; Cumena; Sp; nx fr R. Rumbos network, list of other net stas read, s/off 0400; fair (Leslie, Conn)

4980 0505 YVOC, Ecos del Torbes; San Cristobal; Sp; nx in Sp & Eng ancmt -wants reports; good (Goltz, Pa) Rob Harrington, Colo., hrd same time in // w/4630.

4990 0340 YVMQ, R. Barquisimeto; Barquisimeto; Sp; LA mx; fair (Redman, Ill)

9660 1054 YV--, R. Rumbos; Caracas; Sp; nx w/many chimes between ID "Noticias Rumbos"; good; "new channel?" (Lobdell, Mass) (CRP note: Must be a new freq- not listed in WRTVH-70)

CREDITS

All reports received thru 18 April 1970 mail were gratefully received by your Assoc. Ed., and were considered. Again, thanks to all reporters and welcome to the new ones. This month's credits go to:

August Balbi
Carl Benton, Jr.
Dr. Bill Caldwell
M. F. Dressler

Los Angeles, California
University, Alabama
Los Angeles, California
Jacksonville, Florida

CREDITS (cont'd)

Bob Fisher	Los Angeles, California
Gary Goltz	Pittsburgh, Pennsylvania
Eric Happell	Lynchburg, Virginia
Rob Harrington	Englewood, Colorado
Glenn Hauser	Thailand
Terry Hicks	Fort Lauderdale, Florida
Steve Kamp	Irving, Texas
Ken Leslie	Manchester, Connecticut
Chris Lobdell	Reading, Massachusetts
Ron Redman	Decatur, Illinois
Dave Thorne	Santa Ana, California

Editorial Comment

Next month I hope to receive reports from 20 or more members of ASWLC. If we can get at least that many each month, preferably 25 to 30, we'll all benefit - reporters, other readers and your Assoc. Ed.

This month's issue of "SWR-the Americas" initiates a new policy: DX in the strict sense of the term is scarce for stations located in the Western Hemisphere, as we all know. Therefore, the former rule that stations appearing in last month's issue will not appear in this month's is amended. If stations such as Grønslund Radio, ORTF-French Guiana, and the lower-powered Latin Americans, etc., are reported month-after-month, they'll be entered in this column month-after-month, space permitting (and I believe there will be space more often than not). "Powerhouses" such as VOA stateside stations, HCJB, TWR, R. Habana, etc., will not be published unless a news-worthy program is logged and reported to me. There are, of course, other powerful SWBC stations in the Western Hemisphere such as RAE-Buenos Aires that will be included due to distance, etc., whenever they are reported to me.

I believe this new policy will be fairer and of more interest to the reporters and other readers of this column.

You all, please, support our new Asia/Oceania Associate Editor - Bob Fisher of Los Angeles, California who took over this month from Art Glover, ASWLC President. Good luck, Bob!

Remember: Your reports are the meat of this column. It's simple: no reports - no column; few reports - a poor column. I need and want your help.

Muchas gracias por su atencion, amigos.

Carroll R. Patterson.

ADDENDUM:

Reports from the following members were received after the stencils were completed (& before they were mailed) and could not, of course, be used: Dave Williams, Astoria, Ore.; Tom Christian, Seattle, Wash.; Charles Pilkington, Seattle, Wash.; & Ray Bacon, Baton Rouge, La. I am truly sorry, gentlemen. Will be used next month. (SWR-the Americas, page 5)

EUROPE

CHRISTOPHER LOBDELL

AFRICA

149 WALNUT STREET

READING, MA 01867

JUNE DEADLINE: May 22ndJULY DEADLINE: June 20thALBANIA

6199 0355 R. Tirana: English s/off w/anthem (fair)(Glover-Wash)
7290 0300 R. Tirana: English program (good)(Bacon-La)

AUSTRIA

9770 0030 Austrian R: Multilingual ID into light mx (Rowell-Wash)
15145 0030 Austrian R: English program (fair)(Zilmer-Wisconsin)

BELGIUM

11790 0050 RTB, Brussels: "Belgium Speaking" in English to 0100
(good)(Seymour-NC + Zilmer-Wisconsin)
15200 2305 RTB: English to 2315 (fair)(Zilmer-Wisconsin)

BULGARIA

9700 0000 R. Sofia: English s/on w/Bulgarian tunes (Rowell-Wash)
excellent at 0400 (Caldwell-Ca)
17825 2105 R. Sofia: English to Africa (good)(Christian-Wash)

BYELORUSSIA

9660 0030 R. Kiev, Minsk(list): s/on in English to NA (Koukol-III)

CZECHOSLOVAKIA

5930 0338 R. Prague: DX + Mailbag show in English (Glover-Wash)
9505 0730 R. Prague: English to Europe (Wood-Hi)
9540 0300 R. Prague: English to NA //9630 (Caldwell-Ca, Rowell)
9630 0200 R. Prague: English to NA //11990 (Wood-Hi)
11990 0136 R. Prague: English talks (fair)(Pilkington-Wash)
11990 0315 R. Prague: English commentary (good)(Benton-Alabama)
21700 0657 R. Prague: English s/on to Australasia (Hauser-Thail)
21735 1500 R. Prague: IS; into Czech lang. (fair-good)(Christian-Washington)

DENMARK

15165 1830 R. Denmark: Danish program (Rowell-Washington)

FRANCE

9620 0600 ORTF: French program (Caldwell-Ca + Harrington-Colo)
11965 0045 ORTF: Spanish talks (fair)(Benton-Ala)
15295 0515 ORTF: English nx //15190(Brazzaville)(Wood-Hi)
15295 0615 ORTF: French program (Rowell-Wash)
15295 2015 ORTF: "Paris Calling Africa" in English (Hicks-Fla)
17730 0200 ORTF: Portuguese s/off (good)(Bacon-La)
21580 2015 ORTF: English to Africa (Wood-Hi)(Zilmer-Wis)
21620 2015 ORTF: English nx + mx (exc.) (Goltz-Pa)

GERMANY-(East)

9500 0100 RBI: English program (exc.)(Goltz-Pa)
9560 0300 RBI: English program (good)(Bacon-La)
9650 0330 RBI: English commentary (Good)(Caldwell-Ca)
21540 1330 RBI: English to SE Asia (good)(Zilmer-Wis)

GERMANY-(West)

11795 0746 DW, Kolon: German to Asia (good)(Pilkington-Wash)
15275 0600 DW: English to Africa (Rowell-Washington)

GREAT BRITIAN

9765 0045 BBC: Spanish to SA (good)(Benton-Alabama)
15070 1645 BBC: World nx in English (good)(Pilkington-Wash)
15390 0715 BBC: CBC relay to Africa //11780 (Wood-Hi)
21740 1030 BBC: English to Latin America (good)(Zilmer-Wis)

EUROPE

HOLLAND

- 6020 2000 Radio Nederland: "Happy Station" English program //
6085 (poor)(Hicks-Florida)
11730 0638 R. Nederland: Happy Station prog. w/tune by Lulu (good)
Pilkington-Washington)
21570 1830 R. Nederland: English to Africa (good)(Zilmer-Wis)

HUNGARY

- 9883 0300 R. Budapest: English nx (good)(Caldwell-Ca)
9883 0400 R. Budapest: mailbag show in English (Lobdell-Mass)
11910 0100 R. Budapest: English program (good)(Zilmer-Wis)

INTERNATIONAL WATERS

- 6210 2345 R. Nordsee Inter: English anmts w/pop mx ~~+~~ ADs(Koukol)
6210 0500 R. Nordsee Inter: s/on w/German ID into rock mx (Sparks-
Ca) 0612 (Glover-Wash)
Note: The station has now moved to a position 6 miles
off the British coast CRL.

ITALY

- 9575 0400 RAI: Italian program (Rowell-Wash)
11810 0100 RAI: English nx (fair)(Pilkington-Wash)
11810 0230 RAI: in language w/pop mx (exc)(Caldwell-Ca)
15340 0350 RAI: English program (fair)(Bacon-La)
21555 1400 RAI: Italian program (good)(Zilmer-Wisconsin)

LATVIAN-SSR

- 7140 0440 R. Moscow, Riga(list): Arabic; under BBC (poor)(Koukol-
Ill)

MONACO

- 6035 0520 R. Monte Carlo: French program (poor 2 Apr)(Fisher-Ca)
7290 0730 TWR, Monte Carlo: English program (good)(Seymour-NC)

NORWAY

- 11850 0005 R. Norway: "Norway This Week" in English on Sun. (good)
(Seymour-North Carolina)
11850 0215 R. Norway: English program (fair)(Bacon-La)
21655 0700 R. Norway: s/on in Norwegian + English //15175, 21730
(Wood-Hi)
21730 1400 R. Norway: English on Sunday only (good)(Zilmer-Wis)
25730 1600 R. Norway: "Norway This Week" in English on Sunday
(exc)(Goltz-Pa)

POLAND

- 9635 1100 R. Warsaw: English program (exc)(Goltz-Pa)
11870 0315 R. Warsaw: English to NA on Sat(GMT) w/Polish mx (good)
(Seymour-NC)

PORTUGAL

- 9740 0215 R. Portugal (VOW): French to Canada //11840 (Wood-Hi)
11935 0200 R. Portugal: English nx + commtry (Bacon-La)
11935 0350 R. Portugal: press roundup in Eng. (good)(Seymour-NC)
15125 0200 R. Portugal: English to NA //6025 (good)(Thorne-Ca)
17880 1715 R. Portugal: Portuguese to Africa (Rowell-Wash)

RUMANIA

- 11940 0200 R. Bucharest: English prog. (Bacon-La ~~+~~ Zilmer-Wis)
11940 0430 R. Bucharest: English to WCNA (good)(Caldwell-Ca)
15245 1200 R. Bucharest: English program (fair)(Goltz-Pa)

RSFSR(European)

- 9685 2235 R. Vilnius, Moscow(list): English program (Bacon-La)
9685 0025 R. Moscow, Moscow: English commtry (good)(Benton-Ala)
11700 0020 R. Peace + Progress, ?: English program (fair)(21 Mar)
(Fisher-Ca) Anybody know xmtr location? CRL.

EUROPESWEDEN

9725 0330 R. Sweden: pop mx w/English anmts (good)(Caldwell-Ca)
 11790 0030 R. Sweden: English to 0100 (Hicks-Fla + Seymour-NC)
 11825 0030 R. Sweden: English to NA; ex-11790 (Zilmer-Wisconsin)

SWITZERLAND

6120 0130 SBC, Berne: English to ECNA (fair)(Zilmer-Wisconsin)
 9595 1830 SBC: German nx (Wood-Hi)
 9720 0445 SBC: s/on in English to WCNA w/nx (exc)(Harrington-Col)

UKRAINIAN-SSR

11960 0430 R. Kiev: English mailbag show (exc)(Caldwell-Ca)

VATICAN STATE

9615 0048 Vatican R: English s/on to NA (good)(Harrington-Colo)
 11725 0100 Vatican R: English church nx (good)(Benton + Bacon)
 15210 1640 Vatican R: Pope's Good Friday Message in English
 (Pilkington-Washington)
 15285 0050 Vatican R: English to ECNA (Macken-Mass + Zimmer-Wis)

YUGOSLAVIA

9620 1530 R. Beograd: English w/mx (QRM)(Christian-Wash)
 9620 2200 R. Beograd: English nx (Bacon-La + Goltz-Pa)

AFRICAALGERIA

11835 2215 RTA, Algiers: French talks (good)(Koukol-Illinois)

ASCENSION IS

9510 0230 BBC: "World Service" in English (fair)(Harrington-Ca)

CANARY IS

11800 0230 RNE, Tenerife: light opera mx (good)(Caldwell-Ca)
 11800 0315 RNE: Spanish to Latin America (good)(Bacon-La)
 15360 0445 RNE: Spanish program //11800 (Rowell-Wash)

CONGO-(Dem Rep)

11865 1930 R. Lubumbashi: Fr. ID into folk mx (poor)(Lobdell-Mass)
 15245 1935 RTNC, Kinshasa: s/off in Fr. w/ID; then "A Voz De Angola
 Livre" in Portuguese (Hauser-Thailand)
 15245 2100 RTNC: Fr. ID into Afro mx (fair-good)(Koukol-Ill)
 15245 0130 RTNC: French program (poor)(Zilmer-Wis)
 15245 0250 RTNC: French to s/off (good)(Bacon-La)
 15245 0430 RTNC: French anmts w/Afro mx (Rowell-Wash)

CONGO-(Rep)

9715 0730 R-TV Congolaise: Afro mx w/Fr. ID (good)(Caldwell-Ca)
 15190 2015 R. Brazzaville(ORTF): "Paris Calling Africa" in English
 (Wood-Hi)(fair)(Zilmer-Wis)

DAHOMY

4870 2145 R. Dahomey, Contunu: French ID into pop mx (poor)
 (Lobdell-Mass)

ETHIOPIA

11855 0300 ETLF, Adiss Ababa: program in lang. (fair)(Bacon-La)

GABON

4777 0430 RTG, Libreville: IS, French s/on (fair)(Koulol-Ill)

GHANA

3366 0555 GBC, Accra: Eng/nx at 0600 (fair)(Christian-Wash)
 4915 0600 GBC, Accra: English nx (good)(Koukol-Illinois)
 11850 2010 R. Ghana, Ejura: English to NA (Hicks-Fla + Seymour-NC)
 21545 1445 R. Ghana, Tema: English program (fair)(Zilmer-Wis)

GUINEA-(Equatorial)

4926 0430 RE, Bata: s/on w/IS into Afro mx + Sp. anmts. New and
 unlisted early morning sked. (Sparks-Ca)
 4926 0445 RE: Spanish mx (poor '27 March)(Henderson-Maryland)

AFRICA

- GUINEA-(Portuguese)
5045 0700 Emissora Provincial, Bissau: s/on in Portuguese w/ID; Afro mx followed (Sparks-Ca)
- GUINEA-(Rep)
9650 2000 RN, Conakry: French ID "Ici La Voix de la Revolution" into French talks (poor)(Lobdell-Mass)
- IVORY COAST
11920 0710 RTI, Abidjan: French program (fair)(Harrington-Colorado)
11920 2235 RTI: French; s/off at 0000 (Rowell-Washington)
- LIBERIA
3255 0612 ELBC, Monrovia: English ID into pop mx (Sparks-Ca)
4770 0645 ELWA, Monrovia: details? CRL (good)(Harrington-Colo)
11950 0630 ELWA: religious program (good)(Caldwell-Ca)
15095 1900 ELWA: Arabic + French talks (good)(Zilmer-Wis)
15095 2003 ELWA: ID in language by man (good)(Macken-Mass)
- LIBYA
11795 1930 LBS, Tripoli: gong, ID + TC in Arabic; news follows (fair)(Lobdell-Mass)
- MALAWI
3380 0350 MBC, Blantyre: Afro mx w/English ID at 0400 (fair) (Koukol-III)
- MALI
4835 0640 RM, Bamako: French ID w/nx @ 0700 (poor)(Christian-Wash)
- MAURITANIA
4850 0715 R. Mauritania: in language w/talks + chanting (fair) no ID noted (Christian-Washington)
- MOROCCO
9615 0615 RTM, Tangier: Arab talks (Wood-Hi + Rowell-Wash)
11790 0430 VOA, Tangier: English ID into language w/rock mx (good) (Caldwell-Ca)
- MOZAMBIQUE
4855 0330 R. Clube de Moçambique: s/on in English + Afrikaans (good) (Harrington-Colorado)
- NIGERIA
7275 0613 R. Nigeria, Lagos: English nx (fair)(Fisher-Ca)
15365 0620 R. Nigeria: English nx + variety show (good)(Thorne-Ca)
- RWANDA
6055 0330 Radiodiffusion de la Republique Rwandaise, Kigali: s/on w/stringed instrumental IS, anthem; ID into Afro mx (Sparks-Ca)
11965 2030 DW, Kigali: German s/on (Wood-Hi)
- SAO TOME
4807 2221 R. Clube de Sao Tome: Portuguese talks to s/off at 2232 (very poor)(Lobdell-Mass)
- SENEGAL
4890 0700 R. Senegal, Dakar: French program w/ID (good till Papua s/on)(Christian-Washington)
- SEYCHELLES IS
15185 0330 FEBA, Victoria: English s/off to India, etc; no ID but presumably Seychelles (Hauser-Thailand)
15185 0425 FEBA: light mx w/English anmts (poor)(Koukol-III)
- SIERRA LEONE
3316 0600 RSL, Freetown: s/on w/IS into English ID; Swahili prayer + Afro mx (fair)(Koukol-III)
3316 2225 RSL: English talks on East African safaris (Henderson)
- SOMALI REP
6097 0340 NBS, Mogadiscio: chanting in language by man (poor) (Koukol-III)

AFRICA

SOUTH AFRICA

7150 0430 Springbok R: English nx (fair 2 Apr)(Fisher-Ca)
 9705 2330 RSA: English to ECNA //9695, 11875 + 15220 (Hicks-Fla)
 11900 0657 RSA: English nx + mx (good)(Pilkington-Wash)
 15220 0035 RSA: English to NA (exc)(Harrington-Colorado)
 15360 2125 RSA: English to Ghana, Nigeria etc. (good)(Bacon-La)

TANZANIA

5050 0300 R. Tanzania: s/on w/chant + Afro mx; Swahili talks too
 Sparks-Ca)
 5050 0400 R. Tanzania: Swahili nx w/clear ID at 0405 (good 30 Mar)
 NEW higher powr? (Henderson-Maryland)
 5985 0300 R. Tanzania: IS, Swahili s/on into Afro mx (good)(Koukol-Ill)

TOGO

5047 0530 R. Togo, Lome: French s/on (good)(Harrington-Colorado)

UNITED ARAB REP

9475 0200 R. Cairo: English program (good)(Zilmer-Wisconsin)
 9475 0300 R. Cairo: English nx (good)(Seymour-North Carolina)
 9675 2230 R. Cairo: English program (fair)(Bacon-La)
 9685 0700 R. Cairo: Arab tunes (exc)(Caldwell-Ca)
 15475 0830 R. Cairo: Classical mx w/Arab anmts (poor)(Hicks-Fla)

ZANZIBAR

3339 0330 R. Tanzania, Zanzibar: drum IS, s/on into Swahili
 chanting (fair)(Koukol-Ill)

REPORTERS

Ray Bacon, Louisiana
 Carl Benton, Alabama
 Bill Caldwell, Cal, SW-4A
 Tom Christian, Washington
 Robert Fisher, California
 Art Glover, Washington
 Gary Goltz, Pa
 Rob Harrington, Colo, SW-4A
 Glenn Hauser, Thailand, HQ-160
 Dan Henderson, MD, HQ-180AC
 Terry Hicks, Florida, S-38B
 Mark Koukol, Ill.

Chris Lobdell, Mass, SW-4A
 Mike Macken, Mass, SX-100II
 Charles Pilkington, Washington
 Sam Rowell, Washington, DX-150
 Woody Seymour, North Carolina
 Bill Sparks, California, R-4B
 Dave Thorne, California
 Richard Wood, HI, HQ-180, SS-IBS
 Robert Zilmer, Wisconsin

I am pleased to say that we had a total of 21 reporters this month. That is one more than last month! A few reports were received after the deadline and will be held over for the June SWR.

Dr. Bill Caldwell informs me that his Radio Ghana reception was at 2000 instead of the listed 0200 GMT in the April edition. One more thing I might clarify. In regard to Glenn Hauser's 3980 Germany logging last month. The transmission wasn't special but the program was in Special English, using a vocabulary easier to understand for foreign listeners who do not have English as their native tongue.

Starting with the June SWR I am going to list the receivers used by each contributor after their name and location. This was suggested Mario Sala in Chuck Sadoian's DX Forum. I feel he has a very valid point. So, on your next report, list your receiver(s).

See You Next Month!!!

SWL

T I M E

I N D E X

May 1970

Associate Editor: - Bill Ray, #52 Matilda Ave., Mill Valley, California

Here is a reshuffling of the Geographical Shortwave Reviews into chronological order for your convenience. ISWC had a similar arrangement briefly in the 1930's. Time listings are within a half-hour of those reported. Capital letters are new PO state abbreviations indicating origin of reports. Refer to Geographical listings for program, strength and exact time details. Time is GMT, write in your own local time.

0000

Venezuela 4940 CT
 Colombia 4945 VA
 Bulgaria 79700 WA CA
 Norway 11850 NC

0030

Ecuador 4923 VA CT
 Brazil 6124 MA
 Vatican 9615 CO
 Byelo, Rus. 9660 IL
 R SFSR (Eur.) 9685 LA
 So. Africa 9695*CO
 So. Africa 9705*CO
 So. Africa 5980*CO
 Gr. Britain 9765 AL
 Austria 9770 WA
 Belgium 11790 NC WI
 Sweden 11790 NC FL
 Sweden 11825 WI
 France 11965 AL
 Austria 15145 WI
 India 15235 FL
 Vatican 15285 MA WI

0100

E. Germany 9500 PA
 Vatican 11725 AL LA
 Italy 11870 WA
 Hungary 11910 WB
 Haiti 15280 CA

0130

Costa Rica 4695 MA
 Brazil 4755 MA
 Brazil 4865 MA
 Venezuela 4880 VA CA
 Honduras 4930 CO
 Dominican 5000 MA
 Brazil 5045 MA
 Nicaragua 5950 MA
 Brazil 6085 MA CA
 Switzerland 6120 WI
 Czechoslovak 11990 WA
 Congo (Dem. Re) 15245 WI

* (15220 listed in Review has been deleted)

0200

Portugal 6025 CA
 Mexico 6115 CA
 Canada 6130 IL
 UAR 9475 WI
 Czechoslovak. 9630 HI
 Portugal 9740 HI
 Qatar 9570 IL
 RSFSR (Eur.) 11700 CA
 Rumania 11940 LA WI
 Norway 11850 LA
 Portugal 11935 LA
 Portugal 15125 CA
 France 17730 LA

0230

Venezuela 4800 CA
 Venezuela 4900 FL IL
 Brazil 6095 CA MA
 Ascension Is. 9510 CA
 Lebanon 11790 WA
 Canary Is. 11800 CA
 Italy 11810 CA
 Congo (Dem. Rep.) 15245 LA
 Australia 15355 CA
 Australia 17715 CA
 Australia 21485 CA
 New Zealand 15280 CA

0300

Venezuela 4870 CA
 Venezuela 4890 CA
 Venezuela 4900 CA
 Bolivia 5025 CA
 Tanzania 5050 CA
 Tanzania 5985 IL
 Albania 7290 LA
 UAR 9475 NC
 Czechoslovak. 9540 CA
 E. Germany 9560 LA
 Hungary 9883 CA
 Canary Is. 11800 LA
 Tahiti 11825 CA
 Ethiopia 11855 LA
 Poland 11870 NC
 Czechoslov. 11990 AL
 New Zealand 17700 LA

0330

British Honduras 3300 PA
 Zanzibar 3339 IL
 Malawi 3380 IL
 Mozambique 4855 CO
 Venezuela 4960 CT
 Venezuela 4990 IL
 Haiti 5040 MA
 Czechosl. 5930 WA
 Rwanda 6055 CA
 Somali Rep. 6097 IL
 China 8778
 Thailand
 E. Germany 9650 CA
 Sweden 9725 CA
 Tahiti 11825 CA
 Sa. Arabia 11855 LA
 Portugal 11935 NC
 Seychelles 15185
 Thailand
 Italy 15340 LA
 Pakistan 15380 MA

0400

Dominican 4795 VA
 Venezuela 4860 VA
 Colombia 4915 CT
 Peru 5050 MA
 Tanzania 5050 MD
 Ecuador 6140 MA
 Albania 6199 WA
 Cyprus 7140 CA
 Italy 9575 WA
 Hungary 9883 MA
 Lebanon 11790 CA
 Tahiti 11825 CA
 Seychelles 15185 IL
 New Zealand 15280 CA
 Syria 15290 CA

0430

Gabon 4777 IL
 Guinea (Equatorial) 4926 CA MD
 Latvian SSR 7140 IL
 So. Africa 7150 CA
 Switzerland 9720 CO

SWL

TIME INDEX

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0430 (cont'd)

Morocco 11790 CA
 Canary Is. 11800 WA
 Tahiti 11825 CA
 Sa. Arabia 11855 FL
 Rumania 11940 CA
 Ukranian SSR 11960 CA
 Congo (Dem. Rep.) 15245 WA
 Canary Is. 15360 WA

0500

Venezuela 4980 CO
 Costa Rica 5042 TX
 Monaco 6035 CA
 Inter. Waters 6210 CA WA
 Tahiti 77825 CA
 Kuwait 77940 AL
 France 15296 HI

0530

Unidentified 4770 IL
 Togo 5047 CO
 Peru 7740 AL
 Tahiti 11825 CA

0600

Liberia 3255 CA
 Sierra Leone 3316 E
 Ghana 3366 WA
 Ecuador 4650 CA
 Gilbert & Ellice Is. 4972.5 WA
 Ghana 4915 IL
 Laos 5160 Thailand
 Nigeria 7275 CA
 Morocco 9615 WA HI
 France 9620 CA CO
 Argentine 9710 CA
 Tahiti 11825 CA
 Korea (So.) 15155 CA
 W. Germany 15275 WA
 France 15295 WA
 Nigeria 15365 CA

0630

Liberia 4770 CO
 Mali 4835 WA
 Colombia 6160 CA
 Colombia 6175 CA
 Argentine 9690 CA
 Holland 11730 WA
 Tahiti 11825 CA
 Liberia 11950 CA

0700

Mauritania 4850 WA
 Senegal 4890 WA

0700 (cont'd)

Colombia 4965 CO
 Guinea (Portuguese) 5045 CA
 UAR 9685 CA
 Kuwait 11825 AL
 Tahiti 11825 CA
 So. Africa 11900 WA
 Ivory Coast 11920 CO
 Australia 12600 OR
 Norway 15175 HI
 Japan 15260 OR
 Australia 15335 OR
 Gr. Britain 15390 HI
 Australia 15425 OR
 Norway 27655 HI
 Czechoslo. 27700 Thailand
 Norway 27730 HI

0730

Korea (No.) 6540 WA
 New Caledonia 7170 WA
 Monaco 7290 NC
 Czechoslo. 9505 HI
 Congo (Rep.) 9715 CA
 W. Germany 11795 WA
 Korea (No.) 15520 WA

0800

Korea (No.) 6540 OR

0830

Australia 6100 CA
 Malaysia 75280 CA
 UAR 75475 FL

0900

Fiji 3230 IL
 Papua 3335 CA
 Australia 6100 CA
 Brazil 92635 MA
 Korea (No.) 11765 HI
 Philippines 11890 HI
 Vietnam (So.) 11948.5 HI

0930

Guyana 3265 TX
 Brazil 6065 MA
 Australia 6100 CA
 Brazil 6135 MA
 Philippines 9580 CA
 Chile 9590 AL
 Brazil 9705 MA

1000

Panama 6045 MA
 Australia 6100 CA
 Brunei 7215 IL
 Sarawak 7270 CA

1030

Canada 6005 IL
 Canada 6010 IL
 Thailand 77910 IL
 Malaysia 11955 AL
 Gr. Britain 21740 WI

1100

Papua 3305 IL
 Papua 3335 IL
 Guatemala 3360 CA
 New Britain 3385 IL
 Ecuador 3390 CA
 Costa Rica 6055 IL
 Peru 6115 6095 Thailand

New Caledonia 7170 IL
 Poland 9660 9635 PA
 Hawaii WWVH 70000 GA CA
 Ceylon 77830 MA

1130

Ecuador 3396 CA
 Australia 6100 CA
 Australia 9570 CA
 Australia 9580 CA
 Brazil 9585 AL
 Australia 11710 CA

1200

Solomon Is. 3322.5 IL
 RSFSR (Khabarovsk) 4610 TX
 RSFSR (Vladivostok) 5015 CA
 Indonesia (Borneo) 5972 IL
 Malaysia 6025 GA
 RSFSR (Vladivostok) 6035 GA
 Chile 9750 GA
 Rumania 15245 PA

1230

Peru 6080.5 Thailand

1300

Burma 5040 Thailand

1330

Japan 3945 WA
 E. Germany 21540 WI

1400
 Indonesia (Sumatra) 4855 WA
 Italy 27555 WI
 Norway 27730 WI

1430
 Singapore 5070 CA
 Cambodia 6090 CA
 Thailand
 Ghana 27545 WI

1500
 Syria 9585 OR
 Pakistan (E) 17650 CA
 Philippines 15770 QR
 Czechoslovakia 21735 WA

1530
 Yugoslavia 9620 WA
 Vietnam (N) 70040 OR
 CA WA
 Pakistan (E) 11650 OR
 Iran 75085 WA

1600
 Malaysia 9665 CA
 Pakistan (E) 77650 WA
 Singapore 77940 OR
 India 75080 CA
 Iran 75085 CA
 Ceylon 75120 CA
 Vatican 15270 WA
 Norway 25730 PA

1630
 Pakistan (E) 77650 WA
 Gr. Britain 75070 WA

1700
 Pakistan (W) 3673
 Thailand
 Canada 6070 IL
 Ryukyu Is. 9915 WA
 Pakistan (E) 11650 WA
 Ryukyu Is. 14460 WA
 Portugal 17880 WA

1730
 Malaysia 77955 WA
 India 75080 WA
 VOA Colombo 75285 WA

1800
 RSFSR Gov Magaden 72240 WA
 Ryukyu Is. 74460 CA
 Kuwait 75405 LA MA

1830
 Switzerland 9595 HI
 Denmark 15765 WA
 Holland 27570 WI

1900
 S. Yemen 5060 Thailand
 Liberia 75095 WI
 US A 27525 Thailand

1930
 Pakistan 77672 IL
 Libya 77795 MA
 Congo (Dem. Rep.) 77865 MA
 Congo (Dem. Rep.) 75245
 Thailand

2000
 Holland 6020 FL
 Guinea (Rep) 9650 MA
 Pakistan 77672 IL
 Ghana 77850 FL NC
 Vietnam(N) 75073 HI
 Vietnam(N) 75048 HI
 Liberia 75095 MA
 Congo (rep) 75390 HI WI
 France 75295 FL
 France 27580 WI
 France 27620 PA

2030
 Israel 9625 PA
 Rwanda 11965 HI
 Sa. Arabia 15150 CA

2100
 USA 11795 CA
 Congo (Dem. Rep.) 15245 IL
 So. Africa 15360 LA
 Bulgaria 17825 CA
 Grenada 21690 CA

2130
 Dahomey 4870 MA

2200
 Sao Tome 4807 MA
 Yugoslavia 9620 PA LA
 Algeria 11835 IL
 Turkey 15160 WA CA

2230
 Sierra Leone 3316 MD
 UAR 9675 LA

2230 (cont'd)
 RSFSR (Europ) 9685 LA
 Ivory Coast 11920 WA
 Syria 15165 IL

2300
 Belgium 15200 WI
 Syria 17865 WA

2330
 Grenada 3280 PA
 Ecuador 4980 VA CT
 Grenada 7505 PA
 Brazil 6000 VA
 International Waters 6210 IL
 South Africa 9695 FL
 South Africa 9705 FL

NOTE: Must apologize for
 typing, the "1" and "L"
 key does n't seem to work
 right.

Editor: Paul Mayo, 2409 Ocean Parkway Brooklyn, New York 11235

Deadlines: For June "SWL": May 23. For July "SWL": June 24.

From The Log

North & Central America

ALASKA:

8939 0310 KIS70, Anchorage Aeradio w/BOAC Speedbird 686fair (Kamp)

CANADA:

8913 0439 VFE, Edmonton Aer w/Scan 2322, Exc signal (Kamp)

8945 0423 VFG, Gander, w/BOAC Speedbird 672, Exc signal (Kamp)

NICARAGUA:

11750a 1157 Tropical Radio Tel Co (TRT) SSB Eng/Sp TT (Mahler)

U.S.A.:

2182 0349 WMI, Lorain calling WB2094 "Robt C Stanley" (Kamp)

2182 0350 WAD, Pt Washington, Wis, w/msg to ships (Kamp)

7485 1155 ATT, Oakland, Cal SSB usual TT (Mahler)

8871 0734 KLL8, Miami Aer, w/KLM996, Exc signal (Kamp)

11995 0230 AAJ, Ft Leavenworth SSB Eng TT (Mahler)

South America

GUYANA:

10528 0255 C&W Ltd, Georgetown SSB Eng TT (They QSL!) (Mahler)

Europe

AZORES:

8947 0820 CSY, Sta Maria Aer, w/PAA Clipper 154, fair sig (Kamp)

GERMANY, EAST:

20500a 1215 Radio Tel Svce, Berlin AM Eng TT (Mahler)

GREECE:

20265 1345 HTO, Athens SSB Eng/Greek TT (Mahler)

MALTA:

8820 0238-0250 ZBJ, Malta Aer w/2 flgts w/ another AFR stn (Kamp)

U.S.S.R.:

18520 1255 Moscow R.T. SSB Eng TT (Mahler)

Africa

ALGERIA:

8820 0446 FNA, Algiers Aer w/5UA Niamey, fair Signal (Kamp)

NIGER:

8820 0446 5UA, Niamey Aer, w/FNA Algiers, Gd Signal (Kamp)

NIGERIA:

8820 0436 Kano Aer, w/5UA Niamey, fair signal (Kamp)

Asia

HONG KONG:

8905 1245-1247 Hong Kong VOLMET, w/ Wx BC, poor signal (Kamp)

INDONESIA:

8871 1259, 1306 Djakarta Aer w/PAA flights, fair signal (Kamp)

JAPAN:

8905 0840 Tokyo, fair sig, w/Wx BC (Kamp)

Our unknown station in lasts month CCC is:

2182 0050 NCH, USCG Stn, Pt Isabel, Tex. The "44395" would suggest
it was a small craft or cutter. (Glover)

QSLS

- ALASKA: KIS70, Anchorage IFSS, sent personal letter w/full verie text & info about stn, 10 days via Air (Kamp)
- AZORES: CSY, Sta Maria Aer returned prepared card in 15 days, Air Port. mint stamps & SAE used (Kamp)
- CANADA: VFN, Montreal Aer returned prep card in 12 days V/S J D Miller Stn Sup, stn really located in Dorion-Vaudreueil, Que (Kamp)
- GUYANA: NOTE!!!!
C&W Ltd, Georgetown sent letter with all details, two wks via Air, 1 IRC sent, V/S J W Steel who says: He has taken to reply to reports because he's a Ham(G3VJI/8R1). All reports must be sent to him (Otherwise they'll end up in the wastepaper basket. They must include details, frequency as accurate as possible, date, time(GMT), signal report in SINPO code, & return postage.
Addr: John W Steel.
Cable & Wireless West, Indies Ltd
P.O. Box 239
Bank of Guyana Building
Georgetown, GUYANA (via Mahler)
- IRELAND: EIP, Shannon Aer sent Irish coffee card in 20 days airmail Card had full info. (Kamp)
- HONG KONG: Hong Kong Aer sent form letter in 15 days airmail w/full info. Mint stamps sent.
Addr: Telecommunications Officer
Civil Aviation Dept, Airport Adm,
Hong Kong Airport, Kowloon, Hong Kong (Kamp)
- MARTINIQUE: FTS, FT-de-France sent personal letter in Fr(rpt in Eng) w/full info & call(FZF9) in 2½ months V/S Andre Soulier (For addr see April CCC...ed) (Mahler)
- SAUDI ARABIA: Ministry of Comm, Posts & Tele, Jeddah (@0335 kHz) sent personal letter w/full info via registered mail, returned IRC in 2½ months v/s M Mirdad (Mahler)
- YUGOSLAVIA: Communauté des Posts, Telegraphes, et Téléphones sent letter with full info in 2½ months via registered mail. Addr as above, Belgrade, V/S V Rankovic (Mahler)
- U.S.A.: AAJ, Ft Leavenworth, Ka. sent form letter w/ full info in the amazing time of 6 days!!!
Addr: U.S. Army Stat Com. Com.
Midwest Telecommunications Center
Ft Leavenworth, Kansas 66007

This months contributors are:

Art Glover, Port Angeles, Wash.(HQ 180A)
Steve Kamp, Irving, Texas
Dr. Donald Mahler, Newton, Mass

In May 1970 the International Utility Hunters will begin a list of 30-50 Megahertz stations by frequency. For a copy of their May bulletin send 30¢ in coin or stamps to:

International Utility Hunters
2180 Bolton St, Bronx, N.Y. 10462

till next month 73's
Paul

 Associate Editor: Michael Macken, 64 Court Road, Winthrop, Massachusetts. 02152.

Deadline for SWR STATION DATA: 20th of each month

STATION DATA

LEBANON. Radio Lebanon may be heard in English to North America and Europe nightly from 0230-0300 on 11790. English to Africa may be heard from 1830-1900 on 15350. (Dr. William G. Caldwell-California)

MEXICO. Radio Mexico is heard with mostly Spanish language programs, but regular identifications in Spanish, French and English from 2300-0600 with their tests programs apparently. Frequencies used include 11720, 9535 and 6055, with 11720 being heard consistently during evening hours, while the reception of the other two is not as good. (Dr. William G. Caldwell-California)

UKRAINE. Radio Kiev's latest English schedule indicated English from 0030-0100 and 0430-0500 on 11960, 11730, 11700, 9760, 9660, 9610 and 7330 on Mondays, Thursdays and Saturdays. (Dr. William G. Caldwell-California)

HUNGARY. Radio Budapest schedule effective April 1st indicates English to North America, Australia and New Zealand from 0100-0130, 0300-0330 and 0400-0430 on 21685, 17890, 15160, 11910, 9833 and 6234. (Dr. William G. Caldwell-California)

TAIWAN. VOFC may be heard in English from 0200-0350 on 8900, 7130, 11825, 15125, 15345, 17720, 17780 and 17890. From 1800-1900 on 9685, 9765, 11825, 15125, 15370, 17720 and 17890. (Dr. William G. Caldwell-California)

SOUTH KOREA. VOFK may be heard in English to North America from 0300-0400 on 15430. English to Europe from 0600-0700 on 15155. (Dr. William G. Caldwell-Cal)

IRAN. At the time of writing, Teheran seems unsure just where to broadcast its external services but seems to have settled for the "Way out" frequencies of 9024 between two Peking stations and 12185. The latter would seem to replace the previously used 7020. The Home Service continues to be well heard on 15085 during the day, replaced by 7040 at night. Drifting of these frequencies have also been noted. (The Danish Shortwave Club International)

DENMARK. From the shortwave department of Radio Denmark comes word that effective the first Sunday in May Radio Denmark will make the following changes in their Danish schedule. To South America on 15165 will begin at 2200 replacing 2100. To ECNA at 0100 they will move from 9520 to new 9710 as they'll have a new crystal. To WCNA with a new transmission at 0230 on new 11790 with a new rhombic antenna and the shortwave department is very much interested in reports on these transmissions (The Danish Shortwave Club International) (When writing any reception reports to Denmark it might be a good idea to just happen to mention the fact that you only speak English and that it is more enjoyable to hear them in English like their neighbors such as Norway, Sweden and Finland.)

INTERNATIONAL WATERS. As we type this on our deadline day Radio Norway International has apparently been on the air for several weeks now. Nobody has yet to report any verifications so keep your fingers crossed. Location reportedly now is six miles off the Essex coastline of England, after their move from Dutch waters. More next month as information becomes available.

SHORT WAVE REVIEW
STATION DATA

U. S. S. R. Radio Peace and Progress announces in their English programs that they transmit in English on 31 and 41 meters "every Tuesday and Friday at midnight GMT," i. e., 0000 GMT, Wednesday and Saturday. The exact frequencies are not announced, but I heard them on 11700 at 0000 Saturdays. (Robert W. Fisher-California)

U. S. A.. DX Stamp Service, which supplies mint stamps of all countries to DX-ers, has advised me that they want to keep up to date on foreign postage rate changes and they request their customers to inform them of foreign postage amounts on their incoming foreign letters and post cards. A short description is all that is needed, such as "Colombia, airmail post card, 1.40; Fiji, min. wt. airmail letter, 0.25." Their catalog containing prices of mint stamps is available for a stamped addressed size 10 envelope. The address is 466 Weaver Road, Webster, New York. 14580. (Robert Fisher-California)

ITALY. RAI latest schedule indicates English to North America from 0100-0120 on 11810 and 9575. (Direct)

CEYLON. The Ceylon Broadcasting Corporation broadcasts daily in English to South East Asia from 1100-1200 on 17830. Letters and comments are welcomed at the Oversea Service, Ceylon Broadcasting Corporation, Torrington Square, Colombo 7, Ceylon. (Steven P. D'Adolf-Marshall Islands)

BRUNEI. Malay Service may be heard from 0630-0900, 1230-1400 and 1800-2230 on 4865. English Service may be heard from 0700-0830, 1100-1230 and 2000-2230 on 7215 with 4865 replacing it at the 1100 time slot. Chinese Service from 0900-1100 on 4865 and 1600-1900 on 7215. The frequencies of 7215 and 4865 are listed at ten kilowatts. (Steven P. D'Adolf-Marshall Islands)

PHILIPPINES. The Far East Broadcasting Company, Box 2041 in Manila broadcasts in English on 17810 (or 178500 at 2140-2345, at 0200-0525 (goes to 0900 on Sundays)) On 11855 & 15385 (or 15415 or 15440) at 2330-0100: 0100-0200 on 21515 & 15385 (Or 15235 or 15300): 0200-0300 on 15415 & 21515: 0830-1145 on 7225 & 15235 (15300); 17850 & 11890: 1145-1245 on 15235 & 7225 & 11920: 1524-1530 on 15440 & 11920 and 1530-1630 on 15440. (Terry Ray Hicks-Florida)

CONGO REPUBLIC. Radio Brazzaville broadcasts in English on Saturday & Sunday only from 0500-0630 on 11970 & 15445, at 0700-0745 on 11979 & 15445 and 1100-1130 on 11970 & 15445. (Terry Ray Hicks-Florida)

TURKEY. The Voice of Turkey is broadcasting to Northern North America, Australia and New Zealand in English on 15160 from 2200-2230. (Terry Ray Hicks-Florida)

FRANCE. ORTF may be heard in English with Paris Calling Africa from 2015-2100 on 15295, 15315, 17720 and 21580. This program is also relayed over ORTF Brazzaville, Congo Republic at the same time on 15190. (Terry Ray Hicks-Florida)

SPECIAL DAYS

May 15 Independence Day-Israel	May 27 Liberty Day-Turkey
May 17 Constitution Day-Norway	May 31 Republic Day-South Africa
May 24 Victory Day-Ecuador	June 2 Memorial Day-Bulgaria
May 25 Independence Day-Jordan	June 5 Constitution Day-Denmark
Independence Day-Argentina	June 10 Portugals Day-Portugal
May 26 Independence Day-Guyana	June 12 Independence Day-Phillipinos

ASWLC

May 1970

ASWLC

QSL Associate Editor: Gary Steele, 290 Elmside, Benton Harbor, MI 49022 QSL
CORNER Deadlines at Benton Harbor ONLY: For June- May 28th; For July, June 25 CORNER

ASWLC AWARDS PROGRAM..... After reorganiza-
tion of the Awards Committee, this facet
of the club is very much back in business.
Recent awards were issued to:

- Mr. Steve Kamp, of Texas; for verification
of 75 Countries SWBC, 20 African Countries
9 S. American Countries, and 15 N. American
countries.
- Mr. Raymond Faulkner, of California; for
verification of 25 SWBC Countries
- Dr. Donald Mahler, of Massachusetts; for
50 SWBC and 20 European countries verified
- Mr. Paul Kinnaly, of Massachusetts; for
verification of 25 SWBC Countries and 20
European countries .

Congratulations to all for your accomplish-
ments.

Because it's been some time since mention
of our awards program has been made, here
is a list of awards offered:

- SHORTWAVE BROADCAST/UTILITY, for verifi-
cation of:
 - *25, 50, 75, 100, 125, 150, 160, 170, 180,
190, and 200 Countries
 - *20, 35, and 50 African countries
 - *20, 35, and 50 Asian countries
 - *20, 30, and 40 European countries
 - *15, 20, and 25 North American countries
 - * 9, 11, and 13 South American countries
 - * 9, 11, and 13 Oceanian countries
 - * 9, 12, and 15 Soviet Socialist Republics
- MEDIUMWAVE BROADCAST, for verification of:
 - *10, 15, 20, 25, 30, 35, 40, 45, and 50
countries
 - * 6, 8, 10, 12 Canadian provinces
 - *30, 40, 45, and 50 States of the U.S.A.

Cost and processing fee is 50¢; \$1.00 for
non-members. Applications for awards go
to Bill Flynn, Box 473, Mt. View, CA,
94040.

Each application should contain a list of
stations claimed, telling the station
verified, frequency, date heard, and the
date of verification. For SWBC and MW
countries, the list should be by contin-
ents & alphabetically under each contin-
ent; for MW States and provinces, list
by state or province.

ASWLC's Country List was published in tye
March, 1969 "SWL".

Further information of Awards may be ob-
tained from; Tom Powell, Secretary ASWLC
AWARDS Committee, Box 408, Lynchburg, VA,
24505; after June 3 Tom's address will be
Box 1478, Goldsboro, NC 27530. An SASE is
appreciated.

QSL SURVEY.....Just a couple more weeks to
get your answers in. I trust that I'll
receive many more replies than the the
last month brought. Only 5% of the club
has filled out the questionnaire up until
now. LET'S GO!

PREPARED QSL'S are the subject of a ques-
tion from Les Gaynor, of Michigan. It is
relatively easy to use these aids, and
as you probably know, they're used main-
ly for utility stations without a QSL of
its own. On a card of average size, de-
vise a verification text with spaces for
the date, time, frequency, and date of
verification for your report. Also, I in-
clude spaces for station call and its
power. Provide a space for stamp or sig-
nature; and in your report explain that
the report should be checked, and the
card filled out and remailed. Of course,
these homebrew QSL's aren't at all re-
stricted to use for utilities; they have
been used for MW and SWBC DX as well. In
addition, some DX'ers try to be quite ar-
tistic with these QSL's, often making
them very colorful. And, when sending
the report, don't forget an SASE or an
SAE with IRC's.

SWL CARDS....If you're having some dif-
ficulties in finding a printer of SWL and
QSL Cards, I suggest that you pick up a
copy of a "CQ", "73", or "QST" ham mag-
azine. Many printers should be listed in
the classified section. These make fine
additions to reports!.(M.F, Dressler;FL)

QSL LADDER will appear bi-monthly. A few
too many listings than can be fit into
limited space has forced me to ask that,
if you would prefer it, I would like to
split the ladder into "A" and "B" classes
whereby those with, say, 1-60 VIC and the
other class would have 60+ VIC; then the
two would be published in different is-
sues. Any opposition or alternate ideas?

HAS ANYONE else received a QSL from VJM,
located on Macquarie Island? Station was
on 14415 last summer & QSL'd to me on 3
December 1969 via prepared card. Anyone
else even heard VJM???

China's first satellite is a cinch right
now on 20009. Heard here in Benton Har-
bor several times with fair-good signals
(Anyone QSL'ing it gets a picture of
Chairman Mao, hi.) Launched 4-25.

Best of DX & good QSL's to all, Gary

"SWL"

MAY 1970

P R O P A G A T I O N

Jack White
780 NW Wallula
Gresham, Oregon
97030

By mid to late May, general reception patterns for the balance of the summer months should be emerging. SWLs will note that during the early evening hours openings will continue somewhat later than was the case only a month or so ago. For the listener interested in the extended programming of a particular station, this may mean that it might not be necessary to switch down the dial during the evening in order to maintain the broadcast's continuity.

As is the case every year, the lower bands will decrease in long-haul DX value due to rising atmospheric noise (static) levels. The segment of the spectrum below 6 megahertz should not be completely discarded though, as occasionally a stranger appears during a relatively quiet night. Although it is doubtful that a 60 meter band signal from half-way around the world can overcome the barrier, readable transmissions from 4000 to 5000 miles distant are not too uncommon.

16 Meter Band (17700 to 17900 kHz): Mid day openings appear fairly good into Europe with the afternoon offering possibilities for lower Africa. Utilities DXers operating slightly above this band may in all probability locate some excellent catches from mid morning (toward the southeast) throughout the best part of the afternoon (going southwest by then).

19 Meter Band (15100 to 15450 kHz): Appears to offer the best all around conditions for daytime activities. Especially promising are the Middle East regions from band opening near dawn until mid or even late morning. African signals may also do fairly well occasionally during the same period, although the late afternoon appears a bit more reliable for these broadcasts considering all the factors. The noon period may prove the most congested from a QRM standpoint, but Europeans will likely dominate at this hour over all but the most powerful interference from other continents.

25 Meter Band (11700 to 11975 kHz): This band will likely offer the most consistent reception of transmissions beamed to North America during the early evening hours. Conditions appear reasonably good for Europe, Africa, and Latin America during this "prime time" period. In the later evening a number of Asian broadcasts may also be expected lasting until dawn.

31 Meter Band (9500 to 9775 kHz): Long distance reception conditions are not expected to materialize until darkness completely covers the entire signal path. The late evening hours should produce well for Europe, the Middle East, and most of Africa. For westerly circuits, the post midnight period offers a crack at Southeast Asia. Of particular interest to Latin American DXers is the possibility of a shot into the Southern Brazil-Argentina-Chile-Bolivia region around mid evening (provided a clear channel through the Europeans can be located). Also the late afternoon and early evening hours might turn a Central American or Caribbean outlet before the big powerhouses fire up.

41 Meter Band (7100 to 7300 kHz): Although shared with amateur traffic, this band should provide an occasionally good chance at Southern Europe as well as the Northern and Atlantic Coast regions of Africa during the later evening hours. After midnight also seems likely for a good catch from the Pacific. One brief tip: Hams apparently are not too dissimilar with the rest of us their QRM seems a bit lighter on week-day nights.

49 Meter Band (5950 to 6200 kHz): Latin America offers most of the DX fare in this range during the evening. After midnight the action will shift toward East Asia and the Pacific. Also of note is a possibility of some good African reception an hour or so before midnight. Also listeners residing in the northern sections of the Midwest and Western USA might make an occasional African grab near sunset if all goes well.

60 Meter Band (4750 to 5050 kHz): As mentioned earlier, DX grade reception will become erratic on this band...although patience and a deaf ear to static could sometimes be rewarded.

TV and FM DX: The upcoming late spring through mid summer season offers the annual peak for Sporadic E activity. Sky-hop distances of up to 1600 or 1800 miles are possible by way of these random patches of intense ionization passing over North America from east to west at a rate of 200 to 300 miles per hour with an altitude of 60 to 80 miles. Actual openings may vary from a matter of a minute or two to as much as an hour depending upon the size of the E_s cloud, with usually good to excellent reception noted. Unfortunately it is impossible to predict the exact appearance of sporadic E activity, but statistical data based upon prior observations indicates May through August as being the most prevalent period over the United States; with late morning and early evening hours offering the most likely daily times. Those wishing to grab TV reruns from well beyond the horizon might try during these periods, although sporadic E skip may occur at nearly any hour. The lower VHF-TV band usually provides the bulk of TV DX (channels 2 to 6), while the entire FM broadcast band offers E_s skip possibilities. If you are equipped with a VHF set capable of tuning the "emergency" bands (police, fire, etc), you might just for fun try for some distant reception by hooking the receiver into a TV antenna. A note of caution: Emergency services generally do not take too kindly to monitoring, so reception reports and QSL requests should be very carefully worded....and remember that Section 605 of the Communications Act of 1934 prohibits divulging or using any information derived from such transmissions!!

OSCAR-5 REPORT

First off, may I extend my thanks to those SWLs who contributed to the AO65 monitoring data. It was a tough catch to say the least, but the volume and scope of the reports will certainly provide a lot of information which should advance radio transmission technology.

After repeated delays, the satellite was finally launched at 1131 GMT on 23 January and achieved its programmed orbit almost right on the nose. The 2 meter beacon transmitter (144.050 MHz) conked out around 1945 GMT on 14 February..at least that's when it was last logged. The 10 meter transmitter (29.450 MHz) was then placed into continuous service by ground control. Originally this transmitter was intended to function only on weekends. The heavier power requirements of this rig placed an additional drain on Oscar's batteries, so that by 10 March it also was heard for the last time.

Again, on behalf of the editor and AMSAT, thanks are extended to all those who dug out the 180 milliwatt (0.180 watt) signal and passed it along for study.

ODDS N ENDS

It comes up once or twice every year when we Americans discard orderly system and adopt Daylight Saving Time; the following is an attempt to head off an inquiry: GMT does not change!! Throughout the period of daylight time (October 25 this year), the difference between LOCAL TIME and GMT is one hour less than during the winter...ie: EDT is GMT minus 4 hours, CDT is GMT minus 5, MDT is GMT less 6, and PDT comes out GMT less 7 (unless you are in Arizona, Northern Michigan, or one of those other areas that moves into a different time zone during the summer....see what is meant by "orderly system"??)

Until next month, best of DX

Pack

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE N AFRICA MID EAST	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	AUSTRALIA SOUTH PACIFIC
0000 to 00300	E	31G 49F 60F 25M	25G 31F	19G 25F	25F 31F	19F
	W	25G 31G 49F	25G 31G 19M	19G 16F	25F 31F 49M	19G
0300 to 0600	E	49F 60F	31G 25F 41F	25G 31G 19M	31F 41F 60M	25G 19F
	W	31F 49F 60F	31G 25F	19G 25F	31F 49F 60M	19G
0600 to 0900	E	49F 60F	31G 41F 49F	25G 31G	41F 49F 60F	31F 49F
	W	49F 60F	31G 41F 25F	25G 19F 31F	31F 49F	25G 31G 49F 60M
0900 to 1200	E	49F	25F 31F	31G 25F 49M	31F	41F 49F
	W	49F 60F	31G 25F 41F	25G 31G 49F	41F 49F	31F 49F 60M
1200 to 1500	E	25G	16G 19G	19G 25G	19F 25F	31F 25M
	W	31G 49F 25M	31F 25F	25G 31G 49F	31F 25M	41F 49F 31G
1500 to 1800	E	19F 25M	16G 19G	19F 25M	19F	19M
	W	19F 25F	19G 25F	19G 25F	19F 25M	25F 31M
1800 to 2100	E	19F 25M	19G	19G	19F 25M	NIL
	W	19F 25F	16G 19G 25M	19G	19F	19M
2100 to 2400	E	25F 31F 49F	25G 31F 19F	19G	25F 31F	19M
	W	25G 31F 49M	19G 25F	19G	19G 25F	19F

LEGEND: RCVR ZONE indicates listener's region: E represents EST and CST time zones and W is for MST and PST zones. Reading down to the appropriate GMT and RCVR ZONE, and across to the desired world area will reflect the SWBC bands most likely to offer reception. Quality of the openings is shown by G, F, and M ... Good, Fair, and Marginal respectively.

A S W L C
CONSTITUTION & BYLAWS

ARTICLE I- TITLE, PURPOSES, FUNCTIONS

1. NAME: The official name of this organization shall be THE AMERICAN SHORTWAVE LISTENERS CLUB (abbreviated as ASWLC).
2. OFFICES: The principal office of ASWLC shall be at the place where the Executive Editor conducts Club affairs, or at such place or places, within the continental United States, as the Board of Directors shall determine.
3. PURPOSES & FUNCTIONS of the Club shall be, as an unincorporated, non-profit, hobby-oriented, membership organization, whose income and assets are, by law, owned jointly by all members:
 - (a) To bring together those, especially in North America but not necessarily restricted thereto, whose hobby is shortwave radio, both novices and experienced, and to encourage the active participation of each in the search for and dissemination of mutually helpful knowledge, that all may benefit therefrom, and to advance the cause, the understanding, and the enjoyment of the hobby, worldwide.
 - (b) To promote friendly relations between DXers and stations; in short, to work together for world friendship thru Shortwave.
 - (c) To make awards to members or non-members, associations, or agencies, in recognition of outstanding contributions or accomplishments in the hobby.
4. EFFECT OF CONSTITUTION & BYLAWS: Nothing in this Constitution & ByLaws shall be deemed to impair any acts or proceeding heretofore undertaken by or on behalf of the Club.

ARTICLE II- EMBLEM & OFFICIAL COLORS

1. The official ASWLC emblem shall be as here illustrated.....
2. The official colors of the ASWLC shall be red, white, and blue.

ARTICLE III- MEMBERSHIP

1. MEMBERSHIP in the ASWLC is open to all persons who have an interest in the hobby, who subscribe to the principles and purposes of the Club, and who conform to and comply with the Constitution & ByLaws thereof now or hereafter in effect, including the payment of annual dues.
2. HONORARY LIFE MEMBERSHIP: The Board of Directors shall have the power and authority to grant and convey honorary life membership in recognition of exceptional devotion and services to the Club by a member thereof. Such person shall be a member for life upon conforming to and complying with the Constitution & ByLaws now or hereafter in effect, but shall not be required to pay annual dues.

ARTICLE IV- DUES

1. The Club dues shall be set by the Board of Directors, with the recommendation of the Executive Editor and the Treasurer. A member who is one (1) month in arrears is considered in bad standing and forfeits all rights of membership until such time as he shall pay his dues.
2. Dues are to be paid only by cash, money order, or check, payable to ASWLC.
3. Editors and Directors are exempt from dues. In addition, the Executive Editor may designate certain other members to be exempt from dues if, in his opinion, they are adequately contributing either by their labors or financially, or both, to the production of the bulletin and/or other projects of the Club.

ARTICLE V- DIRECTORS, OFFICERS, MANAGEMENT

1. Except as otherwise provided by law or in this Constitution & ByLaws, the concerns direction, and management of the affairs and funds of the Club shall be vested in the Board of Directors. When in ordinary function, the Board of Directors shall have the fullest authority in the Club. They will, by majority vote or as otherwise required, make or change Club policy, appoint or remove Executive Editors and/or other staff officials, determine who shall or shall not be dismissed from the Club:

in short, make or approve all decisions in running the Club.

2. BOARD OF DIRECTORS: The number of Directors shall be seven (7) and the term of office shall be two (2) years. Elections by the membership shall be held in August of odd-numbered years. Any member may nominate or be nominated, and no second shall be required. A minimum of twelve (12) nominations of members in good standing must be received by the President, in writing, before midnight of June 30th preceding the election, and these will comprise the candidates whose names will appear on the ballots.
 - (a) The Executive Editor shall reserve space in the July and/or August issues of the bulletin, each odd-numbered year, to permit publication therein of such brief statements from the candidates as may be submitted. An official ballot form shall be included in the August issue of the Club bulletin (or under exceptional circumstances may be mailed to each member, individually, in August). To be valid, ballots must each bear the signature, or initials, of the member thus voting and must be in the hands of the President not later than midnight September 30th.
 - (b) Following examination of the original ballots by (1) the incumbent President and (2) the Executive Editor, the seven candidates thus found to have received the greatest number of valid votes of the membership shall comprise the duly elected Board of Directors. The incumbent President shall then immediately notify the new Directors of their election, at the same time requesting that each state, in writing whether he would or would not accept the position of Chairman of the Board (President) if elected thereto. Having thus determined the willing candidates for the Chairman (President), the incumbent President shall immediately mail ballots containing the names of these candidates to the seven Directors-elect, and request immediate return of their signed and completed ballots. The Director receiving the greater number of votes from the newly elected Directors, as verified by the incumbent President and the Executive Editor, shall immediately be seated as President.
 - (c) The President may appoint any Director to serve as Vice President, such appointment becoming effective upon ratification by the majority vote of the Board. The immediate Past President (if not otherwise elected as a Director) and the Executive Editor shall each be ex-officio Directors, without the right to vote.
3. ELECTED OFFICERS: The elected officers shall be, in order of rank, President, President-elect, and Vice President. They shall have such powers and authority and shall perform such duties as are usual, and shall have such other powers and duties as may be from time to time assigned to them by the Board of Directors. The term of office for all elected officers shall be two (2) years for each respective office. They may be re-elected to an unlimited number of terms for the same, or other, office. With respect to the elected offices of President, President-elect, and Vice President, automatic succession shall apply in the above order of rank. In the event of other interim vacancies the Board of Directors shall select a voting member of the Board to fill the vacated position for the balance of the term.
 - (a) The Chairman of the Board (President) shall keep on file all original ballots on all votes taken. It shall be the duty of each outgoing Chairman to supply the new Chairman with these and all other pertinent records of the Club in his possession.
4. STAFF OFFICERS: The following staff officials shall be appointed by and serve at the pleasure of the Board of Directors: (1) Executive Editor, (2) Publisher, (3) Secretary, (4) Treasurer. The Board may, at its discretion, determine which of the above offices may be combined, or separate, at any given time. The Board is also empowered to create any additional staff offices which it may determine to be in the best interest of efficient Club management and performance.
 - (a) Executive Editor: Other than as specified by this Constitution & ByLaws, the powers to be held by the Executive Editor shall be simply, a free hand in all editorial matters with the Club bulletin (SWL) including; appointment of editors and helpers, setting costs for bulletins and supplies, all matters concerning publishing of the bulletin. He is obligated to delete from any article or section submitted for publication any material that appears on its face to be libelous. He shall also make specific recommendations to the Board of Directors to facilitate appoint-

- ment of "fill-in" Directors to replace those who are unable to complete their term. He shall carry out the objectives and decisions of the Board of Directors and, in accordance therewith shall (1) set up and maintain the working organization, (2) direct staff actions to secure maximum coordinated results, (3) assist the Board in regularly reviewing and evaluating staff performance and results thruout the organization, that the Board may be better enabled to re-direct present operations, evaluate the soundness of past accomplishments, and develop future plans and programs. He shall be an ex-officio member of the Board, without a vote. Where powers of the Executive Editor and other staff officials may overlap, and a disagreement cannot be resolved, the matter will be decided by the Board of Directors. The Board can, under the most demanding of circumstances, by a two-thirds vote of the entire Board, declare a state of suspension, during which they shall have the power to remove or appoint an Executive Editor and/or make decisions which are ordinarily made by the Executive Editor. In such cases, a two-thirds affirmative vote, or greater, of the entire Board of Directors is required rather than a simple majority of a quorum.
- (b) Publisher: The Publisher shall perform such duties in connection with the preparation and issuance of all Club publications as may be delegated or prescribed by the Executive Editor, subject to the policies and decisions of the Board of Directors.
- (c) Secretary: All routine correspondence, addressed to the Club, its officers or staff members, which does not appear to require the personal attention of a specific officer or staff member, shall be received and answered by the Secretary, so far as it may be practical to do. He shall also perform such other related duties as the Executive Editor and/or the Board may designate.
- (d) Treasurer: The Treasurer shall maintain accurate and complete financial records of the Club and shall make a full report of income and expenditures to every member of the Board of Directors at six (6) month intervals. He shall make a more general report to the membership, via the Executive Editor and the bulletin, at least once per year. The Treasurer shall continuously maintain a current inventory of all of the Club's assets, including monies, typewriters, printing and office equipment, and other physical properties, and shall record the value thereof and where each item is situated. It shall be the duty of the Treasurer to oversee expenditures made by the Club with regard to the spending of Club dues and/or all other income, and to make certain that there occurs no irresponsible spending which might jeopardize the financial stability of the Club treasury. No officer or member shall have the right to spend any amount of the Club income for any purpose other than for the betterment or normal functioning of the Club.
- (e) Section Editors: The Executive Editor shall select and appoint all Section Editors who, in turn, may select and employ one or more assistants. Section Editors shall function as qualified and dependable team members in the preparation and publication of the ASWLC monthly bulletin and/or other occassional duties. Subject matter and the manner of presentation is the responsibility of each Section Editor, subject to such guidelines and instructions as may be set forth by the Executive Editor, or thru him by the Board of Directors, for purposes of coordination and control.

5. MANAGEMENT

(a) RULES OF THE BOARD OF DIRECTORS:

QUORUM: A quorum of the Board of Directors shall be five (5). Motions or resolutions need not be seconded. A minimum of five valid votes, either affirmative or negative, must be cast and the vote of the majority, except where specifically provided otherwise by this Constitution & ByLaws, shall constitute the act of the Board. Each Director must, in all cases, validate his ballot by affixing his recognized signature or initials thereto. No "abstention" or "present" notations will be recognized except under unusual circumstances approved by the Board. All votes must be specifically either affirmative or negative (for, or against). In the event of a tie vote, the Board of Directors shall resolve the matter thus deadlocked. A telephoned vote is not valid unless confirmed in writing within seven (7) days.

MEETINGS: As used herein, "meeting" shall not necessarily imply the physical gathering together in one place of the members of the Board. Rather, because of the

geographical separation of the members, it shall mean the concerted action of the group to act, or vote, or otherwise perform certain duties in response to the call of the President. First class mail shall always be employed for these communications whenever a physical meeting of the group or a quorum is impractical. The President shall regularly prepare an agenda for two (2) meetings each calendar year, one in January and one in July, for the Board to consider such matters as he may deem necessary, and to register their opinions and/or their votes thereon. Upon the call of the President or on the written request of a majority of its current members, the Board of Directors shall meet at other times, as well.

NOTICE: Notice of all meetings of the Board of Directors shall be given by sending copies thereof, by First class mail, at least ten (10) days prior to the date of the meeting, addressed to the respective members of the Board, and shall specify the subjects to be considered. The Immediate Past President and the Executive Editor shall receive notice of all meetings of the Board unless they give notice, in writing, of their desire not to receive such notices and, as ex-officio members of the Board, shall be entitled to present their views upon all matters coming before said meeting, but not to vote. In the interval between bi-annual meetings of the Board of Directors, the President may refer and submit by mail to the elected members of the Board (with copies to ex-officio members) specific questions relating to the affairs or management of the Club, or elections to fill vacancies, or amendments to the Constitution & ByLaws, which in the opinion of the President require immediate action on the part of the Board. The result of such referendum, if approved by the required vote of the Board members, shall constitute the act of said Board of Directors and shall be binding upon ASWLC, its officers, Directors, staff, and members, in the same manner as if the approval were taken at a duly constituted bi-annual meeting.

(b) Vacancies: A vacancy in an elective office or on the Board of Directors shall arise upon the death, resignation, or declination to serve of such officer or Director, or upon the repeated failure of a Director to vote, or to perform, or to communicate, and the subsequent action of the Board whereby he has been removed from office by the majority vote of the remaining Directors. Any vacancy or vacancies on the Board shall be filled for the unexpired term by a majority vote of the remaining Directors after first requesting that the Executive Editor submit his recommendations of members worthy of consideration. Any vacancy of the office of President, President-elect, or Vice President shall be automatically filled by the next officer in rank and the Board may thereby appoint another member of the Board to the position of Vice President for the unexpired term.

ARTICLE VI- SUSPENSION OR EXPULSION

1. Any member may be suspended or expelled from membership for cause, consisting of any statement or conduct deemed by the Board of Directors to be detrimental to the best interests of ASWLC or any of its services, upon 30 days notice by ordinary mail to the person involved, sent to his or her last known address, stating the grounds of the proposed suspension or expulsion and affording the accused an opportunity to submit any reason or data and be heard on his or her own behalf. Pending notification or action by the Board, the President may summarily suspend forthwith any such person, which shall be effective until such action by a majority vote of the Board.
2. Any member shall be subject to summary suspension or expulsion from membership by the Board if it shall appear to its satisfaction upon or without charges or hearing, that any such person has made available or suffered publication or release of a complete or partial list of members of the Club, to any person or organization not having prior written authorization by the President of ASWLC to receive the same, or who authorized, participated in or suffered the representation by any person or organization that he or it represents or is agent of, or is authorized to act for ASWLC without having received prior written authority therefor, signed by the President of the Club.

ARTICLE VII- MEMBERS' ADVISORY COMMITTEE

1. The Board of Directors may from time to time select outstanding qualified members to constitute a membership advisory group, for a term of two (2) years or until the

next regular election, whichever period shall be the shorter, the function of which shall be to maintain liaison between the general membership and the President, and to lend wise counsel to the Club in the furtherance of its objectives.

ARTICLE VIII- PUBLICATIONS

1. The ASWLC shall publish a regular monthly bulletin (SWL) which shall contain items of interest to its members. It shall be mailed to all members of the Club in good standing. The Club may also publish other periodicals, special publications, pamphlets, etc., approved by the Board of Directors. All publications shall be issued at such intervals as the Board may find convenient.
2. No editor or writer of any column or section in SWL, or other Club publication, shall use the pages of the Club publications for the purposes of carrying on any feud with other radio hobby clubs, editors, or authority of any kind. Nor shall any editor use the pages of ASWLC publications for the purpose of advocating his personal political or ideological views.

ARTICLE IX- AMENDMENTS

1. The Constitution & ByLaws in force at any time may be amended only in the following manner; by an affirmative vote of two-thirds of the entire Board of Directors when the text or import of the amendment shall have been supplied to all Directors in printed or typewritten form, in accordance with Article V, Section 5a. If such proposed amendment be disapproved or fail of approval the member proposing the same shall within ten (10) days be notified of the action taken, together with the reasons therefor and, if the proposed amendment be revised, the member may again submit it in writing for consideration by the Board. If, however, it is again disapproved, such proposal may thereafter not come before the Board for discussion or action unless accompanied by a petition, in writing, signed by at least 10% of the current whole membership of the Club. Amendments may be proposed by any member of the Club in good standing.

ARTICLE X- COMMUNICATIONS

1. In order to maintain orderly procedures, communications requesting or requiring action or response from the Board of Directors, elected officers, or staff members, shall be made in writing. No final or completed action shall be based solely on telephone conversations; to permit fair and proper consideration, the Board, officers, and staff must be enabled to ascertain the authenticity and import of the text presented.

ARTICLE XI- STATUS

1. The ASWLC is intended to be and remains a non-profit, unincorporated Club organization, existing for the mutual benefit of its members. The officers, Directors, and staff thereof shall refrain, to the extent that they may do so without substantially abandoning or varying from the essential purposes and functions of the Club, from any action or activity which shall prevent or compromise in any way or to any degree such status of the ASWLC, or its right to receive donations which may be tax-deductible, or which may jeopardize its status as an organization whose receipts are exempt from income taxation of every kind.

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Sister Club: CEYLONESE SWL CLUB is the official "sister" club of ASWLC.
CSWLC; Victor Gooverilleke, "Galle Walauwa", Piliyandala, CEYLON.
Every 2nd Saturday of the month at 1100-1110 GMT, the CSWLC presents
"DX-PANORAMA" Listen!!!!!!! In English on 17.830 kHz.

HCJB - ASWLC Radio station HCJB uses "SWL" as it's official news source over the
"DX PARTY LINE". Tune in at 0230-0300 GMT on Tuesdays ... 15115 -
11765 & 9745. 1930-2000 GMT on Tuesdays ... 21460 - 17880 & 15115.
0930-1000 GMT Wednesdays ... 15325 - 11915 - 9745 & 6050.

ABC - ASWLC The Ray Briem Show heard nightly over KABC-am 790kc in Los Angeles.
Midnight to 0500 PST 0800 - 1300 GMT. Listen and Soon.

A.N.A.R.C. The ASWLC is a member of the Association of North American Radio Clubs.

A.R.E.A. ASWLC is a member of Amateur Radio Editors Association.

A.F.C.E.A. ASWLC is a member of the Armed Forces Communication & Electronics Ass.

A.M.S.A.T. ASWLC is a member of the Amateur Satellite Corporation

ASWLC annual dues are \$7 via First Class Mail. Sample bulletins @ 50¢ first class.

POSTMASTER; Return to
16182 Ballad Lane
Huntington Beach
California 92647

FIRST CLASS MAIL



John F. Finckney WPEL/KJA
2903 School Street
Alexandria, VIRGINIA
January 22303
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"He stretcheth out the north over the empty place, and hangeth the earth upon
nothing." Job: 26:7 "Which maketh Arcturus, Orion, and the Pleiades, and the
chambers of the south." Job 9:9 "Canst thou bind the sweet influences of
Pleiades, or loose the bands of Orion?" Job 38:31.

ASWLC --- The Only Way To Go



"ASWL" C



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11 No. 7

FOUNDED: DECEMBER 1959

JUNE 1970

ASWLC SECRETARY

David Thorne, 1506 Dresser Street, Santa Ana, California-92701, has been appointed secretary for the club. He will be handling the membership records and many other duties. All inter-club mail should go to Dave, if not designated for an other officer or editor. Dave will also handle the Membership Certificates.

I welcome Dave to the staff of ASWLC. Also congratulations are due him and his xyl for the new member added to his family staff!

MEMBERSHIP CERTIFICATES

Due to the former heavy workload at headquarters, the membership certificates have been very slow in getting mailed out. If you have not rcvd yours by now you may obtain one by sending your name just as you want it on the certificate and your complete mailing address to Dave Thorn. (address above).

All USA members are asked to enclose a mint 6¢ stamp. DO NOT SEND A SASE as the certificates will be sent out in a large manila envelope. Also please send in the make and model of your receiver(s). In a future issue we will print the results of this survey. Members who already have certificates may send the info on a postcard. Your co-operation is very much appreciated. Thank you David Thorne.

EXECUTIVE EDITOR

Bill Ray, #52 Matilda Avenue, Mill Valley, California-94941, has been appointed the new executive editor. Bill's job will be keeping "SWL" the first class bulletin that it is. His first Headquarters Section will be with the July issue of "SWL". I take this opportunity to welcome Bill to the staff of ASWLC. I am sure that Bill will carry on the fine tradition that has been set forth by our esteemed former executive Editors. May his journey be a very long one with the ASWLC.

PUBLISHER - TREASURER

Stewart Mac Kenzie, WPE6AA, 16182 Ballard Lane, Huntington Beach, CALIFORNIA-92647 will remain as the publisher/treasurer. Please make the above corrections to your files. I want to thank everyone who has been involved in these expansion moves for our club. They have been made to better serve you and spread out the workload more evenly. The main postal address of the ASWLC is to remain at Huntington Beach. I hope, you the membership, will approve these changes and support these two new worthwhile workers for our club/hobby.

It has been a joy being your Executive Editor these past four years and I thank you one and all for the fine support you have sent my way. THANK YOU WPE6AA

BROADCASTING STATIONS OF THE WORLD: September 1, 1969, USIA publication.

Part 1, AM Stations According to Country and City. (242 pages). PrEx 7.9:969/pt.1
Part 2, AM Stations According to Frequency. (248 pages). PrEx7.9:969/pt.2 \$1.75
Part 3, FM Stations, except those in the USA on domestic channels. PrEx7.9:969/pt.3
Part 4, TV Stations, except those in the USA-domestic channels. PrEx7.9:969/pt.4
Parts 1 & 2 are \$1.75 each. Part 3 is \$1.50. Part 4 is \$2.50. Order the above via
Superintendent of Documents, US Govt Printing Office, Wash., DC - 20402.

THE DX HANDBOOK by JOHN LOSEMAN of the BATESVILLE SHORTWAVE ASSOCIATION.

The Batesville Shortwave Association has issued its first special publication dealing with the swl hobby. It contains 23 pages on how you can get more out of the hobby. Cost is \$1.50ppd and you may order your copies from, Batesville Shortwave Association, PO 763, Batesville, Arkansas, 72501.

LAND-LINE CHATTER: VPE3HZF

Member Gary S. Goltz, 6449 Nicholson Street, Pittsburgh, PA-15217, would like to have some local dxers call him for some chats on the hobby. His phone number is 421-5395. Gary is a very active member of the club, so all you local chaps give him a ring on the ole land-line, he'll be very happy to chat with you for a while.

IMPORTANT NOTE via the Swiss Broadcasting Corp., SBC.

The programme schedule valid from May 3rd to Oct 31, 1970, North and Central America section only. The times noted are for DAYLIGHT SAVINGS TIME and not Standard Time. If in doubt use the GMT time as listed. (direct from the SBC)

BCB DX SPECIAL

KVBR, 1340 kc/s., Brainerd, Minnesota, will test their 1000 kw transmitter expressly for DX-ers. All correct reports will be verified but a self-addressed stamped envelope is a MUST. Reports should be specifically beamed to Mr. Mark W. Persons, Chief Engineer, KVBR, 1340 Ransford Bldg., Brainerd, Minnesota-56401.

The tests will be on June 19 and 20, 1970, at the following times: 0030-0040, 0100-0110, 0130-0140, 0200-0210, 0230-0240, 0300-0310, 0330-0340. All times listed as CENTRAL DAYLIGHT SAVINGS TIME, (CDST). Mention ASWLC when sending in your reception report to the station. Our thanx to Hank Bennett of NNRC for the above dx tip.

RESIGNATIONDX FORUM

Chuck Sadoian, editor of the above column has resigned his position as editor. Any one interested in editing the DX FORUM column may contact the Executive Editor for further info.

VISUAL MAJORITY

This does not pertain to swling but I thought a few members might want to take part in this worthwhile program. You can recv a decal with an American flag and a thumbs up hand with the following inscription, "Dissension without destruction." The decals can easily be applied to any car window. They are 15¢ each and can be ordered from Visual Majority, PO Box 552, Sierra Madre, California-91204. Also enclose an SASE.

OLD MEXICO

Science & Electronics magazine, June-July issue, page 61 has an excellent article on DX-ing Mexico. It is skillfully done by NASWA member Don Jensen. The article is very timely as the 9th World Football Games (Soccer) are in progress. Many stations will be carrying and relaying these international championship games.

FAREWELL VPE6AA

No, not really, I'm just going back to my old job of Publisher/Treasurer. As stated before, I want to thank everyone who gave me their support over these past years. I'll be seeing you all in the "SWR" sections and the "Utilities" section.

Remember, be an "ACTIVIST" support your club today!

a summary in SWL. The summary follows:

1970 WRTVH: The original shipment in mid-January was sent by the wrong airline. After two weeks it was returned to Billboard in Cincinnati and reshipped by truck. This shipment went astray and was never received by Todd. Many phone calls over several weeks resulted in a new shipment which reached SWL Guide two months late. Graves states that all orders have now been filled.

Radio Today: The explanation is simply that the publishers delayed publication of the first issue which did not appear on the San Francisco news stands until May 1.

Murch dipole antenna: The first batch was received in December and several orders were filled. The next three shipments were never received from the manufacturer. The Murch Company replied to Todd's inquiry that a shipment of Belden 7-22 wire ordered by Murch was late in arriving. Todd states that by April he received his orders and has sent out the antenna to all customers except for two which received refunds.

Joystick - Joymatch system: This item is manufactured in England. For some unknown reason the supply of joystick and joymatch units has dried up completely so far as SWL Guide is able to discover. Todd has not been able to obtain the units directly from England nor from a Canadian distributor. His complaints went unanswered, so I am sure that Todd knows how some of his customers felt. He states that 31 orders were filled in 1969 but an additional 29 orders came in as the result of publicity in SWL. He has not been able to fill many of these orders and apparently will not do so. He stated that of the 25 orders now on hand refunds have been sent out to five and he is in the process of writing and/or sending refunds to the rest.

Unanswered correspondence: Todd admits that this is a legitimate complaint. By way of explanation he states that he has a very bad back and trouble with his legs that makes it painful to sit at a typewriter for any length of time. He expresses the intention of trying to keep his customers happy in the future, however, by promptly answering their complaints. He also intends to try to provide a definite statement of when delivery can be made on any item which a customer may ask about. He also states that the book "How to Listen to the World" was expected in June. There is now a possibility that it will not be published until late in 1970.

The B.O.D. hopes that SWL Guide will function smoothly in the future. If Mr. Graves has overlooked the orders of any ASWLC members, such member should immediately write SWL Guide for an explanation or a refund. The current address is: SWL Guide, 414 Newcastle Road, Syracuse, N. Y. 13219. It is to be hoped that Todd Graves makes an effort to keep his customers happy since only happy customers are repeat customers.

MYSTERY TIME SIGNAL STATION

An unknown Time Signal station has been noted on 9.340 mc/s in SPANISH from around 0500-0800 GMT. Announcer is a female. Would appreciate information on this station. Send your notes to Publisher ASWLC, 16182 Ballad Lane, Huntington Beach, California-92649. Many thanks for your help Stewart-wpe6aa.

SARAWAK, R Malaysia, 7160, 1400, Eng news, exc, 9/5 ("Courtesy tip August Balbi")
 Arrington, Calif.

SAUDI ARABIA, B.S.K.S.A., 15150, 0330, Ar & Ar mus, very good, 4/5, Caldwell, Calif.

SAUDI ARABIA, B.S.K.S.A., 15150, 0329 (signon), Ar, [qual.?], 3/5, Rowell, Wash.

SAUDI ARABIA, B.S.K.S.A., 15148, 2127, Ar mus, [qual.?], 17/5, Ferguson, Fla.

SINGAPORE, R Singapore, 11940, 1400, Eng news, good, 8/5, Arrington, Calif.

SINGAPORE, R Singapore, 5052, 1400, Eng news, exc, 16/5, Fisher, Calif.

THAILAND, Thai Television, 0300-0700, Sundays only, on 6095, Eng, pop mus ("Motoring Melodies"), news 0500, strong, 10/5, Hauser, Thailand.

THAILAND, Or Sor, the Dusit Palace outlet, 6405, 1045, apparently has evening transmission daily except Sunday, 1100 Thai ident, taped program "Mus Express," Eng anmts, 2/5, Hauser, Thailand. [Did I get all of that right, Mr. Hauser? RWF]

THAILAND, Sattanii Withayu Suk Sah, Krung Thep, 3204, "should be a good target for DX-ers abroad," 1100 signon by man and woman in Thai and Eng ("Educational Broadcasting Station of Thailand," // trans announced 6060, 5/5, Hauser, Thailand.

TURKEY, R Ankara, 15160, Eng news 2200, [qual.?], 17/5, Ferguson, Fla.

VIETNAM (NORTH), V of Vietnam, 15015A, 1300, Eng news, new freq. for this trans, strong, 13/5, Balbi, Calif.

VIETNAM (NORTH), V of Vietnam, 10050A & 12040, Eng to 1558 signoff, fair, Balbi, Cal.

VIETNAM (NORTH), V of Vietnam, 10040, 1530, Eng news, fair, 3/5, Fisher, Calif.

YEMEN, R Sana'a, 4938, 1714, Ar, news, march mus, Ar talk, 24/4, Hauser, Thailand

OCEANIA

AUSTRALIA, R Aus Darwin, 21540//15160//15240//9560, etc., 0800, Eng news, Wood, Hawaii.

AUSTRALIA, R Aus Perth, 6140, 1415, Eng, classical mus & commentary, fair, 4/5, Arrington, Calif.

AUSTRALIA, R Aus Brisbane, 4920, 1352, Eng talk & pop mus, fair, 1/5, Arrington, Cal.

NEW BRITAIN, R Rabaul, 3385, 1251, Pidgin talk, signoff 1300, poor, 9/5, Fisher, Cal.

NEW CALEDONIA, R Nouméa, 7170, 0720, Fr anmt for "le General Store," local com'l programming, "loudest of the 41 m.b. signals," [date?], Wood, Hawaii.

NEW CALEDONIA, R Nouméa, 7170, 0630, Fr, Am pop mus, good, 26/4, Caldwell, Calif.

NEW CALEDONIA, R Nouméa, 7170, 0650, Fr, pop mus, ident and Fr news 0700, fair, 17/5, MacKenzie, Calif.

NEW ZEALAND, R N.Z., 17770, 0400, Eng, Dominion Weather, good, 18/4, Bacon, La.

NEW ZEALAND, R N.Z., 15280, 0412, Eng, sports, good, 8/5, Arrington, Calif.

NEW ZEALAND, R N.Z., 9540, 0600, Eng, B.B.C. news & Maori mus, fair/good, [date?], Seymour, N.C.

NEW ZEALAND, R N.Z., 15280, 0300, Eng, "still being heard consistently well," 4/5, Caldwell, Calif.

NEW ZEALAND, R N.Z., 9520, 1031, Eng ident, jazz mus, fair, 11/5, Lobdell, Mass.

NEW ZEALAND, R N.Z., 15280, 0130, Eng, news, mus, commentary, poor, //freq 17770 not heard, 25/4 & 6/5, Zilmer, Wis.

PAPUA/NEW GUINEA, R Aus, 9520, 0645, Eng, play, [qual. & date?], Wood, Hawaii.

PAPUA/NEW GUINEA, R Aus, 4890, 1348, Eng, sched & pop mus, good, 1/5, Arrington, Cal.

STATION/COUNTRY OF THE MONTH

SOLOMON ISLANDS, S.I.B.S., 7115, 0700-1030, Pidgin & Eng news 0800, lots of South Sea mus, B.B.C. news relay 0900, signoff 1130, fair signal, no int, heard daily since 2/5, Balbi, Calif.

SOLOMON ISLANDS, S.I.B.S., 7115, 0945, Pidgin & Eng, [qual.?], 10/5, Matthews, Ohio.

SOLOMON ISLANDS, S.I.B.S., 7115, 0859, Eng ident, B.B.C. news relay, good, 16/5, Lobdell, Mass.

SOLOMON ISLANDS, S.I.B.S., 7115, 0815, Eng, mus request pro, fair, 16/5, Fisher, Cal.

GET IT WHILE YOU CAN!

TAHITI, R Tahiti, 11825, 0400, Fr, nat mus, Fr & nat idents to past 0600, good, 29/4, Caldwell, Calif.

TAHITI, R Tahiti, 11825, 0412, Fr, Tahitian & Island mus, good, 12/5, Arrington, Cal.

TAHITI, R Tahiti, 6125, 0745, Fr, play, loud, but wretched modulation, //11825, good modulation [date?], Wood, Hawaii.

Associate Editor: Carroll R. (Pat) Patterson, WPE4KHW

784 North Parkwood Road

Decatur, Georgia 30030

July Deadline: 18 June 1970

August Deadline: 17 Jul 1970

(All times are GMT)

RECEPTION REPORTSARGENTINA

9690 0100 LRA32, R.A.E.; Buenos Aires; Sp; mx & anmts; fair -
QRM fr RSA, 9695 (Bacon, La). 0330; Sp; good
(Caldwell, Calif)

11780 0300 LRY2, R. Belgrano; Buenos Aires; Eng; "comment" &
Argentine mx - req. listeners to write for
info on Argentina (Caldwell, Calif)

BOLIVIA

5025 0100 CP75, La Cruz del Sur; La Paz; Sp; rel. prgr, ID, nx;
(Ferguson, Fla)

5045 0510 CP38, LV de Altiplano; La Paz; Sp ID by gal & mx;
fair (Lobdell, Mass). 0707; Sp; pop mx & ancmts but
no ID (tent.) (Ferguson, Fla)

6005 0100 CP58, R. Progreso; La Paz; Sp; Bolivian mx; good (Cald-
well, Calif). 1030; Sp; TCs & mx; poor (Patterson,
Ga)

BRAZIL

3375 0120 ZYK28, R. Olinda Pernambuco; Recife, Pe; Port; sports;
fair (Ferguson, Fla). 0320; Port; Brazilian mx;
fair (Kamp, Texas)

4994 0010 ZYX2, R. Brasil Central; Goiania, Go; Port; sports;
(Ferguson, Fla). 0130; Port; ads & mx; fair (Chris-
-tian, Wash)

5045 0120 ZYP23, R. Quitandinha; Petropolis, RJ; Port; rel pgr;
ID for R. Copacabana at 0157 & 0200 - seemed
to be another ID but did not catch (Williams, Ore)

5955 2307 ZYR226, R. Gazeta; Sao Paulo, SP; Port; nx & ID; poor
(Lobdell, Mass)

5965 0020 ZYU60, R. Guiaba; Porto Alegre, RGS; Port; sports;
good (Ferguson, Fla)

6000 0155 PRK5, R. Inconfidencia; Belo Horizonte, MG; Port;
mx & anmts; fair - QRM fr VOA, 5950 (Bacon, La)

6085 0300 ZYK2, R. Jornal do Comercio; Recife, Pe; Port; mx;
good (Caldwell, Calif)

9675 1025 ZYT29, R. Diaria da Manha; Florianopolis, SC; Port;
mx & comls; poor (Patterson, Ga.)

11720 0400 PRL, R. Nacional; Brasilia, DF; Port; mx; excellent
(Caldwell, Calif)

11865 0411 PRA8, R. Clube Penambuco; Recife, Pe; Port; "easy type
listening" - mx & anmts; fair (Lobdell, Mass)

15155 0100 ZYB9, R. Dif. de Sao Paulo; Sao Paulo, SP; Port; pop
mx; excellent (Caldwell, Calif)

15180 0130 ZYN30, R. Cultura da Bahia; Salvador, Ba; Port;
classical mx; excellent (Caldwell, Calif)

CANADA

6070 0732 CFRX; Toronto, Ont; Eng; "advice to the lovelorn",
mx & wx; fair (Pilkington, Wash). no time indi-
cated; Eng; pop mx & Volkswagen & Ovaltine comls;
good (Redman, Ill)

6160 0200 CKZU; Vancouver, BC; Eng; pop mx & interviews; exc.
(Arrington, Calif)

CHILE

6115 0400 CE611, Soc. Nac. de Agricultura; Santiago; Sp; mx;
good (Caldwell, Calif)

9590 0448 CE959, R. Pres. Balmaceda; Santiago; Sp; mx to s/off
at 0504; fair (Pilkington, Wash). 1018; Sp; nx;
fair (Lobdell, Mass)

9750 0300 CE975, Soc. Nac. de Minería; Santiago; Sp; mx; poor-
bad QRM (Caldwell, Calif)

COLOMBIA

4767½ 0125 HJDY, R. Catatumbo; Ocaña; Sp; man & woman talking -
ID in passing (Ferguson, Fla) (WRTVH:4765 kcs)

4775 0530 HJKW, LV de María; Bogotá; Sp. Easter Mass on Eas-
ter Sunday morning - ID & anthem at end, s/off
0609 (Sparks, Calif)

4945 1005 HJDH, R. Colosal; Neiva; Sp; "typical mx" w/anmts;
good (Lobdell, Mass)

4955 0502 HJCQ, R. Nacional; Bogotá; Sp; mx & singing; poor
(Pilkington, Wash). 0230; Sp; classical mx & talks
by yl; good (Redman, Ill)

5020 0600 HJFW, Transmisora Caldas; Manizales; Sp; R. Cadena
Nacional prgr - songs & mx; poor (Pilkington, Wash)

5075 0300 HJGC, R. Sutatenza; Bogotá; Sp; nx & mx; good (Bacon, La)

5095 0445 HJGG, R. Sutatenza; Bogotá; Sp; pop LA mx & ID at 0445;
s/off 0450; fair (MacKenzie, Calif)

6035 1115 HJCT, R. Nacional; Bogotá; Eng & Oriental lang; good
(Arrington, Calif) (WRTVH:6030 kcs)

6040 0322 HJLB, LV del Tolima; Ibagué; Sp; lots of adds, sports,
TCs & ID plus ID & freq in Eng; fair (Williams,
Ore). 0355; Sp; s/off & nat. anthem; fair (Chris-
tian, Wash). 0230; Sp; pop mx; good (Bacon, La)

6095 0230 HJIW, LV del Centro; Espinal; Sp; pop mx; good (Ba-
con, La)

6160 0315 HJKJ, Em. Nueva Granada; Bogotá; Sp; pop mx; good
(Bacon, La). 0430; Sp; LA mx & anmts, ID as "R.
Cadena Nacional"; excellent (Redman, Ill). 0600;
Sp; mx; poor - bad QRM fr CBC (R. Canada) (Caldwell,
Calif)

6175A 0443 HJLW, Ecos del Combeima; Ibagué; Sp; LA mx-ballads,
TC, some adds; fair (Williams, Ore)

6195 0423 HJEZ, LV de Cali; Cali; Sp; LA mx & singing, ID & ads,
TC 0431, "musica por siempre" (poor to fair);
(Williams, Ore)

9635 0055 HJCQ, R. Nacional; Bogotá; Sp; good (Bacon, La)

COSTA RICA

4690A 0930 TIHBG, R. Reloj; San Jose; Sp; LA mx & several IDs
"Radio Reloj de Costa Rica"; excellent (Redman,
Ill). On 4695; 0210; Sp; speech by man; poor
(Lobdell, Mass)

5954 0548 TIQ, R. Casino; Limon; all Eng; pop songs, s/off
0600; fair (Pilkington, Wash)

6006½ 0313 TIHBG, R. Reloj; San Jose; Sp; ID & songs (Ferguson,
Fla)

6037 0130 TIFC, El Faro del Caribe; San Jose; Sp; hymns, anmts,
ID, piano mx (Ferguson, Fla)

6150 0500 TI, R. Atenea; San Jose; Sp; pop records & freq IDs;
"not hrd very often now" (Sparks, Calif)

9645 0300 TIFC, El Faro del Caribe; San Jose; Eng; fair
(Bacon, La)

DOMINICAN REPUBLIC

3355 0125 HIBD, LV de La Romana; La Romana; Sp; songs & light
mx (Ferguson, Fla)

4725 0425 HIAS, Onda Musical; Santo Domingo; Sp; mx & s/off
0430; fair (Christian, Wash) (WRTVH:4795 kcs)

4825 0157 HI, LV de Las Fuerzas Armadas (Armed Forces sta);
Santo Domingo; Sp; complete ID, anthem & s/off
at 0159; good (Lobdell, Mass). 0005; Sp; songs;
good (Ferguson, Fla). (CRP note: per Chris Lobdell
this is a new station)

5010 0347 HIMI, R. Cristal; Santo Domingo; Sp; NA & LA pop mx
& nx; good (Patterson, Ga)

5030 0348 HIBB, LV del Papagayo; La Romana; Sp; light mx till
s/off anmts 0401 & taps anthem at 0405 - was
good after R. Continente s/off 0357 (Kamp, Texas)

9505 0320 HISP, Radio-TV Dominicana; Santo Domingo; Sp; mx
& anmts; fair - QRM fr BBC (Bacon, La)

ECUADOR

3378 0410 HCDY4, R. Iris; Esmeraldas; Sp; Ecuadorian mx (Ferguson,
Fla)

3391 0410 HCOT1, R. Zaracay; Santo Domingo de los Colorados;
Sp; Ecuadorian mx (Ferguson, Fla). 0432; Sp; LA mx,
complete ID 0436, TC; lots of Util QRM - other-
wise Fair (Williams, Ore)

4679 0125 HCWE1, R. Nac. Espejo; Quito; Ecuadorian mx & anmts
(Ferguson, Fla). 0340; Sp; LA mx; fair (Redman, Ill)

4712 0130 HCAV3, R. Luz y Vida; Loja; Sp; Ecuadorian mx; poor-
quite weak (Ferguson, Fla). 0609; Sp; Ecuadorian
mx; poor (Williams, Ore)

4791 0415 HCVP2, R. Sistema Atalaya; Guayaquil; Sp; sports &
LA mx, s/off 0455; poor - noisy (Williams, Ore)

4807 0420 HCMB5, R. Popular Independentiente; Cuenca; Sp;
Ecuadorian & LA mx; heavy QRM at times - poor
(Williams, Ore)

4910 0515 HCMJ1, Em. Gran Colombia; Quito; Sp; mx & anmts & ID;
good (Lobdell, Mass)

4930 0245 HCCR1, R. Casa de la Cultura; Quito; Sp; nx via BBC
© 0300, talks & classical mx (Christian, Wash).
0356-0411 s/off; Sp; Ecuadorian mx; fair (Williams,
Ore)

ECUADOR (cont'd)

4940 0443 HCXZ1, R.Nac. del Ecuador; Quito; Sp; unint. light mx till 0500 ID, anthem & s/off 0502; fair (Williams, Ore)
6100 0400 HCSP4, LV del Volante; Portoviejo; Sp; mx; good (Caldwell, Calif)

EL SALVADOR

6010 0445 YSS, R.Nac. de El Salvador; San Salvador; Sp; LA mx & talks; s/off 0500; good (Redman, Ill)

FRENCH GUIANA

3385 2325 O.R.T.F.; Cayenne; Fr; French songs; "nice lvl" (Ferguson, Fla)

GRENADA

3280 0120 W.I.B.S; St. George's; Eng; discussion; good (Ferguson, Fla)

GUATEMALA

3360 0245 TGVN, LV de Nahuala; Nahuala; Sp; Guatemalan mx; fair (Kamp, Texas). 1130; Sp; good (Christian, Wash). 1133; Sp; marimba mx; some CWQRM, fair-poor (Williams, Ore)

3380 0320 TGCH, R. Escuela Radicofonias (R. Chortis); Jocotan; SP; LA mx, good ID 0333, some QRN, poor to fair (Williams, Ore)

5955 0400 TGNA, R. Cultural; Guatemala City; Eng; religious prgr; good (Bacon, La)

11700 0100 TGQB, R. Nacional; Quezaltenango; Sp & Eng; nx, Barbara Streisand's record "People"; fair (Pilkington, Wash)

GUYANA

3265 0120 R. Demarara; Georgetown; Eng; light mx; fair (Ferguson, Fla)

HAITI

6155 1045 4VWB, R. Citadelle; Cap-Haitien; Fr; singing & talk; poor (tentative) (Patterson, Ga.)

11833½ 0204 4VEJ, R. Sta. 4VEH; Cap-Haitien; Eng; nx (Ferguson, Fla)

15275 0000 4VWI, R. Sta. 4VEH; Cap-Haitien; Eng; rel. mx, rel prgrs; fair - some QRM fr Habana on 15260 (MacKenzie, Calif). 0100; Eng; rel mx & prgr; excellent (Arington, Calif). 0208; Eng; s/off & req. for reports - gave calls 4VEH, 4VEJ, 4VWI; ID: "Evangelistic Voice of Haiti; poor - bad het co-channel QRM (Glover, Wash)

HONDURAS

4820 0300 HRVC, LV Evangelica; Tegucigalpa; Eng; rel. prgr; good (Bacon, La)

4846 0135 HRVK, LV de San Isidro; La Ceiba; Sp; man w/anmts; ID @ 0135 (Ferguson, Fla)

MEXICO

6045 0330 KEXQOC, R. Univ. Nac. Potosina; San Luis Potosi; Sp; classical mx; good (Caldwell, Calif)

6105 0330 XEQM, R. Sistema Yucatan; Merida; Sp; mx; fair (Caldwell, Calif)

6115 0030 XEIDS, R. Univ. de Sonora; Hermosillo; Sp; classical mx; good (Caldwell, Calif)

MEXICO (cont'd)

6140 0558 XERUU, R.Univ. de Chihuahua; Chihuahua; Sp; concert mx & full ID at 0558 s/off; (Sparks, Calif)

9515 0330 XEWW, LV de la America Latina; Mexico, D.F.; Sp; freq. IDs; good (Caldwell, Calif). 0413; Sp; mx; good (Pilkington, Wash)

9745 0330 XERMX, R. Mexico; Mexico, D.F.; Sp & Eng; Mexican pop mx; excellent; this is a new freq being added to 9535, 6055, & 11720 - all being hrd very well (Caldwell, Calif)

11820 0130 XEBR, El Heraldo de Sonora; Hermosillo; Sp; nx; excellent (Caldwell, Calif)

11880 0230 XEHH, Rdif. Comerciales; Mexico, D.F.; Sp; classical mx; good (Caldwell, Calif)

15110 0300 XERR, Rdif. Comerciales; Mexico, D.F.; Sp; mx; good - some QRM (Caldwell, Calif)

15160 0200 XEWS, LV de la America Latina; Mexico, D.F.; Sp; mx; good (Caldwell, Calif)

PERU

4937 0520 OAX9E, R. Tropical; Tarapoto; Sp; almost cont. Peruvian & Andean mx - few anmts, complete ID 0540, anthem & s/off 0544; poor (Williams, Ore)

4975 0721 OCX4H, R. del Pacifico; Lima; Sp; Spanish-type mx; noisy - poor (Pilkington, Wash)

4995 0520 OAZ4C, R. Andina; Huancayo; Sp; Andean mx & anmts; QRM fr WWV - tuned low side only; poor (Williams, Ore)

5050 0340 OAX8E, R. Loreto; Iquitos; Sp & Eng; NA pop tunes in Eng, s/off 0400; very noisy; poor (Williams, Ore). 0655; SP; complete ID w/all freqs & calls @ s/off 0700 (Christian, Wash). (CRP: This s/off at different times?)

5970 0505 OBX4Q, R. El Sol; Lima; Sp; ID & world nx; good (Lobdell, Mass)

6045 0242 OCY4H, R. Santa Rosa; Lima; Sp; light mx & TCs & ID; (Kamp, Texas). 0300; Sp; nx; fair (Caldwell, Calif)

6082 0500 OAX4Z, R. Nacional; Lima; Sp; mx to s/off 0500; good (Caldwell, Calif). 0515; pol. speech (Redman, Ill)

6095 0230 OAX4H, R. Mil Ochenta; Lima; Sp; pop mx incld NA pops, ID at 0300 given as "Radio Nacional" (Caldwell, Calif) (CRP note: WRTVH lists as R. Oficial del Congreso del Peru. Help, anyone?)

6115 1111 OBZ40, R. Union; Lima; Sp; LA mx; fair (Fisher, Calif)

9521 0700 OAX4J, R. La Cronica; Lima; Sp; ID simply "La Cronica" (Wood, Hawaii). 0551; Sp; mx; poor (Lobdell, Mass). 1145; Sp; TCs & Andean mx; extreme QRM fr VOA & R. Barquisimeto; poor (Patterson, Ga.)

9562 0200 OAX4R, R. Nacional; Lima; Sp; "futbol"; fair - bad QRM (Caldwell, Calif)

9625 1020 OAX8K, R. Atlantida; Iquitos; Sp; nx & guitar mx; fair to poor - KOed by CBC at 1045 (Patterson, Ga) (CRP note: verified in a hurry w/letter & Peruvian stamps)

NICARAGUA (Sorry, amigos, out of order)
 5950 0015 YNRG, R. Zelaya; Bluefields; Sp; Spanish songs; usual poor modulation (Ferguson, Fla.)

VENEZUELA
 3215 0115 YVOE, Ondas Panamericanas; El Vigia; Sp; songs & anmts - mentions of Caracas; good (Ferguson, Fla)
 3294.5 0125 YVOG, R. Trujillo; Trujillo; Sp; man & woman talking; het (Ferguson, Fla)
 3325 0118 YVPM, R. Occidente; Tovar; Sp; y1 talking; heavy QRM (Ferguson, Fla)
 3384 0405 YVQI, R. Barcelona; Barcelona; Sp; dance mx & relay of R. Rumbos nx, ID for Cadena Nac. Rumbos, then local ID & s/off (Sparks, Calif)
 3394 0411 YVOK, R. Universidad; Merida; Sp; Ave Maria @ 0411, anmts, songs, ID 0417 (Ferguson, Fla)
 4800 0951 YVMO, R. Lara; Barquisimeto; Sp; s/on w/anthem, ID, into mx; poor w/QRM (Lobdell, Mass)
 4840 0135 YVOE, R. Valera; Valera; Sp; clear IDs & adds (Ferguson, Fla)
 5058 0300 YVKD, R. Cultura; Caracas; Sp; pop mx & ID (Sparks, Cal)
 6170 0400 YVKO, R. Nacional; Caracas; Sp; classical mx & nx & s/off at 0400 (Sparks, Calif)

SPECIAL

Dennis Young of Putnam, Ontario, Canada, a new reporter, reports that he logged Red China's new satellite on 20,009 kcs for approx. 3 minutes at 1845 on 25 April 1970. He says reception was loud & clear.

CREDITS & COMMENT

Thanks very much to the following reporters: Gerald Arrington, Selma, Calif; Ray Bacon, Baton Rouge, La; Dr. Bill Caldwell, Los Angeles, Calif; Tom Christian, Seattle, Wash; Dan Ferguson, Coral Gables, Fla; Bob Fisher, Los Angeles, Calif; Art Glover, Port Angeles, Wash; Steve Kamp, Irving, Texas; Chris Lobdell, Reading, Mass; Stewart MacKenzie, Huntington Beach, Calif; Chas. Pilkington, Seattle, Wash; Ron Redman, Decatur, Ill; Woody Seymour, Jr., Sanford, N.C.; Bill Sparks, San Francisco, Calif; Dave Williams, Astoria, Ore; Richard Wood, Honolulu, Hawaii; and Dennis Young, Putnam, Ontario, Canada....a total of 17. Still need about 10 more regulars. Come on, amigos.

Please, beginning with your report for the July issue, show make & model of your receiver(s). This data required only once unless you change receivers.

Also, beginning with the same report, please show date as well as time heard (in GMT). The dating of your loggings should continue as part of future reports. The purpose in dating loggings is to permit readers to determine chances of logging the station reported. This June column is being typed on 23 May but you won't see it till mid or late June. This fact alone illustrates the value of a dated logging. Some of you are already showing dates, but they are needed from everybody. Beginning with the July stencils, I plan to show date of each logging published. The date will appear before time.

Out of space!!

CRP

(SWR-the Americas....page 6)

EUROPE

CHRISTOPHER LOBDELL
149 WALNUT STREET
READING, MA 01867

AFRICA

JULY DEADLINE: June 20th

AUGUST DEADLINE: July 17th

ALBANIA

6200 0300 R. Tirana: English to s/off @ 0355 (Bacon-La, Caldwell-Ca)
7060 0000 R. Tirana: English nx (good)(Zilmer-Wis)

AUSTRIA

9610 0030 Austrian R: English until 0035 (good)(Goltz-Pa)
9610 0330 Austrian R: in language (poor)(Caldwell-Ca)
9770 0200 Austrian R: English ID into program (fair)(Seymour-NC)
15145 0030 Austrian R: English nx + commtry (good)(Zilmer-Wis)
17740 0358 Austrian R: IS, s/on at 0400 (Arrington-Ca)

BELGIUM

15335 0050 RTB, Brussels: English to NA //17715, 17795 (good)
(Arrington-Ca, Goltz-Pa + Zilmer-Wis)
17865 2035 RTB: French to Africa; new fqy (good)(Rowell-Wash)

BULGARIA

9700 0400 R. Sofia: English to WCNA (exc.)(Caldwell-Ca + Pilkington Washington)

BYELORUSSIA

11735 0050 R. Kiev, Vinnitsa(listed): English to s/off; Mon, Thurs, Sat. only (good)(Bacon-La)

CZECHOSLOVAKIA

9505 0700 R. Prague: English to Europe (fair)(Sullivan-Oregon)
11990 0100 R. Prague: English to NA //15365 (Ganscoe-Ill, Goltz-Pa, Zilmer-Wis)
11990 0300 R. Prague: English to WCNA (Caldwell-Ca, Pilkington-Wash, Sala-Ca)
17840 1615 R. Prague: English to Europe (poor)(Bacon-La)

DENMARK

15165 1800 R. Denmark: nx in Danish (exc)(Caldwell-Ca)

FINLAND

15185 1806 FBC: "Letters from listeners" in Eng. (Caldwell-Ca)

FRANCE

15120 0000 ORTF, Paris: French program (good)(Sala-Ca)
15120 0230 ORTF: Spanish talks + mx (exc)(Caldwell-Ca)
15190 2015 ORTF: English + French to Africa (good)(Zilmer-Wis)
15200 1800 ORTF: pop mx w/French anmts. (exc)(Caldwell-Ca)
15295 0515 ORTF: English nx (Rowell-Wash + Sullivan-Oregon)
15295 2055 ORTF: "Paris calling Africa" in English (Widner-Ind)

GERMANY-(East)

9650 0400 RBI: English to WCNA (exc)(Caldwell-Ca)
9730 0100 RBI: English to ECNA (exc)(Goltz-Pa)
9730 0245 RBI: English to NA (fair)(Seymour-NC)
11840 0330 RBI: English nx until 0415 (good)(Zilmer-Wis)
15240 1730 RBI: in language w/pop mx (good)(Caldwell-Ca)

GERMANY-(West)

9545 0533 DW, Kolon: German lessons w/English @ 0545 (fair)
(Pilkington-Wash)
9605 0300 DW: IS, then ID in German (good)(Arrington-Ca)
9735 0130 DW: English to NA (Bacon-La) //6040, 6075 (Seymour-NC)
15275 2100 DW: English nx to Asia (fair)(Zilmer-Wis.)

EUROPE

GREAT BRITIAN

6180 0415 BBC: "The Morning Show" in English (good)(Seymour-NC)
7105 0645 BBC: in French w/ID "Ici London" (fair)(MacKenzie-Ca)

GREECE

15345 1946 NHBI, Athens: English nx till 1949 (poor)(Lobdell-Mass)

HOLLAND

9570 0432 R. Nederland, Bonaire: English program (good)(Pilkington)
11730 0230 R. Nederland, Bonaire: English to NA (Arrington-ca, Bacon-La)
15425 2130 R. Nederland, Lopik: English program (exc.)(Goltz-Pa)

HUNGARY

11910 0100 R. Budapest: DX program in Eng. (good)(Caldwell-Ca)
15160 0300 R. Budapest: English nx (good)(Zilmer-Wis)

INTERNATIONAL WATERS

6210 0638 R. Nordsee: German pops; English 0700 (Kamp-Texas)

ITALY

11810 0100 RAI, Rome: English to NA //15410 (Caldwell Ca, Seymour-NC, Zilmer-Wis)
17740 2200 RAI: English program (fair)(MacKenzie-Ca)

NORWAY

11735 0420 R. Norway: English on Sunday (fair)(Rowell-Wash)
11850 0200 R. Norway: English on Sunday (poor)(Bacon-La)
15175 0115 R. Norway: English to NA on Sunday (good)(Zilmer-Wis)
15175 1800 R. Norway: program in Norwegian (good)(Caldwell-Ca)
21730 1455 R. Norway: program in Noregian (poor)(Sala-Ca)
25900 1600 R. Norway: English on Sunday (fair)(Goltz-Pa)

POLAND

6135 1859 R. Warsaw: piano IS w/Polish s/on @ 1900 (Hauser-Thailand)
11870 0315 R. Warsaw: English on Friday nite (Arrington-Ca, Seymour-NC)
15275 0200 R. Warsaw: English ID into Polish //11815, 9635, 6035 (Zilmer-Wis) //11800, 11815, 9540, 9550, 7125 (Ferguson)
15275 0259 R. Warsaw: in Polish w/English ID @ 0301 (good)(Sala-Ca) also by (Rowell-Wash)
15295 0350 R. Warsaw: English ID @ s/off //11815, 9635, 6035 (Sullivan-Wash) Are you sure of this fqy? crl

PORTUGAL

6025 0200 R. Portugal(VOW): English program (good)(Bacon-La)
15115 1935 R. Portugal: Bulgarian program (good)(Hauser-Thailand) whoops! make that Radio Free Europe, sorry crl.
15125 0410 R. Portugal: taking on SWL in English (exc)(Arrington-Ca)
15145 1936 RFE, Portugal: Polish program (good)(Hauser-Thailand)
15170 1937 RFE: Hungarian program 12 May (Hauser-Thailand)
21700 1715 RFEPortugal: Portuguese to Africa //17880 (Rowell-Wash)

RUMANIA

11885 0130 R. Bucharest: English to NA (fair)(Bacon-La) //11940 (Goltz-Pa)
11940 0430 R. Bucharest: English to WCNA (v. good)(Caldwell-Ca)
15250 0130 R. Bucharest: English to NA //15285 (good)(Zilmer-Wis)
15250 0218 R. Bucharest: English talks + pop mx (good)(Arrington-Ca) (Rowell-Wash)

RSFSR- (European)

12230 0500 Unknown: Russian program w/nx @ 0500; relay? (fair) (MacKenzie-Ca) WRTH lists Magadan for 12240 crl.
15350 1430 R. Peace + Progress: English nx (good)(Sullivan-Oregon)

SPAIN

9760 0105 RNE: English program (fair)(Zilmer-Wis)
9760 0300 RNE: English program (Caldwell-Ca + Arrington-Ca)

EUROPESWEDEN

9725 0444 R. Sweden: talks in English about German Shepard dogs.
(fair)(Pilkington-Wash)
11705 0330 R. Sweden: English to NA (exc)(Arrington-Ca)
11825 0030 R. Sweden: English nx + DX program (good)(Zilmer-Wis)
11825 0200 R. Sweden: pop mx w/English anmts. (good)(Seymour-N.C.)
17840 0515 R. Sweden: English to SE Asia until 0515 (Rowell-Wash)

SWITZERLAND

11715 0130 SBC, Berne: English to ECNA (good) //9535, 11865, 15305
(Seymour-NC, Rowell-Wash + Zilmer-Wis)
17830 1515 SBC: English talk on SWLing (good)(Arrington-Ca)

UKRAINIAN-SSR

11730 0430 R. Kiev: English to NA (good)(Seymour-NC)
11890 0430 R. Kiev: English program (fair)(MacKenzie-Ca)
11960 0335 R. Kiev: English features (good)(Ganscoe-Ill)
11960 0430 R. Kiev: English to NA (good)(Caldwell-Ca)
11990 0430 R. Kiev: English commtry + mx (exc.)(Sala-Ca)

YUGOSLAVIA

9620 1530 R. Beograd: s/on w/nx in English (exc)(Sullivan-Oreg)
9620 2200 R. Beograd: English program (fair)(Goltz-Pa)
9620 2203 R. Beograd: English nx (fair)(Widner-Ind)

AFRICAANGOLA

5960 0531 A Voz de Angola, Luanda: time pips, ID in Portuguese;
into pop mx (good)(Lobdell-Mass)

ASCENSION IS

9510 0315 BBC: English program (good)(Bacon-La)
11820 0200 BBC: Spanish language program (exc)(Caldwell-Ca)
15235 0400 BBC: s/on in English (fair)(Widner-Ind)

CANARY ISLANDS

11800 0410 RNE: Spanish mx (exc)(Arrington-Ca)
15365 0025 RNE: Spanish to LA (good)(Bacon-La)
15365 0219 RNE: Spanish drama + opera (exc)(Sala-Ca)
15365 0700 RNE: Spanish talks + mx (good)(Caldwell-Ca)

CONGO-(Dem Rep)

15245 1830 RTNC: Afro mx w/anmts. In French + vernaculars (exc)
(Caldwell-Ca)
15245 0220 RTNC: native tunes w/anmts. in French (Rowell-Wash)
15245 0358 RTNC: guitar IS; French s/on (good)(Widner-Ind) Afro mx
(Arrington-Ca)

CONGO-(Rep)

15190 1900 R. Brazzaville(ORTF): French program (good)(Caldwell-Ca)

GHANA

3350 0627 GBC, Ejura: Afro mx (fair)(Ferguson-Florida)
4915 0550 GBC: man talking in vernaculars (Ferguson-Fla)
11850 2000 R. Ghana: English to NA until 2100 (Caldwell-Ca + Goltz
Pa)
21545 1445 R. Ghana: English w/s/off @ 1530 (exc)(Arrington-Ca)

GUINEA

4900 0640 RN, Conakry: French talk by man (Ferguson-Fla)

IVORY COAST

4940 0645 RTI, Abidjan: Afro mx w/anmts. in vernacular (Ferguson-Fla)
11920 0600 RTI: Afro mx w/French talks (Caldwell-Ca + Wood-Hi)
11920 2240 RTI: French until 0000 s/off (Rowell-Wash)

AFRICA

LIBERIA

3225 0612 ELBC: Afro music (Ferguson-Fla)
 3227 0611 ENWA: ID in English, then IS (Ferguson-Fla)
 4770 0630 ELWA: English program (fair)(Ferguson-Fla)
 11950 0645 ELWA: religious talks in English (Caldwell-Ca + Wood-Hi)
 15095 2150 ELWA: in English w/ID @ 2230 (good)(Sala-Ca)
 15445 2100 VOA, Monrovia: English nx + mx (fair)(Zilmer-Wis)

MALI

4835 0639 R. Mali, Bamako: noted w/Afro drums + flutes (good)
 (Ferguson-Fla)
 11715 0630 R. Mali: testing, w/new high power xmtr; Afro mx w/anmts.
 in English, Spanish + French (Wood-Hi)

MOROCCO

9615 0640 RTM, Tangier: a group of Moslems praying in Arabic
 (Rowell-Wash)
 11790 0345 VOA, Tangier: ID in English; Bulgarian program (Widner-
 Indiana)

NIGERIA

3986 1805 NBC, Lagos: English nx w/ID @ 1809 (fair)(Hauser-Thailand)
 4932 0545 NBC, Benin: African tunes (Ferguson-Florida)
 15365 0600 Voice of Nigeria, Lagos: English talks w/Afro mx (exc)
 (Arrington-Ca)

SENEGAL

4890 0614 RS, Dakar: Arabic chanting (fair)(Lobdell-Mass)
 4890 0640 RS: Arabic(?) by man; strong (Ferguson-Fla) That's what it
 sounded like to me Dan, crl
 7210 0625 RS: French ID into mx w/nx @ 0700 (fair 23 Apr)
 (Pilkington-Wash)

SEYCHELLES

15265 1458 FEBA, Victoria: in English w/"Cowboy Joe" program (what's
 that Glenn? crl) + ID @ 1500; "evidently higher power"
 (Hauser-Thailand)

SIERRA LEONE

3316 0612 RSL, Freetown: English talks + mx (Ferguson-Fla)

SOUTH AFRICA

3250 0130 SABC:pops, English anmts, also lang; heavy QRM; no ID
 but format fits (Ferguson-Fla)
 5980 0030 RSA: English to ECNA; this fqy replaces 11875 kHz (good)
 (Zilmer-Wis)
 7150 0430 SABC: "Springbok radio" w/commtry + ADs in English (good)
 (Sullivan-Oregon)
 7215 0430 SABC: English program (good)(Bacon-La)
 9695 0350 RSA: in English to WCNA (good)(Pilkington-Wash)
 9705 0030 RSA: English nx + features (fair)(Ganscoe-Ill)
 11810 0645 SABC: Afrikaans service to Southwest Africa w/talks
 @ 0645 (Wood-Hi)
 11875 0130 RSA: English to NA (good)(Seymour-NC) This fqy now dropp-
 ed; see 5980
 15220 0400 RSA: in Zulu + Swahili to 0415 (Rowell-Wash)
 17805 0500 RSA: variety program (exc)(Arrington-Ca) In English I
 presume, crl

 THOSE WHO CARED TO REPORT

Gerald Arrington
 Ray J. Bacon

Selma, California
 Baton Rouge, Louisiana

SW-4
 R-530

Bill Caldwell, MD	Los Angeles, California	SW-4A
Dan Ferguson	Coral Gables, Florida	SB-310
Chuck Ganscoe	Chicago, Illinois	S-120
Gary Goltz	Pittsburgh, Pennsylvania	DX-120
Glenn Hauser	Korat, Thailand	HQ-160
Steve Kamp	Irving, Texas	?
Chris Lobdell	Reading, Massachusetts	SW-4A
Stewart MacKenzie	Huntington Beach, Cal	SX-28
Charles Pilkington	Seattle, Washington	?
Sam Rowell	Gig Harbor, Washington	DX-150
Mario Sala	Englewood, California	TR-5000
Woody Seymour	Sanford, North Carolina	?
Jim Sullivan	Portland, Oregon	?
Jack Widner	Indianapolis, Indiana	Star Romer
Richard Wood	Honolulu, Hawaii	SS-IBS, SP-600

Support was not as great as it was last month but we did have 17 contributors (including your editor). The summer months are here and many of us will be on vacation, working on summer jobs, or just loafing (like me, hi). This means less reports and a smaller column. A general drop-off of conditions with lots of static, etc. also will mean less rare DX.

I hope you like the format used in this section. Your comments, and questions are always appreciated. Please remember that when reporting please list your make + model of receiver.

I would like to thank a friend of mine, Reg Didham, for his expert help in preparing this section of the Short Wave Review. His help made the job of editing much easier at times.

See you next month. In the meantime, lots of fun and DXing!!

MARRIAGE OF THE YEAR

Allied Radio and Radio Shack have merged into one giant store chain. Now you can see, hear and buy the famous and exclusive products of the two leaders in electronics under one roof! The latest electronic gear will now be as close as your finger tips. Many members have Knight gear in their shacks, now your service center is at the local Radio Shack store. The Radio Shack stores will service all Allied gear and carry most of the Allied stock plus you will be able to order any item in the Allied catalog thru the Radio Shack store. All Radio Shack stores will carry the Allied catalog and have them available to the public. (via Art Glover)

NNRC PICNIC-CONVENTION

Last call for Patapsco State Park (a few miles west of Baltimore on US 40) on JUNE 20th !!!! Arrangements are being made for an equipment display and/or slides of DXpeditions of the Month. Make it a point to be there and meet your fellow swlers and be sure to tell them that you are from ASWLC !!!!!!!

Do not forget "DAD" on the 21st Fly the flag on the 14th

NAT REGIONAL VOLMET BROADCAST PLAN

FREQUENCIES-3001, 5559, 8828.5, 13264.5 kc

<u>40-45</u>	<u>45-50</u>	<u>50-55</u>	<u>55-60</u>
SHANNON Paris/Orly Paris/Le Bourget Roma/Fiumicino Madrid/Barajas Lisboa Santa Maria	NEW YORK New York/JFK Boston/Logan Baltimore/Friendship Philadelphia/Intl Washington/Dulles Int	GANDER Gander Goose Montreal Stephenville Halifax Toronto	GANDER Sydney Sondre Stromfjord Frobisher Ottawa Chicago Detroit

PAC REGIONAL VOLMET BROADCAST PLAN

FREQUENCIES 2980, 5574, and 8905 kc

<u>05-10</u> <u>35-40</u>	<u>10-15</u> <u>40-45</u>	<u>15-20</u> <u>45-50</u>	<u>20-25</u> <u>55-60</u>
San Francisco Radio Los Angeles Seattle Portland Ontario Stockton San Francisco Seattle San Francisco	TOKYO INTL AIRPORT Misawa Tokyo Nagoya Fukuoka Okinawa/Naha Chitose Osaka	HONG KONG Waglan Cheung Chau Manila Hong Kong Taipei Tainan DELETE: 2980 ADD: 338 kc	ANCHORAGE RADIO Fairbanks Cold Bay King Salmon Shemya Vancouver Anchorage Fairbanks Vancouver

SEA REGIONAL VOLMET BROADCAST PLAN

FREQUENCIES 2924, 6529.5, and 10048 kc

<u>00-05</u> <u>30-35</u>	<u>10-15</u> <u>40-45</u>	<u>15-20</u> <u>45-50</u>	<u>20-25</u> <u>50-55</u>
CALCUTTA Gaya Delhi	BANGKOK Rangoon Saigon	KARACHI Nawabshah Jiwani	SINGAPORE Kuala Lumpur Djakarta

CALCUTTA ONLY - Broadcasts on 2924 kc 1300-0300 GMT; on 10048 kc 0300-1300 GMT and on 6529.5 kc-H24. Aero for Delhi omitted.

NOTE: San Francisco Overseas Radio is now announcing as OAKLAND RADIO.

ABBREVIATIONS

ABn	Aerodrome Beacon	ant	Antenna
AF	Air Force	aprx	Approximate
AFB	Air Force Base	ARINC	Aeronautical Radio Inc
AFI	African-Indian Ocean Regional Area	bcn	Beacon
ANG	Air National Guard	CAR	Caribbean Regional Area
CGAS	Coast Guard Air Station	CW	Continuous Wave/Carrier Wave
Eu	Europe	EUM	Europe & Mediterranean Region
FAA	Federal Aviation Agency	GCT	Greenwich Civil Time
GMT	Greenwich Mean Time	H=+	Hours Plus
H24	Continuous operation	HX	Hours intermittent

REGIONAL VOLMET BROADCASTS

SAM/SAT REGION

ASUNCION	AsuncionRadio	H +05 8905	A3	Times are in G.M.T.
BUENOS AIRES	Ezeiza Aeradio	H+25 5544		

AFI REGION

BRAZZAVILLE	Brazzaville VOLMET	H+15 5524	A3	All in FRENCH
		H+45 8862.5	A3	
		H+45 11328	A3	
DAKAR	Dakar VOLMET	H+15 5596.5	A3	Dual: 11385 kc/s
		H+45 8896.5	A3	

EUM REGION

PARIS	Paris Radio	H+25 2917	A3	
		H+55 5544 & 10066	A3	
PRESTON ATCC	Preston Radio	H+05 126.600	A3	H+15 & 25 & 35 & 45
SHANNON	Shannon Radio	H24 12700	A3	

MID REGION

CAIRO	SUO	H+20 3001	A3
		H+25 5559	A3
		H+50 8828.5	A3
		H+55	

NAT REGION

GANDER	Gander	H+22 A3	236 kc
		H+52 A3	236 kc

NAT REGIONAL VOLMET BROADCAST PLAN

FREQUENCIES-3001, 5559, 8828.5, 13264.5 kc

<u>00-05</u>	<u>05-10</u>	<u>10-15</u>	<u>15-20</u>	
SHANNON Amsterdam Brussels/National Frankfurt/Main Köln/Köln-Bonn Zurich	SHANNON Dublin Prestwick London/Heathrow London/Gatwick Copenhagen/Kastrup	SHANNON Paris/Orly Roma/Fiumicino Madrid/Barajas Lisboa Santa Maria	NEW YORK New York/JFK Newark Boston/Logan Baltimore/Friendship Philadelphia/International Washington/Dulles Internat1	A11 A3
<u>20-25</u>	<u>25-30</u>	<u>30-35</u>	<u>35-40</u>	
Gander Goose Montreal Stephenville Halifax Toronto Halifax	GANDER Sydney Sondre Stromfjord Frobisher Ottawa	SHANNON Amsterdam Brussels/National Frankfurt Main Köln/Köln-Bonn Zurich Geneve	SHANNON Dublin Prestwick London/Heathrow London/Gatwick Copenhagen/Kastrup	

Editor: Paul Mayo, 2409 Ocean Parkway, Brooklyn, New York 11235

Deadlines: For July "SWL": June 24. For August "SWL": July 21.

From The Log

North & Central America

BARBADOS:

10604 0230 C&W ltd, Bridgetown SSB Eng TT (Christian)

CANADA:

8828.5 0420 Gander Aeradio (VFG) AM Wx BC (MacKenzie)

14670 0421 CHU, AM time stat w/Fr & Eng (MacKenzie)

18163 2245 COTC, Vancouver SSB Eng TT (Christian)

GREENLAND:

6715 1009 Thule with Sky King SSB Eng (Christian)

MEXICO:

17634 2335 Azteca City TT for 9th World Championship Football Games SSB Sp/Eng (Christian)

PUERTO RICO:

18500 0054 NAU3, Naval Stn, Ft Allen AM eng TT(Fair)(Kamp)

U.S.A.:

2182 0359 Pt-au-Paris Light, Cg, Stn, LA. w/WG6602 (Kamp)

2686 0205 N.Orleans CG Light Vessel w/CG N.Orleans (Kamp)

2182 0436 NMB, CG-Charleston calling WZ5593 gd signal (Kamp)

2182 ---- NMQ, CG-Long Beach calling cutter Glacier (Kamp)

8828.5 0420 WSY, N.Y. FAA with Wx BC (Weather Broadcast) (MacKenzie)

8795 0410 WOM, Florida Operator w/tfc list (MacKenzie)

10597.5 1030 ATT, Oakland SSB Eng TT (Hauser, Thailand)

13140 0330 WOM, Miami High Sea Op SSB Eng (Christian)

13264.5 0045 WSY, NY FAA, with WX BC Fair (MacKenzie)

14397 2300 AIR, USAF Wash, D.C. w/Armed Forces Day QSO's (MacKenzie)

15626 0308 AFA, US Aero Comm, Maryland SSB Eng (Christian)

15984 2255 RCA, Comm, Rocky Pt, NY SSB Eng TT (Christian)

 South America

ARGENTINA:

25125a 2340 Trans-Radio, Buenos Aires SSB Sp/Eng TT (Christian)

BRAZIL:

19160 2227 "Gov't Stn ELIMATEL"???" SSB Pt/Eng TT (Kamp)

19882 0030 NATEL QTH? " " " " (Christian)

20840 0024 " " " " (Christian)

GUYANA:

10528 0425 8RB47, C&W Ltd, Georgetown SSB Eng TT (Christian)

10528 2337 " " " " (Hauser)

TRINIDAD:

8837 2243 Piarco Aeradio AM w/Miami (Mayo)

VENEZUELA:

14385 0350 YVQ9, Ven Tel Co. Caracas SSB Sp/Eng TT (Christian)

14385 2350-0425 " " " " " " (MacKenzie)

14600a ? Ven Tel CO Caracas AM Sp/Eng TT (Kamp)

 Europe

ENGLAND:

13170 0555 Br. PO, London SSB Eng TT (Christian)

22925 1012 "Yingwo Kwang PO Tien Tai"(BBC Mandarin) on AM with Id and Drama, Feed to BBC Far East Svc (Hauser)

FRANCE:

13135 0550 St Lys Radio SSB Fr TT (Christian)

16415 0301 FTS, Paris SSB Fr/Eng TT (Christian)

"SWL"

COUNTRY CHASER'S CORNER

JUNE 70

FRANCE: (Cont)

18805 1645 FTS, Paris SSB Fr/Eng TT (Christian)

GERMANY, WEST:

7495 0830 Deutsche Bundespost, Hamburg SSB Eng/Ger TT (Christian)

ITALY:

13145 2350 Maritime RT, Rome AM It/Eng TT (Christian)

13158a 0055 Maritime RT, Rome SSB It/Eng TT (MacKenzie)

NETHERLANDS:

14510.5 2110 R. Nederland PTP Amsterdamfeed to BonaireSSB w/fair sig
QSLed in 8 days via letter (Stowell)

U.S.S.R., EUROPEAN:

18635 1640 Moscow RT SSB Eng TT(YL) (Christian)

Africa

GABON:

15734 1935 FCR, Libreville SSB Fr TT (Christian)

IVORY COAST:

18436 2330 FCR, Abidjan SSB Fr TT (Christian)

SENEGAL:

8896.5 0420 Dakar VOLMET, Dakar AM WX BC (MacKenzie)

SOUTH AFRICA:

13730 0530 ZUD87, ZUD, Olifontfontein SSB Eng/Afr TT (MacKenzie)

13730 0645 " " " " " " (Christian)

Asia

CHINA:

5000 2030 Time Signal Stn BPV, Peking in CW (Hauser)

15790 0045 Chin. Gov't Radio Adm, Peking SSB Eng TT(YL)Christian

20228 0325 Shanghai Int Comm Stn, w/East is Red SSB Chi/eng/fr TT

INDIA:

22740 0648 Poona OCS calling Aden w/ call from Bombay (Hauser)

HONG KONG: (Sorry out of order!!)

24410 1355 C&W ltd SSB Eng TT & then Calling Poona (Hauser)

INDONESIA: (JAVA)

24362 0823 ORTS, Bandung (PMG2), w/ broken-up mkr (Hauser)

JAPAN:

4860 1450 KDD, Tokyo SSB Eng/Jap TT (Christian)

12405 0623 JBO, Tokyo Radio calling in Eng And Japanese (MacKenzie)

13630 1038 JBL43, KDD, Tokyo SSB Eng /Jap TT (Hauser)

MALAYSIA: (SABAH)

10444 1035 Malaysian Telecom Dept, Kota Kinabalu (9WD302) with
mkr which stated"..not a broadcast.." (Hauser)

PAKISTAN, WEST:

20936 0736 T&T Dept, Karachi (ASA4) AM Eng TT (Hauser)

PHILIPPINES:

11615 0958 USAF AIC, Clark AFB on USB with feed of AFRTS for Vietnam
& Thailand, mkr on LSB. (Hauser)

SOUTH KOREA:

19900 2235 HIA94, Korean Inter Telecom Office AM Eng TT (MacKenzie)

SOUTH VIETNAM:

13554 1045 XVV84, Saigon PTTw/ press rpts on USB to Oakland &
phone calls on LSB (Hauser)

TAIWAN:

11650 1008 US Army, R Stn ADH, Taipei LSB Eng TT (Hauser)

Oceania

AUSTRALIA:

8905 0901 VSZY???? AM Wx BC for Aust Cites till 0904 any info??
(Kamp)

NEW CALEDONIA:

19653 1528 AFPT SSB with Fr/Eng TT (Hauser)

NEW ZEALAND:

20800a 0440 New Zealand P.O., Wellington Eng TT w/Melody mirror (MacKenzie)

REUNION ISLAND:

23599 0350 PTT SSB w/ French TT (Hauser)

SPACE:

20009 2259 China's Satellite w/ East is Red poor (Mayo)
20009 0100 " " " " " " (Christian)
20009, 0045 " " " " " " good (Mayo)

QSLs

ALASKA: 8905kHz 0826GMT: Anchorage Volmet Bcast sent personal letter w/ full info in 6 days V/S Thomas & Cianfrani, Facility Chief (Bradley)

GREECE: Nea Makri. Airmail letter veri in 7 weeks from US Naval Comm Stn "NGR" for CW "V" mkr on 4285kHz 0143-0158GMT. Letter had full info V/S J.L. Wise RMCN, USN. (Coombe)

GREENLAND:XPJ, Soendrestroem Aeradio returned PFC in 20 days via air Mint stamps and SAE sent.

Addr: Chief Telecom Officer, Soendrestroem Aeradio
Statens Luftfartsvaes, Flyveradiotjenesten
Søndre Strømfjord, GREENLAND

JAPAN: Tokyo VOLMET sent QSL in 18 days SAE & 3 IRCS sent (Kamp)

MALTA: 9EA Malta Aeradio returned PFC in 1 month via air SAE & 3 IRCS sent. Addr: Senior Telecomm Officer, Mr G.K. Stavert

International Ltd, Luqua Airport, MALTA

NICARAGUA: 4807.5 kHz YNA2 retured signed prepared card(in Spanish) for CW Bcast in 13 days. Mint stamps sent. (Bradley)

Addr: Ministerio de Defensa
Managua, Nicaragua

Attenion:Tacho Sanchez Diaz, Director Artistic

NIGERIA:Kano Aeradio returned PFC in 15 days via air, SAE & mint stamps sent. Addr: Signals Officer,Kano Aeradio

International Airport, Kano, NIGERIA(Kamp)

PUERTO RICO: NAU3 US Naval Rad Stn, Ft Allen sent their QSL in 10 days via air, SASE sent. RMC also sent his own Ham QSL (Kamp)

Addr: Radio-Man-in-Charge, US Naval Stn NAU3
Ft Allen, Ponce , PUERTO RICO 00731

Thanks this month to:

- J.M. Bradley, Daytona Beach, Florida
- Tom Christian, Seattle, Washington
- Charles Coombe, Hamilton Square, New Jersey
- Glenn Hauser, Thailand
- Steve Kamp, Irving, Texas
- Stewart MacKenzie, Huntington Beach, California
- Leo Stowell, East Chicago, Indiana

Help Wanted

Any member that ownsa Galaxy R-530, Please contact Tom Christian and describe their antenna set up & performance. Thank you.

Addr:2212 N 106th, Seattle, Wash 98133

To all reporters: Please include your make & model of your Rx and your Utility totals(Heard & Verified Countries & Continents) in all future reports.

till next month 73's Paul

Jack White
780 NW Wallula
Gresham, Oregon
97030

PROPAGATION

The summer solstice occurs during this period and a number of listeners normally favoring the lower extremities of the dial may find themselves shifting attention elsewhere in an effort to avoid increased seasonal noise levels in those bands. (Note: At this particular location the 60 meter band has been producing reception somewhat better than is usually experienced during the spring, as for the most part, local atmospheric conditions have been favorable....However as the warmer and drier summer months approach, electrostatics may be expected to increase sufficiently and reduce low-end reception more extensively.) Since the lower portions of the spectrum are usually the bailiwick of the flat-out DXer in search of mini-powered stations located at some exotic and often difficult-to-pronounce site, many find the "Utilities" (aircraft, marine, radiotelephone etc) a suitable alternate worthy of the challenge.

Those who regularly tune the "utes" find that the reception patterns sometimes do not coincide to closely with those of the regular shortwave broadcast bands. This is not because different propagation conditions exist for this type of transmission, but rather that "ute" schedules are based upon performing a specific service as efficiently as possible without regard to the hour; while broadcast outlets shoot at a convenient time for their intended audience as well as consider the receiver capabilities of their listeners. This latter factor is quite important to many broadcasters as (with the exception of late-model "state of the art" equipment) most of their audience's receivers might not function too well on frequencies above 18 megaHertz (as is the case with many older tube-type sets designed for home use). Therefore, a broadcaster often uses a channel in a range considerably lower than the most efficient higher frequency, and relies upon increased power to overcome the greater ionospheric absorption factors. For example, in the 'Worldwide Prediction Chart' the 0600 to 0900 period shows the 31 meter band (9500 to 9775 kHz) as being the highest for Latin American reception. This is because at these hours there are few, if any, broadcast stations in this part of the world operating on the higher bands. Actually, from strictly a propagation standpoint, frequencies in the 15000 to 20000 kHz range would offer much more efficient channels. This then would be the span for the utility DXer to locate radiotelephone test tapes, long distance marine or aircraft traffic, etc, etc.

UTILITY DX GUIDE for SUMMER 1970

Transmitter Location	EAST		WEST	
	GMT	FREQ	GMT	FREQ
Central/South America	0000-0300	21-26	0000-0200	19-24
	0300-0700	16-24	0200-0600	12-20
	1000-1400	15-22	0600-1100	8-16
	1700-2400	21-26	1400-2400	19-24
Europe North Africa Mid East	0300-0700	10-16	0000-0100	12-17
	1100-2300	15-20	0500-0700	9-15
			1300-2400	12-17
Central Asia Far East	0000-0100	14-20	0000-0500	14-20
	1900-2400	14-20	1700-2400	14-20
Central/South Africa	0000-0300	15-24	0000-0300	14-20
			0300-0400	12-16
Australia Pacific	0000-0100	22-30	0200-0900	20-28
	1000-1300	11-16	1300-1500	10-16
	1900-2100	18-24	1900-2100	18-24
	2300-2400	22-30		

PROPAGATION-2

The foregoing chart reflects the frequencies (in megaHertz) and times when better than average overall propagation conditions should exist during the coming summer months. Some of the spans shown, particularly for southbound circuits, are exceptional in quality and could easily provide some excellent "ute" DX. The frequency ranges shown do not constitute a list of all the open bands by any means, but instead indicate some top-notch holes through which to pull in perhaps something a bit different. For those who might not be too familiar with this end of the hobby, Paul Mayo's 'Country Chaser Corner' column provides some clues as to what, who, and where.....Let's see a logging or three from YOU in there this summer (remember, somebody had to pass the information along this issue).

LONG-HAUL DX AT CLOSING TIME

Summer brings the highest nighttime critical frequencies experienced during the year and this situation offers the possibility of stretching the maximum east-west distance out of the 19 and 25 meter bands during the evening hours. In this particular case, the paths are toward the daylight zone (Pacific, East Asia) and therefore the exact closing time will be determined by the falling Maximum Usable Frequency (MUF) on the North American end of the path. This summer the 19 meter band (15100 to 15450 kHz) is expected to hold up across a span of 12 to 13 time zones for circuits between two points in the northern hemisphere, so it can be seen that some mighty fine distance potential exists just prior to the fade-out hour; and since at least a portion (on this end) of the path is in darkness, less signal absorption is encountered. Sometimes even the sharpest of DXers are not aware as to how late the 19 meter band remains open as their attention has been drawn further down the dial with the coming of darkness, but those wishing to get a crack at reception from the "far side" might consider the following course of action (it's called "hanging on the edge"):

The first thing to do is determine as nearly as possible the time that the 19 meter band (or 16, or 25 depending upon individual interests) actually ceases to function into the listener's location. This hour varies somewhat with latitude. Select a station in the 19 meter band offering a good strong signal that may be expected to be heard at least until local midnight (from their schedule) and that is located in East Asia. For most of North America, Radio Japan-NHK will do nicely for this purpose as the great-circle path approximates those from more distant Asian stations. Remain tuned to this station until gradual deep fading of the signal is noted (in all probability the signal strength will be increasing prior to the fading). At this point, the MUF on this end of the path is starting to fall below that required to sustain the signal and "band-closing" is near at hand. By noting the time that this sample signal becomes unreadable, the listener has determined just how late he can work the band in question...precise times will vary a bit from day to day, but such an observation made in late June should provide a reliable index for the balance of the summer. Armed with this bit of research data the next step is to conduct a search through the available sources of scheduling information to determine if a desired transmission is being aired from the Central or East Asian region during the 1 hour period immediately before closing time.....If so, there's a fair chance it can be logged. Don't expect a real horn-buster as daylight conditions in the land of Kipling may dampen quite a lot of signal strength, and the deep fading could produce a rough-copy situation, but who wants it all on a silver platter anyway??

OFF THE SHIRTSLEEVE

This editor recently caught part of a news item on a local station which may be of interest: It seems a coastal community in California experienced a "black-out" of TV reception nearly every evening about sundown although during the day everything was fine. After much complaining and searching it was found that the fog that rolled in nightly combined with some air pollutants and along with the corrosion from the sea air on the antennas, the whole thing added up to a very efficient "short-to-ground" for exterior antennas.....Shined up your wire lately?

"SWL"

WORLDWIDE PREDICTION CHART

JUNE 1970

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE MID EAST N AFRICA	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	SOUTH PACIFIC
0000 to 0300	E	25F 49F 19M	25G 31F	16G 19G 25M	19G 25F 31F	16F
	W	19G 25F 31F 49F	25G 31G	16G 19G	19G 25F 31F 49M	19F
0300 to 0600	E	31F 49F 60F	25G 31G 41F 49F	25F 31M	25F 31F 49F 60M	16F 19F 25M
	W	25F 31F 49F 60F	25G 31G 41F 49F	16F 19F 25M	25G 31F 49F 60M	19F 25F
0600 to 0900	E	31F 49F 60F	31F 41F 49F	25F 31F	25F 49F 60F	25G 31G 49F
	W	31F 49F 60F	31G 41F 49F	19G 25F 31M	31F 49M	31F 49F 60M
0900 to 1200	E	25G 31F 49F	19G 25G 31M	25F 31F 49M	16F 19F 31M	25G 31G 49F
	W	31G 49F 60F	31F 41F 25M	19F 25F 31F 49F	NIL	25G 31G 49F 60F
1200 to 1500	E	31M	16G 19G	25F 19M	19F 25M	31M
	W	19G 25F 31M	25G 31M	25F 31F 49F	25F 31M	25G 31G 49F
1500 to 1800	E	19F	16G 19G	19F 25F	19F	NIL
	W	19F	19F 25F	19G 25F	25F	25F
1800 to 2100	E	19F	16G 19G	19G	19F	16F 19F
	W	19F	19G	19G 16F	16G 19G	19F
2100 to 2400	E	19F 25F 31F 49M	16G 19G 25F	19G	19F 25M	16G 19G
	W	19F 25F 31M	19G 25F	19G 16F	19G	19F

LEGEND: RCVR ZONE indicates listener's region-E is for EST & CST time zones, and W represents MST & PST zones. Reading down to the appropriate GMT and RCVR ZONE and across to the column for the area where reception is desired will indicate the shortwave broadcast bands most likely to offer good reception. The overall quality is noted by G, F, or M....Good, Fair, or Marginal respectively.

16 Meter band	17700 to 17900 kHz	41 Meter band	7100 to 7300 kHz
19 Meter band	15100 to 15450	49 Meter band	5950 to 6200
25 Meter band	11700 to 11975	60 Meter band	4750 to 5050
31 Meter band	9500 to 9775		

Assoc. Editor: Bill Ray, #52 Matilda Ave., Mill Valley, Calif. 94941

Here again is the Geographical Shortwave Reviews rearranged into chronological order for your convenience. Time listings are with a half hour of those reported. Capital letters are new PO state abbreviations indicating origin of reports. Refer to Geographical listings for program material, signal strength and exact time details. Time is in GMT with space provided to write in your own local time, thus you also have a 24 hour time conversion chart. Plans are underway, if space allows, for a similar arrangement by frequency for future issues of SWL. My thanks to Messrs. Patterson, Lobdell and Fisher for their fine co-operation. For those unfamiliar with the new PO state abbreviations here are those used:

CA-California	IN-Indiana	OR-Oregon
FL-Florida	LA*Louisiana	PAAPennsylvania
GA-Georgia	MA*Massachusetts	TX-Texas
HI*Hawaii	NC-North Carolina	WA-Washington
IL-Illinois	OH-Ohio	WI-Wisconsin

Use blank spaces to write in changes and additions.

<u>0000</u>	<u>0100 (cont'd)</u>	<u>0200</u>
Nicarague 5950 FL	Brazil 15155 CA	Guatamala 3360 TX WA
Albania 7060 WI	Norway 15175 WI	OR
France 14120 CA	Belgium 15335 CA PA WI	Dominican Rep. 4825
Haiti 15275 WA	17715, 17795	MA FL
		Brazil 5965 FL
		Brazil 6000 LA
<u>0030</u>	<u>0130</u>	Portugal 6025 CA
So. Africa 5980 WI	So. Africa 3250 FL	Canada 6160 CA
Mexico 6115 CA	Guyana 3265 FL	Poland 7125 FL
Austria 9610 PA	Greneda 3280 FL	Poland 9450 9550 FL
So. Africa 9705 IL	Brazil 3375 FL TX	Austria 9770 NC
Sweden 11825 WI	Venezuela 3294½ FL	Peru 9562 CA
Austria 15145 WI	Dominican Rep. 3355 FL	Poland 11800 FL
Canary Is. 15365 LA	Ecuador 4679 IL	Poland 11815 FL
	Ecuador 4712 FL OR	Sweden 11825 NC
	Colombia 4767½ FL	Ascension Is. 11820
<u>0100</u>	Venezuela 4840 FL	CA
Venezuela 3215 3325 FL	Honduras 4846 FL	Haiti 11833½ FL
Brazil 4994 FL WA	Brazil 5045 OR	Norway 11850 LA
Bolivia 5025 FL	So. Africa 5980 NC	Ceylon 15120 WI
Bolivia CA GA	Costa Rica 6037 FL	Mexico 15160 CA
Colombia 9636 LA	Switzer. 9535 NC WA WI	Congo(Dem.Rep.)
Argentina 9690 LA CA	Germany W. 9735 NC	15245 WA
Germany E. 9730 PA	Switzer. 11715 NC WA WI	Rumania 15250 WA CA
Spain 9760 WI	Mexico 11820 CA	Poland 15275 WI FL
Guatamala 11700 WA	Switzer. 11865 NC WA WI	
Byelrussia 11735 LA	Rumania 11885 11940	<u>0230</u>
Italy 11810 CA NC WI	LA PA	Ecuador 4930 OR
Hungary 11910 CA	Brazil 15180 CA	Peru 6045 TX CA
Czecho. 11990 IL P A WIRumania 15250 WI	New Zealand 15280 WI	Peru 6095 CA
	S witzer. 15305 NC WA WI	Colombia 6095 LA
		Germany E. 9730 NC
		Holland 11730 CA LA
		M exico 11880 CA
		Lebanon 11925 NC CA
		France 15120 CA
		Canary Is. 15365 CA

<u>0300</u>	<u>0400 (cont'd)</u>	<u>0530</u>
Honduras 4820 LA	Brazil 11720 CA	Colombia 4774 CA
Colombia 5075 LA	Canary Is. 11800 CA	Ghana 4915 FL
Venezuela 5058 CA	Poland 11815 WA	Peru 4937 OR
Costa Rica 6006 $\frac{1}{2}$ FL	Tahiti 11825 CA	Peru 4995 OR
Colombia 6040 OR WA	Brazil 11865 MA	Costa Rica 5954 WA
LA	Portugal 15125 CA	Angola 5960 MA
Brazil 6085 CA	So. Africa 15220 WA	Germany W. 9545 WA
Thailand 6095 Thai-	Congo (Dem. Rep) 15245	Tahiti 11825 CA
land	CA IN	
Colombia 6160 LA IL	New Zealand 15280 CA	<u>0600</u>
CA	Poland 15295 WA	Liberia 3225, 3227 FL
Albania 6200 CA	Ascension Is. 15235 IN	Sierra Leone 3316 FL
Germany W. 9605 CA	Austria 17740 CA	Senegal 4890 MA
Costa Rica 9645 LA	Kuwait 17750 WA	Nigeria 4932 FL
Chile 9750 CA	New Zealand 17770 L A	Colombia 5020 WA
Spain 9760 CA		Mexico 6140 CA
Argentina 11780 CA	<u>0430</u>	New Zealand 9540 NC
Czecho. 11990 CA WA	Dominican Rep. 4725 WA	Tahiti 11825 CA
Mexico 15110 CA	Ecuador 4940 OR	Ivory Coast 11920 CA HI
Hungary 15160 WI	Colombia 5095 CA	Nigeria 15365 CA
Poland 15275 CA WA	El Salvador 6010 IL	
New Zealand 15280 CA	Colombia 6175-A OR	<u>0630</u>
	Great Britain 6180 NC	Ghana 3350 FL
<u>0330</u>	Colombia 6195 OR	Liberia 4770 FL
Guatamala 3380 OR	So. Africa 7150 OR	Senegal 4890 FL
Dominican Rep. 5010	So. Africa 7215 LA	Liberia 4770 FL
5030 TX GA	Holland 9570 WA	Guinea 4900 FL
Peru 5050 OR WA	Chile 9590 WA MA	Mali 4835 FL
Mexico 6045 CA	Sweden 9725 WA	Ivory Coast 4940 FL
Mexico 6105 CA	Ukranian SSR 11730 NC	International Waters
Dominican Rep. 9505	Norway 11735 WA	6210 TX
LA	Tahiti 11825 CA	Great Britain 7105 CA
Ascension Is. 9510	Ukranian SSR 11890 CA	New Caledonia 7170 CA
LA	Rumania 11940 CA	Senegal 7210 WA
Austria 9610 CA	Ukranian SSR 11960	Papua 9520 HI
Mexico 9745 CA	11990 CA	Morocco 9615 WA
Sweden 11705 CA		Mali 11715 HI
Morocco 11790 IN	<u>0500</u>	So. Africa 11810 HI
Germany E. 11840 W I	Clandestine Laos 4660	Liberia 11950 CA HI
Poland 11870 NC	Thailand	
Lebanon 11925 FL	Ecuador 4910 MA	<u>0700</u>
Ukranian SSR 11960	Colombia 4955 WA IL	Solomon Is. 7115 CA
CA	Bolivia 5045 MA FL	Czecho. 9505 OR
Saudi Arabia 15150	Peru 5970 MA	Peru 9521 HI MA GA
CA WA	Peru 6082 CA IL	Burma 9725 Thailand
	Costa Rica 6150 CA	Canary Is. 15365 CA
<u>0400</u>	Clandestine Laos	
Ecuador 3378 FL	6300, 7320, 9200	<u>0730</u>
4791 4807 OR 3391	Thailand	Peru 4975 WA
Venezuela 3384 CA	Tahiti 11825 CA	Canada 6070 IL
Venezuela 3394 FL	RSFSR European 12230 CA	Tahiti 6125 HI
Guatamala 5955 LA	France 15295 WA OR	Solomon Is. 7115 CA
Poland 6035 9635 WA	So. Africa 17805 CA	New Caledonia 7170 HI
Ecuador 6100 CA	Sweden 17840 WA	Tahiti 11825 HI
Chile 6115 CA		
Venezuela 6170 CA		
Germany E. 9650 CA		
So. Africa 9695 WA		
Bulgaria 9700 CA WA		

<u>0800</u> Solomon Is. 7115 CA Australia 9560, 15160, 15240, 21540 HI	<u>1300</u> Cambodia 6090 Thailand Vietnam N. 15015A CA	<u>1800</u> Nigeria 3986 Thailand. Denmark 15165 CA Norway 15175 CA Finland 15185 CA France 15200 CA
<u>0830</u> Laos 5160, 6130 Thailand Solomon Is. 7115 CA	<u>1330</u> Papua 4890 CA Philippines 11920 CA	<u>1830</u> Congo (Dem. Rep. 15245 CA
<u>0900</u> Solomon Is. 7115 CA MA Philippines 9580 CA	<u>1400</u> Australia 4920 CA Singapore 5052 CA Australia 6140 CA Sarawak 7160 CA Malaysia 7220 CA Singapore 11940 CA Korea N. 15150 CA	<u>1900</u> Poland 6135 Thailand Congo (Rep(15190 CA
<u>0930</u> RSFSR 4485 HI Costa Rica 4690 IL MA Solomon Is. 7115 CA OH Philippines 9580 Thailand	<u>1430</u> Cambodia 6090 Thailand India 9575 CA RSFSR (European) 15350 OR Ghana 21545 CA	<u>1930</u> Portugal REF 15115 15145 15170 Thailand Thailand Greece 15 345 MA
<u>1000</u> Venezuela 4800 MA Colombia 4945 MA Solomon Is. 7115 CA	<u>1500</u> Clandestine Laos 4660 V Thailand Ceylon 15120 CA Seychelles 15265 Thailand Switzer. 17830 CA Norway 21730 CA	<u>2000</u> Pakistan E. 11672 FL Ghana 11850 PA France 15190 WI
<u>1030</u> Haiti 6155 GA Thailand 6405 Thailand New Zealand 9520 MA Peru 9625 GA Brazil 9675 GA	<u>1530</u> Clandestine Thailand 6034 Thailand Yugoslavia 9620 OR Vietnam N. 10040 CA Vietnam N. 10050A CA Vietnam N. 12040 CA Philippines 15170 CA	<u>2030</u> Israel 9625 NC PA Belgium 17865 WA <u>2100</u> Germany W. 15275 WI France 15295 IN Liberia 15445 WI
<u>1100</u> Thailand 3204 Thailand Indonesia 4872 TX Colombia 6035 CA Thailand 6060 Thailand Peru 6115 CA	<u>1600</u> Czecho. 17840 LA Norway 25900 PA <u>1630</u> Pakistan E. 15455 LA <u>1700</u> Yemen 4938 Thailand Portugal 17880, 21700 WA	<u>2130</u> Iran 15085 FL Liberia 15095 CA Saudi Arabia 15148 FL Holland 15245 PA <u>2200</u> Yugoslavia 9620 PA IN Turkey 15160 FL Italy 17740 CA
<u>1130</u> Nothing reported, take a snooze.	<u>1730</u> Germany E. 15240 CA	<u>2230</u> Ivory Coast 11920 WA <u>2300</u> Indonesia 4855 Thail. Brazil 5955 MA <u>2330</u> French Guiana 3385 FL

QSL SURVEYS

Some more interesting lists have been published by our DXing friends overseas. Summarizing the scene, the tables below give active countries per ASWLC list vs. countries reported verifying in 1969, and approximate number of active stations vs. stations replying in 1969.

DANISH SHORTWAVE CLUB, INTERNATIONAL, titles theirs "List of QSL's Received in 1969", in 10 pages. Thanks to Bill Sparks for forwarding a copy.

AREA	COUNTRIES ACTIVE	COUNTRIES REPORTED	STATIONS POSSIBLE	STNS QSLd
NO. & C. AMERICA	17	14	124	35
SOUTH AMERICA	13	11	497	72
EUROPE	40	35	60	51
AFRICA	54	38	82	48
ASIA	51	32	119	49
OCEANIA	14	6	16	9

a new set of acknowledgement cards, titled "Portuguese Handicrafts" is in the offing, more forms are sent & an IRC is sent monthly to reporters; a pennant is available; occasionally used Portuguese stamps are sent to members. Yearly prizes are awarded to the most regular reporter & the most valuable reporter; a series of Certificate Awards (based on QSL's from Portuguese and other stations) is available - write for full details. Lastly, membership puts the DXer in a very favorable & preferred position for QSL's from stations in Portuguese possessions & perhaps will help with some of the Brazilian stations. It looks worthwhile; may help with certain Angolan & Mozambique regional stations & even with TIMOR!

On to this month's reports:
NORTH & CENTRAL AMERICA
 ANTILLES, NWI: TWR, Bonaire, 11815: Xmtr bldgs C - 15D. 1 IRC. (Colby, MA) R Nederland, Bonaire, 11730: anniversary C - 1 1/2M sea. (Seymour, NC) DX Jukebox C - 15D air. (Thorne, CA)

Mr. Ulf Palmquist, Secretary of Radio Club of Sweden (SVERIGES RADIOKLUBB), forwards the SRK Latin American QSL Survey for 1970, along with some kind words for Q-C. Note the astonishing total for South American stations - that's about 35% ! Considering many low-power stations, less than ideal conditions and equipment, that is fantastic. Those Swedes must be sharp at reporting techniques !

AREA	COUNTRIES ACTIVE	COUNTRIES REPORTED	STATIONS POSSIBLE	STNS QSLd
NO. & C. AMERICA	17	12	124	32
SOUTH AMERICA	13	12	497	175

CANADA: R Canada, 17820: new Anniversary C: black/pink, "25", very nice. 1M. (Hayes, CA) VAK, Victoria R, 2182 (UTE): PFC 11D surface. 500W pwr. Les Lickner, Ch R Op, said furthest rx rpt. (Kamp, TX) CEC Northern Svc, 11720: N Svc C - 1M surface. (Seymour, NC) CKCK, Regina, Sask. 620 kHz: C /s/ H C Dean. 8D. MS. (Kamp, TX)

COSTA RICA: R Atenea, 6150: form L in Sp + small P - 75D. 1 IRC. (Patterson, GA)
 HONDURAS: HRVC, 4820: white C + sked - 39D air. 1 IRC. (Colby, MA)

MEXICO: R Mexico, 11720: form L in Eng, sked, 2 LP rcds, colorful book - 2 1/2M. No real veri. Asks for rpts. (Caldwell, CA & editor) XETRA, 690 kHz: green C + coverage map; /s/ Jose L Rodrigues, CE. (Haynes, CA) XERF, 1590 kHz: C - 7D. SAE & ms. (Kamp, TX)

RADIO PORTUGAL

From their Radio Portugal DX Club News-sheet #22 (Jan-Feb '70) comes word that membership may be gained only by submitting reports (a certain number) on THEIR OWN REPORT FORMS, available for the asking. There are a number of advantages to membership: Monthly logs are acknowledged,

SOUTH AMERICA

BOLIVIA: CP75, R La Crus del Sur, 5025: C & L - 7W. 1 IRC. Appreciate rpts, says Philip D George, QSL Mgr. (R Fisher, CA)

QSL CORNER

QSL CORNER

BRAZIL: ZYX2, R Brasil Central, 4995: Bilingual L + Brazil stamps - 17D, air /s/ Cheguia, Dir. NASWA Pt rpt + ms. (Kamp TX) ZYU8, Rdfa Teresina, 4845: pers C in Eng /s/ Jose Lopes dos Santos, Gen. Dir. + pix PC & 2 different pennants. 2W air. Ms. (Sparks, CA)

COLOMBIA: HJCQ, R Nacional, 4955: C shows pre-Columbian statue, letters "QSL" outlined. 2W. No RP. (R Fisher, CA) Color C of Arches in Argueria Plaza; /s/ Andres Pardo-Tovar, *Apartado Aereo 51-72, Bogota 1, D.E., Colombia, S.A. 120D air. Sp rpt & tape of Apollo sent. (Tordoff, CA) R Sutatenza: folder-C w/ history of station - 4H. (Mayo, NY)

ECUADOR: HCJB, 15115: Banana Plantation C - 25D air. 3 IRC. (Hudson, AL)

EUROPE

AUSTRIA: ORF, 6155: beautiful Winter Sports C in color - 6W air. No RP. (Seymour NC) 21670: b & w photo C - full data. 35 D. No RP. (Steen, Guam)

BEIGIUM: ORU, 6125: C + "Mailbag" script-42D air. IRC's. (Kamp, TX)

CZECHOSLOVAKIA: R Prague, 7345: Tatra Mtn C - 52D. For another rpt: "Life", "Youth" mags + short stories book but no QSL. (Hudson, AL)

FRANCE: ORTF, 15120: Orange "QS" inscribed C - 2W air. Fr rpt, 1 IRC. (Palmer, MI)

GERMANY, WEST: SDR, Stuttgart, 6030: red/blue/green C w/ freq & date; /s/ unreadable. 47D. 1 IRC. (Colby, MA)

GREAT BRITAIN: BEC, 3952 $\frac{1}{2}$: River Thames/Parliament C, no data. 53D. (Colby, MA)

HUNGARY: R Budapest, 9833: b & w St. Stefan Church & Statue C, full veri. L /s/ Ana Gulyas of tnx & requests rpts. 3H air. (Caldwell, CA)

IRELAND: EIP, Shannon Aeradio, 13272 (UTE) white C gives date, time freq; /s/ unreadable. Irish coffee recipe on back. 9D. 1 IRC. (Colby, MA)

NORWAY: LLH, R Norway, 9645: photo C "Winter in Norway" - time, date, freq. 37D. (Colby, MA)

PORTUGAL: R Portugal: L explaining lack of replies for past 6M + beautiful new deep blue pennant: antenna & "R Portugal" inscribed; request for continued rpts. (Caldwell, CA) For 6025: the large 5 x 7

Map C - 14D. (Colby, MA) 11935: likewise + rpt forms, DX Club Certif & pennant - 25D. (Hudson, AL) Map C arrived - 10W air 2 IRC. (Seymour, NC) 15125: Map C - 10D air. (Thorne, CA)

RSFSR - EUROPEAN RUSSIA: Radiostantsia Atlantika, 15460: L in Russ from R Rodina /s/ Kim Kuholev, special correspondent. Translates roughly as "We read your letter with pleasure and recognize that you heard Radiostantsia Atlantika in the Russian language. No details, remainder of letter talks about R Rodina. Compliments on Russ rpt (ASWLC Russian form) 3 $\frac{1}{2}$ M. (Bundy, Truk, ECI) Congratulations - 1st veri rptd from "Atlantika" 1st success w/ Russ rpt form rptd. A prize, Bob. R Peace & Progress, 17865: C + nice stamps. Full data - 80D. No RP. (Steen, Guam)

SPAIN: RNE, 6140: b & w "Tower" C " prgm sked - 1 $\frac{1}{2}$ M. (Hudson, AL)

SWEDEN: R Sweden, 5990: C: full data - 12D air. IRC's. (Kamp, TX)

SWITZERLAND: Red Cross, 7210: C "acknowledges", has time, date, freq & signer. 17D air. (Thorne, CA) Good, Dave; that's a veri & excellent QSL catch.

AFRICA

ETHIOPIA: ETLF, 15315: blue/white C: full data @ 138D. 2 IRC. (Steen, Guam)

GHANA: GPC, Accra, 9545: white C, sked - 35D. 1 IRC. (Colby, MA) 11850: regular C 2M air. No RP. (Seymour, NC)

LIBERIA: ELWA, 11975: b & w "Native Beating Drum" C (all except /s/) + sked. 48D. 1 IRC. (Colby, MA)

MORCCCO: VOA Tangier, 11790: VOA "Star" C in 10D. (Caldwell, CA) 9615: same in 14D. (Tordoff, CA)

MOZAMBIQUE: RCM, 11780: EC Bldg photo C gives freq; /s/ unreadable. 89D. 1 IRC. (Colby, MA)

NIGERIA: VON, 21455: Plain C - 118D. Returned 2 IRC. (Steen, Guam)

RUANDA: Rdfn Rwandaise, 6055: C in Eng/Fr on 2nd try; used both Fr & Eng rpts this time. 25D. 3 IRC. (Sparks, CA)

SENEGAL: R Senegal, 4890: b & w photo of Khora(?) (Senegalese harp); QSL on reverse no freq., no /s/. 73D. 1 IRC. (Patterson, GA)

SENEGAL, cont: Same C in 8W. ASWLC Fr rpt + NC placemat & 3 IRC. (Reynolds, NC)

SOUTH AFRICA: R RSA: colorful folding PC w/ scenes around So Af. Not in reply to a specific rpt. (Caldwell, CA) 15220: multi-color C - 16D. (Colby, MA)

SUDAN: R Omdurman, 9505: form L gives date only plus list of freqs. 2 $\frac{1}{2}$ M. 1 IRC. (Palmer, MI) Same in 4M for rpt in Arab & 2 IRC. (Mayo, NY) Not much for such noble effort, right Paul ?

UNITED ARAB REP.(EGYPT): R Cairo, 17920: usual dancing girl C - 47D, No RP. (Steen, Guam)

ASIA

CHINA, REP.OF(TAIWAN): VOFC: usual C w/ full veri, L, PC of Teachers' Hostel, pennant of orange cloth, blue border & Chinese imprint; xmsn sked. 3M air. Requests rpts. (Caldwell, CA)

CYPRUS: BEC, 7140: usual C typed "E Mediterranean Relay" - 2M. No RP. (R Fisher, CA)

JAPAN: R Japan, 21640/17825/17725/15235: color "Tower of the Sun" Expo 70 C - 2 $\frac{1}{2}$ W air. (Caldwell, CA) FEN, 15260: Map of Japan C, (now has Okinawa blocked out; 1 month ago still had it) no time. 35D. No RP. (Steen, Guam)

KOREA, REP. OF(SOUTH): VOFK, 15430: color "Girl in National Dress" C + prgm sked after 7M air. (Caldwell, CA) Korean Int'l Telecom Bureau, 13410 (UTE): 4 x 6 C /s/ B S Kim, Chief, 2nd Tech.Sect. 300W to rhombic beamed to Oakland. 1 Year. 3 IRC. (Ferry, CA) KBS, 9640: "Dancing Girls" C (full data)- 76D, No RP. (Steen, Guam)

KUWAIT: R Kuwait, 17750: folder C w/ map, facts & figures, description -very colorful. 2 $\frac{1}{2}$ W. (Caldwell, CA) 15405: same + sked & anti-Israel pamphlet. 26D. 1 IRC. (R Fisher, CA)

LEBANON: R Lebanon, 11790: 2 EC Bldg C's in color, sked, Cedar tree bookmarks; both rcvd same day, 2 $\frac{1}{2}$ M & 3M resp.(Caldwell, CA) Along w/ paper flag in 3M. (Hudson, AL)

PHILIPPINES: V of Philippines, 9580: thin C /s/ Ernesto G Madrid - 3W air. MS. (Sparks, CA) L w/ veri statement, asks for more rpts; also nice used stamps.*Correct address: VOICE OF THE PHILIPPINES, Office of the President, National Media Production center, Mololos, Bulacan, Philippines.

62D. 2 IRC. VOA, Tinang, 9760: VOA C - 10D. DZI9, FEBC, 21515: pink map C - 46D. No RP. (Steen, Guam)

RYUKYU ISLANDS: VOA, 7165: VOA C - 16D. (Steen, Guam) As above in 13D (Tordoff, CA)

SAUDI ARABIA: BSKSA, 11855: Palm trees / sword C /s/ Werner Storg - 4M. 2 IRC. *Address: Werner Storg, P.O. Box 2476, Riyadh, SAUDI ARABIA. (Seymour, NC)

SINGAPORE: BFBS, 5010: plain C w/ full data - 65D. 2 IRC. (Steen, Guam)

UZBEK SSR: R Tashkent, 11925: blue map/ chimes tower C - 58D. No RP.(Steen,Guam)

OCEANIA

AUSTRALIA: VLQ9, Brisbane, 9660: blue/ black map C -51D. 1 IRC.(Colby,MA) R Australia, 9580: Tasman Bridge, flower & Kangaroo C's - 2M sea. (Seymour, NC)

FIJI: R Fiji, 3284: Suva Street Scene C + L - 12D. Mr P L Littin, CE, said they were being well rcvd in N Am on 90M. 1 IRC. (R Fisher, CA)

GILBERT & ELLICE IS.: R Tarawa, 4912 $\frac{1}{2}$: PFC returned w/ full data - 47D. 2 IRC. (Steen, Guam) Better veri than their mimeo form L via this method.

HAWAII: WWVH, 10000 (2Kw): blue Hawaiian Scene C w/ call ltrs; specific veri on reverse gives all but time, imprinted /s/ S Kalahara, EIC. 11D. No RP. (Patterson, GA)

NEW GUINEA, TERR.: VL9CG, R Goroka, 2410: PFC w/ full data returned - 18D, Nice stamps. 2 IRC. (Steen, Guam) Excellent: clear-cut veri this way. Nice catch.

NEW ZEALAND: ZL19, RNZ, 11830: map C - 80D. No RP. (Steen, Guam)

THANKS TO MAY'S QSL REPORTERS

BOB BUNDY, Truk, ECI; DR.BILL CALDWELL, Los Angeles, CA; ED COLBY, Lynn,MA; DAVE FERRY, Fullerton, CA; ROBERT W FISHER, Los Angeles, CA; ROY HAYNES, San Jose, CA; JACK HUDSON, Five Points, AL; STEVE KAMP, Irving, TX; PAUL MAYO, Brooklyn, NY; TOM PALMER, Detroit, MI; CARROLL *PAT* PATTERSON, Decatur, GA; AL REYNOLDS Sanford, NC; WOODROW W SEYMOUR, JR., Sanford, NC; BILL SPARKS, San Francisco, CA; LT.PAUL M STEEN, F.P.O.,Guam; DAVE THORNE, Santa Ana, CA; JACK TORDOFF, Redwood City, CA.

ASWLC

-June 1970-

ASWLC

QSL Associate Editor: Gary Steele, 290 Elmside, Benton Harbor, MI 49022

QSL

CORNER Deadlines at Benton Harbor Only: June 26 and July 24

CORNER

ASWLC AWARDS

Recent recipients of certificates were:
Miss Ann E. Parker, Chicago, IL; for verification of 100 Countries of the World, 20 African, 20 Asian, and 20 European countries, SWBC.
Mr. Carroll R. Patterson, Decatur, GA; for verification of 75 Countries of the World, SWBC.
To both of you, ASWLC extends its congratulations for these achievements.

QSL SURVEY...RESULTS

Our thanks to those of you who did take the time to reply. To those who did not, all I can say is that your support would have been appreciated. Perhaps next time? The findings: "()" are no. of nominees.

- 1) Most attractive QSL was by far Radio Portugal's map card; R. Japan's Mt. Fuji and R. RSA's QSLs were next. (10)
- 2) Cards offering the best verification text belong to R. Australia and the ABC regionals, and R. Nederland. (17)
- 3) Best verifiers as voted were R. Nederland, R. Japan, R. Australian, and R. Prague. (11)
- 4) Most wanted countries were a matter of individuality, and 27 stations & countries were suggested, most seldom hrd.
- 5) Again, several different 'problem verifiers' were suggested, and these will be forwarded to the ANARC QSL Committee soon.

Anyone desiring the complete tabulations should send an SASE along, and I'll be glad to supply these to you. In addition, suggestions would be welcomed about any future surveys.

QSL Ladder...Class A: 1 to 60 VIC.....

- TOM PALMER, WPE8KHJ, MI
VIC 55/ VIS 65...% 70...RO-45
Fav.: R. Demerara...Rx: Halli. S-200
- Eric Happell, WPE4KJB, VA
VIC 51/VIS 77...90%...Fav. R. Nederland's
Windmill Cd...Rx: GR-54
- Don Adams, NC
VIC 50...75%...RO-6....Fav: R. New
Zealand...Rx: Drake SW-4A
- Lt. Paul M. Steen, Guam
VIC 50/ VIS 67....85%...RO-12
Fav: R. Portugal...Rx: Hammarlund HQ-200
- Paul Kinnaly, WPE1HRJ, Mass.
VIC 44/ VIS 53...RO-3,..95%
Favorite: R. Japan, MHK

QSL Ladder, Con't.

- M.F. Dressler, FL
VIC 36...75%...RO-10...Fav: HCJB Slide-
O-Rule...Rx: Galaxy R-530
- Woody Seymour, Jr.; NC
VIC 35/ VIS 45...85-90%... Fav: R. Port-
ugal...Rx: Realtone #2437
- Les Gaynor, WPE8KMJ, MI
VIC 32/VIS 37...RO-4...91 % Return
Fav: Windward Is. B.Serv...Rx: Zenith
Trans-Oceanic 1000
- Jack Hudson, AL
VIC 32/VIS 36...100%...Fav: R. LVEH
Rx: SB-310
- David Williams, KY
VIC 27/ VIS 33...RO-5...93%
Favorite QSL: R. Kiev
- David W. Thorne, WPE6QZ
VIC 24/VIS 48...88%...RO-6
Fav: Red Cross, 7210...Rx: SW-4A, Zenith
Trans-Oceanic, Halli. S-38B
- William E. Widrig, CA
VIC-18/VIS 18...61%...RO-8
Fav: ORTF...Rx: HQ-145AX
- Jeff G. Smith, WPE8KMY, MI
VIC 16/VIS 25...Fav: R. Peking
Rx: Heath GR-54
- James A. Schafer, WA
VIC-10/VIS 22...Fav: R. Japan...
Rx: Channel Master 13 Transistor

And thus, that takes care of all data on hand for Class A. Class B will appear in the August issue, updates on your totals will be due 24 July.

HANDY HINTS

For those of us who have neither the wall space nor the desire to trim QSLs to fit 3x5 display holder packets, I may have a solution:
Clear-view page protectors (clear acetate with a paper background) can be inexpensively purchased at a dime store or business supply agency. Using photo corner mounts to affix the QSIs firmly, and then inserting the punched folders into a suitable ring binder makes a convenient and attractive method to store valued QSL cards and letters. Any size verification up to typing paper size will fit--and no bending, tearing, or trimming.

Gary,
Til next month, 73 & QSLs ---WPE8KEQ

Editor: Robert LaRose, 172 College Complex Cir. Apt 6, Rochester, NY, 14623

Welcome aboard. First let me give my sincere apologies for missing last month's column. Between work and travel there just wasn't time to do an adequate job. This month we will try to catch-up on some smaller items that have come-up. As a result, part II of "WHAT'S THAT?" will be postponed. We hope to have it ready for next month.....Before we get down to business, let me tell all those who have written-in with questions that they will be getting personal replies in the near future (if they enclosed a self-addressed-stamped-envelope with their question).

RECEIVER NEWS

IRC-600 - National Radio is apparently now ready to accept orders for their new IRC-600 receiver. It is now being advertised in selected communications industry publications. From the look of it, your editor guesses a retail price of at least \$2000 and likely over \$3000! As mentioned in previous columns, the new model is a completely redesigned version of the IRC series of general coverage receivers. This new version appears to be aimed at the commercial market more than ever. The high price along with appears to be a number of tuning control options will cut down the amateur/listener market more than ever. Your editor hopes to have more details by next month.

R-530 - Galaxy Electronics has now raised the retail price on this receiver. However, even at the new price it still seems like a bargain for what you're getting....Other news from Galaxy includes the announcement that they are to merge with Hy-Gain (the antenna people)...While we're on the subject of receiver prices, let me remind you that when the price gets into the multiple hundreds of dollars, you do have the option of negotiating the final price. Don't accept the list price as the price you HAVE to pay. In many cases it will be possible to get a significant discount. Recently one of the larger electronics chains was offering a Hammarland receiver at almost 40% off for a certain time period. With the economy the way it is, it may be possible to work out a fairly good deal, if you're ready to buy.

"RADIO TODAY"- A DISAPPOINTMENT. TO SAY THE LEAST

After many anxious months of waiting, the inaugural (May) issue of RADIO TODAY was recently received by your editor. As the title of this section of TRICKS says, your editor was disappointed by what he saw.

The original promotions for the publication had seemed to indicate that it would be an in-depth magazine covering virtually all aspects of Radio Communications. Letters from the editor had seemed to indicate that the magazine would offer more than just plain loggings, it would have articles on many specific DX interests. In all correspondence, little was mentioned about the magazine having anything to do with "CB Activity". However, with the first issue it has become clear that CBing will have perhaps the most significant role in the entire magazine. There were several good general articles in the magazine. However, these seemed to lack any pretense of being timely or controversial.

Why the switch in emphasis? Your editor doesn't know for sure. However, money was probably a major (if not "the" major) consideration. There just isn't enough money (in the form of advertising) to support an all-SWL/DX magazine. You can't blame the editors of the publication. They certainly are not going to publish anything that they lose money on. On the other hand, if they raised the subscription price to.. PTO

Editor: Robert LaRose, 172 College Complex Circle, Rochester, NY 14623

"RADIO TODAY" A DISAPPOINTMENT, TO SAY THE LEAST (continued)

the point that they would pay for the magazine, there wouldntbe enough subscriptions. This is all a real shame. I raise the question why such big distributors as Allied, Lafayette or Radio Shack didn't advertise in the new magazine. Couldit be that they feel that the SWL market still hasn't come of age? Or maybe they have a wait and see policy.

At any rate the first few issues of Radio Today will set the stage for what will come in the future. If enough interest is generated by SWLs I am sure that the magazine will end up being slanted that way. However, if the majority of interest stays in the CBers favor then you can look for an almost 100% CB magazine within a few months. I urge all those that have subscriptions to write to the editor and let him know what you want to read. Write to:

Wayne Green- Editor/Publisher
RADIO TODAY
Peterborough, N.H.
03458

I can remember just a few years ago when a similar publication came out. It was called DX HORIZONS (I bet that rings a bell with some people). It started out as a DX/CATV/BUSINESS RADIO publication and then split-up into several different publications one of which was to be devoted almost exclusively to DXing. Within about 3 months it had become almost totally CB and finally the DX in DX HORIZONS got changed to CB. Lets hope that this dosen't happen again. We have another chance for a first-rate publication which will devote adequate space to DXers, lets make the most of it.

DXING-EUROPEAN STYLE

North American DXers (or for that matter DXers outside of Europe often wonder what it is like to be a DXer in Europe with ~~some~~ many countries, each with their own powerful radio networks, so close together. When I was on my recent trip to Europe I had a few brief chances, using a handheld Japanese BCB radio, to tune-in from hotel rooms in London, Paris and Amsterdam.

During the daytime I generally found only a few stations coming through. In London, for example, there was two or three BBC outlets plus Paris, Hilversum and a few fairly weak Germans. I didn't even hear a pirate! The same was true of Paris and Amsterdam. There were the local power-houses with a few stations from the immediate surrounding countries. At all three locations the night-time brought a fantasy land of DX. It is truly amazing to have a small Japanese radio in your hand and tune through so many countries so easily. Such stations as Warsaw, Moscow, Vatican, a host of Germans (including Armed Forces Radio), Czechs, Italians and many more. In some cases the stations were quickly recognizable by their Interval Signals. In other cases it was a matter of waiting for an ID. At any rate it was clear why there is so much DX activity in Europe. Interest in DXing can be generated at the earliest age when a child can be tuning for his favorite local program and tune past so many different languages coming from a host of countries. Finally, I found out for myself why everybody always talks about "adio Luxembourg- its the strongest station at night and it has HEAVY..HEAVY sounds.....Thats all for this month..73s, gud DX & HEALTH! BOB

HEARING AIDS

Editor: Paul Talbot, 1235 Blenheim Terr, Halifax, NS, Canada

GREETINGS

How many of us when logging Short Wave stations really bother to listen to what is being broadcast? If you're at all like I still am to a certain extent, a shortwave station serves only one purpose: a means for verification.

This monthly column will try to provide the DXer with my views on some of the programs on S.W.R. concentrating on DX shows, feature programs, and news. If you're looking for a highbrow review or intellectual criticism of what's on the airwaves a disappointment is in store. But if you'd like to learn about some of the more enjoyable and informative shows around, I hope this fits the bill.

It's always a pleasure to receive mail here and I sincerely hope to come in from school seeing my desk covered with your comments, suggestions, and complaints. After all, how can one person be justified in telling everyone else what's good and what isn't? Although notorious when it comes to procrastination and letter-writing, I'll try to answer all your letters. So please drop a line any time, especially now so I can spruce up the column to your liking. Enough verbalizing—now some business.

RADIO NEDERLAND DX JUKEBOX

1. Thursday Afternoons 21:30 GMT/15425, 11730 (Lopik)
2. Thursday Evenings 02:00 GMT/11730 (Bonaire)
3. Thursday Evenings 05:00 GMT/11730, 9715 (Bonaire)

From the country where shortwave broadcasting got its start comes DX JUKEBOX whose host Harry Van Gelder and compiler Jim Vastenhoude send out an informative parcel of Shortwave news every Thursday.

Unlike many other so-called DX programs, JUKEBOX provides information of the highest calibre rounded up by an international team of experts, including our own Arthur Cushen and Glenn Hauser. It is not a fancy way to grind out Radio Nederland's schedules, nor does it answer inane unrelated questions. The format is strictly business, except for some musical interludes.

On the first Thursday of the month an impressive propagation report is presented which concentrates on the reception of European stations in east and west North America. (Frequencies are also given for rare and common catches.)

Other weeks the experts clue us in with their reports. Arthur Cushen, whose community service in radio earned him a well-deserved M.B.E., sends in his findings from the Asia area. Topping of the lineup of reporters are Glenn Hauser, Jan Tuner and with tips straight from the Benelux DX Club is Holland's own Maarten van Delft. Among listing reporters I almost left out

Björn Fjaestad who helps out in the Europe reports. These reports seem to be challenging enough for the experienced DXer yet the novice is not forgotten. Currently an antenna course is being conducted, and meets the high standards of previous courses.

A mailbag show especially for the DXer is incorporated, where technical and non technical queries are taken care of. If you've got a question here's where to send it.

the But perhaps the show's greatest feature is DX services catalogue. Upon request, this catalogue makes you think you're attending a DX University. Special data-sheets have been whipped up on a variety of technical and non technical topics. For your free DX INFORMATION SERVICE CATALOG drop RN a line. By the way, all courses and data-sheets are free.

RADIO PRAGUE
STAMP COLUMN

1. 1st, 3rd Thursdays

01:30-36 GMT/5930, 7345, 9540, 9630, 11990 kHz.

03:30-36 GMT/same with 15365 added

Radio Prague's Stamp Column is a disappointment to the philatelically minded DXer who's after some good stamp news. It's nothing more than a glorified propaganda session with a few items on Czech stamps thrown in.

All discussion centers around new Czech releases but somehow degenerates into political verbalizing. I never cease to be amazed by how the professional propagandists are able to weave this sort of thing into an area of programming supposedly free from political overtones.

Topping off the whole thing is a farcial stamp quiz where listeners can win a philatelic prize.

To those of you who enjoy studying the clever ways of propagandists, Stamp Column might warrant your attention for one program: to those of you who collect stamps, don't be broken up if you miss it.

BBC
NEWS

1. For complete schedules, write BBC World Service, Bush House
London, W.C.2

Objective, factual news coverage is certainly one of the BBC's greatest assets. It doesn't take much to figure this out and anything else I have to say would be superfluous. It's the best in the world, bar none.

As members of the ASWLC we should demonstrate to the cynics who wonder what we get out of DXing that we are well-versed people. By listening to BBC news we can learn a lot about what's going on. Perhaps more important we are able to look at ourselves through someone else's eyes. So let's LISTEN to that British newscast next time, instead of moving up 5 kHz to bag Samoa.

next month: a listeners poll

Sister Club: CEYLONESE SWL CLUB is the official "sister" club of ASWLC.
CSWLC; Victor Gooverilleke; "Galle Malauwa", Piliyandala, CEYLON.
Every 2nd Saturday of the month at 1100-1110 GMT, the CSWLC presents
"DX-PANORAMA" Listen!!!!!! In English on 17.830 kHz.

HCJB - ASWLC Radio station HCJB uses "SWL" as it's official news source over the
"DX PARTY LINE". Tune in at 0230-0300 GMT on Tuesdays ... 15115 -
11765 & 9745. 1930-2000 GMT on Tuesdays ... 21460 - 17880 & 15115.
0930-1000 GMT Wednesdays ... 15325 - 11915 - 9745 & 6050.

ABC - ASWLC The Ray Briem Show heard nightly over KABC-am 790kc in Los Angeles.
Midnight to 0500 PST 0800 - 1300 GMT. Listen and Soon.

A.N.A.R.C. The ASWLC is a member of the Association of North American Radio Clubs.

A.R.E.A. ASWLC is a member of Amateur Radio Editors Association.

A.F.C.E.A. ASWLC is a member of the Armed Forces Communication & Electronics Ass.

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ASWLC annual dues are \$7 via First Class Mail. Sample bulletins @ 50¢ first class.

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California 92647

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2903 School Street
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"He stretcheth out the north over the empty place, and hangeth the earth upon
nothing." Job: 26:7 "Which maketh Arcturus, Orion, and the Pleiades, and the
chambers of the south." Job 9:9 "Canst thou bind the sweet influences of
Pleiades, or loose the bands of Orion?" Job 38:31.

ASWLC --- The Only Way To Go



"ASWLC"



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11

No. 8

FOUNDED: DECEMBER 1959

JULY 1970

HELLO! By Bill Ray

I am your new Executive Editor, very glad to have you know me. Just a few things about me you should know as we begin our relationship: I am a retired TV Film Editor. Been DXing and SWLing since the mid 1920's and been a radio amateur since 1934. Present equipment includes Hammarlund HQ 120 receiver, bought new in 1939, (four more payments and it's mine) and a Heathkit SB-310 receiver which I built early in 1969. Also have National HRU 50 and Zenith TO and three tape recorders plus a no-good black cat named Satan. 1936 to 1938 wrote a daily SWL column for a metropolitan newspaper and have spent some 20 or so years editing, publishing and writing for ham radio club publications.

I feel that Stewart MacKenzie has a large round of applause coming for his fine and tireless efforts for ASWLC in the past. He has been doing most of the work, coordinating, handling finances, publishing and mailing, writing the HQ section and on and on and on. He has done a fine job and without Stewart I doubt that the ASWLC would be half the club it is today. I only hope that I may begin to fill his shoes and do an acceptable job. A large order but I shall try my very best to maintain Stewart's high standards.

Also relieving Stewart of some of the big burden is David Thorne who has accepted the position of Secretary. Stewart, of course, will continue as Publisher and Treasurer and as he says, with more time for DXing.

At present the ASWLC has some openings in its staff, namely the Station Data, DX Forum and ECR Review sections. I already have several volunteers who are being considered. Soon as I am able to get better organized and find out just what I am doing in this new position I'll get to answering the several letters from those volunteers—just be a bit patient, please.

As some of you may have noticed my first participation in the ASWLC was the TIME INDEX which has appeared in SWL for three months and I am delighted to have so much mail from you members asking that it be continued. That it is, that it is, and beginning this month it will be expanded to include a FREQUENCY INDEX. Information for these two new departments is tabulated from the SHORTWAVE REVIEWS compiled from your reports sent to Messrs. Fisher, Patterson and L obdell. The more reports YOU send to them the bigger will be the Frequency and Time Indexes as well as the SW Review Depts.

BOARD OF DIRECTORS

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Time and Frequency Indexes -
Bill Ray
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ANNUAL DUES : \$7.00 (first class mail)
5.00 (third class mail)

ASWLC Bulletin, "SWL" is published monthly. For renewals, subscription or membership information write to ASWLC Secretary:

David Thorne
1506 Dresser St.
Santa Ana, Calif. 92701

Sample Bulletin - fifty cents.

L O S S

Regretfully, Rob Harrington of Colorado tells us of the death of Dave Cheek. He was drowned June 5, while swimming. Though only 17 years of age Dave was ANARC Representative and was on the DX Census Committee. Deepest sympathy is extended to Dave's family.

EYES, EARS AND KNOWS

This column, every month, will contain appropriate information of interest to SWLs gathered from many sources: other publications, heard over the air, from members' letters, etc.

Don't forget the ANARC Convention in Chicago at the Lake Tower Inn, July 31 thru August 2. Details in ANARC Report of June SWL.

Todd Graves' SWL Guide Newsletter for June advises:

It is estimated that the USSR and Republic of China each has over 100 shortwave transmitters. The Voice of America has 116 and BBC 62. Add the hundreds of transmitters of all the other countries, if all these transmitters were on the air at once, spaced 10 kcs. apart, they would occupy a total of 3.5 mcs. which is just about double the amount of space in the Electromagnetic Spectrum allocated to Shortwave Broadcasting.

During the coming FALL Radio Luxembourg will increase the output of the 6090 kcs. transmitter from 50 to 500 kw.

PROGRESS REPORT FROM SWL GUIDE

90% of the orders (except for Joymatch) received in the last three months have been filled. In stock and shipped immediately are: Murch Dipole; Mosley SWL-7, SWV-7 and TRS-57; HyGain SW9, Trik-Stik. New Edition of Better Shortwave Reception (\$3.95 ppd) shipped to me on June 17. WRTVH Summer supplement still supposed to be available late June (which probably means early July), but How to Listen to the World originally to be available in June is now scheduled for "late Fall."

Todd Graves

The April DX KUUNTELIJA of Finland advises that the Burma BS required Burmese (uncancelled) stamps for a QSL. (ADXN)

The Post Office wants us to use Zip Codes and the new state abbreviations. The latter are very convenient for our purpose, each state has been abbreviated to two capital letters, as you may have observed in the TIME INDEX. It is suggested that ALL REPORTERS do likewise for the sake of brevity and uniformity. At the bottom of the next page is the complete list of new P O abbreviations for your convenience. Clip it out for future reference—or it may be handy for your Christmas card list.

S W L BANDS

* denotes in tropical zones
 ** shared with Amateur Service

3200 to 3500 kc.	90 meters*
3950 to 4000 kc.	75 meters* **
4750 to 5000 kc.	69 meters*
5950 to 6200 kc.	49 meters.
7100 to 7300 kc.	41 meters**
9500 to 9750 kc.	31 meters
11700 to 11975 kc.	25 meters
15100 to 15450 kc.	19 meters
17700 to 17900 kc.	16 meters
21450 to 21750 kc.	13 meters
25600 to 26100 kc.	11 meters

Carroll Patterson who edits the Americas section of SW Review writes us the following:

"Recently I received a 'phone call from Sergio de Agastini of Italy who is a student at Georgie State University in Atlanta. Sergio, a novice to DXing, saw my name in Hank Bennett's SWL column in Popular Electronics and we had several good talks on the 'phone and he then invited my wife and I to his apartment for some Italian food. We met his brother and some friends and had a marvelous time. We soon reciprocated and had them over for dinner and SWL talk. I believe this very aptly exemplifies the ASWLC motto "World Friendship thru' Shortwave."

From Finland's DX KUUNTELIJA

France ORTF is now building four SW transmitters of 300 kw. at Allouis. (EA, SCDX)

POPULAR ELECTRONICS MAGAZINE
 TO BE REDESIGNED

From NASWA-FRENDX for June, 1970

The following information is direct from Oliver P. Ferrell, Editor of Popular Electronics magazine. He is a NASWA member.

"Starting with the Sept. 1970 issue of Popular Electronics, the entire magazine will be redesigned. The SWL column will not appear, nor the English Language program skeds. Too, the Ham Radio Column is being dropped; the CB column has already been discontinued. Also, the WPE registration program, although probably to continue after certain details are finalized, will be under a different prefix and sponsor. The reasons for these and other particular changes mentioned are complex on one hand, but very simple when examined in the light of the type of reader that represents most of the PE audience numbering 380,000. Over a period of years there are less than 5000 seriously interested SWL's regularly following the SWL column. Readership of the ARO column was less and the CB column was about 20,000. Taken together, this represents only about 8% of the P E audience. Editorial pages devoted to this 8% however, was never less than 20% of the entire magazine. If only on the basis of business economics, that 20% of monthly editorial space should be devoted to other subject areas that might increase circulation by an equal amount. The changes mentioned were inevitable and unfortunately have been speeded up by the lack of cohesion among SWL's including the comings and goings of clubs, officers, falsified elections, petty bickering, etc. The past two years have not convinced me that SWLing is a healthy growing hobby."

Tell your friends about ASWL and let them listen to some DX on your receiver and perhaps you may get a few more members of the Club. Especially with Popular Electronics dropping its SWL pages and some 5000 readers seeking a new SWL publication.

MEMBERSHIP CERTIFICATES

SILENT TAPE RECORDING

Secretary Dave Thorne
1506 Dresser St.
Santa Ana, CA 92701

is now issuing Membership Certificates. If you have not yet received yours let Dave know how you wish your name to appear on it and send him a six cent stamp. He has large envelopes for mailing. To help complete a survey Dave would like to know the make and model of your receiver/s.

T I M E

If you have one of those large 24 hour clocks, such as Mastercrafters, you may make it more usefull with a Dymo labeling machine. On yellow tape print the 24 numbers of the hours and do the same on green tape. Then print a green label for your local STANDARD time and a yellow label for your local DAYLIGHT SAVINGS time. By sticking these labels next to the appropriate hours on the 24 hour clock face you have an all year 'round time reference for any hour.

For safety's sake, print up Dymo labels of your local Police and Fire Departments' telephone numbers and stick them to the front of your telephone.

By having a qualified technician wire a jack across the audio gain control of your receiver you may patch in your tape recorder and record "silently" off the air. In other words, the recording level is determined ONLY by the setting of the gain control on your recorder. The gain control on the receiver may be wide open or all the way down, it makes no difference. This is handy for recording while monitoring on another receiver, watching TV or visiting with guests.

Keep a record of the make, model and serial number of your receivers and other equipment. In case of theft it is a great help to police in identification in case of a recovery. It is a good idea to do the same with all your household appliances.

Remember - if you only spend one dollar on your antenna installation you'll get just one dollar worth of results. A carefull and good installation will provide good results. Listen to Hilversum and it's "DX Jukebox" and Antenna Course.

Fridays 0200 GMT 11730 kcs.
0500 11730 & 9715

Remember this is Thursday evening in the United States.

NEW POST OFFICE STATE ABBREVIATIONS (clip out and keep)

AL-Alabama	LA-Louisiana	ND-North Dakota
AK-Alaska	ME-Maine	OH-Ohio
AZ-Arizona	MD-Maryland	OK-Oklahoma
AR-Arkansas	MA-Massachusetts	OR-oregon
CA-California	MI-Michigan	PA-Pennsylvania
CO-Colorado	MN-Minnesota	RI-Rhode Island
CT-Connecticut	MS-Mississippi	SC-South Carolina
DE-Delaware	MO-Missouri	SD-South Dakota
FL-Florida	MT-Montana	TN-Tennessee
GA-Georgia	NB-Nebraska	TX-Texas
HI-Hawaii	NV-Nevada	UT-Utah
ID-Idaho	NH-New Hampshire	VT-Vermont
IL-Illinois	NJ-New Jersey	VA-Virginia
IN-Indiana	NM-New Mexico	WA-Washington
IA-Iowa	NY-New York	WV-West Virginia
KS-Kansas	NC-North Carolina	WI-Wisconsin
KY-Kentucky		WY-Wyoming

2nd Quarterly Report

In the preceding report (April) member response was invited in an effort to determine the frequency of non-delivery of ASWLC bulletins. We are happy to report that only one such report was received. Consequently, it would appear that, at the moment at least, there is no particular problem - and we hope it will stay that way.

#

Shortly after their election the Board was asked by Stewart MacKenzie to begin a search for qualified members to relieve him of some of his work load. After several months of rather tedious correspondence with a number of members, the search finally narrowed to two very capable candidates. One member, David Thorne, of Santa Ana, California, expressed willingness to accept the Secretary position for the Club and the other, Bill Ray, of Mill Valley, California, that of Executive Editor.

In mid-April, three of the Directors, Jack White, Bill Flynn, and Art Glover, travelled (at their own expense) to San Francisco where they met and conferred with Bill Ray. Full advantage was taken of this personal meeting to discuss not only the Executive Editorship but all Club-related business deemed of importance. At the conclusion it was decided to recommend to the Board the appointments of Bill Ray, as Executive Editor, and David Thorne, as Secretary. Subsequently, Stewart MacKenzie was asked to negotiate with each concerning details of transfer of duties, and advise the Board as soon as arrangements had been concluded.

#

Also discussed in San Francisco was the apparent need for providing certain informative leaflets concerning the Club, its purpose, etc., for the guidance or enlightenment particularly of new members. Recognizing that such introductory material may be best provided as leaflets or information circulars, rather than in the regular bulletin content, preparation on the first of these has already begun. Vice President Jack White is spearheading this effort, ably assisted by the editors of the several sections of the bulletin.

#

Looking ahead to some degree, the Board has recently taken under advisement the suggestion that it may soon become necessary to raise our membership fee structure in order to cope with increasing costs of supplies and probable further increased postal rates. One proposal, that membership fees be increased from five dollars to seven dollars for 3rd Class postage, and from seven dollars to ten dollars for 1st Class postage, has been made. Another suggests elimination of 3rd Class altogether - all memberships to receive the bulletin via 1st Class mail. Still another thought considers reducing the number of pages in the bulletin, or use of a lighter weight paper. Again, we emphasize that no decision has yet been made, nor is it likely that one can be reached for several months.

#

As your representatives in the conduct of Club affairs, the Directors sincerely invite you to communicate with them anytime you have suggestions or constructive criticism that you would like to bring to their attention. Letters may be addressed to any Director of your choice. Return postage would be appreciated, however, if replies are expected.

BOARD OF DIRECTORS (ASWLC)

Pres: Art Glover, 2318 S. Laurel, Port Angeles, Washington 98362
 V. P: Jack White, 780 NW Wallula, Gresham, Oregon 97030
 August Balbi, 3326 Larga Ave., Los Angeles, California 90039
 Bill Flynn, Box 473, Mountain View, California 94040
 Bob LaRose, 172 College Complex Circle (Apt. 6) Rochester, New York 14623
 Mike Macken, 64 Court Road, Winthrop, Massachusetts 02152
 Bill Sparks, 1100 Hearst Bldg., San Francisco, California 94103

Respectfully submitted,
 Art Glover

ANARC REPORT

By ASWIC Representative

Bill Sparks,
1100 Hearst Bldg.,
San Francisco, Calif. 94103

1970 ANARC Convention: Jerry Heien reports that a number of DXers have already said that they will be attending the Chicago Convention on July 31 - August 2. A tour of station WGN has been arranged for Saturday at 10 AM. The convention is open to all DXers. For information or hotel reservations, write Jerry Heien, 3822 Marshall Court, Bellwood, Ill. 60104.

QSL Committee: Hopeful news for all DXers waiting out a QSL from Aden (me too), Ed Pyatt writes that he's received a letter from Southern Yemen as follows: "The reason for not having verified some reception reports is that we ran short of verification cards for some time. However we are in a better situation now and we hope that all previous reception reports will be verified accordingly". Ed suggests that when DXers write, they include mint stamps if possible or IRCs. Reports should be sent to: Mr. Ahmed Qatabi; Director General of Broadcasting and TV; South Yemen Broadcasting Service; PO Box 1264; St. Point; Aden, People's Republic of Southern Yemen. -- Great work, Ed.

M.O.Y. Committee: Merit Awards Announced!

Gerry Dexter, Chairman of the ANARC Awards Committee has announced that ANARC Merit Awards will be given out periodically to worthy persons who have contributed to the benefit of the hobby.

Specifically, the award may be presented for: significant contributions in the form of club leadership, long-term editing jobs, continuous and long support of a particular club or column, general promotion of the hobby, a single or series of outstanding DX loggings, etc. No restriction is placed on the number of times a person may be recommended for, or receive, the award.

Members of ANARC-affiliated clubs may recommend a person for a merit award by sending a letter giving full details as to why the particular individual deserves to be recognized. Four carbon copies of the letter and a SASE should be sent to: Gerry Dexter, Rt. 1, Maple Road, Lake Geneva, Wisconsin 53147.

There are no restrictions geographically. Anyone in the world may be recommended as long as the general guidelines are observed. The Awards Committee will give full consideration to each recommendation received. Recipients of the Merit Award will be announced periodically in the ANARC Newsletter.

The 1970 Man of the Year will be announced at the Convention in Chicago.

ANARC Election: Nominations for the post of ANARC Executive Secretary for the next two year term are still much desired. Anyone interested in serving ANARC may be nominated, and any DXer may make the nomination (but be sure to clear with the nominee first to determine that he is willing to run for the office). Send your nomination to Gray Scrimgeour, 227 Hanna Rd., Toronto, Ontario, Canada.

EDXC: The European DX Council's annual meeting will be held in Koln, Germany, July 24-26. We hope that Serge Neumann will be able to attend as an ANARC representative.

- PHILIPPINES, F.E.B.C., 11920, 1330, Eng. Mailbag (Thursdays), good, June 15, Balbi, Calif.
- PHILIPPINES, F.E.B.C., 15440, 1459 (signon), Eng. religious program, fair, May 31, Thorne, Calif.
- PHILIPPINES, F.E.B.C., 11920, 1330, Eng. religious program, exc., June 13, Franklin, ?.
- PHILIPPINES, F.E.B.C., 9715, 1030, Eng. & Rus., talk & hymns, announced as "Voice of Friendship, Manila," fair, June 2, Patterson, Ga.
- R.S.F.S.R., Gov. Minsk (TENTATIVE), 15150, 2255, Span, poor, announces N.A. service of R Moscow at 2300 in Eng., poor (variable), June 10, MacKenzie, Calif.
- R.S.F.S.R., Gov. Magadan, 12240, 0645, Rus., music, fair, May 26, MacKenzie, Calif.
- RYUKYU ISLANDS, V.U.N.C., 14460, 1720, Japanese(?), frequent Eng. announcements, records, good, May 20, Pilkington, Wash.
- RYUKYU ISLANDS, V.O.A. Okinawa, 7165, 1445, Eng., music (news at 1500), fair, June 10, MacKenzie, Calif.
- SABAH, R Malaysia, 4969, 1227, Malay sports event (relay of Kuala Lumpur), fair, May 30, Tordoff, Calif.
- SARAWAK, R Malaysia, 4950, 1317, Chinese soap opera, good, June 10, MacKenzie, Calif.
- SARAWAK, R Malaysia, 7145, 1229, Malay news, good, June 17, Hauser, Thailand.
- SINGAPORE, R Singapore, 11940, 1535, Eng. news, (classical music at 1540, opera at 1545), good (variable), June 10, MacKenzie, Calif.
- TURKEY, R Ankara, 15160, 2208, Eng., comment, news, music, good, May 24, Zabransky, Ill.
- VIETNAM (NORTH), V of Vietnam, 12025/10045. 2000, Eng., fair (10045 is the better of the two), June 15, Balbi, Calif.
- VIETNAM (NORTH), V of Vietnam, 15025, 2000, Eng., fair, June 15, Balbi, Calif.
- VIETNAM (NORTH), V of Vietnam, 10040, 1530, Eng. news & political propoganda, some music, fair, June 6, Thorne, Calif.
- VIETNAM (NORTH), V of Vietnam, 15023V, 1400-2100, Eng. news at 2000, fair, June 16, Ray, California

OCEANIA

- AUSTRALIA, A.B.C. Darwin, 17715, 0730, Eng., fair, June 15, Balbi, Calif.
- AUSTRALIA, A.B.C. Darwin, 17715, 0805, Eng., fair, June 6, Rowell, Wash.
- AUSTRALIA, A.B.C. Perth, 9610, 1055, Eng. talks & music, fair, June 17, Seymour, N.C.
- AUSTRALIA, A.B.C. Brisbane, 4920, 1315, Eng. news, piano music, fair, June 10, MacKenzie, Calif.
- AUSTRALIA, A.B.C. Melbourne, 15355, 0700, Eng., exc., June 9, Franklin, ?.
- AUSTRALIA, A.B.C. Melbourne, 11840, 1815, Eng., pop music, fair, June 3, MacKenzie, Calif.
- AUSTRALIA, A.B.C. Melbourne, 6150, 0658, Eng. news & pop music, fair, May 25, Patterson, Ga.
- NEW CALEDONIA, R Nouméa, 7170, 1025, French play (very dramatic), poor, May 25, Patterson, Ga.
- NEW CALEDONIA, R Nouméa, 7170, 0600 (signon), Cagou Bird Call, strong, June 15, Balbi, Calif.
- NEW CALEDONIA, R Nouméa, 7170, 0730, French, very pleasant music, fair, June 7, MacKenzie, Calif.
- NEW CALEDONIA, R Nouméa, 7170, 0700, French, music & dialogues, good, June 6, Rowell, Wash.
- NEW ZEALAND, R.N.Z., 9520, 1023, Eng., pop music, fair ("...best sig I ever hrd fr N.Z."), June 4, Patterson, Ga.
- NEW ZEALAND, R.N.Z., 9540, 0618, Eng., modern records, good, June 9, Pilkington, Wash.
- NEW ZEALAND, R.N.Z., 15280, 0310, pop music (classical piano music at 0330), Eng., fair (variable interference from KGEI), June 10, MacKenzie, Calif.
- NEW ZEALAND, R.N.Z., 11830, 0900, Eng., good, [date?], Goltz, Penna.
- PAPUA/NEW GUINEA, A.B.C., 4890, 1305, Eng., B.B.C. news, fair, June 10, MacKenzie, Calif.
- PAPUA/NEW GUINEA, A.B.C., 4890, 1400 (signoff), Eng., exc., June 10, Franklin, ?.
- PAPUA/NEW GUINEA, R Wewak, 3335, 0948, Pidgin, guitar music, poor, June 6, Fisher, Calif.

SOLOMON ISLANDS (AUS.), R Bougainville, 3322, 1111, Pidgin, pop music, poor, May 31, Fisher, Calif.

TAHITI, R Papeete, 11825, 0530, French, strong (sched. 0300-0800), June 6, Rowell, Wash.

TAHITI, R Papeete, 11825, 1615 (signon), French news, powerful, June 15, Balbi, Calif.

CLANDESTINE

Voice of the Provisional Revolutionary Government of the Republic of South Vietnam, 11995, 1412, French, Eng. at 1430 mentioning that it is broadcasting to American GI's involved in the war. "...I believe this is simply another face of NLF's Radio Liberation," Hauser, Thailand. [Comments requested in June Asia/Oceania on the desirability of inclusion of clandestine loggings in this column were equally divided. Members, your opinions, please. RWF]

UNIDENTIFIED

9385, USSR in language at 1520, SINPO 34344; jammed by 1525, SINPO 11301; covered by unknown station at 1530 signon; sounds like another Russian language station. MacKenzie, Calif.

3682.5 (Indonesian?). "R. Hamadir or some such, at 1850 9/6 with dance music, and Indonesian-type talk; 1904 ID; off around 1910 or RTTY QRM on the high side got it. 32333." Wm. Glenn Hauser/FR 448 42 7204/Box 1466, 388 CSG AFTN/APD San Francisco 96288.

11690, USSR in language at 1840 with vocal singing groups, SINPO 33342V; jammer on lower side band; June 3. MacKenzie, Calif.

Mr. Glover had a comment on a station tentatively listed as Qatar in May Asia/Oceania: "Might check out 9570 at 1556-1600. Noted 10 June with RSA s/on bird-call & all. This might be what some took to be Qatar." [Glover, Wash.]

LATECOMERS

The following Asia loggings were received too late for inclusion in the above listing by countries:

CEYLON, C.B.C., 15120, 1630, Eng., music, fair, June 10, Widner, Ind.

KOREA (NORTH), R Pyongyang, 15095A (new freq.), 1425, Eng., comment, music, very strong, clear, signoff 1500, June 12, Widner, Ind.

PHILIPPINES, V.O.A. (LISTED), 9605, 1430, [lang. ?], fair, June 12, Widner, Ind.

UZBEK S.S.R., R Tashkent, 11925, 1200, Eng. news, fair, May 18, Widner, Ind.

DX NEWS

"SOLOMON ISLANDS 7115 SIBS not on this Freq since May 25th evidently test May 2nd on." [Balbi, Calif.]

This month's contributors were AUGUST BALBI, Los Angeles, Calif.; JAMES J. FRANKLIN [I'm sorry that I don't know your location, Mr. Franklin. RWF]; A.E. GLOVER, Port Angeles, Wash.; GARY S. GOLTZ, Pittsburgh, Penna.; WM. GLENN HAUSER, Nakhorn Rajasima, Thailand; CHRISTOPHER LOBDELL, Reading, Mass.; STEWART MAC KENZIE, Huntington Beach, Calif.; CARROLL R. PATTERSON, Decatur, Ga.; CHAS. T. PILKINGTON, Seattle, Wash.; BILL RAY, Mill Valley, Calif.; SAM ROWELL, Gig Harbor, Wash.; JOHN L. ROUSE, Wallingford, Conn.; WOODY SEYMOUR, JR., Sanford, N.C.; DAVE THORNE, Santa Ana, Calif.; JACK TORDOFF, Redwood City, Calif.; JACK WIDNER, Indianapolis, Ind.; JIM ZABRANSKY, Elmhurst, Ill.; and myself. Thank you all for your support!

June 23, 1970. Yours very truly, *R.W. Fisher* A.S.W.L.C. ASIA/OCEANIA Editor

Associate Editor: Carroll R. (Pat) Patterson, WPE4KHW
784 North Parkwood Road
Decatur, Georgia 30030

August Deadline: 17 July 1970

September Deadline: 21 Aug '70

(All times/dates are GMT)

* NOTICE * *

The use of "date of reception" as well as "time heard", both in GMT, begins with this issue; however, for this issue only, reports without reception dates will be included. The date column in those cases will reflect "NS" (not shown). Reports received for subsequent issues without reception dates will be discarded. The "date of reception" is column two and is expressed in both Arabic numerals (for the day of the month) and Roman numerals (for the month). "18 May 1970", for example, would appear as "18 V".

You will note small changes in format. This change was necessary to accomodate "date of reception" column. The only important change is the deletion of call signs except for those stations that use nothing else, such as the Canadian commercial sw stations.

Please remember, your reception reports must arrive by or before deadline date. Those received after deadline date must, of necessity, be discarded. I always begin my "workup" of the data based on your reports on the night of the deadline and reports received the next day or so cannot be considered.

RECEPTION REPORTS

ARGENTINA

6120 29 V 0230 R El Mundo; Buenos Aires; Sp; Sp mx; good (Caldwell, Calif)

BOLIVIA

4755 4 VI Q200 Rem. Bolivia; Oruro; Sp; dance records & nx & IDs; het fr CARACOL sta (Sparks, Calif)
6005 9 VI 0200 R. Progreso; La Paz; Sp; mx; poor - bad QRN recently (Caldwell, Calif)

BRAZIL

4765 29 V 0345 (tent) R. Feira de Santana; Feira de Santa, Ba.; Port; LA pop mx & s/off 0400; poor & noisy (Williams, Ore)
4845 6 VI 0808 R. Dif. Teresina; Teresina, Piaui; Port; pop mx & many ads, clear ID 0815; fair (Lobdell, Mass)
4865 6 VI 0840 R. Clube do Para; Belem, Para; Port; pop mx & ads; good (Lobdell, Mass)
6000 30 V 2340 R. Inconfidencia; Belo Horizonte, MG; Port; talk - sev. voices; fair (Zabransky, Ill). Date NS, 0005; Port; NA pop mx, ads, talks; fair to poor - quite regular (Happell, Va)
6035 7 VI 0130 R. Globo; Rio de Janeiro, Gu.; Port; LA mx; good (Caldwell, Calif)
6085 2 VI 0053 R. Jornal do Comercio; Recife, Pe.; Port; Brazilian mx & ID; fair (Lobdell, Mass)

BRAZIL (cont'd)

- 9745 27 V 0330 R. Cultura; Sao Paulo, SP; Port; LA pop mx; excellent (Caldwell, Calif)
- 11795 8 VI 0205 R. Nacional; Rio de Janeiro, Gu; Port; World Cup soccer nx fr Guadalajara; fair (Sparks, Cal)
- 15105 2 VI 2220 R. Rural Brasileira; Rio de Janeiro, Gu.; Sp(?) & Eng; choir mx; fair (Pilkington, Wash.)
- 15155 28 V 0125 R. Dif. de Sao Paulo; Sao Paulo, SP; Port; vocals & ID; good (Lobdell, Mass). 9 VI, 0200; Port; NA mx "Strike Up the Band" & many ads; good (Caldwell, Calif)
- 15415 28 V 0002 R. Clube Ribeirao Preto; Ribeirao Preto, SP; Port; live concert-pop singers; fair (Lobdell, Mass)

CANADA

- 6070 3 VI 0740 CFRX; Toronto, Ont.; Eng; pop mx & Dodge comls; good (Redman, Ill)
- 6130 7 VI 2345 CHNX; Halifax, NS; Eng; mx; poor (Palmer, Mich)

CHILE

- 6115 28 V 0330 R. Nacional de Agricultura; Santiago; Sp; mx; fair (Caldwell, Calif)
- 9570 6 VI 1144 R. Portales; Santiago; Sp; talk w/freq. IDs; fair (Fisher, Calif)
- 9590 "NS" 0004 R. Presidente Balmaceda; Santiago; Sp; "musica del Balmaceda"; many IDs w/chimes; fair -blkd. by R. Nederland at 0021 (Happel, Va. (CRP comment: Eric, my QSL says 10 KW)
- 9750 11 VI 0300 R. Sociedad Nacional de Minería; Santiago; Sp; blocked by VOA - poor (Caldwell, Calif)

COLOMBIA

- 4915 "NS" 0458 R. Guatapuri; Valledupar; Sp; s/off & anthem; poor & local noise, also (Williams, Ore)
- 4955 23 V 0430 R. Nacional; Bogota; Sp; international nx & ID as "R. Nacional de Colombia"; excellent (Redman, Ill)
- 6040 11 VI 0300 LV del Tolima; Ibague; Sp; pop mx; fair - bad QRN (Caldwell, Calif)
- 6075 24 V 0300 R. Sutatenza; Bogota; Sp; nx & pop mx, ID as "R. Sutatenza"; poor (Redman, Ill)
- 6095 "NS" 0330 LV del Centro; Espinal; Sp; sports event; fair - bad QRN, "a new one for me - thanks to Mr. Bascon" (Caldwell, Calif)
- 6160 24 V 0330 Em. Nueva Granada; Bogota; Sp; local mx & nx, ID as "R. Cadena Nacional"; good (Redman, Ill). 27 V, 0410; Sp; mx; fair (Zabransky, Ill). 10 VI, 0330; Sp; mx; poor - bad QRN (Caldwell, Calif)
- 6183 28 V 0325 R. Nacional; Bogota; Sp; classical mx; good (Redman, Ill)

COSTA RICA

- 6050A 30 V 0635 R. Reloj; San Jose; Sp; LA & NA pop mx, several IDs; fair (Redman, Ill)
- 9615 12 VI 0315 LV de la Victor; San Jose; Sp; NA dance mx & ID - "back on again"; excellent (Sparks, Calif). "NS", 0028; Sp; classical mx w/many IDs w/chimes; poor to fair (Happel, Va). "NS", 0300; Sp; mx; good - booms in every night (Thorne, Calif)

COSTA RICA (cont'd)

9645 3 VI 1200 Faro del Caribe; San Jose; Sp; s/on w/anthem & anmts -into rel. mx; fair (Palmer, Mich). 10 VI, 0300; Eng; rel. prog.; poor-bad QRN (Caldwell, Calif)

DOMINICAN REPUBLIC

3364 19 V 0430 R. Exitos; Santiago; Sp; classical mx incldg Beethoven's 5th, complete ID, anthem & s/off 0500; good (Williams, Ore). 1 VI, 0454; Sp; classical mx & ID & s/off; fair (Sparks, Calif)

4795 3 VI 0410 Onda Musical; Santo Domingo; Sp; light orch mx, Mexican mx, dance mx, TC & ID; poor to fair (Williams, Ore)

4825 3 VI 0124 LV de las Fuerzas Armadas; Santo Domingo; Sp; mx, few anmts, s/off 0200; good but some het (Kamp, Texas)

9505 11 VI 0300 Radio-TV Dominicana; Santo Domingo; Sp; pop mx; fair-bad QRN (Caldwell, Calif)

Special: Special heard on 17 V fr 0330 till well after 0600 - sp bdcst of election returns on a network which IDd as "Radio-Television, LV de Junta Central Electoral". Only ID used. Was noted on: 4825, LV de las Fuerzas Armadas; 5010, R. Cristal; & Onda Musical, 4795. No sta IDs during the prgr (Sparks, Calif)

ECUADOR

4730 26 V 0541 R. Nacional Progreso; Loja; Sp; cont. Ecuadorian mx till anmt 0541, ID 0552; poor (Williams, Ore) (CRP: WRTVH lists on 4775mc)

4750 10 VI 1245 Unidentified -possibly Ecuador; Sp; soccer game excerpts till 1257; fair - QRN makes ID impossible to read (MacKenzie, Calif) (CRP: Could it be R. El Mundo, Guayaquil?)

4801.5 4 VI 0600 R. Popular Independiente; Cuenca; Sp; Ecuadorean pop mx & ID; good; "down fr former 4807" (Sparks, Calif)

4810 4 VI 0500 Canal Manabita; Portoviejo; Sp; Ecuadorean mx - no ID hrd till just before s/off 0500; fair "down fr former 4823" (Sparks, Calif)

5040 2 VI 0544 Unidentified, ID was "Radio Centinela" but Bill Sparks doesn't know if was Centinela del Sur on new freq; Ecuadorean mx (Sparks, Calif). (CRP: Anyone got anything on this?)

EL SALVADOR

9553 15 VI 0236 R. Nacional de El Salvador; San Salvador; Sp; good Latin mx & a Glenn Miller record, IDs 0236 & 0248, few anmts; fair (Williams, Ore)

GUATEMALA

6180 6 VI 0113 LV de Guatemala; Guatemala City; Sp; mx & anmts, ID 0130; fair (Zabransky, Ill)

11700 9 VI "NS" R. Nacional; Quezaltenango; Sp; fair - bad QRM fr VOA (Caldwell, Calif)

HAITI

11833 3 VI 0058 R. Sta. 4VEH; Cap-Haitien; Eng; rel. prgr; poor
-severe QRM fr VOA @ 0130 (Zabransky, Ill)
15280 "NS" 1730 R. Sta. 4VEH; Cap-Haitien; no details reported;
excellent (Goltz, Penna)

HONDURAS

4820 5 VI 0355 LV Evangelica; Tegucigalpa; Eng; rel. prgr to
0400 s/off; poor (Redman, Ill). "NS", 0300;
Eng; rel. prgr; fair (Goltz, Penna)
6050 13 VI 0415 R. America; Tegucigalpa; Sp; nx & ID; fair
(Sparks, Calif)

MEXICO

6105 9 VI 0640 Sistema R. Yucatan; Merida; Sp; good mx; good
(Pilkington, Wash). "NS", 0300; Sp; ads & freq
IDs & mx; poor-bad QRM (Caldwell, Calif)
6115 "NS" 0103 R. Univ. de Sonora; Hermosillo; Eng. lang. lessons;
good (Thornton, Calif). 7 VI, 0200; Sp; classical
mx; fair - considerable QRM (Caldwell, Calif)
9515 28 V 1330 LV de la America Latina; Mexico, D.F.; Sp; talks
& LA mx; good (Seymour, NC)
11820 9 VI 0300 El Heraldo de Sonora; Hermosillo; Sp; nx & dia-
logue; good (Caldwell, Calif)
11880 11 VI 0300 Rdif. Comerciales; Mexico, D.F.; Sp; pop mx; good
to past 0345 (Caldwell, Calif)
15110 21 V 1940 Rdif. Comerciales; Mexico, D.F.; Sp; Mexican mx;
good (Redman, Ill). 10 VI, 0300; Sp; mx; fair
-quite bad QRM (Caldwell, Calif)

NICARAGUA

11875 21 V 2030 Rdif. Nacional; Managua; Sp; local mx, ID
as "R. Nacional de Nicaragua"; good (Redman,
Ill). 25 V, 0100; Sp; mx; poor-severe QRM
(Zabransky, Ill)

PERU

4815 9 VI 0413 R. Amazonas; Iquitos; Sp; Peruvian mx, TC & IDs;
poor - noisy (Williams, Ore)
5950 "NS" 0328 (tent.) R. Arequipa; Arequipa; Sp; LA mx, many ads,
tent. ID 0328/0331; poor - lots of QRM fr
TGNA & TIQ, "super poor" (Williams, Ore)
6045 5 VI 0230 R. Santa Rosa; Lima; Sp & Eng; mx & IDs both langs
; fair - considerable QRM (Caldwell, Calif)
6082 5 VI 0055 R. Nacional; Lima; Sp; talks & sev. IDs; poor
(Palmer, Mich). 30 V, 0230; Sp; local nx, ID
as "R. Nacional de Peru"; poor (Redman, Ill)
6095 9 & 11 VI 0330 (CRP: See June "SWL" re. the identity of this
sta; follow is a quote fr Dr Caldwell's re-
port for July "SWL"). "Sp. lang - freq IDs -
identifying R. Nacional, Lima. I am still
confused about this one - but IDs are clear
& frequent as "Radio Nacional" -at this time.
(Have been hearing them off & on - prior to
this with ID earlier as R. Mil Ochenta, Lima.
I am as confused as our astute Americana Ed.
"Pat" Patterson. Sorry no one else has been
able to unscramble this question mark. Their
IDs fr 0300-0400 concise as "R. Nacional".
Help" (end of quote)

PERU (cont'd)

9463 9 VI 0400 R. Continental de Arequipa; Arequipa; Sp; pop mx & ID (int. sig. w/ID is piano version of theme fr "Born Free"); fair (Sparks, Calif)

9562 "NS" 2332 R. Nacional; Lina; Sp; many, many IDs & light mx w/few ads; fair to good (Happell, Va) (CRP: Does this Govt sta have comml svc?). "NS", 0130; Sp; mx, freq IDs & cons to past 0230; fair (Caldwell, Calif)

9655 15 VI 0303 R. Nor Peruana; Chachapoyas; Sp; Peruvian & other LA mx, adds & clear ID 0303; poor -local conditions also poor (Williams, Ore)

VENEZUELA

4840 6 VI 1010 R. Valera; Valera; Sp; mx; fair (Fisher, Calif)

4890 "NS" 0203 Rdif. Venezuela; Caracas; Sp; NA & LA mx, very few IDs; very poor (Happell, Va)

4900 25 V 0129 R. Juventud; Barquisimeto; Sp; rock mx; good sig but suffered fr het (Kamp, Texas). 6 VI, 1030; Sp; mx; good (Fisher, Calif). "NS", 0144; Sp; "Tiempo Juventud", pop mx, TCs, ads includg. one for Coca Cola; good-excellent (Happell, Va)

4940 "N" 0104 R. Yaracuy; San Felipe; Sp; many IDs & ads. "Excellent verifier" sent Spanish form letter & 1 IRC on June 2 -received verification card on 15 June"; fair (Happell, Va)

QUIEN ES (Who is it) Department:

Our AS-LC Secretary Dave Thorne of Santa Ana, Calif writes: "Last Sunday (June 14) (June 15, GMT) I logged a station on 15275 Khz from 0051-0235 GMT that I cannot identify. I was looking for 4VEH. It is all Spanish, and the only thing I could understand was the Spanish "San Francisco", & "Victor". The "SF" sounds like it may have been KGEI but I do not think it is them as the signal is far too weak. (KGEI "booms" in here) also they ID in English and I also know their Sp. ID. LA Voz de la Victor is not connected with San Francisco as far as I know. Let me know via letter or card or thru the July "SWL". WRTVH is of no help on this one".

(CRP comment: I don't know who it is. Anyone got any ideas?)

CREDITS & COMMENT

Thanks very much to the following members who supplied the "meat" for this column. If your name appears below without your receiver being listed, please tell me about it in your next report:

Dr. Bill Caldwell
Robert W. Fisher
James J. Franklin
Gary S. Goltz
Eric Happell
Steve Kamp

Los Angeles, Calif.
Los Angeles, Calif.
Los Angeles, Calif.
Pittsburgh, Penna.
Lynchburg, Va.
Irving, Texas

Drake SW44
Zenith Portable
Realistic DX120

Chris Lobdell	Reading, Mass.	Drake SW4A
Stewart H. MacKenzie	Huntington Beach, Cal.	Hallicrafter SX28 Western Elec BC453
Tom Palmer	Detroit, Mich.	Hallicrafter S-200
Charles T. Pilkington	Seattle, Wash.	BC-348Q 1938 Zenith
Ronald E. Redman	Decatur, Ill.	Peerless 1660
Woody Seymour, Jr.	Sanford, N. C.	Realistic DX120 Realtone 2437
William S. Sparks	San Francisco, Calif.	Drake R-4B
David W. Thorne	Santa Ana, Calif.	Drake SW4A
Jin Thornton	Venice, Calif.	Collins 75S-3C
Dave Williams	Astoria, Ore.	Hallicrafter SX-122
Jin Zabransky, Jr.	Elmhurst, Ill.	Heathkit SB310

Thanks, again, to the 17 members listed above, both old timers and newcomers. Your contributions are wanted and are needed. If not all of your material is used, please don't feel offended. As before stated, data on the "powerhouses" of the Western Hemisphere such as VOA, R. Habana, R. Canada, XERMX, HCJB is not considered newsworthy and cannot be used unless something out of the ordinary is broadcast by those stations and the other "powerful ones" and logged by you.

Would certainly like to receive reports again from the following members who once reported to this column: Terry Adkins; Gerald W. Arrington; Ray Bacon; August Balbi; Carl Benton, Jr.; Thomas Christian; Steven P. d'Adolf; M. F. Dressler; Dan Ferguson; Bill Flynn; Art Glover; Rob Harrington; Glenn Hauser; Rev. E. Wayne Heck; Dan Henderson; Terry R. Hicks; Arvidas Jarasius; Mark Koukol; Ken Leslie; Bill Martin; Paul Mayo; Miss Ann E. Parker; Al Reynolds; Marvin E. Robbins; Edward Shaw; John T. Soneff, Jr.; Elbert H. West; Richard E. Wood; and Dennis Young. Come on, amigos, if you reported once, you can report again and again.

With his first report, young Mr. Tom Palmer of Detroit asks help in identifying music heard on short wave and reported in this bulletin. He writes, in part, "In looking through the column I see things like Ecuadorian mx., Racherero mx., etc. I'm sure that I'm not the only one who has no idea of the differences in these types of music." Tom, the only thing that I can suggest is that until you become more acquainted with these various music styles, is to simply report them as "Latin American music". Anyone else got any ideas.

All the best, amigos,

"Pat" Patterson
Assoc. Editor

EUROPE

CHRISTOPHER LOBDELL

AFRICA

149 WALNUT STREET

READING, MASS 01867

AUGUST DEADLINE: July 17th

SEPTEMBER DEADLINE: August 22nd

TIME IN:

GMT

ALBANIA:

6200 0300 R. Tirana: English to s/off @ 0355 (good 1 Jun)
(Caldwell-Ca)

AUSTRIA

6155 2305 Austrian R: mx (what language Art? crl)(good)(Getzel-NY)
6155 0030 Austrian R: "Report from Austria" in Eng //9770 (good 17
Jun)(Seymour-NC)
9770 0030 Austrian R: English (fair 15 Jun)(Zilmer-Wis)
15145 0030 Austrian R: English (good)(Hudson-Ala)
15145 0100 Austrian R: German mx + talks (fair 1 Jun)(Zabransky-
Ill)

BELGIUM

17715 2300 RTB, Brussels: "Belgium Speaking" in Eng till 2310
(poor)(MacKenzie-Ca)
17715 0050 RTB: "Belgium Speaking" in Eng (Seymour-NC) //15335
(good 11 Jun)(Zilmer-Wis)
17865 2000 RTB: French ID; into pop mx (Ferguson-Fla)

BULGARIA

9700 2130 R. Sofia: English program (poor)(Moser-Mich)
9700 0000 R. Sofia: English to ECNA (fair)(Hudson-Ala)
9700 0400 R. Sofia: English to WCNA (good 5 Jun)(Caldwell-Ca)

CZECHOSLOVAKIA

5930 0100 R. Prague: English to NA //11990 (exc)(Hudson-Ala)
6055 0700 R. Prague: English to Europe (good)(Getzel-NY)
7345 0100 R. Prague: English to NA (good-fair 1 Jun)(Zilmer-Wis)
11990 0300 R. Prague: English to WCNA (fair-good)(Caldwell-Ca)
17840 1628 R. Prague: IS; into Arabic @ 1630 (Ferguson-Fla)

DENMARK

15165 1850 R. Denmark: Danish program (v good 1 Jun)(Caldwell-Ca)
15165 2105 R. Denmark: Danish talks to s/off @ 2115 (fair)(MacKen-
zie-Ca)

FINLAND

15185 2300 FEB: "Finland In Focus" in English (good 12 Jun)(Seymour
-NC)

FRANCE

15120 0054 ORTF: French to NA (good 11 Jun)(Thornton-Ca)
15120 1930 ORTF: French program (exc 27 May)(Caldwell-Ca)
15295 2049 ORTF: English nx + mx (fair 21 May)(Pilkington-Wash)
21645 1600 ORTF: HS relay in French (exc 16 Jun)(Seymour-NC)

GERMANY-(East)

5955 0100 RBI: English nx + mx (exc)(Getzel-NY)
9650 0330 RBI: English nx + commtry to WCNA (exc 26 May)(Caldwell-
Ca)

GERMANY-(West)

6030 0645 SDR, Muhlacker: German talks + mx (Ferguson-Fla)
9735 0130 DW, Kolon: English program (good 20 May)(Zilmer-Wis) //
6040 + 6075 (good 17 Jun)(Seymour-NC)

EUROPE

GREAT BRITIAN

6110 0325 BBC: English program (good)(Ernest-Ohio)
 9410 0415 BBC: "The Morning Show" in Eng (good 16 Jun)(Seymour-NC)
 9915 0345 BBC: IS; English ID, into Russian @ 0347 (fair)(MacKenzie
 -Ca)
 11880 1500 BBC: English program (exc 26 May)(Pilkington-Wash)
 15070 0330 BBC: rock mx w/English anmts (fair)(Moser-Mich)
 15390 0715 CBC, London: English nx + commtry; relay using BBC xmtrs
 (poor 16 May)(Fisher-Ca)
 17810 0500 BBC: English nx to Africa (exc 15 Jun)(Rouse-Conn)
 21550 1300 BBC: English talks on stamps + travel (exc 3 Jun)
 (Franklin-Ca)

HOLLAND

11730 2128 R. Nederland: "His + Hers" in English (good 16 Jun)
 (Ernest-Ohio)
 15200 1800 R. Nederland: English nx to NA (good 16 Jun) "This is a
 nx program on Tues + Fri that is not normally reported,
 and I feel that some members do not know about it."
 (Seymour-NC)
 15425 2130 R. Nederland: English to NA (exc)(Goltz-Pa)
 21570 1830 R. Nederland: beamed to Africa (I assume English crl)
 (good)(Hudson-Ala)

HUNGARY

9833 0300 R. Budapest: English to WCNA (good 28 May)(Franklin-Ca)
 9833 0350 R. Budapest: Hungarian till 0400; then English (fair 26
 May)(MacKenzie-Ca)
 11910 0100 R. Budapest: English program (fair)(Moser-Mich) DX prog-
 ram (v good 1 Jun)(Caldwell-Ca)

ITALY

9575 0100 RAI: English to NA //11810 + 15410 (good 3 Jun)(Franklin-
 Ca)
 11810 0100 RAI: English program (fair)(Hudson-Ala)
 11810 0300 RAI: Spanish nx (good 28 May)(Caldwell-Ca)
 15340 0100 RAI: English to NA (exc)(Getzel-NY)
 15410 0100 RAI: English nx; then some mx (good)(Moser-Mich)(fair 14
 Jun)(Zilmer-Wis)(fair 17 Jun)(Seymour-NC)

LUXEMBOURG

6090 0344 R. Luxembourg, Villa Louvigny: IS; German ID into relig-
 ious program (fair 15 Jun)(Lobdell-Mass)

NORWAY

11860 0400 R. Norway: Eng ID; regional nx (good 15 Jun)(Glover-Wash)
 15175 0000 R. Norway: "Norway This Week" on Monday(GMT) (Seymour-NC
 + Getzel-NY)
 15185 0400 R. Norway: English on Sunday (Monday GMT crl) (fair)
 (Thorne-Ca)
 21730 1900 R. Norway: religious service in lang (good 7 Jun)(Cald-
 well-Ca)

POLAND

11815 0200 R. Warsaw: English ID; into Polish (fair-good 24 May)
 (Zilmer-Wis)

PORTUGAL

6025 0200 R. Portugal: English program (good)(Hudson-Ala)
 11935 0230 R. Portugal: English program (good)(Moser-Mich)(goo 28
 May)(Franklin-Ca)(good 15 May)(Pilkington-Wash)
 15125 0200 R. Portugal: English to ECNA //11935 + 6025 (good 11 Jun)
 (Thornton-Ca)

EUROPERUMANIA

- 11940 0200 R. Bucharest: English till 0230 (exc)(Goltz-Pa)(fair 14 Jun)(Zilmer-Wis)
 15245 0300 R. Bucharest: English s/on w/commtry (good 2 Jun)(Caldwell-Ca) Don't you mean 15250 kHz Bill? crl
 15250 0130 R. Bucharest: English to North America (exc)(Hudson-Ala)
 15285 0130 R. Bucharest: English to NA //11940 (good 4 Jun)(Franklin-Ca)

RSFSR (European)

- 7280 1130 R. Moscow: English program (exc 26 May)(Franklin-Ca)
 11870 0235 R. Moscow: English program (poor to rotten 18 Jun)(Ernest-Ohio)
 17900 1601 R. Moscow: s/on in Chinese or similar language (good 10 Jun)(MacKenzie-Ca)

SPAIN

- 6140 0100 RNE: English to NA (25 May)(Zilmer-Wis)
 9360 0245 RNE: Spanish mx + talks (poor)(MacKenzie-Ca)
 9370 1100 RNE: English s/off (exc 6 Jun)(Franklin-Ca)
 9760 0210 RNE: English nx (poor)(Getzel-NY)
 9760 0300 RNE: English w/Spanish tunes (good 29 May)(Caldwell-Ca)

SWEDEN

- 11705 0330 R. Sweden: pop mx w/English anmts (exc 4 Jun)(Caldwell-Ca)
 11825 0030 R. Sweden: Swedish mx (poor)(Moser-Mich)
 11825 0200 R. Sweden: pop show (good 14 Jun)(Seymour-NC)

SWITZERLAND

- 11715 0130 SBC, Berne: English to ECNA //9535, 11865 + 9535 (Thornton-Ca)(fair)(Moser-Mich)(good 18 Jun)(Ernest-Ohio)
 15305 0130 SBC: English to ECNA (exc 17 Jun)(Seymour-NC)
 17845 1100 SBC: English program (good)(Goltz-Pa)

VATICAN STATE

- 11725 0046 Vatican R: IS; English to NA (good 3 Jun)(Franklin-Ca)(good)(MacKenzie-Ca)
 15165 0054 Vatican R: English to NA; replaces 15285 //11725+17750 (good 11 Jun)(Balbi-Ca + Thornton-Ca)
 17750 0050 Vatican R: English program (v good 11 Jun)(Zilmer-Wis) The 11th of June was a good day for the Vatican! crl

YUGOSLAVIA

- 9620 1543 R. Beograd: native tunes w/English anmts (fair 9 Jun)(Pilkington-Wash)

AFRICAANGOLA

- 5960 2330 Voz de Angola: in Portuguese w/mx + many IDs (exc 16 May)(Palmer-Mich)

ASCENSION IS

- 11820 0300 BBC: English program (v good 4 Jun)(Caldwell-Ca)
 17740 1800 BBC: English nx //15400 + 15105 (fair-good 11 Jun)(Balbi-Ca)

BOTSWANA

- 4845 0445 RB, Gaborones: nx in vernaculars (fair 13 Jun)(Sparks-Ca)

CANARY IS

- 15360 0300 RNE, Tenerife: Spanish program (exc 29 May)(Caldwell-Ca)
 15360 0423 RNE: old US instrumentals w/Spanish anmts (good 31 May)(Patterson-Ga)

AFRICA

CONGO-(Rep)

- 4764 0430 RTC, Brazzaville: Afro mx (fair)(Sparks-Ca)
 9715 0708 RTC: nx in French (fair 10 Jun)(Pilkington-Wash)
 15190 1900 R. Brazzaville-ORTF: French nx (good 7 Jun)(Caldwell-Ca)
 15190 2015 R. Brazzaville-ORTF: "Paris Calling Africa" in English
 (fair)(Hudson-Ala)
 21580 2015 R. Brazzaville-ORTF: English nx relayed from Paris (good
 11 Jun)(Balbi-Ca)

ETHIOPIA

- 11795 0330 ETLF, Addis Ababa: English ID; into Malagache w/religious
 program (fair)(Thorne-Ca)
 11890 0317 ETLF: religious mx w/French + English anmts (good 15 May)
 (Pilkington-Ca)

GABON

- 4777 0440 RTG, Libreville: Afro mx (weak 13 Jun)(Sparks-Ca)

GHANA

- 11850 2000 R. Ghana, Ejura: English to NA (poor)(Hudson-Ala)(fair)
 (Moser-Mich)(fair 3 Jun)(Caldwell-Ca)(V good 16 Jun)
 (Seymour-NC)

GUINEA-(Equatorial)

- 4926 0500 R. Equatorial, Bata: Spanish + Afro mx w/Sp anmts (weak
 3 Jun)(Sparks-Ca)

LIBERIA

- 11950 0615 ELWA, Monrovia: s/on in English; BBC nx @ 0700 (fair 11
 Jun)(Balbi-Ca)

MALI

- 4783 0600 R. Mali, Bamako: morning sitting up exercises //4833
 (fair 13 Jun)(Sparks-Ca) in French, Bill? crl

MOROCCO

- 9615 2002 RTM, Tangier: HS in Arabic w/chanting, news + mx (fair 13
 Jun)(Lobdell-Mass)
 15185 0413 VOA, Tangier: in language w/English IDs (exc)(Thorne-Ca)
 15185 0515 VOA: IS + Eng ID; into Hungarian (good)(MacKenzie-Ca)
 15315 0230 VOA: English ID; into language (strong 11 Jun)(Balbi-Ca)

MOZAMBIQUE

- 3284 0450 R. Clube, Lourenço Marques: comm service in Eng + Afri-
 kaans w/pop mx + ADS (fair)(Sparks-Ca)

NIGERIA

- 11770 0600 VON, Lagos: English nx (exc)(Goltz-Pa)
 15255 1740 VON: Afro mx w/English anmts (poor 28 May)(Pilkington-
 Wash)
 15365 0600 VON: s/on in English; into nx //11770 + 7275 (fair 11
 Jun)(Balbi-Ca)(fair 26 May)(Zabransky-Ill)

RWANDA

- 15410 1100 DW, Kigali: prog in English (fair 28 May)(Zilmer-Wis)
 17800 0025 DW, Kigali(list): German to South America; VOA QRM
 (fair)(MacKenzie-Ca)

SEYCHELLES

- 15265 1400 FEBA, Victoria: in lang to s/off @ 1530 (poor 10 Jun)
 (Balbi-Ca)
 15265 1629 FEBA: Arabic(?) talks to 1629; then ID in English with
 s/off anmts (fair 17 Jun)(Glover-Ca) FEBA's latest sked
 lists a lang called Gujarati; an Indian dialect? crl

SOUTH AFRICA

- 3250 0430 SABC-Springbok Radio: pop mx w/anmts + ADS in English +
 Afrikaans (3 Jun)(Sparks-Ca)

Editor: Bill Ray, #52 Matilda Ave., Mill Valley, Calif. 94941

Using the Geographical Shortwave Reviews as a master file here is the same basic material in chronological order for your convenience. Time listings are within a half hour of those reported. Capital letters are new PO state abbreviations indicating origin of reports. Refer to Geographical listings for program material, signal strength and exact time details. Time is in GMT with space to write in local times. Use blank spaces to write in your own loggings.

0000

Chiles 9590 VA
Bulgaria 9700 AL
Norway 15175 NC NY
Brazil 15415 MA
Rwanda 17800 CA

0130 cont'd.

Brazil 15155 MA CA
Rumania 15250 AL
Rumania 15285 CA
Switzerld. 15305 NC

00300 Cont'd.

Hungary 9833 CA
Italy 11810 CA
Mexico 11820 CA
Ascension Is. 11820 CA
Mexico 11880 CA
Ethiopia 11890 CA
Czecho. 11990 CA
Rumania 15245 CA

0030

Brazil 6085 MA
Austria 6155 NC WI
Vatican 11725 CA
Sweden 11825 MI
Austria 15145 AL IL
Vatican 15165 CA
Vatican 17750 CA WI

0200

Bolivia 4755 CA
Venezuela 4890 VA
Bolivia 6005 CA
Portugal 6025 AL CA
Spain 9760 NY
Brazil 11795 CA
Poland 11815 WI
Sweden 11825 NC
Portugal 11935 CA
Rumania 11940 PA WI
Portugal 15125 CA

New Zealand 15280 CA
Italy 15340 NY
Canary Is. 15360 CA
Italy 15410 MI WI NC

0100

Venezuela 4940 VA
Czecho. 5930 AL
Germany (E) 5955 NY
Peru 6082 MI
Spain 6140 WI
Guatamala 6180 IL
Czecho. 7345 WI
Italy 9575 CA AL
Italy 11810 CA AL
Haiti 11833 IL
Hungary 11910 MI CA
France 15120 CA
Belgium 15335 WI
Italy 15410 CA AL
Belgium 17715 WI

0330

Brazil 4765 OR
Honduras 4820 PA
Peru 5950 OR
Luxembourg 6090 MA
Peru 6095 CA
Colombia 6095 CA
Great Britain 6110 OH
Chile 6115 CA
Colombia 6160 IL CA
Colombia 6183 IL
Unident. 7225 CA
Germany (E) 9650 CA
Brazil 9745 CA
Great Britain 9915 CA
Sweden 11705 CA
Ethiopia 11795 CA
Great Britain 15070 MI

0230

Peru 6045 CA
Argentina 6120 CA
Spain 9360 CA
UAR 9475 NY
El Salvador 9553 OR
RSFSR (Europe) 11870 OH
Lebanon 11925 NC CT
Portugal 11935 MI
Morocco 15315 CA
China 17890 WA

0130

Dominican Rep. 4825 TX
Venezuela 4900 TX CA VA
Brazil 6035 CA
Germany (W) 6040 WI NC
Mexico 6115 CA
Germany (W) WI NC
Germany (W) WI NC
Switzerld. 11715
OH CA MI

0300

Dominican Rep. 4795 CA
Dominican Rep. 4825 CA
Dominican Rep. 15010 CA
Colombia 6040 CA
Colombia 6075 IL
Albania 6200 CA
Dominican Rep. 9505 CA
Costa Rica 9615 CA VA
Peru 9655 OR
Chile 9750 CA
Spain 9760 CA

0400

Dominican Rep. 4795 OR
Peru 4815 OR
Honduras 6050 CA
Great Britain 9410 NC
Peru 9464 CA
Bulgaria 9700 CA
Hungary 9833 CA
Norway 11860 WA
Norway 15185 CA
Morocco 15185 CA
Kuwait 17750 CT

0400 Cont'd.

Unident. 17750 CA

0430So. Africa 3250 CA
Dominican Rep. 3364

OR CA

Congo Rep. 4764 CA

Gabon 4777 CA

Botswana 4845 CA

Colombia 4955 IL

Canary Is. 15360 GA

0500So. Africa 3320, 3952
3965 CA

Mozambique 3284 CA

Ecuador 4810 CA

Colombia 4915 OR

Guinea 4926 CA

Morocco 15185 CA

Gt. Britain 17810 CT

0530

Ecuador 4730 OR

Ecuador? 5040 CA

Togo 5047 PA

Tahiti 11825 WA

0600

Mali 4783 CA

Ecuador 4801 $\frac{1}{2}$ CA

Mali 4833 CA

New Caledonia 7170 CA

Nigeria 7275 CA IL

Nigeria 11770 PA CA IL

Liberia 11950 CA

Nigeria 15365 CA IL

So. Africa 17805 OH

0630

Germany (W) 6030 FL

Costa Rica 6050 IL

Mexico 6105 WA CA

N. Zealand 9540 WA

RSFSR (Asia) 12240

CA

0700

Czecho. 6055 NY

Australia 6150 GA

New Caledonia 7170 WA

Congo (Rep) 9715 WA

So. Africa 11935 CA

Australia 15355 CA

Gt. Britain 15390 CA

0730

Canada 6070 IL

New Caldeonia 7170 CA

Australia 17715 CA

0800

Brazil 4845 MA

Korea (N) 15150 CA

Australia 17715 WA

0830

Brazil 4865 MA

0900

Japan 6155 CA

Korea (S) 9640 CA

Japan 11750 CA

Indonesia 11770 CA

New Zealand 11830 PA

Japan 15260 CA

Korea (S) 15430 CA

0930Nothing reported, take
a snooze.1000

Papua 3335 CA

Venezuela 4840 CA

1030

New Caledonia 7170 GA

New Zealand 9520 GA

Philippines 9715 GA

1100

Solomon Is. 3322 CA

Malaysia 6175 GA

Spain 9370 CA

Australia 9610 NC

Rwanda 15410 WI

Ceylon 17830 IL

Switzerland 17845 PA

1130

Laos 6755 Thailand

RSFSR (Europe) 7280CA

Chile 9570 CA

1200

Costa Rica 9645 CA

Uzbek 11925 IN

1230

Indonesia 3346 CA

Japan 3925 CA

Ecuador? 4750 CA

Sabah 4969 CA

Sarawak 7145 Thaild.

1300

Indonesia 4750 CA

Papua 4890 CA

Australia 4920 CA

India 6085 CA

Gt. Britain 21550 CA

1330

Indonesia 4900 CA

Sarawak 4950 CA

Indonesia 5030 CA

Malaysia 5965 CA

Mexico 9515 NC

Philippines 11920 CA

1400

Papua 4890 CA

India 9575 CA

Japan 9595 CA

PR China 95095 CA

So. Africa 15220 CA

Seychelles 15265 CA

1430

Malaysia 7120 CA
 Ryukyu Is. 7165 CA
 Philippines 9605 IN
 Korea (N) 15095 IN

1500

Indonesia 4855 CA
 Gt. Britain 118800 WA
 Korea (N) 15180 CA
 Philippines 15440 CA

1530

Indonesia 4855 CA
 Yugoslavia 9620 WA
 Singapore 11940 CA
 Iran 15085 WA
 Unident. 17940 CA

1600

Tahiti 11825 CA
 Iran 15084 WA
 RSFSR (Europe)
 17900 CA
 France 21645 NC

1630

Iran 15085 WA
 Ceylon 15120 CA IN
 Seychelles 15265 WA
 Czecho. 17840 FL

1700

Iran 15085 WA
 Kuwait 15345 CA

1730

Ryukyu Is. 14460 WA
 Malaysia 15070 CA
 India 15080 MA
 Iran 15085 WA
 Nigeria 15255 WA
 Haiti 15280 PA
 Kuwait 15345 CA

1800

Australia 11840 CA
 Iran 15085 WA
 Holland 15200 NC
 Kuwait 15345 CA MA
 Ascension Is. 17740 CA

1830

Iran 15085 WA
 Kuwait 15345 CA
 Holland 21570 AL

1900

Iran 15085 WA
 Denmark 15165 CA
 Congo (Rep.) 15190 CA
 Kuwait 15345 CA
 Japan 17785 CA
 Norway 21730 CA

1930

Iran 15085 CA WA
 Mexico 15110 IL CA
 France 15120 CA
 Kuwait 15345 CA
 Japan 15420 WA

2000

Morocco 9615 MA
 Vietnam (N) 10045 CA
 Ghana 11850 AL MI CA NC
 Vietnam (N) 12025 CA
 Vietnam (N) 15025 CA
 Iran 15085 IL WA
 Congo (Rep.) 15190 AL
 Kuwait 15345 CA
 Congo (Rep.) 21580 CA
 Belgium 17865 FL

2030

Israel 9624 PA
 Nicaragua 11875 IL

2100

Iran 15085 WA
 Denmark 15165 CA
 So. Africa 15175 WI
 France 15295 WA

2130

Bulgaria 9700 MI
 Holland 11730 OH
 Holland 15425 PA

2200

Turkey 15160 IL

2240

Brazil 15105 WA

2300

Austria 6155 NY
 RSFSR 15150 (Asia) CA
 Finland 15185 NC
 Belgium 17715 CA

2330

Angola 5960 MI
 Brazil 6000 IL
 Canada 6130 MI
 Peru 9562 CA

3250 So. Africa 0430 CA	6000 Brazil 2330 IL	9360 Spain 0230 CA
3284 Mozambique 0400 CA	6005 Bolivia 0200 CA	9370 Spain 1100 CA
3320 So. Africa 0500 CA	6025 Portugal 0200 ALCA	9410 Gt. Britain 0400 NC
3332 Solomon Is. 1100 CA	6030 Germany (W) FL	
3335 Papua 1000 CA	0600	9463 Peru 0400 CA
3364 Dominican 0430 OR CA	6035 Brazil 0130 CA	9475 UAR 0230 NY
	6040 Germany (W) 0130 WI NC	9505 Dominican CA 0300
3952 So. Africa 0500 CA	6040 Colombia 0300 CA	9515 Mexico 1330 NC
3965 So. Africa 0500 CA	6045 Peru 0230 CA	9520 New Zealand GA 1030
	6050 Honduras 0400 CA	
4730 Ecuador 0500 OR	6050 Costa Rica 0630 IL	9540 New Zealand 0630 WA
4750 Ecuador? 1230 CA	6055 Czecho. 1700 NY	
4750 Indonesia 1300 CA	6070 Canada 0730 IL	9553 El Salvador 0230 OR
4755 Bolivia 0200 CA	6075 Colombia 0300 IL	
4764 Congo 0430 CA	6075 Germany (W) 0130 NC W I	9562 Peru 2330 CA
4765 Brazil 0330 OR		9570 Chile 1130 CA
4777 Gabon 0430 CA	6082 Peru 0100 MI	9575 India 1400 CA
4783 Mali 0600 CA	6085 India 1300 CA	9575 Italy 0100 CA AL
4795 Dominican OR CA 0300 0400	6085 Brazil 0030 MA	9575 Japan 1400 CA
	6090 Luxembg. 1330 MA	9590 Chile 0000 VA
4801 ¹ / ₂ Ecuador 0600 CA	6095 Colombia 0330 CA	9605 Philippines 1430 IN
4810 Ecuador 0500 CA	6095 Peru 0330 CA	
4815 Peru 0400 OR	6105 Mexico 0630 WA CA	9610 Australia 1100 NC
4815 Colombia 0500 OR	6110 Gt. Britain 0330 OH	
4820 Honduras 0330 PA	6115 Mexico 0130 CA	9615 Costa Rica 1300 CA VA
4825 Dominican 0130 TX	6115 Chile 0330 CA	
" " 0130 0300 CA	6120 Argentina 0230 CA	9615 Morocco 2000 MA
4883 Mali 0500 CA	6130 Brazil 2330 IL	9620 Yugoslavia 1530 WA
4840 Venezuela 100 CA	6140 Spain 0100 WI	
4845 Botswana 0430 CA	6150 Australia 0700 GA	9625 Israel 2030 PA
4845 Brazil 0800 MA	6155 Japan 0900 CA	9650 Korea (S) 0900 CA
4850 Indonesia 1500 CA	6155 Austria 2300 NY	
4865 Brazil 0830 MA	6155 Austria 0030 NY WI	9645 Costa Rica 1200 CA
4890 Papua 1300 1400 CA	6160 Colombia 0330 IL C A	9650 Germany (E) CA 0330
4890 Venezuela 0200 VA		
4900 Venezuela 0130 TX CA VA	6175 Malaysia 1100 GA	9655 Peru 0300 OR
	6180 Guatamala IL 0100	9700 Bulgaria 0000 AL
4900 Indonesia 1330 CA	6183 Colombia 0330 IL	" " 0400 MI
4920 Australia 1300 CA	6200 Albania 0300 CA	" " 2130 MI
4926 Guinea 0500 CA	6755 Laos 1130 Thailand.	
4940 Venezuela 0100 VA		9715 Philippines CA 1030
4950 Sarawak 1330 CA	7120 Malaysia 1430 CA	9715 Congo Rep. 0700 WA
4955 Colombia 0430 IL	7145 Sarawak 1230 Thailand	
4969 Sabah 1230 CA		9735 Germany (W) 0130 WI NC
5010 Dominican 0300 CA	7165 Ryukyu Is. 1430 CA	9745 Brazil 0330 CA
5030 Indonesia 1330 CA	7170 New Caledonia 0600 CA, 0700 WA 1730 CA, 1030 GA	9750 Chile 0300 CA
5040 Ecuador? 0530 CA		9760 Spain 0200 NY
5047 Togo 0530 PA	7225 Unident. 0330 CA	" " 0300 CA
5930 Czecho. 0100 AL	7275 Nigeria 0600 CA IL	9770 Austria 0300 NC WI
5050 Peru 0330 OR		
5955 Germany (E) NY 0100	7280 RSFSR (Europe) 1130 CA	9833 Hungary 0300 CA
		" " 0400 CA
5960 Angola 2330 MI	7345 Czecho. 0100 WI	9915 Gt. Britain 0330 CA
5965 Malaysia 1330 CA		10045 Vietnam (N) CA 2000

11705 Sweden 0330 CA	14460 Ryukyu Is. 1730 WA	15345 Kuwait CA
11715 Switzerland 0130 CA MI OH	15025 Vietnam(N) CA	1700-2100
11725 Vatican 0030 CA	15070 Gt.Britain 0330 MI	15355 Australia 0700 CA
11730 Holland 2130 OH	15070 Malaysia 1730 CA	15360 Canary Is. 0300 CA
11750 Japan 0900 CA	15080 India 1730 MA	" " 0430 GA
11770 Nigeria 0600 P A CA IL	15085 Iran WA CA 1530-2130	15365 Nigeria 0600 CA IL
11770 Indonesia 0900 CA	15095 PR China 1400 CA	15390 Gt.Britain 1700 CA
11795 Brazil 0200 CA	15095 Korea (N) 1430 IN	15400 Ascension Is. 1800 CA
11795 Ethiopia 0330 CA	15105 Brazil 2230 WA	15410 Rwanda 1100 WI
11810 Italy 0300 CA	15110 Mexico 1930 IL CA	15410 Italy 0300 MI WI NC
" " 0100 CA AL	15120 France 1930 CA	15410 Italy 0100 CA AL
11815 Poland 0200 WI	" " 0100 CA	15415 Brazil 0000 MA
11820 Mexico 0300 CA	15120 Ceylon 1630 CA IN	15420 Japan 1930 WA
11820 Ascension Is. 0300 CA	15125 Portugal 0200 CA	15425 Holland 2130 PA
11825 Tahiti 0530 WA	15145 Austria AL IL 0030	15430 Korea (S) CA 0900
" " 1600 CA	15150 RSFSR (Asia) 2300 CA	15440 Philippines CA 1500
11825 Sweden 0200 N C	15150 Korea (N) 0800 CA	17715 Australia 0730 CA 0800 WA
" " 0300 MI	15155 Brazil 0130 CA MA	17715 Belgium 0100 WI " " 2300 CA
11830 New Zealand 0900 PA	15160 Turkey 2200 IL	17740 Ascension Is. 1800 CA
11833 Haiti 0100 IL	15165 Vatican 0030 CA	17750 Kuwait 0400 CT
11840 Australia C A 1800	15165 Denmark 1900 CA " " 2100 CA	17750 Vatican 0030 CA WI
11850 Ghana 2000 AL MI	15175 So.Africa 2100 WI	17750 Uniden. 0400 CA
" " " CA NC	15175 Norway 0000 NC NY	17785 Japan 1900 CA
11860 Norway 0400 WA	15180 Korea (N) 1500 CA	17785 Ceylon 1100 IL
11870 RSFSR (Europe) 0230 OH	15185 Norway 0400 CA	17800 Rwanda 0000 CA
11875 Nicaragua 2030 IL	15185 Morocco 0400 CA	17805 So.Africa 0600 OH
11880 Mexico 0300 CA	15185 Morocco 0500 CA	17810 Gt.Britain 0500 CT
11880 Gt.Britain 1500 WA	15185 Finland 2300 NC	17840 Czecho. 1630 FL
11890 Ethiopia 0300 CA	15190 C ongo Rep. " " 1900 CA	17745 Switzer. 1100 PA
11910 Hungary 0100 MI CA	" " 2000 AL	17865 Belgium 2000 FL
11920 Philippines CA 1330	15200 Holland 1800 NC	17890 China 0230 WA
11925 Uzbek 1200 IN	15220 So.Africa 1400 CA	17900 RSFSR (Europe) 1600 CA
11925 Lebanon NC CT 0230	15245 Rumania 0300 CA	17940 Uniden. 1530 CA
11935 S.Africa 1700 CA	15250 Rumania 0130 AL	21550 Gt. Britain 1300 CA
11935 Portugal 0200 CA MI	15255 Nigeria 1730 WA	21570 Holland 1830 AL
11940 Singapr. CA 1530	15260 Japan 0900 CA	21580 Congo Rep. CA 2000
11940 Rumania 0200 PAWI	15265 Seychelles " " 1630 WA	21645 France 1600 NC
11950 Liberia 0600 CA	" " 1400 CA	21730 Norway 1900 CA
11990 Czecho. 0300 CA	15280 Haiti 1730 PA	
12025 Vietnam (N) CA 2000	15280 New Zealand CA 1300	
12240 RSFSR (Asia) 0630 CA	15285 Rumania 0130 CA	
	15295 France 2100 WA	
	15305 Switzerland 0130 NC	
	15315 Morocco 0230 CA	
	15340 Italy 0300 NY	

 Associate Editor: Michael Macken, 64 Court Road, Winthrop, Massachusetts, 02152.

Deadline for SWR STATION DATA: 20th of each month

STATION DATA

SWITZERLAND. SBC has as most of you have noted by this time a great change in their broadcasting schedule. French, German, Spanish, and Portuguese will appear now for thirty minutes, while the Italian will last only fifteen minutes. English will be broadcast at 0700, 0845, 1100, 1315, 1515, 2000, 0130, and 0400. The following statement was issued "SBC's heads of programs and their teams, together with their department chiefs and the management, trust that our new broadcasting format which now has come into effect, constitutes another step forward in meeting your desire for complete and up to date information and news coverage from SBC. They are at your disposal to answer any questions and welcome your remarks and suggestions." The new schedule is as follows; to South America at 2300-0115 on 17830, 15305, 11880 and 11720. To North and Central America from 0130-0345 on 11865, 11715, 15305 and 9535. To WCNA from 0400-0545 on 11715 and 9535. To Africa from 0600-0645 on 17795, 15430, 15305, and 11715. To Africa (European Service) from 1100-1300 on 21520, 15430, 17795 and 15305 and again from 1745-2245 on 15305, 15430, 11865 and 11720. To Australia and New Zealand from 0700-0915 on 21520, 11775 and 9590. To the Far East & India from 1315-1500 21520, 17845, 15430 and 15305. To the Near & Middle East from 1515-1730 on 21520, 17830 and 15305. Omnidirectional from 0600-2245 on 9535, and 6165 and also from 1500-2245 on 3985. (Terry Ray Hicks-Florida, Steven P. D'Adolf-Marshall Islands & Woody Seymour-N.C.)

MEXICO. Radio Mexico now broadcasts on the three frequencies of 9745, 11718, and 15125. English newscasts may be heard at various times and the s/of may run past the listed 0600 s/of with reports to P.O. Box 20-100 Mexico City, D.F. MJM (Jack Widner-Indiana) (Rest assured that you will at least receive Spanish records.)

SAUDI ARABIA. Mr. Storg tells us that English and French may be heard, with English from 0430-0530, 1100-1200 and 1700-2000, while French from 0600-0800 and 2000 2200 all on 11855. (Robert W. Fisher-California)

FRENCH GUIANA. ORTF two transmitters of four kilowatts each with 6170 in use Monday thru Friday 0300-0530; Saturday, 0300-0600; Sundays and holidays 1200-0830. Frequency of 3385 Monday through Friday 0915-1100 and 0830-0100; Saturday 0830-0200 and on Sundays from 1000-1200 and 0830-0100 (Robert Fisher-California)

TAHITI. ORTF station may be heard on 6135 and 11825 with some variation from the one given in the latest WRTH especially for Sunday transmissions. Bilingual programs may be heard on Sundays, which is something new. Every day French from 0500-0800; Tahitian 0300-0500. Weekdays from 1900-2100 and 2140-2330 in French and Tahitian 2100-2140. Sundays and holidays with French 1615-1850 and 2145-2330. Tahitian 1850-2145. (Robert Fisher-California.)

DENMARK. Radio Denmark has these three all-Danish transmissions to North America. From 1200-1245 on 15165; from 0100-0145 on 9710 and from 0230-0315 on 11790. From a recent letter from the letter they stated that, "at the present time there are no plans to resume the English language transmissions." (Terry R. Hicks-Florida) Another letter, "Thank you very much for your kind letter and the closed tape, which evidently is a recording of our Danish transmission, therefore we are enclosing a QSL card, even though we have officially stopped our QSL Service. When making an exception in this case, the primary and main reason is that you are writing in Danish. (Robert W. Fisher-California)

SHORT WAVE REVIEW
STATION DATA

GREECE. NHBI, Athens now has transmissions in English at 0700-0815, 1030-1300, 1330-1515, 1630-1700 and 1830-1900 on 7295 and 9605; 0900-1000 except Mondays on 9605 and 11720; 1730-1800, 1930-2100, 2200-2230 and 2300-2330 on 11720 and 15345, valid until September fifth and programs are not all in English as indicated above. (Terry Hicks-Florida)

UZBEK. Radio Tashkent may be heard in English at 1200 & 1400 in half hour segments on the frequencies of 11925 and 9600. Reports are wanted. (Steven P. D'Adolf)

SWEDEN. Radio Sweden English schedule valid until September 6 indicates half hour segments at 1100 on 9625 and 15315; 1230 on 15105 and 21690; 1400 on 15315 and 17840; 1600 on 6065 and 15240; 1900 on 11705 and 15240; 2045 on 6065 and 11705; 2245 on 11705 and 15310; 0030 on 11825; 0200 on 11825 again; 0330 on 11705 and 0515 on 17840. (Edward Colby-Massachusetts & Syven P. D'Adolf-Marshall Islands)

POLAND. Radio Warsaw has a special English language program to North America from 0315-0345 on our Friday nites English may also be heard in half hour segments at 0630 on 9540 and 7125; 1100 on 11800, 9675 and 7145; 1830 on 9675, 7145 and 6135; 1930 on 9525 and 7125; 2030 on 9675, 7145 and 6135 and 2230 on 9540, 7285, 7270, 7125 and 5995. Valid until November this schedule and frequencies and times of above are for Europe. (Steven P. D'Adolf-Marshall Islands)

KOREA, NORTH. Radio Pyongyang may be heard in English in one hour segments at 1900 on 6540 and 9615; 0200 on 6540 and 15520; 0800 on 9615 and 11765 and 1400 on 9615 and 11765. (Robert Fisher-California)

ITALY. Radio Roma schedule until August to North America from 0100-0120 on 15410 and 11810, to Japan from 2200-2225 on 17740, 15230 and 11905, to South Asia from 0350-0410 on 21560, 17795 and 15340, to Great Britain from 1935-1955 on 11800, 9710 and 7275, to Mediterranean Area 0425-0440 on 7275 and 5990; to Near East 2 2025-2045 on 11800, 9575 and 7235. (Edward Colby-Mass & Art Glover-Wash) (W. Seymour)

CUBA. Radio Habana may be heard with English 2010-2140 on 17840; 2050-2150 on 17715 and 11970; 0100-0450 on 9525; 0100-0600 on 11865; 0330-0600 on 11760 and 0630-0800 on 9525. (Art Glover-Washington)

KUWAIT. Radio Kuwait in Arabic 0400-0735, 0900-2115 (Fri 0400-2115) on 6055, 9520, 9570, 11825, 11940, 15150, 17757, 21525, 21685 and 21745 to Arab Countries. Arabic to Europe 0900-1100 (Fri 0800-1100) on 21605. English 0400-0900, 1600-2100 on 4967.5 and 15345, 0400-0600 to India and Pakistan on 17750 and 0630-0900 on 15345 again. (Bill Flynn-California)

U.A.R. Latest schedule shows English to North America daily on 9475 from 0200-0330, with schedules and verifications available from the UAR Department of Propagation, P.O. Box 1186 in Cairo. (Woody Seymour-North Carolina) (Ron Bruns-Mo)

EAST GERMANY. Radio Berlin International may be heard with English 0100 on 9730 and 0230 on 9560 to the ECNA. To the WCNA at 0330 on 9730, 11840 and 9650. (Ron Burns-Missouri)

AUSTRIA. Austrian Radio to North America 0000-0100 and 2300-0400 on 6155 and 9770 (Ron Burns-Missouri and Woody Seymour-North Carolina)

COMMENTS. It has come time here for a change and next month will be the last Station Data done by yours truly and anyone interested in taking over is welcomed to drop me a line or headquarters.

Editor: Paul Mayo, 2409 Ocean Parkway, Brooklyn, New York 11235

Deadlines: For August "SWL": July 21 For Sept "SWL": August 27

From The Log

North & Central America

BARBADOS:

10605 2216 C&W Ltd, Bridgetown SSB Eng TT (Koukol)

BERMUDA:

5765 0450 C&W Ltd, St Georges SSB Eng TT (Handler)

10635 2220 " " " " " " " (Koukol)

13115a 2221 " " " " " " " (Koukol)

CANADA:

2582 0600 VBC, Wireton Ont, Cove Island Wx (Handler)

JAMACIA:

8837 0045 6YK, Jamacia Aeradio, w/Avianca 20 (Kamp)

MEXICO:

24580 2232 Mexico City PTT, SSB Eng/Sp TT (Koukol)

U.S.A.:

2182 0630 NML, USCG-St Louis w/WX BC, (fair) (Kamp)

2192 0537 Miami CG w/boat Wind Song(Mayday) (Handler)

2558 0547 WEH, Wilmington, Del w/USG Garcia (Handler)

7500 1307 KMI, Oakland, CA SSB Eng TT (Handler)

8800a 0704 WOM, Ojus Radio, Miami, FLA AM Eng TT (Good) (Kamp)

9340 0425 ATT, White Plains, NY AM Eng TT (Poor) (MacKenzie)

13344 2205 KSF70 Oakland Aero AM WX BC (Good) (MacKenzie)

13190a 2312 Andrews AFB, SSB W/ flight #60133 (Koukol)

16180 1700 NSS, MD, time pips & CW mkr (Koukol)

South America

ARGENTINA:

13100 2316 LOL, Buenos Aries CW "V" Mkr (Koukol)

BRAZIL:

20780 2256 ENBRATEL, Rio (Empresso Brasileiras Telecomunicaciones, Ex- ITT) SSB Eng/Sp TT (Koukol)

GUYANA:

8837 0615 Georgetown Aeradio w/Piarco, Trinidad (Kamp)

10528 0314 8RB47, C&W Ltd, Georgetown SSB Eng TT (Good) (Kamp)

10528 0515 " " " " " " " (Fair) (MacKenzie)

10528 2240 " " " " " " " (Koukol)

PERU:

10970 2234 All Amer C&R (AACR), Lima AM Eng/Sp TT (Koukol)

TRINIDAD:

14975 2243 9YD69, C&W Ltd SSB Eng TT (Fair) (MacKenzie)

VENEZUELA:

8945 0345 Ven Tel Co, Caracas AM Sp/Eng TT (MacKenzie)

8990 ? " " " " " " " SSB " " " (Gaynor)

Europe

ENGLAND:

8800 ? British P.O. SSB Eng TT (Gaynor)

FRANCE:

18770 2247 FTS, Paris SSB Eng/Fr TT (Koukol)

NETHERLANDS:

14510 0015 Netherlands PTT SSB Eng Newsfeed to Bonaire (Gaynor)

GREECE: (sorry!)

13005 2319 SVA, Athens CW CQ mkr (Koukol)

Africa

ALGERIA:

8820 0325 FNA, Algiers Aeradio w/PAA Clipper 582(Good)(Kamp)

ANGOLA:

8820 0250 Luanda Aeradio w/ PAA Clipper 233 (Fair)(Kamp)

CONGO, REPUBLIC OF:

8820 0408 Brazzaville aeradio w/ Kano ,Nigeria (Good)(Kamp)

GABON:

15735 2145 FCR, Libreville SSB Fr TT (Koukol)

IVORY COAST:

19850a 2251 FCR, Abidjan SSB Fr TT (Koukol)

LIBERIA:

13128 2225 ELC, Monrovia CW CQ Mkr (Koukol)

MAURITIUS:

12988.5 2322 GZC, British Royal Navy CW "V" Mkr (Koukol)

SENEGAL:

8896.5 0545 Dakar Volmet, Dakar w/ WX BC (GOOD) (MacKenzie)

Asia

JAPAN:

18505 0200 KDD, Tokyo SSB Eng/Japanese TT (Gaynor)

HONG KONG: (Sorry!)

18862.5 2345 ZE089, C&W LTD. SSB Eng TT(Fair)(MacKenzie)

SOUTH KOREA:

19900 0320 HLA94, KITO, Seoul SSB Eng TT(Fair)(MacKenzie)

TAIWAN:

10105 0345 All Amer C&R, SSB Eng TT "Location near Taiwan"(MacKenzie)

Oceania

AUSTRALIA:

8871 1153 VZDN, Darwin Aeradiow/PAA Clipper 492 (good) (Kamp)

12000 0629 VNG, Lyndhurst, Time stn (Fair) (MacKenzie)

12000 0745 " " " " " (Kamp)

22473 2205 VIS, Sydney CW "V" mkr (Koukol)

NEW ZEALAND:

19900 0307 NZPO, Wellington SSB Eng TT w/Mel Mirr(Handle)

20810 2258 " " " " " (Koukol)

20810 0325 " " " " " (MacKenzie)

Unidentified????????

8819 0615 unknown air tfc weak in Fr (MacKenzie)

8905a 2337 J3R w/CW-"V" mkr Qth???

11230a 0211 "Queensland"w/Eng SSB counting test (Koukol)

QSLs

AUSTRALIA:VSZY, Sydney Aer, returned prepared card in 15 days air,
SAE & 4 IRCS sentAddr: Sydney Aeradio, Dept of Civil Aviation,
Box 41, Mascot, NSW, AUSTRALIA (Kamp)VZDN, Darwin Aeradio(8871), returned prepared card in 14 day
air, Sae&Mint stamps sent. (Kamp)

Addr: Darwin Aeradio, Box 315, Darwin Northern Terr.

GUYANA: 8RB47 C&W WI Ltd Sent form letter w/ full info in 14 days,
Air, 3 IRCS SAE sent. V/s J W Steel; Addr in May CCC, Tnx
to Mahler for tip & Addr. (Kamp)GABON FCR, Libreville(Addr: B.P. 1120) sent plain card w/full info
in Fr in 17 days air, Fr rpt & 2 IRCS; PFC sent but not
used. (Koukol)

KENYA: East African External Telecommunications CO, 5YF46(10502.5)
 Sent air letter in 10 days, 3 IRCs; V?S Ngong, EIC(Steele)
 Addr Box 30488, Nairobi

NIGER: 5UA, Niamey Aeradio returned PFS in 2 months Air, Sent Mint s
 Stamps & SAE. (Kamp)

SAUDI ARABIA: Ministry of Comm, (9867), HZQ986, sent registered letter
 in 42 days wfull info. V/S M Mirdad; Addr per CCC(Steele)

CCC SCOREBOARD

COUNTRIES HEARD

COUNTRIES VERIFIED

MAYO 105
 KOUKOL 103
 WIDNER 38
 CHRISTIAN 36
 STEELE 35

MacKenzie 54
 Koukol 38
 Steele 14
 Mayo 11
 Christian 10
 Widner 2

An update every other month

Thanks this month to:

Tom Christian, Seattle, Washington (R-530)
 Les Gaynor, Oak Park, Michigan (SX-100)
 Steve Handler, Evanston, Ill. (????)
 Steve Kamp, Irving, Texas (????)
 Mark Koukol, Naperville, Ill. (SX-130)
 Stewart MacKenzie, Huntington Beach, California (SX-28)
 Gary Steele, Benton Harbor, Michigan (HQ-145)
 Jack Widner, Indianapolis, Indiana (Star Roamer)

FREE

Anyone who wants a set of supplements to 1967 ITU List of Coast Station
(You pay postage) write to: Mark Koukol, 1232 N. Eagle St, Naperville, I
Ill, 60540.

I need the Address to the following stations for a future list of Utility
Addresses.

Radiografica Costarricense	Netherlands PTT
ENTEL, Brazil	Swiss T&T Adm
Trans Radio, Argentina	Moscow R&T
ERTT, Equador	FCR, Cameroun
ANTELCO, Paraguay	
AACR, Peru	
Piarco Aeradio, Trinidad	
PTA, Austria	
Deutsche Bund, W Ger	
Italia Cable	
Maritime R&T, Italy	

Also :Please whenever you report a QSL INCLUDE the Address.

The loggings section was typed a few days early, so some reports were
not included. They will be included next month.

Til next month 73s

Paul

Addresses to the above stations and other utility stations are available from ur
 Publisher. When writing for an address please enclose a self-addressed-stamped
 envelope (SASE). Remember to report all new addresses to Paul. It may develop into
 a special address book for the utility hunters. Good listening..... VPE6AA
 Publisher: 16182 Ballad Lane-Huntington Beach-California-92649

INTERNATIONAL HIGH FREQUENCY SERVICE

Aeradio frequencies are due to be changed shortly. Below is a list of aeradio frequencies that show present channels and those in use after the conversion date. Column (A) is the channels now in use. Column (B) channels in effect at 0001 GMT on 17 September 1970. All frequencies are in kHz. Info via the FCC.

Central East Pacific (CEP)

(A)	(B)	(A)	(B)
3467	nc	6679.5	nc
5554	nc	8879.5	nc
5603	nc	13336	nc
8931	nc	17909	nc/Secondary basis
5551.5	nc	11299.5	nc
8930.5	nc	13304.5	nc
6612	8875	13334.5	nc

Central West Pacific (CWP)

2966	2896	5505	nc
5536.5	6631	11303	nc
8862.5	8854	13296	nc
4675	nc	17909	nc

North Pacific (NP)

2910	nc	13264	nc
5589	nc	17909	nc
8939	8938		

South Pacific (SP)

2945	nc	13304	nc
5641.5	5638	17909	nc/Secondary basis
8845.5	8847		

North Atlantic (NA)

2868	nc	5641.5	5638
2931	nc	8862.5	8854
2945	nc	8888	8889
2987	nc	8913.5	8910
5610	nc	13288	nc
5624	nc	13328	nc
5673	nc	13352	nc
17965	Secondary basis.	17966.5	nc

Europe (EU)

2910	nc	8930.5	nc
3467	nc	4654.5	6568
4689	nc	6552	8875
5554	nc	8871	nc
6582	nc	11303	nc
8931	nc	17965	nc/Secondary basis.

South America-Vest (SAM-1)

2889	nc	8820	8826
4696	nc	11343	nc
6664.5	6666	17925	nc/Secondary basis.

The above frequencies are Major World Air Route Areas (MWARA) only. The symbol nc means no change in that frequency. Your comments are very much welcomed.

QSL
CORNER

Editors: Bill Flynn, WPE6AF, P. O. Box 473, Mountain View, CA 94040
Gary Steele, WPE8KEQ, 290 Elmside, Benton Harbor, MI 49022

QSL
CORNER

Deadline: For QSL's received reports: 15th of preceding month.

B B C WORLD RADIO CLUB

Although outdated information by the time you see this, the BBC World Radio Club sponsored another of their verification contests from May 15th to June 30th, inclusive. Twelve correct reports - 3 for each of the 4 BBC Relay sites, mailed in one envelope with your BEC WRC membership number noted, will merit true verification certificates for each of the 4 BBC Sites.

THE BOLIVIAN SCENE

Check out POPULAR ELECTRONICS of July 1970 for informative material on QSL's from this Latin American republic. We might cover other Latin American countries similarly in QSL CORNER. Project leader, anyone?

THE VERIFICATION MATERIAL

Much material on hand, as I missed a session - so without further ado - thanks to 19 reporters covering 80 countries this July issue!

NORTH & CENTRAL AMERICA & CARIBBEAN

ALASKA: (UTES) KIS70, Anchorage Radio, 8905 Friendly L describes service /s/ Thomas Cianfrani, Facility Chief. Gives date, verification statement. 7D air, MS returned. (Koukol) Anchorage IFSS, 8939: L - full data 10D air. SAE & MS sent, now used. (Kamp) L in 10D with full details from Anchorage, 8905. (Tordoff)

ANTILLES, N W I: TWR, 11815: "Xmtr Bldgs" C & blue/white pennant - 2 1/2 M (Hudson). R Nederland "Happy Station", 11730 - special '70 C (date, time, freq) + sked - 46D air. (Colby) "Happy Station" C - 1M. (Sparks)

CANADA: CJCX, 6010: white C w/ date - 8D. 1 IRC. (Colby) CKFX, 6080 (10 watts): L /s/ Robert Eye, Prgm Mgr - 2nd rpt - 2M. Returned IRC's from both ppts. This is correct SW call, not "CFKX" per WRTH. (Haynes). R CANADA, 17820: "25th Anniversary" C (Hudson) 9625 - ditto: 3W surface. (Seymour) UTES: VFN, Montreal Aeradio, 8913: PFC - 12D surface; VFW5, Winnipeg Aeradio, 8913: PFC 13D surface. VFE, Edmonton Aeradio, 8913: PFC 13D surface. SAE's & 6φ Canadian MS sent to all. (Kamp)

COSTA RICA: R RELOJ, 4690: Eng L confirms, no date; /s/ Miss G Barahona. 6W air. ASWLC Sp rpt, 1 IRC. (Marshall)

DOMINICAN REP.: HIMI, R CRISTAL, 5010: red/blk/wh C w/ full info in Sp after several rpts & f/u's. /s/ Caesar Objio, NASWA member. 416D air. (Hall) HIBB, LV del Papagayo, 5030: Sp form L /s/ Yorsi Rodriguez, Ejecutivo, 2W air. MS. (Kamp)

EL SALVADOR: YSS, R NACIONAL, 5980: new blue/white "sketch of antennas" C (acknowledges only), pennant, info sheet - 1M air. MS. (Lobdell)

GREENLAND: (UTE) XPJ, SOENDRESTROEM AERADIO, 8913: PFC - 20D air. SAE, MS. (Kamp)

HAITI: 4VEH, 9770: folder V, full details /s/ Mrs K Ragsdale - 3 1/2 M. IRC. (Palmer)

HONDURAS: HRVC, 4820: small pink/blk/wh C showing man & donkey. V statement. 35D air. 2 IRC per request. (Gaynor)

HONDURAS, BRITISH: R BELIZE, 3300: map C. Shows 5 kw pwr but prob now 1KW per WRTH. 10D. IRC's. (Haynes)

NICARAGUA: YNM, R NACIONAL, 11875: L - 2W. Sent MS. (Fisher)

PUERTO RICO: (UTES) NAU3, U S Navy, Ponce, 18500: sent their own C + ham C of radio-man-in-charge. 10D air. SASE (also PFC but not used). (Kamp)

U.S.A.: VOA, 5995: regular C in 10D. (Seymour) UTES: WAD, Port Washington Marine Op, WI, 2182 - 9D. WII, Lorain Marine Op, OH, 2182 - 10D. USCG Light Vessel, Southwest Pass, LA, 2686 - 12D. NMQ, USCG Stn, Long Beach, CA, 2182 - 11D. NMB, USCG Stn, Charleston, SC (Pwr 40W), 2182 - 12D. WJO Charleston Marine Op, 2182 - 25D. All were sent PFC & SASE. (Kamp) MW Stations: KHJ, 930; Lime green C - 3D. KOB, Albuquerque, large red C - 6D. MS to both. (Haynes) WCEM, KLRA, WPIT. (Palmer)

SOUTH AMERICA

BRAZIL: PRK5, R INCO FIDENCIA, 6000: form L - III. Eng rpt + MS. (Kamp) Form L in Pt 17D air. Sent 2nd rpt requesting definite verification - complete details & verification statement added at bottom of same form L - 35D. (Palmer) Pt L /s/ Omar Figueiredo Vieira - 2M air. IRC. (Marshall) PRI39, R NACIONAL, Rio, 11795: "Urca Quarter & Sugar Loaf" PC - verification statement, no details or /s/, 10M air. Sp rpt, 1 IRC. (Palmer)

CHILE: CE951, R CORPORACION, 9510: pix PC - 5W after f/u. MS. (Sparks)

QSL CORNER

QSL CORNER

COLOMBIA: HJGC, R SUTATENZA, 5075: folder w/ date, V statement - 3M. IRC's. (Haynes) HJAG, ELISORA ATLANTICO, 4905: Sp L + pennant -41D air. MS. HJDH, R COLOSAL, 4945: L + pennant - 1½M air. MS. (both Kamp) HJZM, R NACIONAL, 9635: Color View of Bogota C - date only. Station also takes time to reject bad rpts. 3½M. Sp rpt + IRC (Palmer) HJAF, R SANTA FE, 4965: personal L in Sp, full details /s/ Luisa de Bernal, Pres. Small pennant: green/blk/wh. 49D sea ASWLD Sp rpt & 1 IRC. (Hall) HJ CZ, LV DE COLOMBIA, 6020: L /s/ Julio Caesar Cortes. 2W air. MS. (Sparks) HJAF: same L & P - 55D sea. (Colby)

ECUADOR: HCJB, 15115: "Banana Plantation" C -18D air. 3 IRC. (Hudson) 11740: "Church" C, delayed 3M in transit, sea. (Seymour) HCMJ1, ELISORA GRAN COLOMBIA, 4910: Sp L /s/ Eduardo Cavallos C, small pennant (shows sports scenes). 5W air. ASWLC Sp rpt, 1 IRC. (Marshall) HCDE4, R VISION DE MANTA, 6140: returned rpt/envelope marked in Sp "Refused-Return". Evidently don't want foreign rpts. (Hall)

GUIANA, FRENCH: ORTF, 3315: L & prgm sked-2M. 1 IRC. (Fisher)

GUYANA: R DEMERARA, 3265: C - 3W air. MS. (Kamp)

PERU: CCY4H, R SANTA ROSA, 6045: Sp L, pamphlet "Convento de Santo Domingo" - 19 D air. MS + collectors stamps sent. (Kamp)

VENEZUELA: YVPA, R YARACUY, 4940: red/pink/white C /s/ Luis Ortiz. 43D air. ASWLC Sp rpt, 2 IRC, pc's, map. (Gaynor) Is ntwk C, same as R BARQUISIMETO's. 13D. IRC's. (Haynes) YVQA, R SUCRE, 4960: L /s/ Eleazar Silva, Dir. 2M after f/u. MS. (Sparks) YVNK, R JUVENTUD, 4900: green/wh ntwk C shows "dancers". 2W. IRC's. (Haynes) YVKD, R CULTURA, 5057: Sp L /s/ Ramon Gonzalez Gonzalez. Says thanks. 1½M air. MS. (Lobdell) YVOI, R VALERA, 4840: C: orange pix of Valera, full V /s/ Carlos Julio Balza - 4W air. ASWLC Sp rpt, 1 IRC. (Marshall) YVKT, R LIBERTADOR, 3245: PC of cable cars confirms, no data. Friendly L about Venezuela & the station /s/ Gisela Amaro; rate card for ads, Venez. stamps. 1M air. ASWLC Sp rpt & 1 IRC. (Marshall) Ditto - L & pix PC -15W. MS. (Sparks)

EUROPE

AUSTRIA: AUSTRIAN R, 9770: b&w photo of Vienna C, sked. 55D air. (Colby)

AZORES: CSA67, ELISSORA REGIONAL DOS AÇORES, 4865: boat C from Lisbon w/ full info. 1M. ASWLC Pt rpt & IRC sent to Azores. (Boomer) UTE: CSY, SANTA MARIA AERADIO, 8820: PFC -15D. SAE, MS sent/used. (Kamp)

BELGIUM: ORU, 15200: C, phonograph recd, mailbag script, sked. (Wolcott)

CZECHOSLOVAKIA: R PRAGUE, 7345: "Pravcice Gate C- 42D. (Hudson)

DENMARK: V OF DENMARK, 15165: usual C, L, sked -3½M. Sent tape & rpt in Danish, no RP. (Fisher)

FINLAND: FINNISH EC CORP, 15185: map C, sked -8W. IRC's. (Haynes)

GREECE: VOA, Thessaloniki, 5095: usual C - 4D. (Boomer)

HOLLAND(NETHERLANDS): R NEDERLAND, 11730: "International Reporters" C, antenna book in 1 3/4M. (Hudson)

HUNGARY: R BUDAPEST, 11910: "Liberty Monument" photo C -51D sea. (Colby) Red/wh/blue pennant, info on R BUDAPEST DX CLUB-2M. (Hudson)

IRELAND: (UTE) EIP, SHANNON AERADIO, 8828½: "Coffee" C + info sheet on EIP - 20D. SAE & MS sent (Kamp) The "Coffee" C has all details - 14D. 2 IRC. (Steele)

LITHUANIAN SSR: R VILNIUS, 9680: wh/blk/green "2 birds upon a plant" C. All details, no /s/. Also 13 PC's of paintings & book on Lithuania- 50D sea. No RP. (Gaynor. Red/white "flower" C w/ date, time, freq -76D sea. (Colby)

LUXEMBOURG: R LUXE BOURG, 6090: b&w "antenna" C: date, time, freq. 49D sea. (Colby)

MALTA: (UTE) 9HA(former ZBJ), MALTA AERADIO, 8820: PFC & L. Pwr 1250W. 1M air. SAE & 3 IRC sent. (Kamp)

MONACO: TWR, 7290: "Studio" C w/ full data & sked - 1M air. 2 IRC. (Koukol) EC bldg C & sked -9W sea. No RP. (Seymour) Same, is b&w photo C - 33D air for 1 IRC. (Colby) R MONTE CARLO, 7140: Antenna/flag C gives date & veri statement, also large prgm sked - 16½W sea. 1 IRC. (Marshall)

NORWAY: R NORWAY, 11850: 2 C's in color: "Fiord" & "Snow Scene" - 7W air. No RP. (Seymour)

POLAND: R WARSAW, 7125: map C, also sked & info. 7W air. No RP. (Seymour)

R S F S R, EUROPEAN: R PEACE & PROGRESS, 11700: yellow C w/ all details & prgm sked -6W. No RP. (Fisher) R KIEV (via Moscow) 11700: blue/red flag C -2½M. (Seymour)

SWITZERLAND: SEC, 6120: "Airport" C - 2M sea. (Seymour)

AFRICA

ALGERIA: (UTE) FNA, ALGIERS AERADIO, 8820: PFC had note that Chief Telecom Officer didn't speak Eng; underlined "verification" & "accuracy". (Kamp)

ANGOLA: CR6RZ, R ANGOLA, 9635: Nova Lisboa PC w/ full veri in Eng; also thick prgm sked previously. 12W air. ASWLC Pt rpt, 2 IRC. (Marshall)

ASCENSION I.: BEC ATLANTIC RELAY, 7105: EEC Acknowledgement C w/ red typewriting "Atlantic Relay Station". (Tordoff)

BOTSWANA: R BOTSWANA, 4845: Elands Watering color PC w/ rubber stamp veri on back - 4M air. 3 IRC. (editor)

CANARY IS.: RNE, 11800: RNE, Madrid C - 84D air. ASWLC Sp rpt, 3 IRC. (Thornton)

ETHIOPIA: ETLF, 15315: blue/white RVCG C /s/ E Warronton, Audience Relations O - 124D sea. 2 IRC. (Hall)

MALI: R MALI, 9745: map C w/ veri statement /s/ Keita. 2W air. IRC. (Boomer)

MOZAMBIQUE: RCM, 4925: "Statue" C w/ full info typed in, /s/ O H Lepeirre. 28D air. ASWLC Pt rpt & 2 IRC. (Hall)

NIGER: Niamey, 3260 (4kw): black/red/green/white "Ici Niamey" C - 40D sea after f/u ASWLC Fr rpt, 3 IRC. (Hall) UTE: 5UA, NIAMEY AERADIO, 8820: PFC - 2M air. SAE & MS sent. (Kamp)

NIGERIA: RTV KADUNA, 9570: new C light green/dark green letters, gives serial #'s - #2 issued! /s/ Kelly, CE. 15D air. MS sent. (Lobdell) Who was #1? NEC, 15365: white C gives date, time, freq, /s/ unreadable. 56D air. (Colby) UTE: KANO AERADIO, 8820: PFC - 15D. SAE & MS sent. (Kamp)

RHODESIA: REC, 4847: "Antelope" C /s/ E Mac Kenzie. Full info. 1.7ii. Tape & 3 IRC sent. (Lobdell) Likewise, for 4828 - 53D sea. (Tordoff)

SEYCHELLES: FEBA, 15185: blue/white C w/ full data /s/ Brenda Bactn. LM air. 3 IRC

SOUTH AFRICA: R RSA, 15310/11875/9630: new C rubber stamped for 69 DX Contest - 7M air. (Soneff). Likewise; has color drwg of South Africa & slogan on front. 102D air. 2 IRC. (Gaynor) UTE: ZUO, REP. OBSERVATORY, 10000: PC & L w/ full veri, also info sheet. Pwr 250W. 4ii sea. IRC. (Boomer)

SUDAN: R OMDURMAN, 4994: form L giving date - 2ii air. IRC. (Boomer)

TCGO: R TCGO, 5047: green/red map C w/ full veri & sked - 8W air. 2 IRC. (Marshall)

TUNISIA: RTT, 6195: PC w/ full veri - 2W air. IRC. (Boomer) Color PC - 13D for Fr rpt, IRC. (Palmer)

U A R (EGYPT): R CAIRO, 9475: "Tri-maiden" C + prgm sked. LM air. No RP. Sent to Propagation Dept., POBox 1186, Cairo, UAR (Seymour)

UPPER VOLTA: Ouagadougou, 4815: black/yellow/wh/brown outline map of Africa C - gives full veri - 49D air. Tape + Fr rpt & IRC's sent. (Tordoff)

ASIA

BRUNEI: R BRUNEI, 7215: attractive C w/ date & freq. from C.E. - 28D air. 2 IRC. (Koukol)

CHINA, P R OF: R PEIKING, 7120: "Sacred Place" C + pocket calendar & trashcan filler - 2M. (Seymour)

HONG KONG: (UTE) HONG KONG VOLMET, 8905: Form L - 15D air. SAE & MS sent. (Kamp)

IRAQ: R BAGHDAD, 6095: lilingual map C - 4ii sea. IRC. (Boomer) In 81D air for 2 IRC; 1st rpt not answered. (Koukol). For 6030: same yellow map C. No time or /s/. 2ii air. 2 IRC (Marshall)

ISRAEL: 4XB31, 9009: 17th Century Engraving of Jarusalem C, newspaper, prgm sked & blue/white pennant. 27D air. 3 IRC. (Gaynor)

JAPAN: R JAPAN, 9505: Large "Progress & Harmony for Mankind" C - 2W. No RP. (Fisher) 15445: Expo 70 "Tower of the Sun" C in 2½M sea for tape. No RP. (Lobdell) JOZ2, NSB, 6055: red/wh/blue map C in Eng/Jap - 8W. IRC's. (Haynes) UTE: TOKYO VOLMET, 8905: C & L - 18D air. SAE & 3 IRC sent. (Kamp)

KOREA, SOUTH: VOFK, 15430: color Chonje-yun Fall C w/ full data - 1½M. 2 IRC. 3rd rpt in 2 years. (Lobdell)

LEBANON: R BEIRUT, 11790: Station picture NEW BRITAIN: VL9BR, R RABAU. 3385: fold-
C, Lebanese flag, sked - 4 $\frac{1}{2}$ M sea register-er, no data but much station info /s/
ed. (Seymour) John J Waters - 6W air. 3 IRC. (Marshall)
Data sheet folder - 17D air. 2 IRC.

MALAYASIA: R MALAYASIA, 9660: 2 C's: pix
of Malayasian EC Center, 2nd colorful map
& flag C. Both give veri statement, date
only. 12W sea. IRC's. (Haynes)

(Steele)

NEPAL: R NEPAL, 11970: plain white C /s/
K B Khattry, CE. All details - 3M. Sent
registered rpt, 5 IRC. (editor)

NEW GUINEA: VL9CD, R WEWAK, 3335: folder
w/ full data, /s/ unreadable - 21D air.
2 IRC. (Koukol)

PHILIPPINES: VOA, Tinang: 15165: C - 4D.
(Doomer) DZB2, FEBC, 3345: C + L /s/ Eva
Fitzpatrick, QSL Sec. 24D air. 3IRC.
(Hall)

PAULA: VLT4, Port Moresby, 4890: regular
AEC C, full data - 1 M air. 1 IRC.
(Marshall)

TAHITI: R TAHITI, 11825: "Mermaid" C, all
details, + prgm sked - 2W. 1IRC. (Fisher)

THANKS TO JULY'S REPORTERS:

SARAWAK: R MALAYASIA-SARAWAK, 4950: PC
of EC House w/ date, veri statement - 11W
air IRC's. (Haynes)

BRUCE BOOMER, Rutter Fort, WV; ED COLBY,
Lynn, MA; ROBERT W FISHER, Los Angeles,
CA; LES GAYNOR, WPE8KMJ, Oak Park, MI;
DR. EARLE HALL, Winchendon, MA; ROY
HAYNES, WPE6HEI, San Jose, CA; JACK
HUDSON, Five Points, AL; STEVE KAMP,
Irving, TX; MARK KOUKOL, WPE9JKV, Naperville,
IL; CHRIS LOBDELL, Reading, MA;
CEDRIC MARSHALL, Toronto, Ont., Canada;
TOM PALMER, WPE8KHJ, Detroit, MI; WOODY
SEYMOUR JR., Sanford, NC; JOHN SONEFF JR,
New Orleans, LA; Assoc. Editor GARY
STEELE; JIM THORNTON, Venice, CA; JACK
TORDOFF, Redwood Sity, CA; BILL SPARKS,
San Francisco, CA; PAUL WOLCOTT, JR,
WPE2QVL, Linwood, NJ.

SAUDI ARABIA: BSKSA, 15150: Palm Trees/
Scimitars C + sked -3W. IRC. (Fisher)
For 11855: same C /s/ Werner Storg, also
2 PC's. 172D air registered. 4 IRC. (Gay-
nor)

SINGAPORE: R SINGAPORE, 11940: C w/ veri
statement - 2M sea. (1IRC. (Haynes)

THAILAND: R THAILAND, 11910: C w/ full
data; sked - 20D air. No RP. (Koukol)

TURKISH SSR: R ASHKABAD, 4825: L w/ full
data /s/ Mrs. Stepanova - says send rpts
directly to Ashkabad. 2M air for tape
sent to Moscow. (Lobdell)

UZBEK SSR: R TASHKENT, 9600: blue "Chimes
Tower" C w/ full veri - 8W air. 2 IRC.
(Marshall)

IN MEMORIAM

Don W. Billingsley, former Editor of
"Short Wave Review", passed away on May
27th, 1970. His legacy to ASWLC includes
the inception of the ASWLC Loggings
Sections in their present form, the
development of the Awards Program, the
original idea for a "Country Chaser's
Corner" Section. He was a good DXer and
ardent collector of verifications. We
who were associated with Don will not
forget.

OCEANIA

AUSTRALIA: VLR/H9. Melbourne, 9680: blue/
black map C - 16D air. 1 IRC. VLW9, Perth
9610: blue gray map of West. Australia C
+ prgm sked - 4M air. 2 IRC. VNG, Lynd-
hurst, 12000: antenna C w/ veri, station
info /s/ M Laidler - 1M air. Returned 2
IRC. (all by Marshall) UTE: VSZY, SYDNEY
AERADIO, 8905: PFC + L - 15D air. 4 IRC
& SAE. (Kamp) R AUSTRALIA, 9580: "Darwin
Aerial Photo" C - 37D air. (Colby)

HAWAII: (UTE) NPM, Lualualei, 16457 $\frac{1}{2}$ L C
from E Raly gives date, freq - 6M air. N
No RP. (Koukol) WNVH, 5000: Beach Scene
C /s/ Katahana(?) -12D air. Returned IRC.
(Marshall) HONOLULU FLIGHT SERVICE STM,
8905: L w/ all details - 9D. (Tordoff)

ASWLC

July 1970

ASWLC

QSL Associate Editor: Gary Steele, 290 Elmside, Benton Harbor, MI 49022

QSL

CORNER Deadlines at Benton Harbor ONLY: July 24th and August 28th

CORNER

ASWLC AWARDS

During the past month, the Awards Committee issued the following certificates:

- 25 Countries, SWBC: Mr. W. Charles Ganscoe
Mr. Les Gaynor
Mr. David Millard
Mr. Woody Seymour, Jr.
- 75 Countries, SWBC
and Utilities: Mr. Bob Estand
- 125 Countries SWBC
and Utilities: Mr. Mark Koukol
- 20 Countries of the
European Continent: Mr. Steve Kamp
- 20 Countries of the
North American Con-
tinent, SWBC/Util.: Mr. Mark Koukol

MAILBOX

President of ASWLC, Art Glover, has this to say in reference to the discussion about a QSL's "validity" (4-70 Q-C)... "I note what just might an oversight. No reference is made to supporting evidence of a logging as would be at hand if a good, permanent log book were kept, per recommended practice... All of us have logged stations that we'd swear were such-and-such, only to learn later that we were wrong. There are cases where the wrong station supplied a QSL; to prove this point, I know of one who was not sure which of two stations he was hearing... He sent his report to both stations, and each verified his reception. Somebody HAD to be wrong!... Only detailed evaluation of the program details could provide the answer, be it a month or be it 5 years later. That is the only point that I'm making--that it might be well to stress the importance of maintaining accurate log records; which, if need be, could be referred to to support or confirm each and every QSL received or claimed." (Very true, Art; and I'll bet that there are a few of us--myself included--that ease up a bit too often on the task of log-keeping...GS)

QSL LADDER MEMO

A reminder here that QSL Ladder has been divided into "A" and "B" classes; "A" is for those with a VIC of 1-60; "B" has those with 60 and over VIC. In the August Q-C, class "B" will be featured; October will have the "A" Ladder, and so forth during alternate months. Your support of the QSL Ladder is appreciated!

FOR SALE: Hammarlund HQ-1145 rcvr, with manual. Gd. Cond.; \$125. Drop me an SASE for more details.

COUNTRY LIST

The BOD has ammended the ASWLC country list (in the March 1969 "SWL") to add these countries:

- N. America-
British Virgin Is. (Roadtown)
Cayman Is. (Georgetown)
Guantanamo Bay
Leeward Is. (Basseterre; St. John's)
Windward Is. (St. Georges; Castries)
Virgin Is., U.S. (Charlotte Amalie)
- S. America-
Easter Is.
Galapagos Is. (San Cristóbal)
San Andrés
- Europe-
Faroe Is. (Torshavn)
Gibraltar
Malta (Valletta)
Northern Ireland (Belfast)
- Africa-
Biafra (on/before 1/14/70)
Fernando Póo, Equatorial Guinea
Rio Muni, Equatorial Guinea
Spanish Sahara (El Aaium)
St. Helena (Jamestown)
Seychelles (Victoria)
Swaziland (Mbabane)
- Asia-
Bahrain I. (Manama)
Kashmir (Srinagar)
Macau (Macau City)
Muscat & Oman (Muscat)
- Oceania-
American Samoa (Pago Pago)
Antarctica
Lord Howe I.
Nauru I.
Niue I.
Norfolk I.
Tonga (Nuku'alofa)
Trust Territory of the Pacific Is.
Wake I.
Western Samoa (Apia)
Midway I.

DELETE:

- North America- Grenada

Major cities and/or capitals are noted in parentheses following the country. Please note the case of Fernando Poo & Rio Muni; these are seperate countries.

To all contributors; thanks for your support!

P R O P A G A T I O N

Jack White
780 NW Wallula
Gresham, Oregon 97030

We are currently in the midst of the mid summer season when general propagation conditions remain fairly stable with little change noted in the patterns of reception. Reviewing the July and August projections indicates that 1970 will follow this particular rule, so most of the comments for this edition would be more or less a repetition of last month's material. In view of this fact, and in line with our new executive editor's policy of offering practical assistance whenever possible, a slight deviation from the normal content of this column is presented this month. The slight variations in propagation trends however are reflected in the worldwide prediction chart.

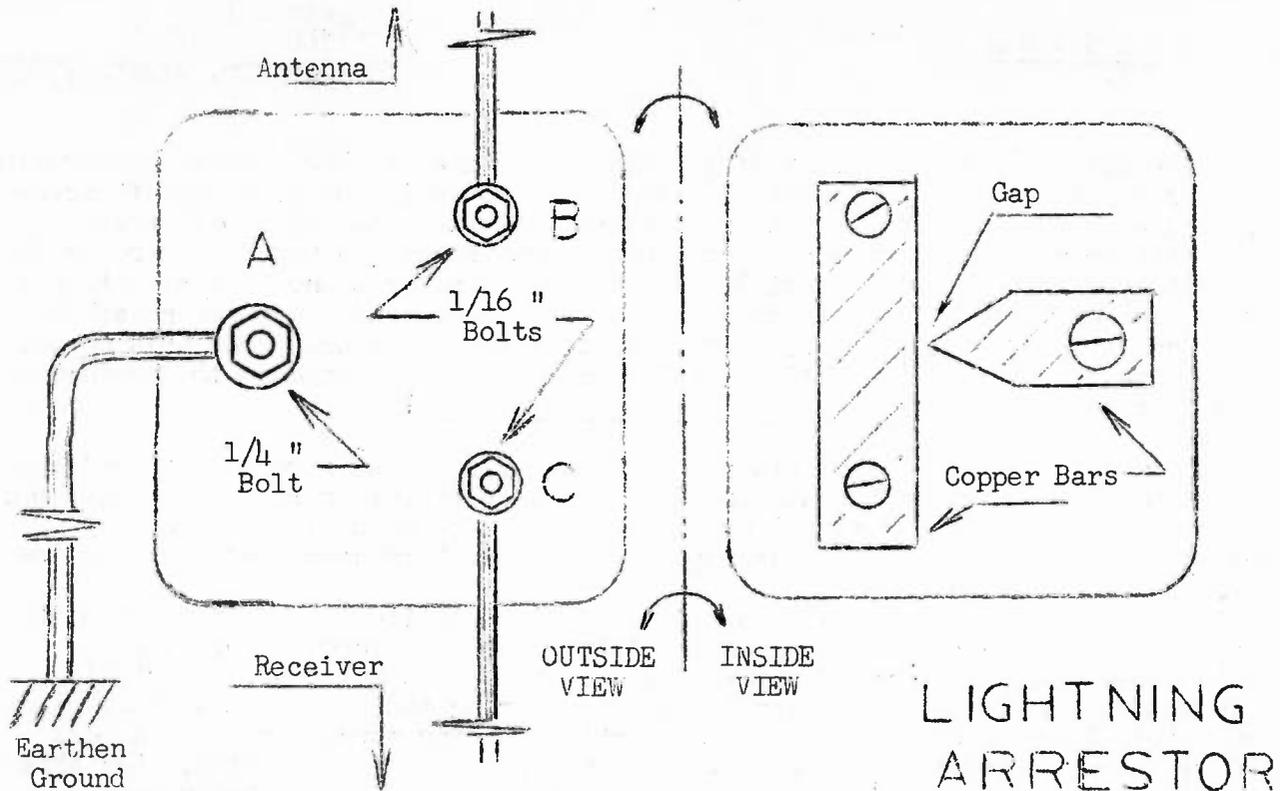
The topic of discussion was prompted by a ham friend who recently encountered an experience which applies to SWLs as well, and is certainly worthy of passing on. The name and call of the individual are mercifully being withheld as he surely should have known better and has already suffered enough embarrassment over the incident.

It seems that this fellow was participating in some field day exercises with his club not long ago; and being an enterprising chap he erected a formidable portable antenna with the aid of several trees. After several hours of activity, he went home for a few winks leaving the antenna strung and ready for further use the next day. You guessed it...later that night lightning struck and made a mess out of both antenna and trees along with some other gear he left behind. Had this occurred earlier, he might well have lost all his rig as well as getting zapped himself. Later investigation after the ashes cooled revealed that in his eagerness to get on the air he had neglected to provide any form of lightning protection.

As we all know, lightning can strike just about anywhere at anytime and unless something is done about it, a SWL antenna is a prime target!!! That "something" is a small, inexpensive device which is usually applied to the lead-in called a "lightning arrestor". The arrestor provides a current path from the antenna directly to ground and serves to drain off static build-up on the antenna as well as the air immediately surrounding it. This is far from sufficient to prevent lightning from striking (in fact, there is no prevention with anything), but in the event your skywire is hit, the arrestor will divert the jolt harmlessly toward the ground rather than into your receiver (and maybe you). It's a question of directing the current flow toward the mass with the greatest difference of electromotive potential. In this respect the antenna becomes sort of a lightning rod when an arrestor is installed.

There are commercially available models designed for all types of lead-ins .. single-wire, twin-lead, and coaxial. Most of these provide a very small direct connection between the ground lug and the feed line connection, which of course drains off a little bit of the incoming signal. In view of the alternate consequences this minute loss is usually acceptable and a small price to pay. However, if you are akin to this editor, you probably wish to wring the last microscopic fraction of a decibel out of your reception and have expended considerable effort in minimizing all losses. For those who might be interested, the following is a layout of the home-brew arrestors used here which do not tap off any of the signal and still afford protection. If you're at all handy and have a well stocked junk box, the total cost is zero. This set-up is for single wire, it can be doubled for twin-lead (but keep the lead wire spacing the same); for coaxial the best answer is a "Blitz Bug" which is available at most ham or CB supply outfits.

One last and very important point: Whether you build or buy, an arrestor should be grounded by the most direct route to a good earthen ground (water pipe, deep-driven rod, etc), with a minimum of bends (none sharp), and using as heavy a wire as you can lay your hands on (bare preferable). In case old Thor hangs one on you, the fewer detours in the exit route the better. Also if you've got a vertical antenna of the classic "Marconi" design, reception grade is proportional to the quality of the ground circuit.



LIGHTNING ARRESTOR

The arrester is built inside a plastic box of suitable size (fishing lures came in these), with the whole circuit constructed on the lid, and the base of the box fastened conveniently on the side of the house or whatever. The copper bars were salvaged from a junked-out kitchen range (better check with the head cook before diving into anything around the house). The bar connecting B and C can be of any size with a cross-section equal to or greater than that of the feed-line. The pointed ground bar should be at least 3/16 inches thick and wide enough to accommodate a 1/4 inch bolt for terminal A. Solder lugs were used for the wire connections at all three terminals along with both flat and lock washers. As a point of interest, the feed-line is 16 guage stranded automotive primary wire, and the ground lead is 2/0 stranded battery cable (mentioned only to point up the need for heavy ground lead; if you've got very far to go, 2/0 gets expensive and a lesser guage will do nearly as well.) The copper bars were cemented in place first using Duco household cement, and then drilled for the terminal bolts afterward. The space for the "gap" from the point of the ground bar to the closest part of the feeder bar should be just enough to pass a finger nail file (or ignition point file) through to take off any surplus cement and clean the point. Since the whole thing is built on the box lid, all that remains is to snap the lid on the base and with the aid of some more Duco or plastic tape, the gap circuit is in a weatherproof container (plastic tape was used here so that the box could be opened occasionally to shine up the point). Hook up the leads as shown (almost forgot...two nuts are needed for the terminals. One to hold bolt rigid, and one to fasten wire) and you're in business.

As can be seen there is no signal loss with this set up as that voltage is not sufficient to jump the gap, but greater amounts have very little trouble in arcing the distance. In fact, static build-up in the air has promoted a spark on these several times with the total effect just a "crack" in the audio not unlike those from other electric sources. Not wishing to be "half-safe" and looking for the maximum protection when the set is not in use, all the antennas here (currently four) are shorted directly to ground when not operating.

It is hoped that this discourse proved at least interesting to some, and next month we'll be back at Hertz-handicapping.

WORLDWIDE PREDICTION CHART JUL 15-AUG 15

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE N AFRICA MID EAST	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	AUSTRALIA SOUTH PACIFIC
0000 to 0300	E	19F 25F 49F	25G 31F	16G 19G	16G 19G 25M	16F
	W	19G 25F 31F 49F	25G 31G	16G 19G	16G 19F 49M	19F
0300 to 0600	E	25G 31G 49F 60F	31G 25F 41F 49F	25F	25F 31F 49F 60M	16F 19F 25M
	W	25G 31G 49F 60F	31G 25F 41F 49F	19F 16M	25G 31F 49F	19G 25F 31F 49F
0600 to 0900	E	25G 31F 49F 60F	31F 49F	31G 25F	25F 31F 49M 60M	25G 31F 49F
	W	25G 31F 49F 60F	31G 49G	19G 25G	31F 49F	25F 31F 49F 60M
0900 to 1200	E	25F 31F 49F	19G 25F	25F 31M 49M	19F 16M 31M	25G 31G 49F
	W	25G 31F 49F 60F	31F 41F	19F 25F 31F 49F	NIL	25G 31G
1200 to 1500	E	19G 25F	16G 19G	19F 25F	19F 25M	31F
	W	19G 25F 31M	25G	25F 31F 49F	25F 31M	25G 31G 49F
1500 to 1800	E	19F	19G 16F	19F 25M	19F 16M	NIL
	W	19F	19G 25F	19G 25F	25F	25F
1800 to 2100	E	19F	16G 19G	19G	19F	16G 19G
	W	19F	19G	19G 16F	19F 16M	19F
2100 to 2400	E	19F 25F 31F 49M	16G 19G 25F	19G	19F	16G 19F
	W	19F 25F 31M	19G 25F	19G 16F	19G	19F

RCVR ZONE indicates listener's region; E is for EST & CST time zones, and W represents MST & PST zones. Reading down to the appropriate GMT and RCVR ZONE and across to the desired world area will indicate the SWBC bands most likely to offer reception. Quality of the openings is shown by G, F, M...Good, Fair, and Marginal.

16 Meter band	17700 to 17900 kHz	41 Meter band	7100 to 7300 kHz
19 " "	15100 to 15450 "	49 " "	5950 to 6200 "
25 " "	11700 to 11975 "	60 " "	4750 to 5050 "
31 " "	9500 to 9775 "		

Editor: Robert LaRose, 172 College Complex Cir. Apt 6, Rochester, NY, 14623

Welcome aboard. We've got allot to cover this month so lets get right down to business.

RECEIVER NEWS

At the Armed Forces Communications & Electronics Association (AFCEA) show in Washington your editor has a chance to see and talk about some of the newer receivers which have recently been released. Let's look at a couple of them:

COLLINS 651S-1 This receiver was first shown back in the spring at the meeting and show of the RTCM (a Maritime Radio Committee) in San Francisco. This new receiver covers the range of 400kHz to 30 MHz. Although it appears to have continuous tuning over this range, it is actually synthesized and really is tuning in discrete .1 kHz increments. One complete turn of the tuning dial covers 10kHz. Separate MHz and .1 MHz switches permit rapid changes in frequency. Accurate frequency readout is provided by an electronic display which reads the frequency to the nearest .1kHz.

The performance specifications of the 651S-1 are the culmination of years of experience with the 51S line. As such, it meets the most rigorous demands of military, government and commercial applications.

Styling and human factors have received great emphasis. In talking to some of their Engineers it was learned that Psychologists where consulted to plan front panel layout and types of knobs, etc. The main tuning knob has been given a size, feel and position that makes tuning easy and tirefree.

Your editor had the opportunity to use the 651S-1 at the AFCEA show. It is one of the finest receivers i've ever seen. Tuning was the simplest and easiest ever seen. Priced at roughly \$3000, it's a real bargain in the high price bracket for what you're getting. Even at this high price I am sure you will start seeing this receiver in the shacks of discriminating hams and SWLs. Deliveries are scheduled to begin this fall.

NATIONAL HRO-600 Although this receiver was not on display at the AFCEA show, your editor did have a chance to get a brochure on it. Performance specifications are quite similar to the older HRO-500. A new dimension in versatility has been added with three separate plug-in control heads. The 601 control head provides continuous tuning through each 1 MHz band with electronic readout to the nearest .1 kHz. The 602 head includes a synthesizer and permits tuning by a "digi-switch" selector in .1 kHz increments. The 603 control head provides 12 crystal controlled channels.

The base price is about \$2500. It appears that National isn't quite ready to show or produce these new receivers. It is unlikely that there will be production runs for 4-6 more months. The way it looks right now, the small price differential between the 651S-1 and the HRO-600 will spell trouble for success on the part of National in this receiver market.

SPR-4 DRAKE Drake wasn't one of the exhibitors at AFCEA's show. However, the last month has seen several relevant items come across your editors desk concerning this receiver.

August Balbi, whose comments I am sure you all respect, writes about the SPR-4: " Since May 29th using the new Solid State SPR-4...price \$379.00 plus tax and ordered 11 extra crystals including tropical bands. ...Very small in size, 5½ high, 10½ wide and 11½ deep, built-in ~~3~~ 3-5

Editor: Robert LaRose, 172 College Complex Cir. Apt 6, Rochester, NY, 14623

DRAKE SPR-4 continued

inch speaker giving clearest audio ever heard...each band of 500kHz calibration correct to 1kHz.....In short, while it does not look impressive, the performance is outstanding."

According to reports that I have received, sales of the SPR-4 appear to be quite high. One Marine Communications Dealer in the Gulf of Mexico is reported to have sold over 60 of them already.

A new 4 page brochure gives full details on the receiver. It notes that complete sets of crystals (above and beyond the SWBC band crystals which come as standard with the receiver) for specific services including the Amateur, Marine, International Aeronautical, Time/Frequency and Tropical Broadcast bands are available at a 10% discount from the standard price of \$5 per crystal.

As far as your editor can see, this receiver is the best one to come along in this price category. All reports received here have been extremely favorable. If you're in the market for a new receiver and can go into this price range, take a look at this one.

WHAT'S THAT ?

PART II "THE FLYING BUZZSAW"

Without a doubt, one of the weirdest, commonest and most mysterious sounding stations heard while tuning across the dial are the ones that sound like a combination of a buzzsaw and a Messerschmitt. Before I get any further let me make it clear that I am not talking about the jammers that frequent the SWBC bands and can be heard on top of stations such as Radio Liberty and Radio Free Europe. These are the stations that are found BETWEEN the SWBC and Amateur bands.

There have been a great number of theories about these stations. I myself have, at different times, thought of them as Russian jammers getting at our vital military communications, the U.S. intentionally covering its own communications and even some type of communications that had to do with airplanes. Well, none of these comes close to the real story.

The real explanation is by no means so mysterious, or for that matter any kind of a secret. This form of communications is in common daily use by our military and, in slightly different forms, by some commercial telecommunications companys. It's called MUX- that's one of those military-type abbreviations for MULTIPLEX. What it is, and what it does is transmit teletype messages. The one big difference between MUX and standard teletype is that each station you hear can transmit to 16 different messages simultaneously, without any further sophisticated systems of time sharing or anything like that.

A normal MUX channel contains these 16 teletype channels which are compacted to the overall size of a single sideband of a voice channel by having the shifting frequencies only 85 Hertz apart. (See WHAT'S Part I in the April SWL) As you recall from the previous article a shift in teletype communications is normally 850 Hertz. Each separate teletype circuit is first converted to an audio circuit consisting of the two tones (or levels) which are separated by 85 Hertz. Each of the 16 teletype circuits has a different set of audio frequencies. Yes, all lie in the normal voice spectrum (the highest tones are less than about 3 kHz). They are all then transmitted over a standard Single Side Band transmitter. At the receiver end special audio filters separate the individual teletype channels for conversion into the language that the teletype machines can understand...Simple, eh! More next month...73s BOE

.....
 NOTICE: This edition of the DX FORUM is being typed by Chuck Sadoian in Dinuba, Ca, to close out my 'tour' of editorship. My time has become increasingly limited for DX activity the past months, and I found it necessary to resign. If an editor has not yet been appointed by the executive editor, the position is still open for bids.

Carroll R. Patterson - 784 N Parkwood Road - Decatur, Ga 30030

My only major complaint against our hobby is the ridiculous position taken by the radio clubs constituting ANARC insofar as an acceptable radio country list is concerned. For the life of me I cannot understand the problem. If one country list is not acceptable to all member clubs, why not two - one for the Ham-band DXors and one for the rest of us? Wouldn't that get the job done? Personally, I favor NASWA's radio country list which, of course, is made for the SWBC DXors and contains 212 countries. ASWLC's, developed by Don Billingsley when he was SWR editor, is just about as good. As you know, it contains 210 radio countries. Now we come to NNRC's and "Popular Electronics" lists--both with 364!! Common-sense-wise, how can there be such a variable 210(or 212) to 364? That's a difference of 154(or 152)!! I realize, of course, that there are "countries" with Ham or utility or ECB stations that don't have SWBC stations, but I still believe the leadership of the ANARC clubs could have a "meeting of the minds" and come up with two separate and distinct lists, as stated above. I think my proposal would be a step in the right direction. This is a personal opinion and not the opinion of the Short Wave Review.

David Thorne - 1506 Dressor Street - Santa Ana, Calif 92701

Re: Mario Sala(April DXF) on reporters including rx's in rpts. Good idea!! Presently I am using a Drake SW-4A about 90% of the time. Good points: Dial accuracy of 1 kHz. This is the best feature(direct frequency dialing--cd). I can put it on a given frequency even before a station goes on the air, and when the scheduled time arrives: Bingo!! There selectivity is excellent, sensitivity is very good. This RX does everything the mfg. claims it will do. On the ECB I don't use it since I didn't buy the loop. I use a 75 foot longwire E/W, and on the ECB I get about 4 stations per channel. Hence, it isn't good on the ECB without the loop. DRAWBACKS: This RX only tunes the ECB and the 49, 41, 31, 25, 19, 16, 13, & 11 mb's(unless you change crystals). So if you want to DX the Hams or Utilities, forget this RX. ALSO: I just finished reading "Shortwave Voices of the World" by Richard WOOD. Excellent!!! Should be in every SWL's shack. Also ASWLC members should get their copy of "Proper Reporting Guide" by Art Glover. Not only will you find it a tremendous help on those QSLs, but at the same time you will be supporting the ASWLC!! Order yours today! 73.

Tom Christian - 2212 North 106th - Seattle, Washington 98133

After being a member of ASWLC for 8 months, I've finally gotten around to write the DX Forum. Always liked it though. The April issue has much to comment on. Re David Thorne for "Handicapped" DXing. I tried it on my crystal set, logged KREN in Renton, 18 miles south along with 10 other locals. It's kinda fun, hi. Re Jim Thornton, take a look at the geographical sizes of the Philippines and the USSR. Quite a difference, huh? The USSR is so large that it should be broken down a bit. But I've always counted Indonesia as one, not 5 like ASWLC country list. As for the introduction of myself, I now have(finally) gotten my Galaxy R-530 in operation, but with limited antenna capabilities. I request that anyone now using the Galaxy, please write me and tell of you antenna, and the results you're getting. I've been DXing for just over 2 years, logging 105 countries with 75 of them verified. I'm also a member of Radio Portugal DX club, RNYLC, and Radio Canada DX club. 73.

Frank E. Aden, Jr - 5805 Flamingo Drive - Boise, Idaho 83704

Hi. This is the first time I have written th the Forum, so I will introduce myself. I am 16, and I DX TV, FM, ECB, and SW with 57 countries logged, 37 verified. I use a DX-150, a Ral-7, and 3 portable receivers. I have a multi-dipole antenna and 20 foot high TV antenna. I also card swap. 73.

.....
 Note: These are all the reports I can fit into this one stencil. I still have remaining some reports from these members: Don Williams(Ky), John Sonoff, jr(La). As soon as another editor is appointed, I will forward these reports to be printed.

73, Chuck Sadoian

"END OF AN ERA"

POPULAR ELECTRONICS has decided to discontinue several of their regular monthly features effective with the September, 1970 issue. Being terminated, among others, are the columns by Herb Brier, Roger Legge, and Hank Bennett. This move is being made for the primary purpose of providing more editorial space for material in other fields of electronics.

This announcement was to have been made in the August issue, coincidental with the announcement in Popular Electronics and in many of our sister radio club publications. However, one of the other clubs has reportedly already published the info due, shall we say, to a gap in communications. Therefore, the announcement is made at this earlier date.

For those who wish to continue receiving shortwave news in magazine form, I recommend RADIO TODAY. This is the new magazine being published by Wayne Green; the mailing address is simply Peterborough, New Hampshire-03458. The dues are, I believe, \$5.00 per year. To the best of my limited knowledge on this subject, I do not believe that this magazine is yet available on newsstands but subscribers are receiving the magazine. And again, I'll have more on this subject later on, more than likely in the September issue of this NNRC column.

While I have not as yet had the pleasure of reviewing the bulletin of "one of the other clubs" (not ASWLC) for June, as mentioned earlier, I do understand that a certain comment was made verbatim in the bulletin which will very likely be taken out of context by many readers. The comment, according to information given me, was pointed more towards certain individuals in the hobby than to DX-ers collectively.

For those who are going to insinuate, suggest, or perhaps even state flatly that we've broken up in anger, let me make it perfectly clear to everyone concerned that my departure from Popular Electronics is being made with the finest and most cordial relationship. I've always been mighty grateful to Perry Farrell for having taken me on some 14 years ago, and I have no reason whatever to wish to terminate that friendship. While I am personally wholeheartedly against the changes that Ziff Davis organization has decided to make, especially so since I am one of those immediately concerned and involved, I am definitely not against their policy of attempting to provide a magazine of the most interest to the most number of readers. That is their service; that is their business.

I'm not going to suggest that anyone write to Poptronics and give them a verbal barrage at discontinuing any of the afore-mentioned columns nor will I try to discourage anyone from doing so. I do, however, simply request that any letters to Perry Farrell or to the publisher be kept on an intelligent level.

To my fellow Editors in the other club magazines, my sincere apology. I had been working up a formal announcement that all the clubs could run, if they so desired, at the same time as this announcement. But in view of the early announcement by someone else, this idea had to be scrapped since I just didn't have time to get the word out to everyone.

Finally, to the "someone else" in "the other club", permit me to exonerate you for your premature announcement. As I mentioned before, a communication gap prevented you from receiving one certain paragraph that asked you to hold the news in abeyance. The fault is not yours and we have not intended this editorial to make it seem as though it were.

For the time being, at least until mid-August, please continue to send in any items that you might normally have submitted for use in my Popular Electronics column. Reports for NNRC may be sent as usual. Our address of Box 333 will continue to be the receiving point for all material. In the September issue we'll let you know what procedure to follow for Poptronics mail. End.

(Direst from Hank Bennett, Editor Newark News Radio Club SWBC Section.)

Your publisher has been informed that Hank Bennett will continue the VPE Monitor Registration Program. The VPE portion will be dropped and the new prefix of WDX will be used. The new certificates will be ready in September.

Our thanks to Hank for a 14 year job very well done.

Stewart
#

Sister Club: CEYLONESE SWL CLUB is the official "sister" club of ASWLC.
CSWLC; Victor Gooverilleke, "Galle Walauwa", Piliyandala, CEYLON.
Every 2nd Saturday of the month at 1100-1110 GMT, the CSWLC presents
"DX-PANORAMA" Listen!!!!!! In English on 17.830 kHz.

HCJB - ASWLC Radio station HCJB uses "SWL" as it's official news source over the
"DX PARTY LINE". Tune in at 0230-0300 GMT on Tuesdays ... 15115 -
11765 & 9745. 1930-2000 GMT on Tuesdays ... 21460 - 17880 & 15115.
0930-1000 GMT Wednesdays ... 15325 - 11915 - 9745 & 6050.

ABC - ASWLC The Ray Briem Show heard nightly over KABC-am 790kc in Los Angeles.
Midnight to 0500 PST 0800 - 1300 GMT. Listen and Soon.

A.N.A.R.C. The ASWLC is a member of the Association of North American Radio Clubs.

A.R.E.A. ASWLC is a member of Amateur Radio Editors Association.

A.F.C.E.A. ASWLC is a member of the Armed Forces Communication & Electronics Ass.

A.M.S.A.T. ASWLC is a member of the Amateur Satellite Corporation

ASWLC annual dues are \$7 via First Class Mail. Sample bulletins @ 50¢ first class.

POSTMASTER; Return to
16182 Ballad Lane
Huntington Beach
California 92647

FIRST CLASS MAIL



John F. Pinckney WPE4KJA
2903 School Street
Alexandria, VIRGINIA
January 22303
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"He stretcheth out the north over the empty place, and hangeth the earth upon
nothing." Job: 26:7 "Which maketh Arcturus, Orion, and the Pleiades, and the
chambers of the south." Job 9:9 "Canst thou bind the sweet influences of
Pleiades, or loose the bands of Orion?" Job 38:31.

ASWLC --- The Only Way To Go



"ASWL" C



OFFICIAL NEWSBULLETIN OF THE AMERICAN SHORTWAVE LISTENERS CLUB

Vol. 11

No. 9

FOUNDED: DEC. 1959

JULY 1970

EYES, EARS AND KNOWS

THE RADIO MOSCOW THAT ISN'T by Bill Ray

When you listen to Radio Moscow, it very often is not Moscow at all but one of the many Russian relay stations. During WW II I used to listen to Radio Moscow's rampages against the "Hitlerites" but the signal was so strong and on frequencies at hours not favorable for European stations I became suspicious. Careful listening detected static noises in, not on, the signal so this revealed it was a radio relay from Moscow to a transmitter probably in Siberia. Later on line noises could be observed on the signal so apparently both or either land-line and radio relay facilities were being used.

With the space age upon us and so many radio and TV relay satellites being put in orbit no doubt Russian satellites are being used to relay Radio Moscow to various transmitters throughout the Soviet Union. I have heard and read of Russian launching "communication satellites" so no doubt the "Radio Moscow's" we hear all the time are actually located in numerous other places within the USSR but the programming originates in the Moscow studios. The only identification I have ever heard other than Moscow is Kiev.

The Dutch World Broadcasting System sends its tapes to Bonaire in the Caribbean area and either re-broadcasts live or tapes from Hil-

versum of the news, other programming is taped far in advance. A similar 500,000 kw. station is now being erected in Madagascar by the Dutch government.

It would be most desirable for the BBC to build a relay somewhere in the Caribbean, such as British Honduras. This should eliminate the bothersome "flutter" so often suffered on the west coast from European signals, apparently because of the magnetic-polar path. The BBC, of course, has relays on Ascension Island in the South Atlantic, Ceylon, Cyprus, etc. The VOA has relays scattered all over the world in specific target areas

Cologne, West Germany announces as of June 3 a new relay for its programs. The transmitter site is at Sines, on the southwest coast of Portugal. Target area is Eastern Europe, using 49 31 and 25 meter bands.

The reason for all these relays, of course, is "local" type reception in the target areas and the Dutch use of Bonaire certainly proves the point. Before too many years go by we may be enjoying such "local" reception from strategically placed relays for all major nations. It may prove a boom for small poverty stricken Caribbean area nations and who knows, undoubtedly some day we may be watching TV shows from orbiting satellites from all over the world.

Now won't that be SUMPIN'?

The American Shortwave Listeners Club was formed in 1959 as a non-profit organization acting in the best interests of the hobby of Shortwave Listeners, everywhere.

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ANNUAL DUES: \$7.00 (1st class mail)
5.00 (3rd class mail)
Sample Bulletin - fifty cents.

HAPP Y STATION SKED
From DX Radio, Stockholm, Sweden
To Sept. 5, 1970
Sundays

GMT KCS .

0630 11730 Bonaire to New Zealand
0800 9715 Bonaire to Australia
0930 7205 Hilversum to Europe
6140 generally "live."
6020
1400 21480 Hilversum to SE Asia
17810 and Europe
6020
1830 21640 Bonaire to Africa
21570 Hilversum
15220 Hilversum
2000 9715 Hilversum to Europe
6085
6020
0200 11730 Bonaire to E.No.America
0500 11730 Bonaire to W.No.America
9715
0000 800 Bonaire

This, of course, is the Dutch World program taken over in January by Tom Meyer who replaced the beloved Edward Startz who has retired after conducting this popular program for many years.

Regretfully the Bulletin of the Ceylonese SWL Club, our "sister club" for the past four years, announces cessation of publishing. Dues will be refunded on a pro-rated basis.

Apparently apathy and shortage of interested Asian DXers brought about this regrettable demise.

NASWA-FRENDX for July reports that The European DX Council now represents 6500 DXers in 31 Clubs in 12 Countries.

Also in FRENDX are many complaints of Popular Electronics dropping its SWL columns. Tell your friends about ASWLC and remember there some 5000 DXers now hunting for new sources of information.

REMEMBER to use new PO state abbreviations when sending in reports to the Shortwave Review.

SWAPS NEWSLETTER
800 So. Sullivan G5
Santa Ana, CA 92704

ShortRAYves by Bill Ray

If you like to exchange QSLs, pen pal mail, tapes, DX exchanges, etc. the above publication may interest you. By, for example, exchanging tapes of your unidentified stations, perhaps the one you swap with may be able to identify. Or, perhaps you can show how loudly you receive that rare DX. For complete details use the above address.

The following news in English programs were logged in Mill Valley (seven miles north of the Golden Gate) Calif. during July, give 'em a try in August. Some are propaganda and quite vicious but all are interesting and informative.

GMT	Where	Kcs.
1800	Bombay, India	15080
2000	London, England	15070
		15400
	Hanoi, No. Vietnam	15023
2200	Ankara, Turkey	15160
2330	Johannesburg, So. Africa	5980
		9705
		9895
0000	London, England	15140
		15260
0100	Prague, Czechoslovakia	11990
0130	Berne, Switzerland	15305
		11715
0200	Bonaire, Dutch Antls.	11730
0230	Johannesburg, So. Africa	5980
		9705
		9695
0300	Lisbon, Portugal	15105
	Budapest, Hungary	9833
0330	Stockholm, Sweden	11705
0400	Sofia, Bulgaria	9700
0430	W. Germany	11785
0500	Kiev, Russia (Moscow)	11960
	Mexico City	11720
	Havana, Cuba	11760
0600	Soeul, So. Korea	15155
0700	Melbourne, Australia	15160

QSL's * VERIFICATION S From I.S.W.C.

As QSL is only an acknowledgement a verification is confirmation of reception, only if it bears the date and time of reception and the frequency that reception was made upon. Stations, shortwave clubs and publishers should not use the term QSL. If they do it is understood that it is only an acknowledgement that they are referring to. (sic) When sending in reception reports to stations request that if your report is useful the correct will they please put all the details on the verification, date, time and frequency. Without these details your reception is not proved.

SEASONAL CHANGES

Schedules of shortwave broadcasters now in use should remain as is until the first Sunday in September. At that time there will be the beginning of a shift to lower frequency bands. This is a seasonal change and operates for the following periods:

September and October
Nov., Dec., Jan. & Feb.
March and April
May, June, July & Aug.

Thus, there are four changes annually because of equinox changes.

NEW APPOINTMENT

With the resignation of Mike Macken as Station Data Editor, Jim Thornton of 935 Sunset Ave., Venice, CA 90291 has been appointed in Mike's place, effective with the Sept. issue.

WHEN ALL ELSE FAILS, READ THE INSTRUCTIONS

SWL to HAM

A recent letter to HQ regrets a member will not renew his ASWLC membership because he has recently become a ham and cannot afford the luxury of both SWLing and hamming. Inasmuch as Ye Editor is both a ham and SWL he feels the answer lies in what receiver is used. Obviously an all band general coverage receiver such as the Galaxy or HQ-180 will serve both hobbies adequately. However if a double conversion type of receiver is desired, the field narrows down to a very few. The two with which familiarity may be

boasted are the Drake R-4B and the Heathkit SB-310 receivers. Both provide 500 kc. band segments for both ham and International Broadcast bands. In fact the SB-310 is the same as the SB-301 (all ham bands) but the 10 and 15 meter bands are replaced by the 49 31, 25 19, and 16 meter bands and the 11 meter CB band. Heathkit also offers a conversion kit changing the 11 meter CB band to the 15 and 13 meter ham and shortwave BC bands. The R-4B offers the ham bands and ten other bands which may be set for any desired ranges with optional crystals.

With such receivers as these on the market both hamming and SWLing may be done with the same equipment. So, don't go 'way.

The flood of mail on your new Executive Editor's desk has prevented his getting around to answering those with questions and asking for appointments, etc. Sooner or later he hopes to get to them, so patience please! Much thanks for so many encouraging letters, they are appreciated.

RADIO FREE EUROPE

Charles W. Wood of Chicago sends a clipping from the July 20 issue of the Chicago Daily News telling of the needling of RFE by Communist Press and radio and vice versa. Written by Donald R. Shanor the article relates how people residing behind the Iron Curtain keep up with the remainder of the world by listening to RFE and how the Hungarian Revolution changed RFE's approach from promises of liberation and overthrow to encouraging trends toward liberalization and more freedom. This, of course, provokes radio and press retaliation from behind the Iron Curtain and seems to indicate that RFE's 20 year operation is bearing fruit.

Definition: A NITWIT is anyone driving faster or slower than you.

NEW DX HANDBOOK

A note from John Loseman of Rt. 2, Box 27, Batesville AR 72501 tells of the Batesville Shortwave Assn. new DX Handbook. This 24 page mimeographed publication sells at \$1.50 a copy. It tells the reader about everything from the antenna to propagation and is not too technical for the beginner.

HOLIDAY EXTRAS

Terry Ray Hicks sends a list of various holidays that might provide extra listening time for stations of those countries celebrating. May be a method of listening to stations on the air beyond normal schedules that are ordinarily QRMD and unreadable.

- Aug. 16 Independence Day-Cyprus
- 20 Constitution Day-Hungary
- 21 Independence Day-Afganistn.
- 23 National Day -Rumania
- 25 Independence Day-Uruguay
- 30 Victory Day-Turkey
- 31 Independence Day-Malaysia
- Sept. 3 Liberation Day-Brazil
- 15 Independence Day-CostaRca.
- Independence Day-El Salvdr
- Independence Day-Guatemala.
- Independence Day-Honduras
- Independence Day-Nicaragua

REMEMBER to use new PO state abbreviations when sending in reports to the Shortwave Review Editors. See July issue of SWL for complete list.

REMEMBER WHEN?

The BEC's lone shortwave station was G5SW 11750 kcs. at Chelmsford?

Medium wave KDKA was relayed on shortwave by W8XK?

The Belgian Congo was loudly represented on 9767 kcs. at Leopoldville?

VK2ME was Australia's strong representative on 31 meters?

Dutch East Indies had PLV on 31 meters?

Editor: Robert LaRose, 172 College Complex Cir. Apt 6, Rochester, NY, 14623

Welcome aboard. We've had some interesting mail in the last month so let's get right to it.

RECEIVER PRICES- A REBUTTAL The following comments come from Mr. David Flinn w2CFP/WB2QGK of STELLAR Electronics, Ithaca, New York:

"In reading the June issue of SWL, I was so struck by your comments in your paragraph about the Galaxy R-530 receiver that I felt I had to write to you.

First, let me state that what I am about to say is not meant to find fault with what you wrote. A signed column is naturally enough your opinion and you are entitled to this, but I felt that in fairness to the radio distributors, in general, I had to make a rebuttal to your comments.

I am referring to your comments regarding negotiations over price. Having been in the two way radio business, and largely in the ham market and having specifically sold both Hammarlund and Galaxy receivers, I just want to point out that the margin of profit available to the dealer on this type of equipment is just not so great that the average dealer can afford to price cut very far. I know it is done. We did it here in order to remain competitive, but you will note that I have phrased everything in the past tense. This is one of the reasons why we left this business. The big electronics discount houses have spoiled the market for the little guy who must offer competing discounts to get the business. Please don't misunderstand me. When I'm on the buyer's side of the counter, I like to get a good deal as much as anyone else does, but I just feel that it is wrong to encourage people to go out and fight for a discount. If it happens enough, your 'friendly radio store around the corner' may not be there much longer.

Again with specific reference to your mention of a recent sale of Hammarlund receivers at almost 30% off list price, I want to point out that in this particular case, it was done with the authorization of the Hammarlund factory and is essentially a close-out situation. I would hope that the readers of your column would not expect any such deal as this as a matter of course. If they do, there are going to be an awful lot of disappointed customers.

In summary, I would be greatly appreciative if you would point out some of these things to your readers just to be fairer to the local businessman from whom many of us acquire the products which give us pleasure."

Thank you very much for your comments Mr. Flinn, your points are well taken and, I am sure, have added a little insight to all of us.

MUX and RECEIVERS- A COMMENT John Kolb of San Diego, Calif. has written in with some interesting comments on last month's column:

"It never occurred to me that anyone in ASWLC didn't know that the Flying Buzzsaw was MUX, although I guess it should have. I worked with MUX for 3 of my four years in the US Navy. Been out for 4 years now so my info may not be too current. The Navy MUX broadcasts PTO

Editor: Robert LaRose, 172 College Complex Cir., Rochester, NY, 14623

MUX and RECEIVERS- A COMMENT (continued) ...would fall into three types; Fleet Broadcasts- designed for all the ships in a geographic location. This was 4 channel duplex (8 channel) at the time. These would be the most powerful, 100KW or so. Shore-to-Ship and Ship-to-Shore - for specific ships (flagships, the only ones with enough traffic load to rate MUX) with as much as 16 channels, 500W maximum for most ships.

Similar sounding to MUX is "acsimile, Radiophotographs; this is a rapid varying single audio frequency, with a high pitched pulse once or twice a second for synchronization.

Now for some hot news. I got a data sheet from Drake last week for the SPR-4 and the \$379 price was crossed out and \$449 substituted. If anyone is debating, they had better buy it quick. You're right, this has got to be the best receiver going for within twice the price. It came out a month after I bought my SB-310. Oh, was I ~~lucky~~!

REPORTING TO UTILITIES- SINPO, RST or WHAT ? Steve P. d'Adolf out there in Pacific land on Kwajalein Island writes:

"I have been sending reception reports to Utility and some SWBCers giving SINPO reception ratings and then pasting an explanation at the bottom of my report. Do you think that this is sufficient for a Utility report or should I forget this and reply in RST(do they all know what that means) ? Or should I always reply to them with reception conditions written out in full ?"

To get to the heart of the matter with reporting to Utilities, let me first say that they have little interest -other than curiosity- about how well you're receiving them. All they care about is how their receiver terminal(s) are receiving them. Let me next go on to say that while most of them have never heard of SINPO or SINFO, most of them have probably heard of RST. This later system actually gives them enough information to judge how well they were coming in, in terms that they are familiar with. Additional details as to interfering stations, etc. are also possibly of some interest to them although again, as long as their receiving terminal picks them up good they are perfectly satisfied. Take it from there Steve. Thanks for the question. NOTE: Remember that this column is here to answer your questions. If you have any questions about DXing (technical or otherwise) drop us a line. We will do our best to get it answered. Be sure to include a self-addressed-stamped-envelope with your question if you expect a reply by return mail.

RADIO TODAY- COLOR IT GONE The third issue (August) of RADIO TODAY recently crossed your editor's desk. Probably the first thing about it that caught my eye was the change in cover color, from red to yellow. Unless you're hung-up on colors this alone wouldn't be too significant. However, on close examination it was also noted that the cover "Masthead" had also gone through a transfiguration. It seems that the strangely reminiscent letters "CB" have now become much more prominent than SWL, Novice or Hobby. It certainly doesn't take a Sherlock Holmes to sniff this one out. Shades of DX(CB)DX(CB) Horizons, eh? This month's issue contained 11 of 80 pages connected with SWL/DX, the rest exclusively with CB. It seems that the time is here when we can color RADIO TODAY gone. 73s, gud DX & gud health. BOB

ANARC REPORT

By ASWIC Representative

Bill Sparks
1100 Hearst Building,
San Francisco, Ca. 94103

The ANARC Newsletter for July was short due to the vacation schedule for the Executive Secretary, Gray Scrimgeour. He expects to prepare the next news letter after the July 31 to August 2 ANARC Convention, so I will probably have a report on the convention next time.

DX Archives: Gerry Dexter reports that the Antique Wireless Association will be able to house DX archives for DXers. Gerry will have more details on this soon, including explanation sheets on the procedure of exhibiting material. Some of you may have forgotten about this project, to find a place to preserve QSL collections from estates and from DXers who no longer are active in the hobby and would like to have their collections saved.

BCB Verie Committee: Jerry Starr has announced that station WINN, 1240, is now verifying with a well-worded form letter and will attempt to clean up all old reports on hand. Signer is M. C. Scarsdale, chief engineer. IRCA is seeking a volunteer to work with Jerry on this project, and the "poor reports" work.

QSL Committee: Kris Lemna has received a reply from the Director General of Radio Damascus thanking him for interest in the station, and stating that he will try to verify reports as time allows. George Davenel has joined the committee this month. Richard Murphy has been sending thank you letters to Mexican stations that have been replying and urging their continued assistance.

I wish to apologize to QSL Committee member Mark Koukol for a typing error in April SWL in his address. Mark's correct address is: Mark Koukol, 1232 N. Eagle St., Naperville, Ill. 60540.

Address Changes:

QSL Committee member Ed Pyatt: 1715 Singleton Street, Conway, S. C. 29526.

Glenn Hauser, FR 448 42 7204, Box 1466, 388 CSG AFTN, APO San Francisco 96288.

Merit Certificates: ANARC's merit certificates have now been printed. These certificates are presented by the ANARC Man of the Year Committee periodically to worthy persons who have contributed to the benefit of the hobby. See the July ANARC report for details on the nomination procedure for these awards.

I end the column this month on a very sad note. Death has taken an ANARC Committee member. David Cheek, who has been very active in ANARC work on the DXers's Census, died of accidental drowning on June 5. Dave, who was 16 and a high school student in Denver, was a member of IRCA, and he will be missed very much by both the IRCA and ANARC.

KOREA (SOUTH)

- 15430 1112 V.O.F.K., Eng. Listener's Corner, fair, //9640, July 14, Kolb-Ca.
 15430 1100 V.O.F.K., Eng. Gen. Service, fair, //9640, good, June 29, Glotz-Pa.

KUWAIT

- 17750 0400 R. Kuwait, Eng., U.S. dance music & idents, poor, July 2, Glover-WA.
 15345 1850 R. Kuwait, U.S. pop music, Eng. news 1930 some days, 2100-, fair, July 2, Androw-IL.
 15345 1800 R. Kuwait, Eng. program and pop music, fair, July 5, Hudson-Al.
 15345 2030 R. Kuwait, U.S. pop music, very poor, July 6, 11, 12, Soneff-LA.
 15345 1830 R. Kuwait, Eng. news and pop music, fair, June 23, Seymour-NC.

LAOS

- 7145* 0515 Rdif. Nat., songs, 0530, //6130 and 5160, good, July 7, Hauser-Thailand.
 *New frequency.
 4615 1200 "Stani Withayu Krachaisiang...Paksane, unlisted and never before reported anywhere to my knowledge. 26/6 at 2359, mx in Eng, 27/6 0000 Lao anthem and ID, giving program schedule and freqs as 7385 and 4625(?)," good, Hauser-Thailand.
 6130 1245 Rdif. Nat., Eng. lang. lesson, fair, July 12, Stone-Ca.
 6130 1246 Rdif. Nat., Eng. lang. lesson, poor, July 18, Fisher-Ca.

LEBANON

- 11925 0230 R. Beirut, Eng. news to N.A., exc., July 1, Hudson-Al.
 11925 0318 R. Beirut, Ar.?, native music program, good, June 27, Glover-WA.
 11925 0230 R. Beirut, Eng. news, pop music, July 4, Seymour-NC.

MALAYSIA

- 11900 1545 R. Malaysia, lang, news/commentary, fair, June 21, Glover-WA.
 9660 1430 R. Malaysia, Eng., int. from N.H.K. 9670, good, June 26, Franklin-CA.
 11900 1700- R. Malaysia, lang, "rest s/o 1630," good, July 20, Balbi-CA.
 6170 1050 R. Malaysia, Malay & Chi., news, usual bell-like chimes, fair-moderate noise, June 17, Patterson-CA.
 9665 1410 R. Malaysia, Eng. news, good, July 14, Kolb-CA.
 11750 1312 B.B.C., Eng. news, fair, June 29, Kolb-CA.
 7120 1545 B.B.C., Eng. Letterbox, good, July 17, Wood-HI.
 11750 1718 B.B.C., Eng., tennis matches, //11955, good, June 27, Glover-WA.
 7120 1128+ B.B.C., interval signal with announcements "This is the Far Eastern Relay Station of the B.B.C.," fair, July 4, Fisher-CA.
 9725 1645 B.B.C., Eng. news, talks, poor, July 9, Sala-Ca.

MONGOLIA

- 5060 1540 R. Ulan Bator, Mongolian, talk, good, July 17, Wood-HI.

PAKISTAN, EAST

- 11648M 1600 R. Pakistan Dacca, lang, exotic music, good, June 21, Glover-WA.

PAKISTAN, WEST

- 17935 1545 R. Pakistan Karachi, lang talks to 1600-, poor, July 4, Glover-WA.
 11672 1946 R. Pakistan Karachi (TENTATIVE), oriental music, Eng. anmts., almost unusable, June 28, Zabransky-IL.

PHILIPPINES

- 9580 0930 P.B.S., Eng. news, fair until 0945 (int. from R. Australia), June 26, Christian-WA.
 15170 1330 R. Veritas (TENTATIVE), ?lang, poor, //11830, July 15, Kolb-CA.
 17875 1633 S.E.A.R.V., interval signal of "Joy To the World," announcing test to India at 1635 and requested reports to Box 4148, Manila, good, July 1, Hauser-Thailand.
 17875 1630 S.E.A.R.V., Eng., music program, idents. & request for reports, test broadcast, fair, July 4, Glover-WA.
 15210 1450 V.O.A., Eng. talk & music, poor, June 16, Sala-CA.
 15110 0810 V.O.A., lang news, music, good, July 10, Christian-WA.
 15440 1538 F.E.B.C., music & talk [language? RWF], good, July 8, Sala-CA.
 15440 1515 F.E.B.C., Eng. "Cowboy Joe," music, exc., June 26, Frankin-CA.
 11920 1147 F.E.B.C., Eng. religious program, good, July 12, "FEBC, Phil, is almost a pest here, they come in so often," Kolb-Ca.

PHILIPPINES (Cont'd)

15440 1530 F.E.B.C., Eng. news, exc, July 11, Arrington-CA.
 15440 1530 F.E.B.C., Eng. news, Sundays only, good, July 19, Balbi-CA.
 R.S.F.S.R.
 4795 1555, R. Ulan Ude, Rus., balalaika music, good, July 17, Wood-HI.
 12240 0420, R. Magadan, Rus., popular swing music, fair(V), July 8, MacKenzie-CA.

RYUKYU ISLANDS

7165 1100+ V.O.A., Eng., news, much int., June 30, Patterson-CA.
 14460 1705 V.U.N.C., Jap. [Are you sure it wasn't Korean, Mr. Pilkington? RWF],
 talk, exc., June 17, Pilkington-WA.

SARAWAK

7160 1438 R. Malaysia, Eng., news, poor, July 4, Fisher-CA.

SAUDI ARABIA

15150 0258 B.S.K.S.A., flute, band music, fair, July 12, Rowell-WA.
 15150 0339 B.S.K.S.A., Arabic music, good, June 20, Sala-CA.

SINGAPORE

11940 0900 R. Singapore, Eng., relay B.B.C. "David Copperfield," fair, July 13,
 Kolb-CA.
 11940 1445 R. Singapore, Eng., music, excellent, June 26, Franklin-CA.
 5999 1335 Singapore K.T. [What is K.T., Mr. Hauser? RWF], Chi., ad, ident, &
 music, good, July 7, Hauser-Thailand.
 5010 1400 B.F.B.S., Ind. lang, fair, July 16, Balbi-CA.

SYRIA

15165 2005 Syria B.&T., Eng., pop music, 2049-, good, June 29, Androw-IL.

THAILAND

11908 0930+ Broadc. Stn. Thailand, lang, Eng. ident, July 11, Balbi-CA.

TURKEY

15160 2200+ R. Ankara, Eng., fair, June 29, Hudson-AL.
 15160 2200+ R. Ankara, Eng. news, fair, July 6, Seymour-NC.
 15160 2200+ R. Ankara, Eng. news, good, int. from R. Havana, July 9, Androw-IL.

VIETNAM, NORTH

6718V 1349 Viet Bac Autonomous Regional Station, national music, good, July 6,
 Hauser-Thailand
 12038 0855 V.O.V., reading list of "anti-war GI's," good, July 5, Hauser-Thailand.
 15015 1300, V.O.V., [language?], talk, weak, June 27, Seymour-NC.
 10040 1530 V.O.V., Eng., poor, June 21, Sala-CA.
 15020 1603 V.O.V., native lang, exc., July 7, Sala-CA.

OCEANIA

AUSTRALIA

15425 0720 A.B.C. Perth, Eng., U.S. music, good, July 8, Rowell-WA.
 9610 1300 A.B.C. Perth, Eng. news, exc., July 3, Franklin-CA.
 6140 1425 A.B.C. Perth, pop music, fair, July 2, Arrington-CA.
 6090 0750 A.B.C. Sydney, Eng., stock market report, poor, June 29, Kolb-CA.
 4920 0724 A.B.C. Brisbane, Eng., pop records, fair, July 1, Pilkington-WA.
 9660 0630 A.B.C. Brisbane, Eng., A.B.C. programs, good, July 11, Rowell-WA.
 7500 1344 VNG, time pips, Eng. announcement, poor, July 4, Fisher-CA.
 17820 0405 A.B.C. Melbourne, music, very good, June 26, Seymour-NC.
 17840 0325+ A.B.C. Melbourne, African service, Eng., fair(V), //15105, fair(V), July
 8, MacKenzie-CA.
 17820 0330 A.B.C. Melbourne, Eng., news 0350, good, June 30, Goltz-PA.
 15240 0445 A.B.C., Melbourne, sports, cricket match, fair, July 10, Arrington-CA.
 17840 0100 A.B.C., Melbourne, Eng. program to Africa, exc., June 24, Franklin-CA.
 9680 0730 A.B.C., Melbourne, music, good, June 29, Kolb-CA.
 17715 0755 A.B.C., Melbourne, Eng., stock reports, exc., July 10, Christian-WA.
 6100 0900 A.B.C., Darwin (presumed), Eng. news, exc., June 26, Christian-WA.
 [I have wondered about the location of this station since I heard it
 first several months ago. I think that it is Darwin. Can anyone tell
 me for sure? RWF]

NEW BRITAIN

- 3385 1023 R. Rabaul, Pidgin & Papuan, chanting, news, poor, July 9, Patterson-GA.
3385 1220 R. Rabaul, Pidgin, semi-classics, poor, July 19, Fisher-CA.

NEW CALEDONIA

- 7170 1030 R. Noumea, Fr., pop music & talk, fair, June 30, Patterson-GA.
7170 0700 R. Noumea, Fr., string music & talk, fair, July 1, Pilkington-WA.
3355 0825 R. Noumea, Fr. music, usually RTTY covered, fair, June 29, Christian-WA.
7170 0720 R. Noumea, Fr. talks, good through CW, June 28, Glover-WA.

NEW ZEALAND

- 11705* 0900+ R.N.Z., Eng. news, fair, July 10, Balbi-CA (*replaces 11830)
15280 0515 R.N.Z., Eng., stories about rabbit hunting, good, June 19, Glover-WA.
15280 0600 R.N.Z., Eng., soccer match, exc., July 4, Goltz-PA.
9540 0605 R.N.Z., Eng., play, exc., June 30, Pilkington-WA.

PAPUA/NEW GUINEA

- 9520 0612 A.B.C., Eng. & ?lang, songs & Maori music, fair, July 8, Pilkington-WA.

TAHITI

- 11825 0455 R. Tahiti, Fr., good, heard nightly, June 24, Sala-CA.
11825 0300 R. Tahiti, Fr. & nat. languages, jokes & talks, exc., July 9, Rowell-WA.
11825 0540 R. Tahiti, Fr., records, much talk, fair, June 30, Pilkington-WA.

CLANDESTINE

- 8660 0425 Pathet Lao, talk, //8630 (louder), good, July 10, Hauser-Thailand.
9800 1402 Dai Phat-thanh Keu Do, Vietnamese, good, July 8, Hauser-Thailand.
[The majority of replies received seem to be against devoting much space to clandestine stations. The main reason given was that reception would be very unlikely for most of the members, who live in U.S.A. Thank you for your replies. RWF]

UNIDENTIFIED

- 5085 1200 Indonesia, "Stn hrd here is an RRI outlet, per ID at 1200 27/6, but QTH uncertain. Just before, had mx and open carrier, then joined Djakarta, along with a het on the relayed signal. Good. 54544."
7511 0735 "THAILAND? Weak station with obscure songs in English 0735 28/6; at 0801 anmt in Thai. 33353 GH."
5205 1459 "Indonesia. Yet another offband RRI outlet, but I can't make out the city; a recently sent list from Djakarta doesn't help either. This one on 7/7 at 1459 with Hawaiian-like mx, 1500 ID and news relay until 1515 when played anthem, then 3 rapid ascending chimes, Hawaiian music and sign off message; much like what I hrd on Pakanbaru's 5845. SINPO 32423 GH."

[Wtn. Glenn Hauser/FR 448 42 7204/Box 1466, 388 CSG AFTN/APO San Francisco 96288]

This month's contributors were MARK ANDROW, Lincolnwood; Ill., GERALD W. ARRINGTON, Selma, Calif.; AUGUST BALBI, Los Angeles, Calif.; TOM CHRISTIAN, Seattle, Wash.; CHARLES L. COOK, Los Angeles, Calif.; JAMES J. FRANKLIN, Los Angeles, Calif.; A. E. GLOVER, Port Angeles, Wash.; WM. GLENN HAUSER, Korat, Thailand; JACK HUDSON, Five Points, Ala.; JOHN L. KOLB, San Diego, Calif.; STEWART MAC KENZIE, Huntington Beach, Calif.; CARROLL R. PATTERSON, Decatur, Ga.; CHARLES PILKINGTON, Seattle, Wash.; S. M. ROWELL, Gig Harbor, Wash.; MARIO A. SALA, Inglewood, Calif.; WOODY SEYMOUR, Sanford, N.C.; JOHN T. SONEFF, JR., New Orleans, La.; BOB STONE, Los Angeles, Calif.; DR. RICHARD E. WOOD, Honolulu, Hawaii; JIM ZABRANSKY, Elmhurst, Ill.; GARY S. GOLTZ, Pittsburgh, Pa.; and myself. Thank you all for your support!

There must be many members of A.S.W.L.C. who have never contributed to "Shortwave Review," and to them I address these remarks: Don't be afraid to contribute. It's easy. Just tell the appropriate editor the name of the country, the frequency, the time, the name of the station, the language used, a few program details, the quality of reception, and the date. The editor will do the rest. Wouldn't it give you some satisfaction to see your loggings published? Try it!

July 24, 1970 Yours very truly, *R W Fisher* A.S.W.L.C. Asia/Oceania Editor

A.S.W.L.C. MEMBERS' INFORMATION CIRCULAR

Subject: Reporting to SHORTWAVE REVIEW

SHORTWAVE REVIEW is the section containing reports of shortwave loggings. Its purpose is to promote sharing of DX information among the members.

SHORTWAVE REVIEW is departmentalized, with separate editors for three geographical areas: Europe/Africa, Asia/Oceania, and The Americas. This permits editorial specialization in the stations of a given area and does not impose too great a work load on one editor who would otherwise have to prepare a column for stations all over the world. An additional advantage is that three editors with smaller columns can each submit their stencils to headquarters for publication much sooner.

Valuable features of SHORTWAVE REVIEW are the "Time Index" and "Frequency Index" columns, relisting all the loggings by time and frequency. Members should not send loggings directly to the Time/Frequency Index Editors, however, as those columns are compiled from data provided by the editors of the geographical sections.

Another separate feature of SHORTWAVE REVIEW is the "Station Data" column, a summary of current station broadcast schedules. Members are invited to send to the Station Data Editor any and all pertinent schedules, schedule changes, etc., as received from the various stations or heard broadcast by the stations reported.

SHORTWAVE REVIEW depends entirely upon material contributed by the club members. Although it is characteristic of an accomplished DX-er that he will contribute his good loggings for the benefit of his colleagues, it should not be thought that only experienced, accomplished members can contribute to SHORTWAVE REVIEW. All members are invited to contribute to SHORTWAVE REVIEW. Newcomers are especially encouraged to submit their good loggings and are reminded that the older members whose published loggings seem to be such difficult stations once were beginners themselves!

The procedure for reporting to SHORTWAVE REVIEW is easy. The stations reported should not be easy-to-get stations, such as the North American services of B.B.C. or Radio Peking. If in doubt as to whether a certain logging will be suitable for publication, it should be submitted and the editor will decide its suitability. Some members prefer to send copies of all their good loggings to all three geographical editors.

All stations heard should be recorded in a logbook. A 39¢ stenographic notebook is recommended as being convenient and economical. The following information, preferably in the following order, must be included in both the logbook and the report to the editor: name of country, frequency (approximations should be so indicated), time (in GMT), name of station, language of the program (?lang = unknown language), some details on the program content (news, classical music, weather report, etc.), quality of reception (excellent, good, fair, poor), and date (also in GMT). Any additional interesting information, such as stations causing interference, etc., also should be included. If it can be determined from an individual editor's column that he has a preference for still other information, such as, for example, the receiver used, that information also should be included.

At the beginning of each editor's column there will appear his name and mailing address. Contributions should be mailed to the editor to arrive on or before his deadline date, as stated at the beginning of his column. Whether typewritten or handwritten, reports must use only one side of the paper and must have at least a full space between listings. It would facilitate the editors' work if contributors would give their name and location after every listing to insure proper crediting after individual listings are cut into strips for editing. Ideally, loggings submitted for publication should appear as follows:

Classical music, 1200, 31 Feb. Smith, Alaska.

Sikkim, 12345 kc., 0000, Radio Gangtok, English,
news, excellent, 31 Feb. Smith, Alaska

Bhutan 54321 kc., 1234, Radio Bhutan Shortwave

Associate Editor: Carroll R. (Pat) Patterson
784 North Parkwood Road
Decatur, Georgia 30030

September Deadline: 21 Aug 1970 October Deadline: 18 Sep '70
(All times/dates are GMT)

RECEPTION REPORTSARGENTINA

6060 11 VII 1027 R. Nacional; Buenos Aires; Sp; Strauss waltzes;
excellent (Fisher, Calif)
6090 -- 2345 R. Belgrano; Buenos Aires; Sp; auto race;
good-usually blocked by Phnom Penh
(Hauser, Thailand). 25 VI, 0250; Sp;
LA mx w/chimes at s/off 0300 -into
RAE prgr; fair (Christian, Wash)
9690 1 VII 0130 R. Nacional; Buenos Aires; Sp; poor - QRM
fr RSA (Caldwell, Calif)

BOLIVIA

4823 9 VII 0305 Rdif Grigota; Santa Cruz; Sp; pop mx & ID;
s/off 0305; fair-usually very weak
(Sparks, Calif)
4980 12 VII 0300 (tent.) Em. del Estado; La Paz; Sp; long talks
& class. mx; low level voice modulation
-fair signal on mx - no satisfactory
ID yet (Sparks, Calif)
5026 10 VII 0250 R. La Cruz del Sur; La Paz; Eng; ID 0300;
very poor (Soneff, La) (CRP: WRTVH lists
on 4985 - has this one been given up?)
6005 9 VII 0400 R. Progreso; La Paz; Sp; classical mx; fair -
QRN (Caldwell, Calif)

BRAZIL

4755 11 VII 2230 Rdif do Maranhao; Sao Luis, Ma.; Port; gospel
prgr, @ 2257 gave local Sao Luis addr.;
fair - "still the best 60m LA stn here"
(Hauser, Thailand)
4755 15 VII 0342 (Tent.) R. Brasil; Campinas, SP; Port; NA pops,
ID garbled by extreme QRN, s/off 0400;
poor (Patterson, Ga.)
4765 11 VII 2336 R. Feira de Santana; Feira de Santana, Ba.;
Port; ID, pop tunes, speech by man @
2345, had troubles w/reomote pickup,
lots of hum; poor (Lobdell, Mass)
4875 12 VII 2315 R. Jornal do Brasil; Rio de Janeiro, Gu.; Port;
easy listening (high class) mx w/CID by
man "Jornal Brasil, Rio de Janeiro" @
2330; good (Lobdell, Mass)
5955 12 VII 2340 R. Gazeta; Sao Paulo, SP; Port; NA & Brazilian
mx, many IDs, some ads; fair (Palmer, Mich)
5965 13 VII 0035 R. Guiaba; Porto Alegre, RGS; Port; talks &
Brazilian mx, ID @ 0105; poor (Palmer,
Mich)
6000 13 VII 0005 R. Inconfendencia; Belo Horizonte, MG; Port;
NA & Brazilian mx; fair (Palmer, Mich)

BRAZIL (cont'd)

6025 14 VI 0257 Em. Piratininga; Sao Paulo, SP; Port; live sport event; poor (Lobdell, Mass)

6035 11 VII 0200 R. Globo; Rio de Janeiro, Gu.; Port; pop mx; good (Caldwell, Calif)

6135 19 VI 0830 Radio-TV Gaucha; Porto Alegre, RGS; Port; ID, many ads; noisy-poor (Lobdell, Mass)

9670 26 VI 0925 R. Diario da Manha; Florinopolis, SC; Port; NA mx; excellent (Christian, Wash)

9720 1 VII 0300 R. Nacional; Rio de Janeiro, Gu.; Port; class. mx; good (Caldwell, Calif)

11795 10 VII 0130 R. Nacional; Rio de Janeiro, Gu.; Port; mx; fair - QRM fr Mexican sta (Caldwell, Calif). 28 VI, 0140; Port; talk & some NA mx; poor (Zabransky, Ill)

11950 18 VI 0109 R. Ministerio da Educaçao; Rio de Janeiro, Gu.; Port; classical mx; fair (tentative) (Lobdell, Mass)

15155 11 VII 0130 R. Dif. do Sao Paulo; Sao Paulo, SP; Port; much dialogue, some Brazilian mx; excellent to past 0230 - hrd consistently well (Caldwell, Calif)

15180 12 VII 0200 R. Cultura da Bahia; Salvador, Ba.; Port; class. mx; fair - QRM (Caldwell, Calif)

15245 11 VII 0200 R. Marajoara; Belem, Pa.; Port; Brazilian mx; excellent - not hrd very often (Caldwell, Calif)

BRITISH HONDURAS

3300 30 VI 0030 R. Belize; Belize; Eng; details ?; good (Goltz, Penna)

CHILE

6115 11 VII 0400 R. Soc. Nac. de Agricultura; Santiago; Sp; mx & frequent IDs; good (Caldwell, Calif)

9570 12 VII 0300 R. Portales; Santiago; Sp; mx; fair (Stone, Calif) 11 VII, 1151; Sp; talk w/ frequent & clear IDs; good (Fisher, Calif)

9590 8 VII 2356 R. Presidente Balmaceda; Santiago; Sp; NA & LA light mx, ads & ID as "R. Presidente Balmaceda de Santiago" to 0020; fair - QRM fr BBC (Palmer, Mich)

COLOMBIA

4955 29 VI 0330 R. Nacional; Bogota; Sp; symphony mx, gongs & ID @ 0345; good (Glover, Wash)

5020 9 VII 0346 Trans. Caldas; Manizales; Sp; ID & into local dance tunes; fair (Lobdell, Mass)

5970 11 VII 0930 (tent.) R. Horizonte; Bogota; Sp; talk; variable - QRM fr R. Canada before their s/off at 0930 & fr a Russian signing on at 1000 (Fisher, Calif)

6040 1 VII 0330 LV de Tolima; Ibague; Sp; Colombian mx; good (Caldwell, Calif)

6065 27 VI 0230 LV del Llano; Villavicencio; Sp; 3 chimes, ID, into Colombian mx; fair (Lobdell, Mass). (was on 6115; Mr. Christian: This prob. yr unidentified Colombian. CRP)

COLOMBIA (cont'd)

6075 21 VI 0317 R. Sutatenza; Bogota; Sp; LA mx; fair (Palmer, Mich)
 6115 29 VI 0850 Ondas del Meta; Villavicencio; Sp; mx w/freq. IDs; good (Christian, Wash) (CRP: old freq. was 4885; obviously took over this one when LV del Llano moved to 6065)
 6140 3 VII 1000 R. El Sol; Cali; Sp; mx and ID w/chimes; good (Christian, Wash)
 6160 11 VII 1044 Emis. Nueva Granada; Bogota; Sp; talk; good (Fisher, Calif). No date, 0300; Sp; mx; fair-QRN (Calidwell, Calif)

COSTA RICA

6037 8 VII 0300 El Faro del Caribe; San Jose; Sp; mx; fair (Caldwell, Calif)
 6150 12 VII 0540 R. Atenea; San Jose; Sp; NA pops & ID; fair (Sparks, Calif)
 9615 12 VII 0300 LV de la Victor; San Jose; Sp; mx; good (Stone, Calif). 18 VI, 0320; Sp; Classical mx & IDs; good (Zabransky, Ill). (CRP: Glad this one is back on - sometimes plays some good mx)
 9645 21 VI 0258 El Faro del Caribe; San Jose; Sp into Eng; ID as "TIFC, the Lighthouse of the Caribbean", religious prgr; good at 0300 & steadily declined to 0313 fade out (Palmer, Mich)

DOMINICAN REPUBLIC

4795 14 VII 0417 Onda Musical; Santo Domingo; Sp; LA mx, including "Amapola", a pop in the States when your ole' Assoc. Ed. was a young buck; full IDs, s/off 0437; good (Patterson, Ga)
 9505 10 VII 0330 Radio-TV Dominicana; Santo Domingo; Sp; NA pops, freq. IDs & ads; fair to good (Caldwell, Calif)

ECUADOR

3340 29 VI 0525 La Estacion de la Alegria; Esmeraldas; Sp; mx, no ID noted; poor-extreme RTTY (Christian, Wash)
 3390 8 VII 1022 R. Zaracay; Santo Domingo de los Colorados; Sp; Ecuadorean mx, ads, many IDs fr s/on @ 1022 to past 1040; poor (Patterson, Ga.)
 4807 10 VII 0530 R. Popular Independiente; Cuenca; Sp; Ecuadorean mx & ID; fair-back on old freq. again after several weeks on 4801 (Sparks, Calif)

EL SALVADOR

5981 21 VI 0400 R. Nacional de El Salvador; San Salvador; Sp; mx & nx; good (Glover, Wash)
 9555 21 VI 0330 R. Nacional de El Salvador; San Salvador; Sp; mx & IDs; fair thru RTTY (Glover, Wash) Mr. Glover hrd 17 VI w/R. Nederland prgr at 0400.

GRENADA

11970 5 VII 0120 W.I.B.S.; St. George's; Eng: "Sunday Serenade"
prgr to Jamaica & BBC nx @ 0200; good
(Franklin, Calif). 6 VII, 0010; Eng; operet
-ta, drama; fair (Fisher, Calif)

GUATEMALA

3360 11 VII 1120 LV de Nahuala; Nahuala; Sp; mx & talk; poor
(Fisher, Calif)

3380 17 VII 0406 R. Chortis; Jocotan; Sp; NA & LA mx, few IDs
but clear as "Radio Chortis"; s/off at
0508 two nights in a row - WRTVH says s/
off at 0200; fair - much QRN (Patterson, Ga).
11 VII, 1134; Sp; mx; fair (Fisher, Calif).
30 VI, 0500; Sp; mx; s/off w/"Bonanza"
(Christian, Wash)

5955 11 VI 0400 R. Cultura; Guatemala City; Eng; religious prgr.;
poor-QRM (Zabransky, Ill)

6180 7 VII 0300 LV de Guatemala; Guatemala City; Sp; LA & NA
pop mx; good (Caldwell, Calif). 9 VII, 0338;
Sp; classical mx w/clear ID; fair (Lobdell,
Mass)

11700 10 VII 0200 R. Nacional; Quezaltenango; Sp; nx; good (Cald-
well, Calif)

HAITI

11835 2 VII 1100 R. Sta. 4VEH; Cap-Haitien; Eng; religious prgr;
// 15.280; good (Goltz, Penna.)

15280 19 VI 1200 R. Sta. VEH; Cap-Haitien; Eng; nx; fair (Seymour,
NC) (CRP: Mr. Seymour: WRTVH-70 says this
freq. w/call sign of 4VWI is 100 watts
& is experimental)

HONDURAS

6050 10 VII 0400 R. America; Tegucigalpa; Sp & Eng: ½ hr nx
in Sp w/Eng request for reports, s/off
at 0505 (Christian, Wash)

6125 4 VII 0536 R. Suyapa; San Pedro Sula; Sp; long commentary
& ID which included call sign; fair
(Sparks, Calif). 9 VII, 0331; Sp; talk by
man; fair w/het (Lobdell, Mass)

MEXICO

6115 8 VII 0300 R. Universidad de Sonora; Hermosillo; Sp;
classical mx; fair-QRM (Caldwell, Calif).
11 VII, 1800; Sp; classical mx; fair -
"XEUDS is abt. the only sta. I can hear
on 49 meters at this time" (Fisher, Calif)

9515 10 VII 0330 LV de la America Latina; Mexico City; Sp;
dramatic prgr; excellent (Caldwell, Calif)

11880 2 VII 0130 Rdif. Comerciales; Mexico City; Sp; nx of LA;
good (Caldwell, Calif)

15110 7 VII 1915 Rdif. Comerciales; Mexico City; Sp; mx to tune
out 1955; excellent (Soneff, La.). 11 VII,
0030; Sp; LA pop mx w/freq ads; fair
(Caldwell, Calif)

NETHERLANDS ANTILLES

11815 30 VI 0030 Trans World Radio; Bonaire; Eng; IS and opening; very poor & inaudible most days - heavy splatter fr VOA, Tinang, Philippines on 11805; poor (Hauser, Thailand)
(CRP: WRTVH-70 lists on 11.800 & 11.820)

NICARAGUA

11876M 17 VI 0305 Rdif. Nac. de Nicaragua; Managua; Sp; "Radio Canada Presents" prgr; good (Glover, Wash) 7 VII, 1430; Sp; mx to tune out 1455; good (Soneff, La). 11 VII, 1630; Sp; talk; poor (Fisher, Calif)

PERU

For Dr. Bill Caldwell, Los Angeles: Mr. Tom Christian of Wash. state writes "As to the Peruvian station on 6095, I have heard IDs many times as 'Radio Nacional Mil Ochenta' with 'Radio Nacional' given as a short name." CRP: Bill, maybe that's your answer?

494975 13 VII 0230 R. del Pacifico; Lima; Sp; gospel mx & ID; fair but QRM (Sparks, Calif)
6045 8 VII 0300 R. Santa Rosa; Lima; Sp; ads & freq. IDs; good (Caldwell, Calif)
6095 8 VII 0330 R. Nacional Mil Ochenta/R. Nacional; Lima; Sp; mx; fair - QRM (Caldwell-Calif)

VENEZUELA

4770 16 VII 0347 R. Bolivar; Ciudad Bolivar; Sp; was relaying a R. Rumbos, Caracas, network prgr - mostly talk, s/off 0405; fair (Patterson, Ga.)
4860 4 VII 0356 R. Maracaibo; Maracaibo; Sp; pop mx, complete ID incldg call sign at s/off; usually impossible to copy due to open carrier of Br. Columbia phone ute which is always on the air - Sparks, Calif.
4899.5M 28 VI 0327 R. Juventud; Barquisimeto; Sp; country mx w/ Eng. lyrics; good (Glover, Wash)
6170 8 VII 0958 R. Nacional; Caracas; Sp; s/on with Nat. Hymn, into classical mx; good (Christian, Wash). 9 VII, 0045; Sp; mx to tune-out 0105; poor to fair (Soneff, La)
9660 20 VI 2230 R. Rumbos; Caracas; Sp; LA mx, ads, sports; fair (Palmer, Mich). 12 VII, 0300; Sp; mx; fair to tune-out 0330 (Stone, Calif)

CREDITS

Muchas gracias to the following reporters who despite it being mid-summer took the time to report to this section of Short Wave Review:

Dr. Bill Caldwell	Los Angeles, Calif.	SW4-A
Tom Christian	Seattle, Wash.	
Bob Fisher	Los Angeles, Calif.	
Jim Franklin	Los Angeles, Calif.	Zenith

CREDITS (cont'd)

Art Glover	Port Angeles, Wash.	HQ180A
Gary Goltz	Pittsburgh, Penna.	DX120
Glenn Hauser	Thailand	
Chris Lobdell	Reading, Mass.	SW-4A
Tom Palmer	Detroit, Mich.	S-200
"Pat" Patterson	Decatur, Georgia	SX-99
Woody Seymour, Jr.	Sanford, N. C.	DX120
John Soneff, Jr.	New Orleans, La.	HQ180A
Bill Sparks	San Francisco, Calif.	R-4B
Bob Stone	Los Angeles, Calif.	
Jim Zabransky, Jr.	Elmhurst, Ill.	SB310

COMMENT

A special thanks to my fellow Associate Editor Bob Fisher for the special edition of his 'Lisfit Manor' news pertaining to the Western Hemisphere only.

Are any of you regular reporters stamp collectors? Since Aug/68 I have retained all foreign stamps, and some US, that have come my way. The first regular who requests them will be sent those stamps with my compliments, and will, from time to time, be sent more as they are received. The first request from a regular reporter will be the person to whom the stamps are sent.

This issue marks ten months of life for "Short Wave Review-The Americas". My personal thanks are extended to every member who has reported to this section of SWR - one time or ten times. A special thanks to: Dr. Bill Caldwell, Tom Christian, Dan Ferguson, Bob Fisher, Art Glover, Glenn Hauser, Steve Kamp, Chris Lobdell, Chas. Pilkington, Ron Redman, Bill Sparks, and Dave Williams. These men have been with me most of the way; some, all the way.

It would seem to me that all of us are having little or no luck in hearing and logging Paraguay, Uruguay, French Guiana, Surinam, and Greenland. There have been a few reports on most of these during the past ten months but, in reality, little activity from those countries. Personally, I've never heard any of them.

Despite the summertime static, I've had pretty good luck with 60 & 90 meters over the past 1½ months or so. For example, this morning (18 July) I heard OX5X, Radio Nazca, Nazca, Peru, on 4.790 mc. fr. 0443 to 0515 (GMT). The signal of this 400-watter was weak and reception was just plain lousy due to EXTREME atmospheric noise but I did get a clear ID - somehow! I consider this station one of my best Latin American catches.

Beginning with the Sep/70 issue of "SWL" there will probably be a change in format of the three sections of Short Wave Review. Chris Lobdell has suggested, and rightfully so, that the three sections of SWR should be in the same format and style. He, Bob Fisher and I are trying to work something out in time for the Sept. issue.

Buena Suerte,

(SWR-the Americas, page 6)

"Pat" Patterson

EUROPE

CHRISTOPHER LOBDELL
149 Walnut Street
READING, MASS 01867
USA

AFRICA

SEPTEMBER DEADLINE: August 22ndOCTOBER DEADLINE: September 18th

TIME IN:

GMT

DEDICATION

This month's section of the Short Wave Review is being dedicated in the memory of the late Donald W. Billingsley. His tragic death came as a shock to all of us who were associated with Don. He was the organizer of the Country Chasers Corner and the Short Wave Review as it is today. We will never forget this great man who contributed so much the hobby. Rest in peace, Don.

ALBANIA

9804 0005 R. Tirana: English nx + mx (fair 20 June; Ganscoe-IL)

AUSTRIA

9770 0200 Austrian R, Vienna: in language (German? crl) (fair 3 July Soneff-LA)
15145 0030 Austrian R: English program (good; Hudson-AL)
15145 0100 Austrian R: in German w/light mx (good 1 July; Caldwell-CA)
15200 1800 Austrian R: s/on in German w/Eng nx @1830 (fair 8 July; Balbi-CA)
15410 0600 Austrian R: s/on in German (fair 6 July; Seymour-NC)
17740 0400 Austrian R: English to SE Asia (good-exc 2 July; Goltz-PA)

BELGIUM

15330 2300 R-TV Belge, Brussels: "Belgium Speaking" in English till 2313 (good 13 July; Stowell-IN)
17865 1800 R-TV Belge: Dutch program (good 8 July; Balbi-CA)

BYELORUSSIA

15150 2315 R. Moscow, Minsk: in English w/local nx (good 10 July; Koukol-IL)

CLANDESTINE

15085 2303 R. Euzkadi: w/Spanish nx + ID to 2305; then mx IS to s/off @2308 (good 10 July; Koukol-IL)

CZECHOSLOVAKIA

17840 1612 R. Prague: in Czech and English w/band mx (fair 30 June; Pilkington-WA)

DENMARK

15165 1200 R. Denmark-VOD: IS, ID in Danish I guess; but then I can't speak Danish, a fact Radio Denmark seems to have forgotten. (agreed! crl) (11 July; Seymour-NC)
15165 1330 R. Denmark: Danish talks (poor 4 July; Fisher-CA)

FINLAND

15185 1705 FBC, Helsinki: Swedish? to Europe (fair 4 July; Glover-WA)
15185 1808 FBC: English to Europe (fair; Sala-CA)(poor 14 June; Zabransky-IL)
15185 2217 FBC: English talks (fair 10 July; Koukol-IL)
15185 2300 FBC: English to NA (exc 5 July; Goltz-PA)(fair; Hudson-AL)

FRANCE

15120 2312 ORTF: French talks + mx (exc 10 July; Koukol-IL)
15120 0000 ORTF: Spanish to 0030; then French to 0100 tune out (11 July; Soneff-LA)

EUROPE

FRANCE(cont)

15120 0030 ORTF: French program (v good 11 July; Caldwell-CA)
 21645 1503 ORTF: English nx + traffic report (exc; Seymour-NC)

GERMANY(West)

11795 0545 Deutsche Welle, Kolon: in English (good 6 July; Pilkington-WA)

GREAT BRITIAN

9625 2115 CBC (relay): Polish program (poor 19 June; Palmer-MI)
 11915 1900 VOA, Woofferton: English ID; into Albanian program (Macken-MA)
 15070 1330 BBC: Tony Brandon's pop mx show; in English (good 6 July; Seymour-NC)
 15070 2205 BBC: "The World Today" nx in English (good 17 June; Pilkington-WA)

HOLLAND

11730 2230 R. Nederland, Hilversum: English commtry (exc 23 June; Gansco-IL) Note: all Radio Nederland xmsns via Bonaire should be reported to Patterson!! It is the xmtr location that counts, not the studio. crl
 15425 2145 R. Nederland: "Happy Station" program; in English (exc 28 June; Getzel-NY)
 21640 1830 R. Nederland: English nx //21570 (Hudson-AL)

ITALY

21560 1830 RAI, Rome: program in Italian (v good 24 June; Seymour-NC)

MONACO

6085 0330 Trans World Radio, Monte Carlo: in language to Africa; English ID @0350 (fair 14 June; MacKenzie-CA)

NORWAY

11735 0335 R. Norway, Oslo: talks in Norwegian (good 25 June; Glover-WA)
 11860 0330 R. Norway: talks in Norwegian (fair 23 June; Glover-WA)
 11860 0420 R. Norway: discussion program in English (good; Sala-CA)
 17795 2100 R. Norway: s/on in Norwegian (good 23 June; Seymour-NC) (fair 6 July; Glover-WA)
 17825 1520 R. Norway: nx in Norwegian w/English ID (fair 19 June; Pilkington-WA)

POLAND

11870 0315 Polish Radio, Warsaw: English commtry + nx (fair 10 July; Caldwell-CA)
 15275 0200 Polish Radio: tourist talk in English (8 July; Balbi-CA)
 15275 0230 Polish Radio: English to NA (exc 23 June; Glover-WA)

PORTUGAL

9665 0400 Deutsche Welle, Sines: Rumanian program to 0415; then into Bulgarian (fair 7 July; Glover-WA) This is the new relay base for DW which is still under construction, although one xmtr has been completed. Good catch, Art! crl
 17880 0730 R. Portugal-VOW, Lisbon: English nx //21495 (fair 27 Jun; Balbi-CA)
 17880 1713 R. Portugal: English program (good 17 June; Pilkington-WA)
 21700 1930 R. Portugal: Portuguese program to Africa (fair 17 June; Glover-WA)

RSFSR(European)

11700 0015 R. Peace + Progress,?: English program (exc 23 June; Getzel-NY)
 11965 0030 R. Kiev,?: English program (good 27 June; Getzel-NY)
 11990 0430 R. Kiev,?: English mailmag show (exc; Sala-CA)

EUROPERSFSR (European)

- 15065 2300 R. Moscow: English to NA; sometimes heard mixing with Radio Kiev @2330. New frequency. (fair-good; Macken-MA)
- 15100 2057 R. Peace + Progress: noted w/English program @ s/off (fair; Macken-MA)
- 15150 2230 R. Vilnius, Minsk?: English program on Sunday (good; Macken-MA) Note: programs in English from R. Vilnius + R. Kiev are taped in their studios but are broadcast over Moscow xmtrs. Since it's the xmtr location that counts, these programs count as RSFSR. In order to hear such countries as Kiev, Vilnius, etc. you must hear the Home Services of these stations over their own xmtrs. crl
- 15350 1452 R. Peace + Progress: anti-capitalist propaganda; in English (fair 4 July; Fisher-CA)(fair 14 July; Lobdell-MA)
- 20040 0457 R. Moscow: classical mx w/Russian anmts (poor 5 July; Glover-WA)

SPAIN

- 9360 0200 RNE, Madrid: Spanish program (good 20 June; Seymour-NC)
- 9360 0423 RNE: in Spanish w/beautiful Spanish tunes by a man with a good voice (good 14 June; Patterson-GA)
- 9360 1040 RNE: Spanish program (exc 2 July; Franklin-CA)
- 15195 2300 RNE: s/on in Spanish; QRM from BBC-15200 kHz (Hudson-AL)

SWEDEN

- 15315 1100 R. Sweden, Stockholm: English to NA. Annecd that if more reports weren't received on this xmsn, it would be discontinued (good 17 June; Seymour-NC) I would suggest that if you want this xmsn to continue, tell Radio Sweden. crl
- 17840 0518 R. Sweden: pop mx w/English anmts (good 10 July; Pilkington-WA)

VATICAN STATE

- 11740 2000 Vatican R: s/on in language; English nx 2045 (fair 9 July; Balbi-CA)
- 15165 0107 Vatican R: IS, bells, French to Canada (good 27 June; Mac Kenzie-CA)
- 15210 1540 Vatican R: religious mx + talks (poor 30 June; Pilkington-WA)
- 17840 1013 Vatican R: English "Report from the Vatican"; into French 1015 (poor 17 July; Lobdell-MA)

AFRICAANGOLA

- 5960 0500 Voz de Angola, Luanda: ID, Portuguese talks + mx (poor 22 June; Zabransky-IL)
- 5963v 0530 Voz de Angola: Portuguese mx + ID; frequency drifting. (good 6 July; Sparks-CA)

ASCENSION IS

- 6075 0359 BBC: local ID; English to SW Africa (good 14 June; Mac Kenzie-CA)

BOTSWANA

- 4845 0410 R. Botswana, Gaborones: US pops till 0500 GMT; then Afro mx w/anmts in vernacular (28 June; Sparks-CA)
- 4845 0440 R. Botswana: (tent) English talks + mx; barely readable (poor 4 July; Glover-WA)

CANARY ISLANDS

- 11800 0444 RNE, Tenerife: Spanish mx + talks (exc; Sala-CA)
- 15365 0034 RNE: instrumental mx w/Spanish anmts (good 4 July; Zabransky-IL)

AFRICA

CONGO (Dem Rep)

15245 0505 RTNC, Kinshasa: Afro mx w/French anmts (good 19 June; Glover-WA)

CONGO (Rep)

15190 1930 R. Brazzaville-ORTF: French talk + mx (poor; Sala-CA)
17730 0515 R. Brazzaville: English nx from Paris //15190 + 11725 (strong 8 July; Balbi-CA)

DAHOMY

4870 0532 R. Dahomey, Contonou: ID, into French talks (fair 16 July; Lobdell-MA)

ETHIOPIA

11795 0328 ETLF, Addis Ababa: English ID; French to Madagascar (fair 26 June; Glover-WA)(good; Sala-CA)
15315 1533 ETLF: organ + choir mx w/English + language anmts (fair 17 June; Pilkington-WA)

GABON

4777 0430 R-TV Gabonaise, Libreville: s/on w/IS, anthem, ID in French into pop mx (fair 23 June; Sparks-CA)

GHANA

4915 0600 GBS, Accra: English nx (fair 10 July; Balbi-CA)
11850 2000 R. Ghana, Ejura: English to NA (Hudson-AL)(exc 29 June; Goltz-PA)(good 8 July; Seymour-NC)
11850 2015 R. Ghana: English program (v good 16 June; Palmer-MI)
11850 2030 R. Ghana: English talks + mx (fair 27th June; Getzel-NY)
21545 1500 R. Ghana: English program (good; Sala-CA)

GUINEA (Equatorial)

6250 0515 R. Santa Isabel, Fernando Poo: s/on in Spanish w/folk mx (fair 13 July; Sparks-CA)

GUINEA (Republic)

7125 0700 R. Nationale, Conakry: in French (more details please crl) (fair 10 July; Balbi-CA)
15310 0700 R. Nationale: in language (more details August) (fair 10 July; Balbi-CA) Are the two outlets in //? You didn't mention it in your letter.

IVORY COAST

11920 0600 R-TV Ivoirienne, Abidjan: French program (good; Sala-CA)
11920 2235 R-TV Ivoirienne: in French w/mx (good w/DW QRM 6 July; Soneff-LA)

LIBERIA

7175 0600 VOA, Monrovia: s/on in French (good; Sala-CA)
11975 0705 ELWA, Monrovia: religious program in English (good 21 June; Seymour-NC)
15360 1640 VOA: English w/Malawi dance mx (good 2 July; Glover-WA)
15445 1630 VOA: English w/pop mx (fair 4 July; Soneff-LA)

MOROCCO

5965 0300 VOA, Tangier: English ID; into nx (fair 20 June; Palmer-MI)
6170 2221 RTM, Sebaa-Aioun: Arabic chanting w/ID into nx @2300 (good 14 July; Lobdell-MA)
9615 0605 RTM, Tangier: (tent) Arabic talks (poor 14 June; Zabransky-IL)
9615 0750 VOA, Tangier: French talks (good 1 July; Pilkington-WA)

NIGERIA

6090 0430 R-TV Kaduna: s/on w/IS + English ID, into native chanting (good 10 July; Koukol-IL)
7305 0500 NBC, Enugu: s/on w/IS + local ID for Enugu; into religious program + pop mx w/English anmts (good 14 July; Koukol-IL)
9570 0616 R-TV Kaduna: English nx (good 4 July; Goltz-PA)

NEW EDITOR: JIM THORNTON
935 SUNSET AVENUE
VENICE, CALIFORNIA. 90291.

RETIRING EDITOR: MICHAEL MACKEN
64 COURT ROAD
WINTHROP, MASS. 02152.

SPECIAL NOTICE

This will be the last column done by myself. I have deemed it in the best interest of the club, that a new editor be found to do this column. As you can see Jim Thornton is the new editor. This coming fall schooling and working will take the bulk of my time and in all fairness to the club and myself I have resigned. Please do all of you be kind enough to give Jim a nice welcome and help him by reporting to the column as often as possible. I enjoyed the column and it was a nice way to know something about the fellows that do report through personal contacts of letters. I will be active in reporting to the various other columns this season and any comments, suggestions, questions, etc, are most welcomed as I will continue as a member of the Board of Directors. ASWLC will be as good as you allow it to be. Thanks to the many fellows who were kind enough to support me.

We can't let this occasion pass without mentioning the passing of a good friend and DX'er Don W. Billingsley. It was indeed a shock to hear of his untimely death and to those who knew him, indeed his memory will linger on. Don started the loggings section as we know it now and was an excellent editor and his contributions to the club were many. A serious and yet fun loving fellow, may he rest in peace.

SEYCHELLES. FEBA from 0100-0330 on 15185 in Sinhalese, Hindi, Marathi, Gujarati, Telugu and English. From 1300-1345 in Kanada, Malayalam and Tamil on 15265. From 1400-1500 in English on 15265 and again from 1530-1630 in Hindi, Marathi and Gujarati. (Steven P. D'Adolf-Marshall Islands)

MOROCCO. Radio Rabat is broadcasting on 15245 at 0630-0900 and 1200-1400 in French; in Spanish 1400-1500 again on 15245; in Arabic on 15345 from 1200-1800, 1800--0000 on 6190 and 6170, again on 9615 and 15345 0630-0900/ English at 1700 and French at 1800 on 11735 and Spanish on 15360 from 2230-0000. (Terry Ray Hicks-Florida)

EAST & WEST PAKISTAN. From our good friend Chris Lobdell we have the most comprehensive schedule yet. The External Services may be heard to the United Kingdom 194502030 on 11672 and 9465 in English and Urdu. South East Asian Service 0015-0100 on 11672 and 9465. East and South African Service from 0345-0500 on 15360 and 17945 in Urdu, Gujarati, English and Swahili. Indonesian Service 0845-0930 on 21590 and 17945 in Indonesian and English. Burmese Service from 0945-1030 on 21590 and 17945 in Burmese. Afghan Persian & Tur Service from 1615-1700 on 7215 and 6235 in Afghan Persian and Turkish. South Asian Service 1045-1145 on 11672 and 9560 in English and Hindustani. Iranian Service from 1615-1700 on 9700 and 7275 in Iranian. Arabic Service 1730-1830 on 17945 and 11672. Turkish Service 1845-1930 on 11672 and 9465 in Turkish and English. The General Overseas Service from 0830-0845 on 21590 and 17845 and to the Middle East 1335-1350 on 21590, 17945, 6235 and 7090. (Chris Lobdell-Massachusetts)

73's & Peace

Michael J. Macken

Editor: Paul Mayo, 2409 Ocean Parkway, Brooklyn, New York 11235

Deadlines: For Sept "SWL": Aug 27. For Oct "SWL": Sept 24.

ALL TIMES ARE GMT

From The Log

North & Central America

ALASKA:

8905 1255 Anchorage Aeradio AM Wx Bc (d'Adolf)

BARBADOS:

9970 0302 C&W Ltd, Bridgetown SSB Eng TT (Koukol)

BERMUDA:

396 0533 ZBB, Bimini CW Aviation Beacon(Treftz)

6785a 0930 C&W Ltd, St Georges SSB Eng TT (Kamp)

6862.5 2302 " " " " " " " (Koukol)

5765 0450 " " " " " " " (Handler)

11472 1445 " " " " " " " (Handler)

CANADA:

2558 0535 CFW300, Vancouver Mrne Op, clg "The Vandal" (Kamp)

6350 0415 VAI, Vancouver CW "V" Mkr (Christian)

6445 $\frac{1}{2}$ 0440 CKN, Vancouver CW "V" Mkr (Christian)

8786.4 0237 VCS, Halifax CW CQ Mkr (Koukol)

8813.4 0418 VAI, Vancouver, clg "Quadra" (Kamp)

17228 2224 CKN, Vancouver CW "V" Mkr (Koukol)

COSTA RICA:

17600a 1245 Radiografica Costarricense, San Jose AM Eng TT(Handler)

HONDURAS:

5779 0025 HQL2, LaLima with CW Marker(Mkr) (Treftz)

JAMACIA:

15620 1746 C&W Ltd, Kingston SSB Eng TT (Koukol)

MARTINIQUE:

9072 0200 FUF, Ft de France CW CQ mkr clg"FAAN"(Treftz)

MEXICO:

15888 0210 Azteca City T&T SSB Sp/Eng TT (Christian)

21900a 1450 " " " " " " " (Handler)

20300 1730 " " " " " " " (Christian)

NICARAGUA:

4803.5 0255 YNA2, Managua CW w/mkr (Treftz)

PANAMA:

10670 0118 TRT, Panama City SSB Eng/Sp TT (Handler)

PUERTO RICO:

10106 0029 AACR, San Juan SSB Eng TT (Koukol)

11483 0650 NAU3, Ft Allen SSB Eng TT (Christian)

SWAN ISLAND:

407 0535 SWA, Swan Is. CW Aviation Beacon (Treftz)

U.S.A.:

2506 0445 KOE, Eureka, CA Mrne Op Wx Bc (Kamp)

2522 0527 KOW, Seattle Mrne Op Clg "WJMV" (Kamp)

2670 0500 USCG, Westport, WA AM Radio Ck (Christian)

4415.8 0537 WMI, Lorain Ohio Radio AM Wx Bc (Christian)

8181 0415 US Aerospace Comm, Md SSB Eng TT (Christian)

8905 1006 Oakland Aeradio AM Wx Bc (Handler)

8905 1236 " " " " " " " (d'Adolf)

10240 1505 ATT, Oakland SSB Eng TT (Handler)

13177 0123 WOO(ATT), Ocean Gt, NJ CW "QRA" mkr (Treftz)

13400 1422 ATT, White Plains, NY SSB Eng TT (Handler)

19100a 1814 RCA Comm, NY SSB Eng TT (Handler)

South America

ARGENTINA:

23100A 1604 Trans Radio, Buenos Aires SSB Sp TT (Handler)

BRAZIL:

13440 2325 NATEL, Rio de Janeiro, relaying soccer game (Christian)

19390 0205 NATEL, Marapicu SSB Pt/Eng TT (Christian)

19882 2355 NATEL, QTH?? AM Eng/Pt TT (Widner)

19915a 0036 EMBRATEL, Rio de Janeiro AM Eng/Sp TT (Mark, are you sure that's not Portugese?..ed) (Koukol)

COLUMBIA:

13086 0253 HKC, Bogota CW CQ mkr & tfc list (Treftz)

15525 1642 ENTEL, Bogota SSB Eng/Sp TT (Widner)

FRENCH GUIANA:

12128 1000 FTS, Cayenne SSB Eng/Fr TT (Fair) (Mahler)

GUYANA:

10528 0945 C&W Ltd, Georgetown SSB Eng TT (Widner)

10528 0110 " " " " " (Handler)

11620a 0933 " " " " " (Widner)

NETHERLAND WEST INDIES:

13042.5 2218 PJC, Curacao CW CQ mkr (Koukol)

VENEZUELA:

8730 0442 YVG, LaGuaira CW CQ mkr (Treftz)

18890 0332 Ven Tel Co, Caracas SSB Eng/Sp TT (Handler)

Europe

BELGIUM:

17350 1808 Ostend Radio on AM w/tfc list (Hauser)

DENMARK:

22418 0033 OXZ9, Lyngbx CW w/tfc list (Treftz)

ENGLAND:

8789 0500 Br PO, Potishead SSB w/tfc list (Christian)

16918.5 0053 GBY/MHU, Rugby CW CQ mkr (Treftz)

FINLAND:

13087.5 2217 OFJ3, Helsinki CW call mkr (Koukol)

13105.5 0120 OFJ4, Helsinki CW CQ mkr (Treftz)

FRANCE:

14485 2316 FTS, Paris SSB Eng/Fr TT (Koukol)

17288 1630 FFL, St Luz Radio SSB w/IS & Fr TT (Hauser)

GERMANY, EAST:

8660 0147 DHS, Ruegen CW CQ mkr (Fair) (Treftz)

GERMANY, WEST:

16431 1645 Deutsche Bundespost, Hamburg SSB Eng/Ger TT (Christian)

18580a 1915 AEA, US Army, Pirmasens SSB Eng TT (Koukol)

ITALY:

8780 0241 IQX, Trieste CW "V" mkr (Koukol)

12760 0300 IDO24/26, Rome CW CQ mkr (Treftz)

19678 0047 Italia Cable, Rome SSB E/F/S/It TT (Treftz)

19678 2150 " " " " " " (Christian)

NETHERLANDS:

19900a 1312 Netherlands PTT, Amsterdam SSB Eng TT (Handler)

POLAND:

18720 1905 PTT, Warsaw SSB Eng TT (Steele)

SPAIN:

8618 0448 EAD3, Aranjuez CW CQ mkr (Treftz)

SWITZERLAND:

22594.5 0026 HEB, Berne CW CQ mkr (Treftz)

U.S.S.R.:

18635 1955 Moscow R&T AM Eng TT (Handler)

YUGOSLAVIA:

8700 0155 YUZ, Rijeka CW CQ mkr (Treftz)

Africa

ETHIOPIA:

18370 0255 AEZ, Asmara(US Army) SSB Eng TT (Koukol)

19413 2310 Imperial Board of Tel, Addis Ababa SSB E/AmharTT

LIBERIA:

13128 2211 ELC, Monrovia CW CQ mkr (Koukol)

MAURITIUS:

8790a(8726 listed..ed) 0235 GZC, Vacoas CW "V" mkr (Koukol)

NIGERIA:

23925 1723 Nigerian Ext Telcom, Lagos SSB Eng/Fr TT (Koukol)

UPPER VOLTA:

18090 2335 FCR, Ouagadougou SSB Fr TT (Koukol)

Asia

CHINA:

10000 1230-1231 BPV, Time stn ID mkr o/WWVH (Hauser)

HONG KONG:

8905 1015 Hong Kong Volmet AM Wx Bc (Handler)

8905 1245 Hong kong Volmet AM Wx Bc (d'Adolf)

ISRAEL:

20827 1930 PTT Adm, Tel Aviv SSB Eng TT "in Cond B"(Widner)

JAPAN:

8905 1010 Tokyo Aeradio AM Wx Bc (Handler)

8905 1242 " " " " " (d'Adolf)

19121 0050 KDD, Tokyo SSB Eng TT (d'Adolf)

22409 2305 JOR, Nagasaki CW CQ mkr (Treftz)

KOREA, SOUTH:

21977 0235 ADG, Taegu SSB Eng TT (Christian)

MALAYSIA:

8698 0435 9MG2/3, Penang CW CQ mkr & tfc list(Hauser)

PAKISTAN:

20935 1215 Pak T&T, Karachi SSB Eng TT clg Bonn(Hauser)

PHILIPPINES:

8862 0459 Manila Aeradio AM w/NW 374 (Kamp)

8967a 0905 Clark AFB, USAF SAC w Sky King (Kamp)

SINGAPORE:

15720 0235 9VF204, DTS, Singapore SSB Eng TT(YL) (Hauser)

THAILAND:

7455 0504 P&T Dept, Bangkok SSB w mkr (Hauser)

VIETNAM, SOUTH:

7498 0402 Saigon Comm Maintenance SSB Counting Mkr(Hauser)

13554 1045 XVV84, Saigon PTT w/press rpts to Oakland on USB
and phone callson LSB (Hauser)

Oceania

AUSTRALIA:

8905 1030 Sydney Aeradio AM Wx Bc (Handler)

8905 1230 " " " " " (d'Adolf)

19460 2340 Aust Over R&T Svce, Sydney, LSB Eng TT (gd) (d'Adolf)

22565 0118 VIP6, Perth CW CQ Mkr (Treftz)

GUAM:

8967a 0907 Anderson AFB USAF(SAC)w/SkyKing BC (Kamp)

HAWAII:

8767.2 0515 KQM, Kahuku Radio(RCA)w/Wx to Navigators (MacKenzie)

8905 1020 Honolulu Aeradio AM Wx Bc (Handler)

8905 1250 " " " " " (d'Adolf)

HAWAII: (Cont)

18387 0620 Naval Comm Stn ,Honolulu USB Eng TT (d'Adolf)
 22593 0027 NPM, Pearl Harbor CW CQ mkr (Treftz)

NEW CALEDONIA:

10580 1317 AFPT SSB Eng/Fr TT (Steele)

NEW ZEALAND:

17108 0246 ZLO,Irirangi CW w/tfc (Treftz)
 19900a 0307 NZPO, Wellington SSB Eng TT (Handler)
 20803 2354 " " USB " " (d'Adolf)
 21980 2057 " " SSB E TT w/mel mir(Koukol)

RYUKYU ISLANDS:

9796 0915 Worker T&T, Naha SSB Eng/Jap TT (Christian)
 19898 0118 Ryukyu T&T Public Corp USB Lang?? TT (d'Adolf)

TAHITI:

8845 0852 Tahiti Aeradio, Papeete clg "Lark 43" (Kamp)

Military

18010 0245 SSB military net heard w/following calls: Orange Juice,
 Overload, Strongbox, Telescope, Radio ck w/Stonewall.
 Probably USN. At 0,55 Lone Eagle for radio ck(MacKenzie)

Unidentified?????

8560a 1736 First Mel mirror, then long AM TT(YL) w/short phrases
 in german or Scandinavian (Koukol)
 10080 0332 International Tel Radio Inc??San Juan SSB Eng TT(Handler)
 12817.5 0440 NHB(??), Kodiak . Heard tailend of Ec Wx for Alaskan
 waters. NHB is listed for freq (MacKenzie)
 18512 0027 PTP,Comm Svce "near Paraguay, S. Africa"(d'Adolf)

This Month's Contributors

Tom Christian	Seattle, WA	Galaxy R-530
Charles Coombe	Trenton, NJ	Galaxy R-530
Steve d'Adolf	Marshall Islands	Galaxy R-530
Les Gaynor	Oak Park, Mich	SX-100
Steve Handler	Evanston, Ill	HQ-200
Glenn Hauser	Thailand	HQ-160
Steve Kamp	San Jose, CA	???????
Mark Koukol	Naperville, Ill	SX-130
Stewart MacKenzie	Huntington Beach, CA	SX-28
Dr. Donald Mahler	Newton, Mass	Heath GR-54
Gary Steele	Benton Harbor, Mich	HQ-145
Walter Treftz	St Petersburg, FLA	SP-000,51J3
Jack Widner	Indianapolis, IN	Star Roamer

QSLs(Too many!!...& too little space!!!)

GERMANY, EAST: "European & Overseas Service of the DDR" sent card
 with full details in 4 mths

Addr: Uberseedienst der Deutschen Post
 1199 Berlin, Agstrasse, DDR (Mahler)

NETHERLANDS: Netherlands PTT(20228) ,PMB20 sent letter in 7 days w/full
 info ;V/S is unreadable.1 IRC sent (Steele)

USA: Armed Forces Day message V/16 sent QSL & Certificate of Merit
 in 39 Days Letter v/s:Ed Liscombe; Cerificate v/s Melvin Laird
 Sect. of Defense (Coombe)

VENEZUELA: CANTV(Ven Tel CO) (8947) sent blue & wht card w/full info
 in 36 days. 1 IRC sent & used ASWLC Sp rpt form (Gaynor)

till next month 73's
 Paul

INTERNATIONAL HIGH FREQUENCY SERVICE

Part Two of Aeradio frequencies to become effective at 0001 GMT, September 17, 1970. All frequencies in kHz. Column (A), frequencies now in effect. Column (B), frequencies in effect at 0001 GMT, 17 September 1970. Info via the FCC.

South America-East (SAM-2)

2910		nc	8845.5	nc
5582		nc	8871	nc
3404.5	(A)	nc	11327 (A)	nc (B)
5566.5	(A)	nc	13320 (A)	nc
5581.5		nc	17925	nc/Secondary basis.
6567	8847		17916.5	nc

South Atlantic (SA)

2875		nc	8939	8882
3432		nc	10049	nc
6597		nc	13344	nc
3432.5	2875		17925	nc/Secondary basis.
6612	6610		17946.5	nc

South East Asia (SEA)

2987		nc	8930.5	8882
5673		nc	13312	nc
8837		nc	17965	nc
8879.5	8868			

Far East (FE)

2868		nc	8868	New assignment.
2987		nc	13288	nc
5624		nc	13312	nc
8871	5645		17965	nc
8840				New assignment on noninterference basis in SEA-2, ICAO.

Middle East (ME)

3404		nc	8845.5	8847
3446		nc	10009	nc
5603		nc	13336	nc
6627	6624		17965	nc/Secondary basis.

Africa-West (NSA-1)

3411		nc	8820	8826
5519		nc	17925	nc/Secondary basis.
13304		nc		

Africa-East (NSA-2)

2966		nc	8959	New assignment.
3481		nc	10025	nc
5505		nc	13280	nc
8956	6540		13336	nc
6561	New assignment.		17925	nc/Secondary basis.

Caribbean (CAR)

2875		nc	6537	6561
2952		nc	8837	6568
2966		nc	8871	8840
5484		nc	8959	New assignment.
5568		nc	10017	nc
5566.5	6540		11343	nc (WPE6AA)

Editor: Bill Ray, #52 Matilda Ave., Mill Valley, Calif. 94941

From the master file of Geographical Shortwave Reviews here is the same information in chronological order within a half hour of actual time listed. Refer to Reviews for exact time, program details, etc. Time is GMT with space to write in your local time. Capital letters indicate state of origin of report.

0000

So. Africa 3997 NC
Brazil 6000 MI
Argentina 6090 WA
Thailand
Chile 9590 MI
Albania 9804 IL
RSFSR Europe 11700 NY
France 15120 LA CA

0030

Brit. Honduras 3300 PA
Brazil 5965 MI
Neth. Antil. 11815
Thailand
RSFSR Europe 11965 NY
Austria 15145 AL
Canary Is. 15365 IL
Rwanda 17800 CA

0100

Brazil 11950 MA
Austria 15145 CA
Vatican 15165 CA
Australia 17840 CA

0130

Argentina 9690 CA
Brazil 11795 IL CA
Mexico 11880 CA
Grenada 11970 CA
Brazil 15155 CA

0200

Brazil 6035 CA
Spain 9360 NC
Austria 9770 LA
Guatemala 11700 CA
Ceylon 15120 AL
Brazil 15180 CA
15245 CA
Poland 15275 CA

0230

Peru 4975 CA
Colombia 6065 MA
Lebanon 11925 AL NC
Poland 15275 WA

0300

Bolivia 4823 CA
4890 CA
5026 LA
Morocco 5965 MI
Brazil 6025 MA
Costa Rica 6037 CA
Peru 6045 CA
Mexico 6115 CA
Guatemala 6180 CA MA
Chile 9570 CA
Costa Rica 9615 IL CA
9645 MI
Brazil 9720 CA
Tahiti 11825 WA
Poland 11870 CA
Nicaragua 11876
WA LA CA
Saudi Arabia 15150 WA
China Rep. 17720 PA
17780 PA
17890 PA

0330

Brazil 4755 GA
Venezuela 4899 WA
Colombia 4955 WA
5020 MA
Colombia 6040 CA
6075 MI

Monaco 6085 CA
Peru 6095 CA
Dominican 9505 CA
Mexico 9515 CA
El Salvador 9555 WA
Norway 11735 WA
Ethiopia 11795 WA CA
Lebanon 11925 WA
Saudi Arabia 15150 CA
India 17705 WA
Australia 17820 PA
17840 CA

0400

So. Africa 3250 GA
Guatemala 3380
GA CA WA
Venezuela 4770 GA
Botswana 4845 CA
Venezuela 4860 CA
Guatemala 5955 IL
El Salvador 5981 WA
Bolivia 6005 CA
Honduras 6050 WA
Ascension Is. 6075 CA
Chile 6115 CA
Portugal 9665 WA
Australia 15240 CA
Austria 17740 PA
Kuwait 17750 WA
Australia 17820 NC

0430

So. Africa 3952 IL
3997 IL
Gabon 4777 CA
Dominican 4795 GA
Botswana 4845 WA
Nigeria 6090 IL
Clandestine Laos
8660 Thailand
Spain 9360 GA
UAR 9830 CA
Canary Is. 11800 CA
Norway 11860 CA
RSFSR Europe 11990 CA
RSFSR Asia 12240 CA

0500

Angola 5960 IL
Guinea Equatorial
6250 CA
Nigeria 7305 IL
Congo Rep. 11725 CA
Tahiti 11825 CA
Congo Rep. 15190 CA
Congo Dem. 15245 WA
New Zealand 15280 WA
Congo Rep. 17730 CA
RSFS R Europe 20040
WA

T I M E I N D E X

Page 2

0530

Ecuador 3340 WA
 4807 CA
 Dahomey 4870 MA
 Togo 5047 WA
 Angola 5964 CA
 Honduras 6125 CA MA
 Costa Rica 6150 CA
 Laos 7145 Thailand
 Germany W. 11795 WA
 Tahiti 11825 WA
 Sweden 17840 WA

0600

Upper Volta 4815 IL
 Ghana 4915 CA
 Liberia 7175 CA
 Papua 9520 WA
 New Zealand 9540 WA
 Morocco 9615 IL
 So. Africa 9650 CA
 9720 CA
 Ivory Coast 11920 CA
 New Zealand 15280 PA
 Nigeria 15365 NC 4L
 CA
 Austria 15410 NC

0630

Senegal 7210 IL
 Nigeria 9570 PA
 Australia 9660 WA

0700

Guinea Rep. 7125 CA
 New Caledonia 7170 WA
 Liberia 11975 NC
 Guinea Rep. 15310 CA

0730

Australia 4920 WA
 New Caledonia 7170 WA
 Unident. Thailand?
 7511 Thailand
 Australia 9680 CA
 15425 WA
 Portugal 17880 CA

0800

Australia 6090 CA
 Morocco 9615 WA
 Philippines 15110 WA
 Australia 17715 WA

0830

New Caledonia 3355 WA
 Brazil 6135 MA

0900

Australia 6100 WA
 Colombia 6115 WA
 New Zealand 11705 CA
 Indonesia 11770 CA
 Singapore 11940 CA
 Vietnam N. 12038 Thaild.

0930

Colombia 5970 CA
 Philippines 9580 WA
 Brazil 9670 WA
 Thailand 11908 CA

1000

Colombia 6140 WA
 Venezuela 6170 WA LA
 China Rep. 9685 CA
 India 15205 P A
 Vatican 17840 MA

1030

New Britain 3385 GA
 Ecuador 3390 GA
 Argentina 6060 CA
 Colombia 6160 CA
 New Caledonia 7170 GA
 Spain 9360 CA
 Japan 10000 CA

1100

Malaysia 6170 GA
 Ryukyu Is. 7165 GA
 Korea S. 9640 CA PA
 Haiti 11835 PA
 Japan 11875 CA
 Sweden 15315 NC
 Korea S. 15430 CA PA

1130

Guatemala 3360 CA
 Malaysia 7120 CA

1200

Laos 4615 Thailand
 Unidentified Indon-
 esia 5085 Thailand
 Japan 9505 CA
 China 11675 CA
 Philippines 11920 CA
 Denmark 15165 NC
 Haiti 15280 NC

1230

New Britain 3385 CA
 Laos 6130 CA

1300

Laos 6130 CA
 Brunei 7215 CA
 Australia 9610 CA
 Malaysia 11750 CA
 Vietnam N. 15015 NC
 Japan 15300 NC

1330

Singapore 5999 Thaild
 Australia 7500 CA
 Gt. Britain 15070 NC
 Denmark 15165 CA
 Philippines 15170 CA

1400

Singapore 5010 CA
 Japan 6155 CA
 Vietnam N. 6718
 Thailand
 Malaysia 9665 CA
 Clandestine 9800
 Thailand
 India 15355 CA

T I M E I N D E X

Page 3

1430

Australia 6140 CA
Sarawak 7160 CA
India 9575 CA
Malaysia 9660 CA
Singapore 11940 CA

1500

Unident. Indonesia
5205 Thailand
Guinea 6250 CA
China 8005 Thailand
India 9575 CA
Philippines 15210 CA
RSFSR Europe 15350
MA CA
France 21645 NC

1530

Kazakh 5035 HI
Mongolia 5060 HI
Malaysia 7120 HI
Vietnam N. 10040 CA
China 11100 HI
Vatican 15210 WA
Ethiopia 15315 WA
Philippines 15440 CA
Norway 17825 WA

1600

RSFSR Asia 4795 HI
So. Africa 9720 CA
Pakistan E. 11648 WA
Malaysia 11900 WA
Vietnam N. 15020 CA
Seychelles 15265 CA
WA
Czechoslovakia 17840
WA
Pakistan W. 17935 WA

1630

Malaysia 9725 CA
Japan 11780 WA
Ceylon 15120 CA
Liberia 15360 WA
15445 LA
Philippines 17875 WA
Thailand

1700

Malaysia 11900 CA
Ryukyu Is. 14460 WA
Iran 15085 WA
Ceylon 15120 CA
Finland 15185 WA
Portugal 17880 WA

1730

Malaysia 11750 WA

1800

Indonesia 9579 Thailand
Finland 15185 IL
Austria 15200 CA
Afghanistan 15265 CA
Kuwait 15345 AL
Belgium 17865 CA
So. Africa 21460 PA

1830

Kuwait 15345 NC
Italy 21560 NC
Holland 21570 AL
21640 AL

1900

Gt. Britain 11915 MA
Mexico 15110 CA
Kuwait 15345 IL

1930

Congo Rep. 15190 CA
Portugal 21700 WA

2000

Pakistan W. 11672 IL
Vatican 11740 CA
Ghana 11850 AL MI
Iran 15085 WA
Syria 15165 IL

2030

Ghana 11850 NY
Kuwait 15345 LA

2100

Gt. Britain 9625 MI
RSFSR Europe 15100 MA
Norway 17795 NC WA

2130

Holland 15425 NY

2200

Gt. Britain 15070 WA
Turkey 15160 AL NC IL

2230

Brazil 4755 Thailand
Morocco 6170 MA
Venezuela 9660 MI CA
UAR 9675 NY
Holland 11730 IL
Ivory Coast 11920 LA
Finland 15185 IL
RSFSR 15150 MA

2300

RSFSR Europe 15065 MA
Clandestine 15085 IL
France 15120 IL
Byelorussia 15150 IL
Finland 15185 AL
Spain 15195 AL
Belgium 15330 IN

2330

Brazil 4765 MA
4875 MA
5955 MI

QSL Editors: Bill Flynn, WPE6AF, P. O. Box 473, Mountain View, CA 94040 QSL
 CORNER Gary Steele, WPESKEQ, 290 Elmside, Benton Harbor, MI 49022 CORNER
 Deadline: For QSL'S RECEIVED Reports: 15th of month at M.V.

THE SYSTEM

Some minor changes in format this time in attempt to speed up preparing the Section. Please keep your QSL Reports separate from general correspondence or other material, double space between your items, include your name/address at the start, and would you include your name only at the end of each item. Thank you !

NORTH & CENTRAL AMERICA

ANTILLES, NWI: Trans-World R: Flamingo folder C has pink map, blue antenna. L from Al Stewart informing of "DX Special" prgm Fri 1305 on 11820, Sat 0335 on 11775. Rpts requested. Very nice pink/blue flamingo pennant. For 6185 - 2M sea. (Caldwell)

BAHAMAS: ZNS, 1540 (MW) Regular form L giving date only - 110D air, No RP. (Steele)

CANADA: CHU, Dominion Observatory, 7335: white/blue C -5D, No RP (Chait) 26D (Powell) 2W (Vagi)

R CANADA, 9625: 25th Anniversary

C- 24D. No RP (Chait)

CHNX, 6130: full V C /s/ Louise Chasson - 23D (Chait)

CWF300, 2558 (UTE) Vancouver Marine Op.-PFC & nice L, booklet. Returned MS./s/ R C Eldridge. 11D (Kamp)

VAI, Vancouver 8813.4 (UTE) Dept. of Transport Coastal Stn: PFC in 11D, SAE & MS used (Kamp)

CKLG, 730 (MW) L /s/ Peter MacKintosh, CE; "Boss 30" record survey, coverage map - 12D. IRC (Haynes)

CBH, 860 (MW) (Halifax): C -6W. No RP (Powell)

CFCX, 6005: white/red/white striped C - 4M (Vagi)

HAITI: R 4VEH, 11835: folder C /s/ Mrs. Kent Ragsdale. Religious material - 4M. 1 IRC (Androw) For 4VWI, 15275: 350W pwr. With certif.- 61D air. 3 IRC (Thorne)

MEXICO: XELO, 800 (MW) large blue C + "Record Roost Gang" C. Request for more rpts. 1M. No RP. (Haynes)

NICARAGUA: R Nacional, 11875: L giving date only /s/ Tacho Sanchez Diaz, Dir. Artistico Also travel brochure - 16D air. ASWLC Sp rpt; ASASE sent, not used. (Gaynor)

PROPER REPORTING GUIDE

The Way to QSL's ! Get Yours Today !

PANAMA: Tropical R&T, 9132 $\frac{1}{2}$ (UTE): plain b&w C quotes freq only. 4 $\frac{1}{4}$ M. 1 IRC (Hudson) For 10670 same /s/ Gregory J Nixon -2M air. 1 IRC (Marshall)

HOS21, R Union, 1035 (MW): pleasant L in Sp-date only. "Working hard remodeling." 21D air. 2 IRC. (Steele)

U S A: WOAI, 1200(MW) plain VC + stn info 5W. MS (Haynes) WINB, 17720: plain b&w C /s/Rev John M Norris- 2M (Hudson) full details for 11795-plugs their rhombic antenna. 5W (Patterson) KOE, Eureka Marine Op, 2506(UTE) PFC in SASE.9D (Kamp) WOM, Ojus R-AT&T Coastal Stn, 8800A(UTE) AT&T C-date only /s/R J Weber, Plant Mgr. 41D surface. SAE &MS (Kamp) AFA, Andrews AFB, 5412 $\frac{1}{2}$ (UTE) C says USAF can't confirm non-public xmsns - 9D (MacKenzie) WAR, MARS Stn, Washington DC, 14405 (UTE): L & Certif of Merit for 25WPM code copy on Armed Forces Day /s/ Melvin B Laird, Sec of Defense. 39D (Coombe)

SOUTH AMERICA

ARGENTINA: RAE, 11780/11710/9690: regular green/gray C. No V/S. 2M (West)

BRAZIL: ZYZ36, R Globo, 11805: color pix C in Pt w/ full V. 2M. Sent Pt rpt & IRC's. (Haynes) R Clube Ribeirao Prato, 15415: personal L in Pt giving date, V statement. Also a decal./s/ Ticiano Mazzetto, Dir Superint. 20D air. NASWA Pt rpt & MS (Lobdell) R Jornal do Comercio, 6085: personal C in Eng w/ full V /s/ Artur S Miranda, Tech in Charge. 17D air. Eng rpt w/ FC & 3IRC (Lobdell) R Nacional Rio, 11795: picture FC - 2W air. MS. (Sparks) PRK5, R Inconfidencia, 6000: form L w/ full V - 3W air. Eng rpt & IRC's (Zabransky)

COLOMBIA: HJKJ, R Cadena Nacional, 6160: L in Sp (cannot understand) w/ a /s/ only. 5W air. Sp rpt, 4IRC (Zabransky)

ECUADOR: HCJB: 15115 "Donkey" C -1M. 2 IRC (Chait) 11915 "Banana Plantation" C-7W No RP (Powell) 11745 "Donkey" C -2M sea (Seymour) 15115 "Church of Guapulo" (nice!) C - 3 $\frac{1}{2}$ M (Vagi)

GUYANA: Cable & Wireless, Ltd, Georgetown, 10825(UTE): L w/ full data /s/ J W Steel-5W air. 1 IRC & FC & Canadian/world stamps sent (Marshall)

QSL CORNERQSL CORNER

PERU: OAX8K, R Atlantida, 9625 (1K): Generalized L in Sp, /s/ unreadable. Letterhead is green/black. 3W (Patterson)

VENEZUELA: Venezuelan Telephone Co "CANTV" 14600(UTE): C w/ full data /s/ Ignacio Alcides Guzman, Dept. Internac. 3M air. SAE (Kamp) R Rumbos, 9660: color PC foto of "El Pulpo" in Caracas - full V in Eng 1M air. Sent Eng rpt + 3-3/4" tape, registered mail (Lobdell) R Nacional, 6170: blue on white C w/ purple seal (very official) 2M 3IRC (Powell) R Barquisimeto 4990: white/red/pink C w/ globe/antenna tower. V in Sp 27D air Eng rpt (OK to use) +SAE & 1S- not used (Gaynor) YVPA, R Yaracuy, 4940: same C design as R Barquisimeto & similar V statement /s/ Luis Ortiz. 2IRC (Gaynor)

EUROPE

ARMENIAN SSR? R Yerivan, 17870/15160 (relays?) - plain brown C, full details. Also prgm sked. (West)

AUSTRIA: ORF, 9770: PC "Bad Gasterin" - full V & sked. 28D 2IRC (Chait) Color PC of lake, full V. Also rpt sheet. 27D air (Gaynor) 6155/9770: 2 color PC's - 2W air ORF rpt form used (Seymour) 15145: color PC of Vienna (Zabransky)

BELGIUM: ORU, 15335: blue/yellow map C, sked, mailbag script. 1M (Haynes) All info, no signer. 3W IRC's (Zabransky)

BYELORUSSIAN SSR: Minsk, 9660, relaying "R Kiev" - plain C w/ all data except xmtr site (°) w/ sked, rpt forms & "News" sheet. 1M air No RP (Koukol)

CZECHOSLOVAKIA: R Prague: b&w "Castle of Prague/Hradconey" C - full V. 11990 -3W air (Caldwell) Czech "Life" & "Youth" mags (2M) & blue/pink "Steeple" C (1M) (Vagi)

DENMARK: V of Denmark came thru with usual V C in response to rpt in Danish + tape. But they will not QSL rpts not written in Danish. New efforts for evening xmsn in Danish to W N Am. (Fisher)

FINLAND: F B C: white/blue map C - full V. 15185: 3M air (Caldwell) Initials /s/ RR. Prgm sked. 24D air No RP (Gaynor) Same as previous tan color C. 1M (Hudson)

FRANCE: ORTF: "Maison de ORTF orange montage C; full V. Sked. 21580: 1M 2IRC (Chait) 8D air. Sent back 1S for IRC's? (Kratte) 15185: 8W (West)

GERMANY, EAST: RBI: "Castle" C, new color "Skyline of Berlin" C - full V on back. 9730 - 2M No RP (Powell) 9650 - 2M air (Caldwell)

GERMANY, WEST: V of Germany/D W: regular blue map C: 9735- 2M (Hudson, Vagi) 6075- 3M No RP (Powell) VOA Munich: "Star" C. Rptd to freq div asking for full data - got only site, date, freq. No time. Also VOA pamphlets. 6085- 8D (Lobdell)

GREAT BRITAIN: BEC: Thames River/Parliament acknowledgement C: 11780 -18D air (Kacsur) For CEC prgm relay- CEC C indicating BEC relay, 15390- 3W (Fisher)

GREECE: NHBI: plain white C giving full data: 15345- 2M air Sent 3-3/4" tape, 3 IRC. Evidently don't return tapes (Lobdell)

HOLLAND: R Nederland: "DX Juke Box" C speedily. No RP necessary. "Training Center" C. 11730: 10-15D (Chait, Seymour) 21640 15D (Hudson) My goof - these should be under "ANTILLES, NWI" - editor

HUNGARY: R Budapest: "Monument on Mt. Gellert" C w/ full V; "Yellow Bridge" C, blue "Castle" C. 11910-3 1/2 W (Caldwell) 9833-1M No RP (Chait) 11930-1 1/2 M (Vagi)

ITALY: RAI "Antenna" C, complete info. 9575: 2M No RP (Powell) 6W (West)

LITHUANIAN SSR: R Vilnius - "3 Girls" C: 9685 - 2M No RP (Chait)

LUXEMBOURG: R Luxembourg: b&w foto of antennas + coat of arms in color on C, full V in Eng on back. No V/S. 6090 (50kw) - 17D air 2IRC (Lobdell) 7W (Patterson)

MONACO: R Monte Carlo: C w/ antenna towers, flag in red/white. Generalized unsigned V on reverse. 3AM3, 6035 (30Kw) -2M 1IRC (Fisher) 11W (Patterson)

NORWAY: R Norway: color "Skiing Scene" C giving full V, sked, booklet "This Is Norway". Beautiful color foto C of "Smorstabreen Glacier". 21730 -30D air (d'Adolf) LLL, 25730- 64D (Lobdell)

POLAND: Polskie R: map C (new series) Also sked, personal L, contest info. 17865- 70D air (d'Adolf) 9655- 4M (Chait) 7145- at 1PM in Warsaw, full daylight rx ! (Hall)

QSL CORNER

QSL CORNER

- PORTUGAL: R Portugal: new "Clay Potters" C marked DX Club QSL, incomplete V. World Map C, sked. 2W air (Caldwell) 11840 - 2W 2IRC (Chait) 15125- 6W No RP (Powell)
- R S F S R: R Moscow: blue/black/white "Star" C. 9.68 - 1M No RP (Powell)
R Stn Peace & Progress, 9480: yellow C-14D (fast) (Chait)
- SWEDEN: R Sweden: "Northern Lights" C - 15315: 8D (!) (Seymour)
- SWITZERLAND: S E C: Letter V (Powell)
- UKRAINIAN SSR: R Kiev: color C shows National flag, full V on back. Also prgm sked (West) 11960 - 2 $\frac{1}{2}$ M (Caldwell) 9760- (relay?) 2M (Powell)
- VATICAN: R Vaticana: Xmttr site C - this one shows a "Flying angel". 9615 - 6-7 W air IRC's helpful (Kacsur, Powell, West)
- YUGOSLAVIA: R Belgrade: folder booklet type C w/ scenic photo, full details. Also sked. 9620 (Kratter)
- AFRICA
- ANGOLA: Voz de Angola, 5960: View of Luanda color PC, complete V. 1M air ASWLC Pt rpt, 3IRC (Zabransky)
- BOTSWANA: R Botswana, 4845: color PC "Elephants Drinking" - V gives freq only. 45D Tape & IRC's. C noted "Thanks for the tape. Good luck" /s/ CPS (Tordoff) Duplicate color PC V for f/u (editor)
- ETHIOPIA: R VCG, ETLF: Regular blue C w/ full V /s/ E Baurorlise. Also sked. IRC's returned-"stamped wrong"(Should be stamped on LEFT) 11890: 120D sea (d' Adolf) 11795: 30D (Thorne)
- GABON: France Cables &R, 15735(UTE): C in Fr -all data. V/S not readable. 17D air Rpt in Fr, 2IRC PRC sent but not used (Koukol)
- GHANA: R Ghana: red/yellow/green border C. 11850: 3 $\frac{1}{2}$ M No RP (Chait)
- LIBERIA: ELWA: Native dancing/drum C; no V/S. Give pwr, target, antenna info also! Also sked. 15095: 40D 2IRC (Chait) 11975: 18W No RP (Androw)
- MOROCCO: VOA, Tangier, 15185: Response to 2 identical rpts sent- 1 to "Freq Div" & 1 to general VOA address. Blue Star C n noted Freq Div to left of freq, /s/ W E Dubinins (no details other than freq/site?) -18D General address has complete V /s/ Vivian Despot - 13D! (Thorne)
- NIGERIA: V of Nigeria, 15365: green/white C w/ full V, no V/S. Returned 3IRC. 37D air (Thorne)
- SENEGAL: R Senegal, 7210: b&w "Fishing Scene" C, b&w "Khora"(harp) C. V in Fr - date, time. 9D air. Fr rpt & IRC (Haynes) 2W air. ASWLC Fr rpt, 4IRC (Zabransky)
- SEYCHELLES: FEBA, 15185: Air L from Miss Brenda Eacon replying to f/u said C sent sea; regular FEBA C w/ full V; L, folders -198D. Rpt sent via Mogadischu instead of Mombassa (Hall)
- SOUTH AFRICA: R RSA: New colorful blue C-background globe painting. DX69 Stamp for 15310, 11875, 9630. Took long time! 7-8M (Androw, Ganscoe, Thorne, Thornton) Recent V also w/ "DX69" stamp -15310: 14D (Chait)
- TANZANIA: R Tanzania, 5985: Yellow xmttr C; pwr/antenna info from CE -103D sea 2IRC (Koukol)
- ZANZIBAR: R Tanzania Zanzibar, 3339: usual RT C w/ full V & info from CE as above, /s/ L A B Devells(?) This from Dar-es-Salaam. Only a vague aerogramme from Zanzibar. My best SWEC QSL- ASWLC #1? 85D air 2IRC (Koukol) #1 I've hrd - ed.
- ASIA
- BRUNEI: R Brunei, 7215: yellow & green map C w/ V (freq & date) /s/ V J A Figand. Also sked. 27D air 2nd rpt, 3IRC (d' Adolf)
- BURMA: Burma EC Svc: Sent L to Embassy in Washington DX & got back copy of L addressed to LtCol Tin Tun, Sec of Min of Info Secretariate, Rangoon, requesting action on V. Signed by U Win, Counsellor. Now just wait & see (West) May break the ice. Also hear MS required for V -editor
- CEYLON: R Ceylon Int. Svc., 17830: nice "Wildlife of Ceylon" C, full V, no V/S. Also sked. 3W air 5IRC (Zabransky) R Ceylon Cmcl Svc, 15120: yellow/blk C w/ foto of bldg from Bombay address- 12D air 5IRC 2nd try (Thorne) Above C in 2W but nothing from Colombo direct-editor
- CYPRUS: CBC, 9715: large Venus de Milo/ basket of plenty C w/ full V typed /s/ Dir Gen. 112D air Tape & 2IRC. (Hall)
- INDIA: AIR, 15235: "Red Fort" C w/ full V, no V/S. 1M air 3IRC (Zabransky)
- INDONESIA-Sulawesi: RRI, Gorontalo, 4900: 2pg handwritten L in Indones. on ltrhead Don't know if V included in L. 14M (Sparks)

ISRAEL: IBA: "Engraving of Jerusalem" C, full V. Also copy of "Jarusalem Post", blue/white pennant, prgm sked. 9626: 1M 2 IRC (Chait) 9009: 27D 3IRC (Gaynor) PT&R Adm,20827(UTE): form L /s/ M Shakked EIC- vague thanks, no denial(!) Have no C avail. Sent IBA SWEC sked & rpt form also. 12D air (Steele)

JAPAN: R Japan: "35th Anniversary" folder C, "Expo 70" C. 27D (Thornton) 17785: 52D air (MacKenzie) 17825: 33D air (returned IRC's)(Thorne)

KUWAIT: KES, 15345: newer folder C- flag on front, history of Kuwait & station. Full V. 1M 2IRC (Chait) 26D air No RP (Gaynor) 4W air (Caldwell)

LEBANON: R Lebanon, 11790: nice "R Liban" C, sked & paper flag. 145D registered sea 2IRC (Koukol) 2M (West)

MALAYASIA: R Malayasia, Kuala Lumpur, 6025: (50K): Map/flag C in red/wh/blue/yellow w/freqs & locations of stns. Generalized V. 1M (Patterson)

PAKISTAN, EAST: R Pakistan, Dacca, 11650/11672: usual green/white C w/ freq, date, time, site /s/ Nihal Ahmad, Dir Listeners Research. Came from Rawalpindi. Also L & booklet. 5M IRC (Palmer) 101D (Thornton)

PAKISTAN, WEST: Karachi, 4875: C & L as above. 15W sea IRC's (Sparks)

PHILIPPINES: DZHP Relay, 2425 (1Kw): nice V L /s/ Godofredo Lopez, Tech Dir of R Mindanao Ntwk. New on SW, several rpts from Japan etc, mine 1st from U.S. 17D 3IRC (Hall) Congrats on a super-veri ! FEEC: 2 small globe C's blue/green w/ full V. Also sked, info, L requesting more rpts. 11890: 7W air 3IRC (Marshall) 15420: 26D air 3IRC (Thorne) 11920: 1M air 3IRC (Zabransky)

SARAWAK: R Malayasia Sarawak, 4950: b&w # photo C of studios. Generalized V /s/ Controller of R 3M Best V pwr/DX-wise (Patterson) 6M Took registered f/u(West)

SAUDI ARABIA: BSKSA, 11855: "Crossed Swords" C /s/ W Storg. 150D air 3IRC(d'Adolf)

SINGAPORE: BFBS, 5010: C, all details, 2M 1IRC (Fisher) R Singapore, 11940: C w/ generalized V /s/ J R. 9D air 4IRC(Thorne)

SYRIA: R Damascus, 15165: large globe/antenna C-full data but freq wrong! V/S Atieh El-Joudeh. 67D registered air. 2IRC

SYRIA cont: 2nd try (Koukol) 2M air 3IRC, PC, stamps. Also 2nd try! (Marshall)

TURKEY: R Ankara, 15160: small b&w C w/ musician & star & crescent in red. Full V /s/ Elizabeth Lelankk. Also lit. 4W air (Caldwell) 1 in 100D for no RP, 2nd 28D 2IRC (Kratter) 53D air 3IRC (Thorne) 1M for SASE sent/used (Zabransky)

UZBEK SSR: R Tashkent, 9600: blue map C- V date, time, freq. Also sked. 120D air 3 IRC (d'Adolf)

VIETNAM, NORTH: R Hanoi, 15015/10040: Form L, all V info; sked, lit & PC's. 2M via Czechoslovakia (Fisher)(West)

OCEANIA

AUSTRALIA: R Australia: "30th Anniversary" C of Darwin. Also rpt C's. 21740: 2M sea (Caldwell) 9570: 11W (Fisher) 3 for 9580, 11710, 11880: 4M sea (Gaynor) 9580: 2M sea (Seymour) VNG, 7500: folder C-full V. New C due soon. 120D air 2IRC (d'Adolf) AEC Regionals -slow transit on these. Blue/black map C. 6150: 290D (Hall) 4½M (Kamp) 9660: 11W (Marshall) 9680: 11M (Patterson) AEC, Western Australia: own new map C: 3M sea (Seymour)

NEW CALEDONIA: R Noumea, 7170: black.wh/blue map C. No freq. 6W air Fr rpt (Caldwell) 60D air Fr rpt 2IRC (Koukol)

NEW GUINEA: R Wewak, 3335: folder V - 4W (Fisher) They found my L interesting - 8D air 2IRC Oceania #10 (Steele)

NEW ZEALAND: R N Z, 15280: blue.gray world map C - 3M air (Caldwell)

SOLOMON IS., AUSTRALIAN: R Bouganville, 3322½: folder V (generalized), L 3W (Fisher) 75D (Koukol) 94D (Tordoff) 11W, after f/u (Sparks)

TAHITI: R Tahiti, 11825: woodcut "Mermaid" C -15D (Patterson)

THANKS TO ALL OUR REPORTERS: MARK KOUKOL, DAVE THORNE, CHUCK GANSCOE, JACK HUDSON, JULIAN J KRATTER, PAT PATTERSON, TOM POWELL, AL WEST, ROBERT FISHER, MIKE VAGI, LES GAYNOR, JACK TORDOFF, CEDRIC MARSHALL, GARY STEELE, DR. EARLE HALL, ROY HAYNES, MARK ANDROW, CHRIS LOBDELL, STEVE KAMP, TOM PALMER, BILL SPARKS, WOODY SEYMOUR, JR., DR. BILL CALDWELL, STEWART MACKENZIE, CHARLES KACSUR, JIM ZABRANSKY, STEPHEN CHAIT, JIM THORNTON.

And that concludes our allotment for the month of August: 73

ASWLC

August 1970

ASWLC

QSL Associate Editor: Gary Steele, 290 Elmside, Benton Harbor, MI 49022

QSL

CORNER Deadlines at B.H. Only: Sept. "SWL": August 25; Oct. "SWL": Sept. 23

CORNER

***** QSL LADDER *****
CLASS B--OVER 60 COUNTRIES VERIFIED

Art Glover, Washington
VIC: 136 90% Return RO: 0
Best QSL: R. Vila, New Hebrides, 3905
Rx: Hammarlund HQ-180AC Antenna: vertical
Mark Koukol WPE9JKV, Illinois
VIC: 133 VIS: 159 85% return RO: 14
Favorite: Zanzibar, 3339
Rx: Hallicrafters SX-130

Christopher Lobdell, Massachusetts
VIC: 110 VIS: 145 53% Return RO: 104
Best QSL: Radiodif. Nationale, Guinea
Rx: Drake SW4A Antenna: Mosley SWL-7

Bruce Boomer WPE8JIF, West Virginia
VIC: 103 VIS: 121
Best QSL: R Alma Ata Rx: Hammarlund HQ200
Steve Kamp WPE5EUT, Texas & California
VIC: 99 VIS: 198 Rx: Hammarlund HQ-110X
Favorites: 9HA Malta & Tarawa 4912 1/2

Tom Christian, Washington
VIC: 84 VIS: 124 RO: 36
Best: R Ceylon
Rx: Galaxy R-530 Antenna: SWL-7

Gary Goltz WPE3HZF, Pennsylvania
VIC: 75 96% returns
Best: V of Free Korea, Seoul
Rx: Realistic DX-120 Antenna: Trikstik

Jim Thornton, California
VIC: 74 99% RO: 1 Rx: Drake SW4A
Favorite: AIR, India

Al Reynolds, North Carolina
VIC: 74 VIS: 89 91% return RO: 14
Favorite: R Biafra
Rx: Drake SW4A & DX-120 Antenna: 50' wire

Cedric Marshall, Ontario
VIC: 72 VIS: 102 RO: 49
Best: R 4VEH, 15280 80 watts
Rx: AGS-38 Antenna: 75' wire

Dr. Donald Mahler, Massachusetts
VIC: 69 VIS: 134 RO: 8
Favorite: VLW15; Perth, Australia
Rx: Heath GR-54 Antenna: SWL7 & 50' wire

Edward J. Pyatt WPE4IGG, Georgia & S.C.
VIC: 63 VIS: 80 94% return RO: 6
Best: R Amazonas, Peru, 9770
Rx: RCA GR-10 antenna: long wire

NEXT QSL LADDER: October "SWL"

Class "A", VIC of 1 to 60

IRC's to LIBERIA?

A recent QSL from EL8H in Liberia says that instead of sending IRC's, U.S. coin is to be preferred. The Liberian monetary unit is the U.S. dollar. Thus, reports to Liberian ELWA, ELBC, and both amateurs and utility stations where you enclose return postage will be less expensive using 25¢, rather than 5 IRC's.

MAILBOX

Paul Mayo, our club's "Country Chasers Corner" scribe informs me that, "I've been thinking about publishing a list of (utility) addresses in the near future. But, the problem is a lack of them--about 70 in 50 countries."

On behalf of Paul, and CCC, I would like to urge any members who may have an address to send it to the CCC column.

When reporting a QSL to either CCC or QSL CORNER (a utility QSL, that is), BE SURE to list the address of the station that you've verified. An address-directory will be extremely useful, and we, the members, play the biggest role in obtaining that goal.

Tom Powell, of Detroit, Michigan states, "This month's 'Persistence Pays' award should go to Les Gaynor, of Oak Park; who called more than 250 Palmer's in the Detroit phone book...before getting me... in order to discuss short wave."
---I concur--GS

Don Mahler: "Most recent favorite is VLW15, Perth; which does not use the usual A.B.C. card"

Here is an item that appeared in the National Radio Club's "DX News" back around the first of April..." VERIE SIGNERS? These are listed - from stations that verify! It has come to mind maybe we ought to list the names of people at stns which don't verify--so if you have any such stns or names, please send in a list of those that didn't answer, & the name of the person who did not send you a reply. Be sure to spell their names right, and please indicate whether it was a cd or letter they did not send you. Thank you..." Should we ASWLC'ers do likewise??

Many thanks for the increased support this month--this is YOUR column, so use it!
Until the next "SWL", very best wishes & good DXing.WPE8KEQ

PROPAGATION

The forthcoming autumnal equinox will bring a transition period to the short wave scene. As the solar track shifts southward, somewhat special propagation conditions may be expected for a span of eight to ten weeks. Paths into the southern hemisphere in particular reflect this turn of events by offering some shots into seldom-heard-from lands not possible at other times of the year. Fairly equal daylight and darkness distribution on each side of the equator, plus in a number of cases an annual cumulative low for noise levels (they're rising from a mid-winter low down under, and falling from seasonal highs up here with the combined net value being at or near annual minimum for many paths) add up to some long range reception particularly to the southeast or southwest.

It is difficult to indicate this trend on the worldwide prediction chart as the areas shown thereon are of necessity quite large. For example: Nigeria and Rhodesia are both classified as "South and Central Africa" yet some 2500 miles difference exists for their signal paths into North America. On bands where stations in both countries schedule regional broadcasts, Nigeria has been reported fairly regularly during the current summer, but little if anything has been logged from Rhodesia. The aforementioned solar position will tend to change this pattern to a degree. Due to the greater number and power of Nigerian outlets, they will probably continue to be heard, but the listener stalking Rhodesia, Kenya, Tanganyika, Malagasy, etc on the lower end of the dial should mount up his DX safari sometime during September. At best, the reception is less than ideal, but patience is often rewarded. Exactly the same situation will also exist for South America and the far reaches of the Pacific:

It should be pointed out that this long-haul DX will be for the local and regional stations generally operating on frequencies lower than 7300 kiloHertz. International broadcasters such as RSA and Radio Australia schedule their powerful transmissions in accordance with the most suitable propagation conditions to distant listeners and can generally get through on some band at any given time. Not so for local and regional stations; they don't change frequencies with the seasons because their audience is much closer to home and such maneuvering is not necessary to consistently reach them. Therefore the DXer wishing to log some of these seldom heard outlets must bide his time for favorable seasonal conditions to bring the transmissions to him. It's sort of like the fable of Mohammed and the mountain. The period from September to November is the time to go hunting for distant southern 'mountains' from this part of the World.

MAKE YOUR OWN DX CHART

Exec Editor Bill Ray's "Time Index" section offers a lot of possibilities in addition to providing a mighty handy reference. Suppose the listings for your area (shown by states) in each half hour increment were further grouped by band and continent; then this breakdown transferred to a chart or graph of some sort indicating a pattern or trend for a frequency band, continent, or whatever. If this were done for the next twelve months, a very useful DX tool might develop for predicting reception patterns into your locality for medium activity sun-spot years (1971-72). Concentrating only on listings below 7300 kiloHertz would result in a chart which could be used nearly any year for those frequencies. The possibilities for setting something like this up are numerous, as are individual preferences (I've got curves by band and continent taken from my log), but no matter how it's done, the result will be related to both propagation conditions and general operating hours at the transmitter-which is handy indeed. Being a believer in the "learn-by-doing method", this editor will go into no further detail on the subject at this time...however, those who develop something out of this might send the details to me to pass along in this column. In fact, there might even be a prize for the most original or workable arrangement....nothing elaborate, maybe a selected assortment of "regrets" letters from Cable and Wireless or something of equal value.

OFF THE BROADCAST BANDS

Near the top of the dial, some fine propagation conditions exist currently or will be present during the next month or so into the southern hemisphere. From a flat-out DX standpoint action in this portion of the spectrum lies with "utilities" stations as the upper broadcast bands are dominated by the giants for the most part. The following schedule reflects what appear to be some really top notch, first-class openings above 15 megahertz which could produce some fine non broadcast catches:

<u>REGION</u>	<u>EASTERN NORTH AMERICA</u>	<u>WESTERN NORTH AMERICA</u>
Central/East Asia	16 MHz @ 1400-2300 18 MHz @ 2300-0100	16 MHz @ 1800-2300
Europe/North Africa	18 MHz @ 1200-2300	16 MHz @ 2200-2400
South America	20 MHz @ 0100-0300 15 MHz @ 0900-1100 25 MHz @ 1400-1800	20 MHz @ 1400-1700 25 MHz @ 1900-2100
Pacific	22 MHz @ 1900-2100	15 MHz @ 1300-1500
Africa	20 MHz @ 2300-0100	17 MHz @ 2300-0100

The frequencies shown are median Maximum Usable Frequencies (MUFs) for August and September 1970. The most efficient signal path will be found in a range up to 20% below the values shown. By selecting the band of interest (radiophone, marine etc) within this span during the times indicated, the DXer may make a new addition or two to his scoreboard.

BROADCAST BAND OPENINGS

The following list comprises openings on the regular SWBC bands through September which look to be of superior quality:

	<u>EAST</u>	<u>WEST</u>
16 Meter Band: (17700-17900 kHz)	2300-0100 (East Asia) 1200-2300 (Europe, N Africa)	
19 Meter Band (15100-15450 kHz)	1400-2300 (Central Asia)	1800-2300 (Cent/East Asia) 2200-2400 (Europe/N Africa) 2300-0100 (Central Africa)
25 Meter Band (11700-11975 kHz)	0900-1100 (Latin America) 0300-0500 (Central Africa)	1300-1500 (South Pacific) 0300-0500 (Central Africa) 0500-0700 (Europe/N Africa)

DISTURBED CONDITIONS

Reception conditions vary fairly broadly from day to day near the equinox period, and the causes for some poor conditions are a bit difficult to predict with any degree of accuracy; but for a shot in the dark with no guarantees, the following dates may be less than satisfactory for DX grade reception:

August 6th to 10th	September 1st to 5th	October 19th to 23rd
August 12th to 17th	September 25th to 30th	October 27th to 30th

So much for the xtal ball, Good hunting to all.....73,

Jack

WORLDWIDE PREDICTION CHART AUG/SEP 1970

GMT	RCVR ZONE	SOUTH & CENTRAL AMERICA	EUROPE MID EAST N AFRICA	CENTRAL ASIA FAR EAST	SOUTH & CENTRAL AFRICA	AUSTRALIA SOUTH PACIFIC
0000 to 0300	E	19F 25F 31F 49F	25F 31F	16G 19G	16G 19G 25F 49F	16F
	W	19G 25F 49F	25G 31G	19G 16F	19G 16M 25F 60M	16F 19F
0300 to 0600	E	25G 31G 49F 60F	31G 25F	25F 31M	25F 49F 60F	16F 19F
	W	25F 31G 49F 60F	19G 25F	31G 25F	25G 31F 49F	19F
0600 to 0900	E	31F 49F 60F	31G 25F 41F 49F	31G	25M	25F 31F 49M
	W	25G 31G 49F 60F	31G 49F	25G 19M	31F 49F	19F 25F 49F 60F
0900 to 1200	E	19G 49F 60M	19G 25F 31F	19F 25F 31F	19F	25G 31G 49F 60F
	W	25G 49F 60F	31G 41F 49F	25F 31F 19M	NIL	25G 31G 49F 60F
1200 to 1500	E	19G	19G 16F	19G 25F	16F 19F	25F 31F
	W	19G	25G 31M	25F 31M 49M	25F	25G 31G 49F
1500 to 1800	E	19F	19G 16F	19G 16F	16F 19F	NIL
	W	19F	19G	19G 25F	25M	25F 31M
1800 to 2100	E	19F	19G 16F	19G	16F 19F	16F 19M
	W	19F 25F	19G	19G 16M	19F	16F 19F
2100 to 2400	E	19F 25F 31F	19G 16F	19G 49M	16F 19F	16G
	W	19F 25F	19G	19G	19G	19M

"RCVR ZONE" indicates listener's region; E represents EST & CST time zones, and W is for MST & PST zones. Reading down to the appropriate GMT and RCVR ZONE and across the area from which reception is desired will indicate the SWBC bands most likely to offer reception. Quality of openings is shown by G, F, M .. Good, Fair, and Marginal respectively.

16 Meter Band 17700-17900 kHz
 19 Meter Band 15100-15450 kHz
 25 Meter Band 11700-11975 kHz

31 Meter Band 9500-9775 kHz
 41 Meter Band 7100-7300 kHz
 49 Meter Band 5950-6200 kHz
 60 Meter Band 4750-5050 kHz

ASWLC RECEIVER SURVEY

JULY 1970

HERE ARE THE FINAL RESULTS OF A RECENT SURVEY OF 251 ASWLC MEMBERS. WHERE MORE THAN ONE RECEIVER WAS REPORTED, BOTH WERE INCLUDED IN THE TOTALS.

Here is the breakdown according to models. The number indicates the number in use.

Drake SW-4A	27	The following list is the singles	
Realistic DX-150	19	AGS 38	RCA 3BX617
Hammarlund HQ-180	18	Aircastle 1504	RCA GR-10
Galaxy R-530	14	AIWA Portable	RCA K-80
Heathkit GR-64	12	Allied 2660	Regency MR-10
Knight Star Roamer	12	Channel Master	Ross 1818
Hallicrafters S-120	11	Collins R-390A/URR	Ross RE-8000
Heathkit SB-310	11	Collins 51J4	Sears Worldtraveler
Heathkit GR-54	10	Drake 2-C	Sharp FU-1710
Realistic DX-120	8	Eddystone 940-1	Sony Super-Sensitive
Zenith Transoceanic	8	G.E. Port. 17 tran.	Stromberg-Carlson 535-M
Allied A-2515	7	G.E. T2230C	Surplus ARC-502
Hammarlund HQ-145	6	Golden Glibemstr. 5000	Surplus ARB-Navy
Hammarlund HQ-200	6	Grundig Majestic 7000	Surplus BC-AS-229
Drake R4-B	5	Heath Mohican GC-1A	Wayfarer Portable SW
Grundig Satellit	5	Hallicrafters S-39	Ameco R-5
Hallicrafters S-38B	5	S-20R	Blaupunkt D-10736
Hallicrafters SX-130	5	S-38C	Longines Symphonette Portable SW
Hammarlund HQ-100A	5	S-38E	
Zenith R-3000	5	S-40A	and one late model:
Zenith R-7000	5	S-76	Atwater Kent BCB rcvr. model 42
Hallicrafters SX-122	4	S-107	
Hammarlund HQ-140X	4	S-118	HERE IS THE SCORE DIVIDED UP BY
Panasonic SW Port.	4	S-119	MANUFACTURERS:
Allied A-2682	3	S-129	
Drake SPR-4	3	S-240	<u>TOTAL</u>
G.E. Worldmonitor	3	SX-24	HALLICRAFTERS 75
Hallicrafters SX-28	3	SX-25	HAMMARLUND 44
Hallicrafters S-200	3	SX-43	DRAKE 36
Knight R-100A	3	SX-71	HEATHKIT 34
Lafayette HA-600	3	SX-75	REALISTIC 27
Nordmende Glibtravlr.	3	SX-101	KNIGHT 19
Aircastle TR1504	2	Hammarlund HQ-120	LAFAYETTE 18
Hallicrafters S38-D	2	HQ-129X	ZENITH 18
Hallicrafters SX-99	2	SP-200	GALAXY 14
Hallicrafters SX-100	2	Knight Spanmaster	ALLIED 11
Hallicrafters SX-110	2	Knight R-55"	NATIONAL 11
Hammarlund SP-600	2	Lafayette HE-30	GRUNDIG 6
Knight R-195	2	Lafayette HA-225	SURPLUS 6
Lafayette HE-10	2	Magnavox Constellation	
Lafayette HA-230	2	Masterworks 6 Band	NOTE: I am interested in your
Lafayette HA-320	2	Monarch HAM-1	comments on this survey, and if
Lafayette HA-700	2	National HRO-50	you think future surveys of
National NC-77X	2	HRO-60	this type would be worthwhile.
National NC-98	2	NC-88	My address is:
National HRO-500	2	NC-100A	
Norelco All-Band	2	NC-105	Dave Thorne - Secretary
RCA AR-88	2	NC-188	American SWL Club
Realtone 2437	2	NC-190	1506 Dresser st.
Realtone 4 Band	2	RBL-5	Santa Ana, CA 92701
Surplus BC-348Q	2	Norelco Port. 19 tr.	U. S. A.
Surplus RAL-7	2	Olson RA-48	
		Peerless 1660	

F R E Q U E N C Y I N D E X

For your further convenience here is the Shortwave Review information in frequency order along with time and state of origin of report.

- | | | |
|---------------------------------|---------------------------------------|--|
| 3250 So. Africa 0400 GA | 5060 Mongolia 1530 HI | 7120 Malaysia 1600 HI, 1130 CA |
| 3300 Brit. Hond. 0030 PA | 5085 Unident. Indonesia 1200 Thailand | 7125 Guinea Rep. 0700 CA |
| 3340 Ecuador 0530 WA | 5205 Unident. Indonesia 1500 Thailand | 7145 Laos 0500 Thailand |
| 3355 New Britain 0830 WA | 5955 Guatemala 0400 IL | 7160 Sarawak 1430 CA |
| 3360 Guatemala 1120 CA | 5955 Brazil 2330 MI | 7165 Ryukyu Is. 1100 CA |
| 3380 Guatemala 0400 GA CA WA | 5960 Angola 0500 IL | 7170 New Britain 1030 GA |
| New Britain 1020 GA | 5963 Angola 0530 CA | 0700 WA |
| 3390 Ecuador 1030 GA | 5965 Morocco 0300 MI | 0730 WA |
| 3952 So. Africa 0430 IL | 5965 Brazil 0030 MI | 7175 Liberia 0600 CA |
| 3997 So. Africa 0000 NC 1430 IL | 5970 Colombia 0930 CA | 7210 Senegal 0630 IL |
| | 5981 El Salvador 0400 WA | 7215 Brunei 1300 CA |
| | 5999 Singapore 1330 Thail. | 7305 Nigeria 0500 IL |
| | 6000 Brazil 0000 MI | 7511 Clandestine Thaild. 1730 Thailand |
| | 6005 Bolivia 0400 CA | |
| | 6025 Brazil 0300 MA | 8005 China 1500 Thai. |
| | 6035 Brazil 0200 CA | 8660 Laos Clandes. 0430 Thailand |
| | 6037 Costa Rica 0300 CA | |
| | 6040 Colombia 0330 CA | 9360 Spain 0200 NC 1430 GA 1040 CA |
| | 6045 Peru 0300 CA | 9505 Japan 1200 CA |
| | 6050 Honduras 0400 WA | 9505 Dominican 0330 CA |
| | 6065 Colombia 0230 MA | 9515 Mexico 0330 CA |
| | 6066 Argentina 1030 CA | 9520 Papua 0600 WA |
| | 6075 Colombia 0330 MI | 9540 New Zealand 0600 WA |
| | 6075 Ascension Is. 0400 CA | 9555 El Salvador 0330 WA |
| | 6085 Monaco 0330 CA | 9570 Chile 0300 CA |
| | 6090 Argentina 0000 Thailand | 9570 Nigeria 0630 PA |
| | 6090 Australia 0800 CA | 9575 India 1500 CA |
| | 6090 Nigeria 0430 IL | 9579 Indonesia 1800 Thailand |
| | 6095 Peru 0330 CA | 9580 Philippines 0930 WA |
| | 6100 Australia 0900 WA | 9590 Chile 0000 MI |
| | 6115 Colombia 0900 WA | 9610 Australia 1300 CA |
| | 6115 Chile 0400 CA | 9615 Costa Rica 0300 CA IL |
| | 6115 Mexico 0300 CA | 9615 Morocco 0600 IL 1800 WA |
| | 6125 Honduras 0530 CA MA | 9625 Gt. Britain 2100 MI |
| | 6130 Laos 1230 CA 1300 CA | 9645 Costa Rica 0300 MI |
| | 6135 Brazil 0830 MA | 9650 So. Africa 0600 CA |
| | 6140 Australia 1430 CA | |
| | 6140 Colombia 1000 WA | |
| | 6150 Costa Rica 0530 CA | |
| | 6155 Japan 1400 CA | |
| | 6160 Colombia 1030 CA | |
| | 6170 Venezuela 1000 LA WA | |
| | 6170 Morocco 2230 MA | |
| | 6170 Malaysia 1100 GA | |
| | 6180 Guatemala 0300 MA CA | |
| | 6250 Guinea Equatorial 0500 CA | |
| | 6718 Vietnam N. 1400 Thailand | |
| 5010 Singapore 1400 CA | | |
| 5020 Colombia 0330 MA | | |
| 5026 Bolivia 0230 LA | | |
| 5035 Kazakh 1530 HI | | |
| 5047 Togo 0530 WA | | |

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DX GUIDE

Picked up a copy of "The Radio Amateurs DX GUIDE" the other day. Found it to be a very interesting and useful publication for the swl-DXer. Among other things, it has the great circle bearings in degrees listed for every radio area in the world. (about 600). The listings cover the bearings from 20 major U.S. cities as well as the geographical center of the U.S. Also bearings are given for areas within the U.S., this would be especially useful if you DXed the BCB. EXAMPLE: IF you lived in Detroit and you wanted to know the bearing for Colombo, Ceylon, you would turn to page 18 (Detroit) and find Colombo. After the name is the bearing in degrees. (23 degrees). Lots of other maps and information are included in the book. It is published by Radio Amateur Callbook, Inc. and available through your local HAM store. price \$2.00. (WPE6QZ)

DRESS UP THAT OL' SHACK!!

Here is a nice display you can make to fill up all that bare wall space in your shack. hi. I picked up an extremely nice looking world map for the low price of \$.39¢. at my local friendly stamp dealer I purchased a sheet of perforated gummed stamps depicting the flags of 150 countries, for the nominal fee of \$.23¢. Now each time I add a country to my verified list, I place a flag of that country around the border. So far I've gone across the top, and halfway down one side. Looks nice & your guests can tell at a glance what countries you have "caught".

(WPE6QZ)

HCJB - ASWLC The "Voice of the Andes", Quito-Ecuador uses "SWL" as its' official dx guide on the "DX PARTY LINE". Tune in at 0330-0400 GMT, Tuesdays on the 19, 25, & 31 meter bands. 1930-2000 GMT, Tuesdays on the 13, 16 & 19 meter bands. 0930-1000 GMT, Wednesday on the 19-25-31 & 49 meter bands. Listen to HCJB Today!

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And the sixth angel poured out his vial upon the great river Euphrates; and the water thereof was dried up, that the way of the kings of the east might be prepared. And he gathered them together into a place called in the Hebrew tongue Armageddon.
Revelation 16:12 & 16

(In The Super 70's It's the ASWLC)