

OFFICIAL BULLETIN OF THE
AMERICAN SWL CLUB
46C PARKWAY VILLAGE
CRANFORD, N. J.

SWL

"The DXers Bulletin"

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EDITOR

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ASST. EDITOR

Vol. 1 No. 4

Circ. 60

March, 1960

EDITORIAL: The rate of growth of our new club has been tremendous. Already we have nearly tripled our original membership and there is the obvious need for more pages in our bulletin. Naturally costs have tripled too, and now that we know that we are here to stay, we feel compelled to request yearly dues from all members. We ask that you complete the enclosed form and return it with just \$2.00 for a full year membership in the American SWL Club. This price was carefully selected to offer you the best bargain of all clubs and at the same time we feel that we can, by careful planning, cover all our expenses and expand our bulletin. Dues are payable before the next issue and will entitle you to full membership through March 1, 1961.

WELCOME TO NEW MEMBERS: We officially greet the following new members of the ASWLC: JOHN & MARGIE GIBSON from Reseda, California who heard of us through August Balbi.....ALBERT BROMLEY becomes our first Canadian member. Al is from Toronto.....RON GOBER of Wilmington, Del. is a BCB DXer who learned of us from Tom Mann. Ron is doing a swell job bringing others in too.....L. LUCILLE BLAIF of St.Petersburg, Fla. is welcomed into the fold. Lucille favors SWBC.....VERNON PACKARD of Birnamwood, Wis. is a well known name with experienced DXers and he has agreed to help the club with some Public Relations duties.....CHUCK WILLE favors the ham bands and hails from Kansas City, Mo.....FERDINAND DOMBROWSKI from Okauchee, Wis. joins with a FB TV DX log.....BILLY DRAEB of Kewau-nee, Wis. is another expert TV DXer we are glad to have on board.....MIRVILLE BURNS of Morrisville, Vermont is a young all-around DXer and credits go to Al Hovey.....BILL SPEEDIE of La Crescenta, Calif. enters our club with an impressive log.....STEVE EWING of Atkinson, N.H. has a fine log and heard of us from Ron Gober.....CLARK STRAW a young ham band DXer from Dallas, Texas joins us.DAVID COMBS from Columbia, Mo. joins the listening ranks.....FRANK WILLARD a newcomer from McKeesport, Pa. is credited to Dan Metro.....GARY YARUS of Pikeville, Ky. is welcomed. Gary covers the amateur bands.....CLIFFORD CARDWELL of Ft.Worth, Texas a young versatile DXer with a fine log.....RONALD FOX of Augusta, Georgia comes in with credits to Ron Gober.....RAY SONDER of Shawano, Wis. a young but experienced DXer is greeted.....JON WILKINSON of Chicago a new DXer is off to a good start.....We are hoping that there will be many more.

ASWLC NEWS NOTES: Shortly a new short wave magazine will be on the scene and we have all been promised a free look at the first issue, through the courtesy of editor Bob Cooper and SWBC editor Ken Boord. Subscription to this magazine will be \$4 a year. The QRA-QTH is "DXing Horizons" Box 3150, Modesto, Calif. The newest short wave club welcomes the newest magazine with every wish of success in the future.

Many excellent Radio and Communication publications are available from the Government. We suggest that interested persons write to the Superintendent of Documents, Government Printing Office, Washington 25, D.C. and ask for List number 82 which includes a list of electronic books and pamphlets available.

There is a possibility that we may carry a limited amount of advertising in the pages of "SWL". We would like to hear your comments on the subject and promise to be guided by the majority opinion. Income from ads might assure us of keeping our low dues, however, they might reduce slightly our bulletin space. Let us put it to a vote. Shall we have limited advertising or none at all?

Here are some other things that we would like comments on. More contest ideas for lower frequencies, BCB and SWBC; ideas as to how we can publicize the club more; should we open the club to overseas DXers, and are there any suggestions as to where stencils, paper, etc. can be bought at the lowest rate??

BROADCAST BAND SECTION

RON GOBER, 2221 Tatnall St., Wilmington, Del. reports "Following new stations logged here: WAVZ-1300, WJR-760, KWK-1380, WINX-1600, WTEL-860, WNAR-1110, WASA-;330, WLS-890, WWVA-1170, WRVA-1140, WOWO-1190. DX has been pretty good here lately, but it's been hard to pull the tough ones in. New verries are in from WSM, WMAQ, WWVA, WBZ and WCCO. Some of the boys who find it hard to get those Delaware stations ought to hear one of them better as WAMS-1380 in Wilmington has increased their power from 1000 to 5000 watts. My total stands at 69 stations logged in 21 states, with 18 verified...Hope you get 100 soon Ron.

CHUCK WILLE, 631 E.60th, Kansas City, Mo. "I logged exactly 50 new ones for a 150 total now. They are: XERPM-660, KTSA-550, KRLD-1080, KYW-1100, KSTT-1150, WMAQ-670, WSAI-1360, KFJZ-1270, KSO-1460, WRVA-1140, XELA-1030, XERR-570, KFRM-550, KSD-550, KCRG-1600, CFOR-1570, WDXR-1560, WLAC-1510, WMBD-1470, WTHI-1480, KTRN-1290, KGFL-1400, WJBO-1150, KRYS-1360, XERS-1380, KPLC-1470, KOB-770, WGN-720, KRMG-740, WABC-770, KFI-640, CMHQ-640, WLW-700, KMAC-630, CMQ-630, KDSX-950, XEOY-950, XED-1030, XEFV-1240, KAOL-1430 (anyone know the power?) KLWN-1300, KMMO-1300, KUSN-1270, KGBX-1260, KHAS-1230, WCBS-880, WMT-600, XEB-1220, WJJD-1160. These cover just about all that can be heard here in day or evening. I have only 12 more open frequencies and six are just above powerful locals which my S85 does not separate very well. I need mostly NE and SW states now....Fine list Chuck. We suggest listening just at sundown for many stations come through at this time which you don't normally hear..Ed.

RAY SONDER, 701 S. Main St, Shawano, Wisc. reports: "This is my first report to the ECB Section. Equipment here is an S-85 with a 75 ft. straight wire antenna. My total so far is 158 logged and 30 verified. The stations logged are in 27 states, 3 provinces, Mexico and Cuba and my best is XERC-790 in Mexico City..." Hope you make that 200 before July Ray and nice to hear from you. Ed

TOM MANN, 4641 N. Elkhart, Milwaukee, Wisc. reports the following new stations heard: KSTL-690, CFOR-1570 and WOR-710 also Tom reports logging the following FM stations: WISM-FM-98.1, WFAW-FM-107.3, WTMJ-FM-94.1, WBKV-FM-92.5 and WQFM-93.3. Tom would like to hear from other club members, so what say gang?

RILEY SUNDSTROM, RD#1, Box 98, Stockton, N.J..."With this ECB report I've heard 304 stations in 33 states and 8 countries, and have verified 72 stations in 20 states and 5 countries. New ones are: KMOA-1520, WLEM-1250, WPAC-1580, and WPGC-1580. There are more and more stations on all morning on Monday and I find DX harder to come by....Isn't that quite natural with a fine log such as you have Riley? We agree that the many all-nighters make things pretty rough. Ed. A Gonset 3-30 mc converter has been added to the shack and future plans include a 108 mc converter and a Knight Kit AM-FM Tuner.

DAVID COMBS, 909 Clayton, Columbia, Mo. reports: "I have also done some listening on the ECB this past month. My log shows the following new stations: KCTA-1030, WHO-1040, XERF-1570, WEBM-780, KFRU-1400, WLAC-1510, WOW-590, KTHS-1090, KSD-550, KWMT-540, WCKY-1530, KOMA-1520, KMOX-1120, KWOS-1240, KBIA-1580, WOAI-1200 and XEG-1050....Hope to see that log really grow. Dave uses a NC-60.

AL HOVEY, Jr., PO Box 202, Bonduel, Wisc. "On the ECB I have received the following new stations: KOA-850, WHAS-840, WTRU-1600 and WHAM-1180. The first two have QSL'd.

JON WILKINSON advises that WMAQ in his home city of Chicago announces that they want reports and will QSL all accurate ones.

MERV BURNS, Star Route, Morrisville, Vt. uses the slogan "Help Stamp Out TV-Listen Short Wave". Not bad, hi. Best DX so far is WCFL, Chicago. He has logged 76 stations so far.

Thanks to all for helping to make this section a little better every month.

CARD SWAPPERS

It was hoped that many new members could be obtained through our Card Swappers listings. As yet there have been no results. How about mentioning the club when you exchange cards with these non-members. Members names are underlined and listed first:

AL HOVEY, JR., P.O. Box 202, Bonduel, Wisconsin
STEWART H. MAC KENZIE, 348 Maine Ave., Long Beach 12, California
CLIFFORD CARDWELL, 2704 Boyce, Ft. Worth, Texas
RON FOX, 2611 Springwood Drive, Augusta, Georgia
TOM MANN, 4641 N. Elkhart Ave., Milwaukee 11, Wisconsin
JON WILKINSON, 8552 So. Blackstone Ave., Chicago 19, Illinois
DAVID COMBS, 909 Clayton, Columbia, Missouri
RAY SONDER, 701 South Main St., Shawano, Wisconsin
RONALD WHISTLER, 1733 E. 23rd, Wichita, Kansas
DICK BANYAI, 1836 North 36th St., Phoenix, Arizona
BETTY ELDER, 1202 Broadway, Bremerton, Washington
JACK MOLLAN, 703 Valley View Rd., Benton, Arkansas
DAVE HOWARTER, 85 West Vine St., Canton, Illinois
Anthony Cocciolo, 645 Leavenworth St., San Francisco 9, California
WILLIAM SMITH, Box 363, Browns Terrace, Uxbridge, Massachusetts
ROBERT PRINSKY, 707 Grosvenor St. Westmount, Quebec, Canada
JOE MORRIS, PO Box 3926, Cleveland 20, Ohio
KEN BRATZ, Route 1, Palestine, Texas
LAVOYD KUNEY, 7618 Beaverland, Detroit 39, Michigan
JOHN FREED, 1877 Edge Hill Rd., Abington, Pennsylvania
TOM MARTIN, Route #2, Mannington, West Virginia
STEVE LOVE, PO Box 4091, Spenard, Alaska
FRANK SHARIT, 99-526 Mikiol Place, Aiea, Oahu, Hawaii
VICTOR BRENER, PO Box 22, Sao Paulo, Brazil
COUSTATINO SABAZ, Box 3775, Santiago, Chile
AKE KARLSSON, Box 737, Vinden, Sweeden

Swappers names were furnished by ERROL URBELIS and STEVE EWING. Errol had a question of his answered over Moscow Mailbag on January 2nd and 3rd. He and Andy Keller put the program on tape. Steve has 6 of a possible 7 certificates from Boys Life Radio Club.

Ron Fox reports that for listeners with slim purses nice SWL cards can be obtained from the following address: "Ole Rube" (W6HTN) Del Mar, California. Ron says the price is only \$1.00 per hundred and that is hard to beat

Q and A SECTION

CHUCK WILLE asks, "What is the best time to listen for TA and LA catches?" BCE Trans-Atlantic openings are rather rare nowadays but they can be expected at any night after the middle of September until about the first of March. The best times for listening are about 1700 and from 0000 to 0300 local time. As Spring draws nearer the path of darkness between Europe and America becomes shorter. Latin American reception is mostly dependant on band conditions. On certain nights openings to the south are more favorable than on other nights. Past midnight is usually better only because of there being less interference at that hour. A good idea is to monitor a few strong LA signals such as CMQ and XEW, and only go looking for other Latin Americans when these reference stations are stronger than usual.

TOM MANN asks "Would it be possible to publish the E-skip forecast monthly?" Well, there are two things to consider here. One is availability of information and the other is space required. Suppose we leave it up to the membership, and if there is sufficient demand for a monthly chart then we will work something out.

TV - DX By BILL DRAEB, Ellis St. Kewaunee, Wisc.

For TV DX all you need is a TV set and rabbit ears, however, a high gain antenna and a sensitive receiver makes DXing much more profitable as far as logging stations clearer and farther away goes. The best set for DXing now is the 1960 Zenith with the 20,000 volt picture tube without remote control, however, the 18,000 volt model is almost as sensitive and can pull in good DX better than any other brand of TV. I have a 1959 Zenith and it has proven itself over the other sets I've had.

As you probably know, long distance TV is made possible by sunspots and certain weather conditions. For instance, on January 30, 1960 I pulled in KODE-TV channel 12 Joplin, Missouri, a distance of 640 miles. To have some idea when to expect such reception you have to watch the weather map every day.

One form of DX is "Ground Wave" reception when TV signals are bent by air currents usually on the back of a high pressure area. This is the way I got KODE-TV. The distances involved in this kind of reception are between 300 and 750 miles. Occasionally, however, they might go over 1000 miles.

Another form of reception is Sporadic E-Skip. This kind of reception is usually good from May to September with a minor peak in January. This form of reception is usually caused by sunspots and is very unpredictable. It covers distances from 500 to 1500 miles. This kind of reception is also prevalent between masses of air which are warm and others which are considerably colder.

Another kind of reception is Meteor Scatter. This reception is usually short and bursty. Most of the bursts last less than a second. It is caused by Meteors which enter the atmosphere leaving a trail of ionized gas from which TV signals are bounced back to Earth at a distant location. The distance is usually in the 500 to 1000 mile range and is confined to the low band of TV channels (2-6) but there are exceptions. Meteor Scatter reception is best during meteor showers although it can be seen almost any time. The Sporadic E-skip reception that I mentioned earlier is also confined to the low band channels and the Ground Wave reception occurs on all VHF channels (2-13) but especially on channels 7 to 13 which is the high end of the band and also the UHF channels 14-83.

My main means of verification is photographing the stations. I have over 100 photos and a few written verifications. I only began taking photos about 2 years ago otherwise I could have gotten more. I've been DXing since 1953. I have 38 stations over 1000 miles distant. Some are: KXLY-4 Spokane, Wash. 1,450 mi., CJON-6 St. Johns, Newfoundland 1685 mi., KGBT-4 Harlington, Texas 1445 mi., KROD-4 El Paso, Texas 1355 mi., CHCT-2 Calgary, Alberta, 1310 mi., CJCB-4 Sidney, Nova Scotia 1305 mi. Some of my high band loggings include KATV-7 Pine Bluff, Ark., KTHV-11 Little Rock, Ark., WSOC-9 Charlotte, N.C., KTVH-12 Wichita, Kan., WDBJ-7 Roanoke, Va., WKNO-10 Memphis, Tenn., and WBIR-10 Knoxville, Tenn.

I have photos of KBOI-2 Boise, Idaho 1430 miles as well as KROD-4, CHCT-2, CFRN-3, KTHV-11, and KODE-12 among the shorter ones. I also have received 36 UHF stations, 23 of which are photoed, the farthest being WFIE-14 420 miles and the most distant received but not photoed being WLEX-18 473 miles. Well, that's just a brief outline of the TV DX hobby.

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Thanks for the very interesting article Bill. I'm sure you will be glad to answer any questions which other members may have about this fascinating branch of our hobby. We would welcome any articles of this nature, as long as they cover a phase of Shortwave Listening.

We have also received comments concerning the use of WPE calls in "SWL". We will use them as soon as we are able to increase our pages. We support Popular Electronics system of registered monitors 100%.

15 METER CONTEST RESULTS

AL HOVEY, JR WINS WITH RECORD SCORE: The second ASWLC Contest covering the 15 Meter Amateur Band was won by a wide margin by Al Hovey of Bonduel, Wisc. The ARRL DX Contest which was in progress during the second weekend helped the scores but most high totals were the result of some expert listening and experience in rapid DXing. Here are the scores:

<u>Pos.</u>	<u>Date</u>	<u>Time</u>	<u>Member</u>	<u>Stations</u>	<u>Countries</u>	<u>Score</u>
1	2-6	1250	A. Hovey, Jr.	109	16	1,744
2	2-6	1400	M. Irwin	81	16	1,296
3	1-30	1520	B. Speedie	108	10	1,080
4	2-7	1320	K. Mac Neilage	64	14	896
5	2-6	0805	C. Straw	59	13	767
6	2-6	1250	C. Morrow	44	14	616
7	2-7	1230	J. Wilkinson	54	7	378
8	2-6	1750	C. Cardwell	55	6	330
9	2-6	1630	D. Combs	51	6	306
10	2-7	1920	R. Fox	37	4	148

AL HOVEY showed how to combine fast logging and good DX stations in reaching the Club's record score of 1744. Among the best DX was VQ4DT Kenya, HV1CN Vatican City, ZS50A and ZS6WS South Africa, and OA3NH Peru. Remember that Al led the 10 Meter contest in number of stations logged and finished second in that contest. Our congratulations to the new champ.

MAXEY IRWIN gained second place in his first contest try. A fine total of 16 countries earned him the runner up spot.

BILL SPEEDIE logged just one less station than Al and did not benefit by the ARRL Contest. Bill's ace in the hole was the use of all three modes, AM, CW, and SSB. Looks like Bill will be up near the top in all our contests. His best DX was KA2CB Japan, CE3ES Chile, JALACB Japan and LU3DAW Argentina.

KEN MAC NEILAGE found some pretty interesting DX on when the band really opened up on the last Sunday afternoon. Best loggings were OH5SM Finland, UR2BU Estonia, SM5BLA Sweden. I hope everyone enjoys these battles with the QRM as much as I do. Good luck to all on 20 Meters.

CLARK STRAW found lots of DX on 15. He was able to pick up three new countries. Clark's best were LU8LQD Argentina, OZ5JT Denmark, DL9KU Germany,

CHRIS MORROW the 10 meter champ had a rough time on 15. The DX was plentiful but not enough W and K stations were logged to make the DX really count heavily. OZ5JT, PAØHBO, ILLIS, OX3KW and HP1AC were best loggings.

JON WILKINSON in his first contest did very well. Jon is just starting on the Amateur Bands and our contest helped him get a good start. Best were SM5ACC, EL2R, UR2BU and I1AIM.

CLIFF CARDWELL'S log included HP1AC, PJ3AD, KZ5BA, OA4IS. DAVID COMBS pulled in VP5AA, YV1VP, XE1YJ. RONALD FOX'S best were XE3CP, WP4ARG and lots of those Novices who can be annoying to DXers on the low end of 15.

 CONTEST NUMBER 3-: Hope to see everyone in the next one. Here are the rules once more. Select any one hour period during the weekend of March 5 and 6. This month's contest is restricted to the 20 Meter Amateur Band. Simply multiply the number of stations logged by the number of countries logged. (ARRL List). SOME HINTS: Don't waste too much time trying to copy one station, move on. Don't spend too much time in the DX portion of the band. Be sure to log as many American stations as possible. Try different hours and pick the best one when the most DX is coming through. Lots of luck on 20.

AMATEUR SECTION

VERNON PACKARD, Box 199, Birnamwood, Wisc. reports logging the following: JA7IL Japan, HK7AB Colombia on 10 Meter fone, and ZS6AMV S. Africa and FQ8AE French Eq. Africa on 15 meter fone. "Isn't many but I haven't had any club affiliation in a while, and I wasn't prepared for reporting in to any bulletin. There will be many more in the months to come." We are glad of that Vern, and will be looking for them. Vernon is an expert Utilities DXer and has agreed to edit a section if there is enough interested. How about it? Ed

AL HOVEY, Jr., Box 202, Bonduel, Wisc. "I have heard the following 4 new countries to bring my HIC to 97. New stations are OH5NQ Finland, FE8AR French Cameroons, HKØAI San Andres and VP8DU Falkland Is. all on 10 meters. These QSLs have arrived: K5RWH, K7DEK, W6KUL, HKØAI and W9DRI. Other DX loggings include ZE7JV, JA6JY, JA1ACB, ZL3WB, FQ8AE, PY8MG, HP2MD, YS1MS, VP7BI and many more"...Fine list Al and thanks for your bringing in many new members.

GENE MCGAHEY, Box 206, Isola, Miss. "My countries logged has gone up to 62 with the latest being FG7XE Guadalupe. Latest QSLs received here were from TG9TI, I1KDB, G5TO and PAØHBO. My hopes are very high for a HQ-170 in June or July."...Thanks for the kind words Gene, hope you get that receiver OM.

STEVE EWING, Sleepy Hollow Rd., Atkinson, N.H. joins us with a fine log of 130 countries logged and 26 confirmed. Among his QSLs are: VE1QE, GM3KRQ, EL4A, EL6D, GB2SM, XE1AL, VP9RR, 9K2AZ, 9G1CF, KG4AA, KZ5KC, KH6ABY, KX6CA, ZB1WW, HZ1AB, PZ1AA and VA1DZ.

RON FOX, 2611 Springwood Dr., Augusta, Ga. "Latest DX logged include the following prefixes CE2, HC2, OA1, PJ3. Cant seem to get out of Central and South America. "...Keep listening Ron. The TA DX is in and out and takes some patience. Keep us posted on how you make out. Ed.

CLIFF CARDWELL, 2704 Boyce, Ft. Worth, Texas. "Country total is now 36. New ones are PJ2AD Aruba, HP1AC Panama, I1CL Italy, ZE7JR S. Rhodesia, VP2DX Dominica and VP3HAG British Guiana!...Good Cliff, and keep that total climbing.

GARY YARUS, 1005 Garred St., Pikeville, Ky. added the following new countries to bring his total up to 76. LX1HM Luxembourg, CR6CA Angola, GD3UB Isle of Man, and LA6CF Norway. Nice rare ones.

GENE MOLTER, 10 Hawthorne Ave., Needham, Mass. "Here is a summary of my log of the past month: I1RC Trieste, VK6SK Australia, HCCC8 Galapagos Is., XEØIOT Mexico, VQ5FS Uganda and FF8AK French West Africa. All were logged on SSB and Uganda, Trieste and Galapagos are new countries giving me HIC-40, just on SSB and a grand total of 125 countries heard. Other DX is VE2AIG/VU, PZ1AK, ZS1JA and VP7BI"...Sorry you missed the contest Gene. See you on 20M.

BILL SPEEDIE, 3557 Community Ave, La Crescenta, Calif. "Here's my report for the month: 4X4JU Israel on 20 cw and the following of 40 meter cw, UA1KAG UAØKDA, UAØKJA Russia, VP2KD St. Kitts, and VP3IG British Giana." Any other 40 meter reports will be welcome. Hope to hear from every month Bill.

CHRIS MORROW, 22 Tamara Lane, Cornwall, N. Y. "Total now is 146 countries heard and 71 confirmed. Here is a list of new countries: All 20 meter SSB except HV1CN Vatican City of 15M. VU2ANI/5 Andaman Is., HS1K Thailand, LA3SG/P Jan Mayen, FF8AK French West Africa, MP4DAA Das Is., HB9FC/VQ8 Mauritius, HCCC8 Galapagos Is., KG6AAY Guam. Other DX is FF8AP, TF2WEG, UB5WF and UC2AA. QSLs have arrived from: CR9AH, VK9NT, GI4RY, G4ZU, G6UT, ZL1BY, GB2SM, XE2DS, VP9RR, CX1CA, EA5CS, I1TC, PI1MID, CT1PX and PY7HS...Great report Chris and best of luck on your favorite band, 20 meters. You'll be hard to beat. Ed.

DAVE COMBS, 909 Clayton, Columbia, Mo., "My DX on the ham bands has been picking up thanks to the contest. New ones are KL7WW Alaska, VP5AA Jamaica, YV1VP and YV5AFA Venezuela, G2XK England, HCLKZ Ecuador, PY7VN Brazil, HK7AB Colombia, VP7BE Bahamas and KG4AU Guantanamo Bay. HIC now is 13.

CLARK STRAW, 8606 Edgemere, Dallas, Texas, "Countries logged is now 78. I heard HKØAI San Andres, KM6BI Midway Is., and from a friend's Collins 75A4 I heard UC2AA. Cards are in from DULSA and VP4LG and that makes 32 countries verified."...Thanks for report Clark & liked your story. Clark also picked up the following while waiting for the contest: VQ3CF, CN8CS, OZ5JT, OA5F, LA3K and UL7FA from Kazakh SSR in Russia. How's that for DX?

RICHARD SLIMAK, 21 Tamara Lane, Cornwall, N.Y. raised his HIC to 73 with the addition of an OQ4 station in the Belgian Congo.

SHORTWAVE NOTES by August Balbi: Mr. Balbi has been listening to the short wave bands, and keeping daily logs since 1933. His knowledge of our hobby is well known throughout the world, and we are pleased to list here his suggestions to the newer listeners. He states that the three keys to successful DXing is TIME - KNOWHOW - PATIENCE. Remember, it's still the man behind the gun, rather than the gun, that gets the bird; or that rare DX station. His tips are: (1) Know the calibration of your receiver down to 5kc on every band you are working. (2) Use the universal time, GMT. (3) Develop accurate logs, calibration charts and keep the shortwave tips from magazines and club bulletins. (4) Be aware of the vast differences between East and West coast reception. Always take into account the reporter's location. (5) A receiver is only as good as its antenna. Use an efficient one. (6) Being a member of a SW Club is the best way to gain information and win friends the world over.

JOHN E. GIBSON sent us a swell article which he had written some time ago for the magazine Science Digest. I will mail it to one of our members picked at random. That person should sign his name to it and pass it on to another member. It is hoped that many will have the chance to see it in this way.

VERNON PACKARD our Public Relations Director has begun a crusade which will be carried, in part, by the ASWLC. The essence of this crusade is to perform specific services to our fellow man thus making our WPE calls stand for something. Below is one way in which SWLs all over the free world can be of service to their country and be a credit to their hobby.

Broadcasts from behind the Iron Curtain contain two parts. One is their fine cultural programs which often contain very entertaining and factual presentations of this aspect of life in these countries. The other part is the pure propaganda which we can easily recognize as poison. If in our reports to the Communist Bloc countries we do not mention this second part at all, but just comment on the cultural parts of their program, they will soon realize that to interest western DXers in their programs they will have to present more and more of the non-poisonous material. Praise their music, their dances and literature highly but make no mention of their lies. Perhaps in this way we can alter somewhat the quantity of red propaganda being hurled at us.

SWBC SECTION By MAXEY IRWIN, 118 Public Square, Sparta, Tenn.

Send all SWBC reports to me direct. Deadline date is always the 10th of each month. Use only GMT...Since the majority of reporters want individual recognition, from now on we will follow that policy. We are going to drop the initials and use last names. Now to the reports:

AFRICA

BECHUANALAND: Mafeking. Is ZNE now on 5900 at 1300-1345? METRO

TANGIER: VOA hrd in Eng. at s/o 0600-0630 MAC KENZIE- VOA on 9760 at 0300 ID under Radio Moscow. SONDER..The Voice of Tangier is being relocated in Monte Carlo with a power of 100kw, operated by the same group. The station will run full missionary schedule and have three 300 ft towers. NNRC-BOORD

AFGHANISTAN: Kabul hrd testing in Eng. on 9753 at 1300-1330. Wants reports.

Also in Eng. to Europe at 1900-1930 on 9786. ROTH

CONGO REPUBLIC: Brazzaville, hrd at 0215 on 11725. EWING. BROMLEY Hrd in language at 1330 on 21500. BACKUS. Also hrd at 1900 s/on till 2250 with Fr. news

at 2200. BALBI--Some days on 9785 in place of 9770.

RHODESIA: Salisbury weak w/QRM at 2030-2100 on 6020. BROMLEY

SOUTH AFRICA: Paradys. SABC hrd at 0500 in language on 9523 w/good level.

BACKUS. Also at 0440 w/piano music on 4895. BROMLEY

GHANA: Accra. Noted strong from 0535 w/african rythms and vocals on 3365 and 4915 with poorer level w/squeal. Also at 0610 w/local news in English. BBC

relays at 0615. GIBSONS. Also daily in Eng. at 0800-0900 on 9640. BALBI

ANGOLA: Luanda. Noted at 2145 on 17795 w/Portuguese news at 2215. Signal loud and crystal clear. GIBSONS

LIBERIA: Monrovia. ELWA at 0640-0800 on 4770. Using new 50kw transmitter. BALBI Also at 0140 w/Eng til 0149 s/off. Good on 11986&21535. BROMLEY-SONDER

GUINEA: Conakry. Good on 4910 in Fr. at 0650 w/drums talks & ID. BROMLEY

LIBYA: Benghazi. Hrd at 0630 w/Arabic and music on 3304. BACKUS

MOZAMBIQUE: Lourenco Marques. Hrd w/Africans & Eng. at 0330 on 9720. BACKUS.

Hrd then announce they would use 60 meter trx. at 0500-0800 local time. GIBSON

SUDAN: Omdurman. Noted w/fair signal on 11855 at 1945-2045. Some days cant raise. GIBSONS

IVORY COAST: Abidjan. On 7215 at 0630-0800 w/Fr. news at 0645 Sat. only. Sun. only at 0715-0830 fade out w/Fr news at 0730. Very strong but Ham QRM. BALBI

SENEGAL: Radio Mali hrd Sun. only on 11895 at 0830 w/Fr. news and ID at 0833.

On 4955 at 0630 s/on w/fair sig. //7210 w/QRM from Moscow. Fr. news at 0715 & s/off at 0800. On 4893 at 0630 s/on w/Fr. news at 0700. Weak to fair. BALBI

NIGERIA: Lagos hrd from 0540 w/continous march music to 0600 when gave time pips and BBC news. Fair signal w/some noise on 4990. GIBSONS

Kaduna. Hrd very strg. and clear from 0555 w/native music on 3326. At 0600 gave ID and time. Ther BBC news till 0615 w/signal failing. GIBSONS

TUNISIA: Tunis. On 9630, new frequency, at 0500-0815, 0915-1000 and 1600-1900 Arabic w/western music at times. BALBI

MAURITIUS: Forrestside. Vy good sig. at 0730 on 4855 w/Fr news and music. BACK

ASIA

TAIWAN: Taipei. Hrd w/language and Eng. at 0130. Good sigs on 17755. BACKUS

Moved to 7130 from 7235. S/on at 1005-1050. Eng news at 1015//11815 fair. BALBI

CHINA: Fukien. Hrd from 1400 w/IS music followed by time ipis and ann. in chingo-lingo. Fair signal plus on 4980. GIBSONS

GUAM: Agana. Hrd at 1345 to past 1355 testing in Eng. on 9490. QRM. METRO

ISRAEL: Jerusalem. On 9009 at 1515 s/on all in language til 1545 s/off. BALBI

GIBSONS.. Good in Eng. at 2050-2102 BROMLEY. Also at 2115-2145 in Eng. to Africa. BALBI-ROTH

INDIA: New Delhi. VUD hrd w/good signal during its European Service on 11710 from 1945-2045 s/off ROTH-BALBI. Also VUB, 9550 strong to 1600 in lang. BALBI

SARAWAK: Kuching. Hrd on 4950 w/Eng news til 1315. Good signal at this time but deteriorates later. GIBSONS. On same freq. at 1100 Sun. only w/chimes at Eventide til 1115. ID at 1115 as R. Sarawak. Hrd til 1530 on 1/28. Regular s/off is 1430. Much improved signal lately. BALBI

NEW ZEALAND: Wellington. Hrd at 0233-0300 in Eng. on 15280 (ZL4). On 11780 (ZL3) in Eng. s/on to the Antarctic at 0807-0845 s/off. On 9540 (ZL2) in Eng. s/on 0625. This is continuation of ZL4 which signs at 0615. MAC KENZIE

JAPAN: FEN in Eng. at 2200-0000 on 15257. Also on 11750 in Eng. at 0430-0515. QRM from Moscow. MAC KENZIE.

Tokyo. Hrd in Eng. w/news at 0033 on 17855. On 9525 in Eng. Sunday only with Spotlight Bands at 0600-0615. Then into Japanese. MAC KENZIE.

PAKISTAN: Karachi. Clear & strong at 1530 w/Eng. news. At 1545 gave ID as "General Overseas Service of Radio Pakistan, then s/off. (GIBSONS)

CEYLON: Colombo. On 11770 at 1640 tuning til 1730 when s/on w/"Strike Up the Band". Strong Signal. Also at 0130 fair to good most days w/native program on 15120. Similar level on 15265 in Eng. GIBSONS

INDONESIA: Djakarta. Noted w/perfect signal on 3365 at 1445-1500. GIBSONS

TURKEY: Ankara. Opening at 2315 w/program in Eng. & Turkish on 9515. GIBSONS

IRAQ: Bagdad. On 6030 at 2030-2100. Weak. BROMLEY

NORTH VIETNAM: Hanoi. Hrd at 2300 on 15008 in place of 15020. Also on 9765 and 0930 is s/on for both frequencies. On 7019 in lang. at 1615. BALBI

THE AMERICAS:

CANADA: Montreal. CKLP hrd at 1300 on 9585 w/Announcer's Choice. PACKARD Halifax. CHNX hrd from 0115-0220 tuning. Carried CBC Network program til 0200 then ID as Maritime E/C Co., Halifax. This followed by news. Freq. 6130 GIBSON

UNITED STATES: New York. WRUL hrd at 1500 on 17750. PACKARD Los Angeles. AFRTS will have a new QSL available in March GOBER Belmont. KGEL is in process of being changed to Far East E/C System. It will be all religious "Call of the Orient" if transfer is approved. MAC KENZIE

ECUADOR: Quito HCJB hrd at 2030 on 15115 w/Caribbean Call. PACKARD. Noted on in German at 2300 SONDER.

Portoviejo. Radio Cenit hrd at 0413-0500 s/off. METRO

CUBA: Havana. COCW w/good signals at 0100 on 6370. ROTH GIBSONS

BRITISH HONDURAS: Belize. Noted between 0100 and s/off 0402 on 3300. TETZLAFF

SURINAM: Paramaribo on 15400 at 2300 w/Eng. and pop music. ROTH

MEXICO: Mexico City hrd at 1230-1300 w/music & talks. ID sounded like XEKQ on 6065. This is probably XEQ listed for 6080. METRO

PERU: Iquitos. Radio Loreto on 9520 at 0400-0500 s/off. ROTH

BRAZIL: Florianopolis. Radio Diario do Manha on 9675 at 0000. ROTH

Sao Paulo, ZYB8. R. Tupi de Sao Paulo hrd at 0100 on 11765. METRO

Manaus. ZYS8 hrd at 0328-0344 s/off on 4805. All Port. METRO

Recife. Heard at 2047-2130 on 11865. METRO

MAC KENZIE

ARGENTINA: Buenos Aires. LRA hrd at 0500-0530 on 9690, and at 0715 w/news.

COLOMBIA: R. Bucaramanga hrd at 0345-0403 on 4845. METRO

Radio Neiva hrd at 0415-0502 s/off on 4855. METRO

FRENCH GUIANA: Cayenne noted in French till 0100 on 6170. GIBSONS

COSTA RICA: San Jose. TIFC hrd in Eng. on 9645 at 0430. MAC KENZIE

VENEZUELA: Valencia. YVLA hrd at 0400-0110 s/off on 4780 Span. music. METRO

Caracas. YVKD w/"Night Beat" at 0030-0110 on Thursday on 5050. METRO

GRENADE: WBS hrd in Eng. at 0030 on 15085, also at 2320-0145. MAC KENZIE

EUROPE

AUSTRIA: Heard testing at 1115 on 25815. BACKUS

VATICAN CITY: On 9645 at 0830-1000 w/Sunday services. BALBI Also good at 1535 s/on til 1600 s/off on 21515 GIBSONS

FRANCE: Paris. Heard often at 1730 w/French and music on 17850. BACKUS

PORTUGAL: Radio Atlantico, CSA21, hrd at 2254-0000 s/off on 6373. METRO

GERMANY: Munich VOA noted w/ID at 0330 on 9530. GIBSONS. Cologne, Deutsche

Welle hrd at 1730-2045 on 17815. EWING. Hambugh, NDR can be hrd at 2300-0000

on 6070 w/German programs, also around 0500. ROTH Bonn, in Eng. at 0030-0100 also at 0400-0415 and music till 0500 on 11945. MAC KENZIE

CZECHOSLOVAKIA: Prague hrd at 0430 s/on in Span. to 0445 on 7340. METRO

YUGOSLAVIA: Belgrade hrd at 2045-2100 in German to 2200 in Span. on 6100. METRO

GREECE: Salonika. VOA hrd at 1600-1630 on 15330. Strong signal. GIBSONS

NORWAY: Heard strong at 1600 on 21670. GIBSONS

HOLLAND: Hilversum good at 0030 in Eng. on 6025 BROMLEY. Hrd fair to good at 1545-1600 tuning on 21480 GIBSONS Also at 2145 on 11730 EWING

BULGARIA: Sofia. Hrd at 0100-0130 and 0400-0430 on 9700. There is a good DX program on the first Friday of each month. EWING

DENMARK: Copenhagen hrd at 0200-0230 w/DX program on Wed. on 9520. ROTH

BELGIUM: ORU hrd daily except Wed. at 2230-2300 on 11850 and 9655. BLAIR

Our thanks to the following reporters: Alan Roth, August Balbi, Stewart Mac Kenzie, Albert Bromley, John & Marjorie Gibson, Steve Ewing, Vernon Packard, Ron Gober, Dan Metro, Floyd Backus, Ray Sonder, Lucille Blair & Tom Tetzlaff

KEN BOORD announces through his flash sheet that there will be a special program for DXers on 4VEH Cap Hatien, Haiti. The time will be 2330-2400 on Saturday April 16th. Let's all listen in to this broadcast and send in reports to this fine station. Frequencies are 9770 and 6000. 4VEH is expecting to have their new high power transmitters on the air within a few weeks.