

ARRL DX COMPETITION

1964 Results

COMPILED BY ELLEN WHITE,* W1YYM

Motivation

The captivation of the chase — the stacking up of yourself and your equipment against another station a mile away within your own section, or in your own country — the improvement of your operating techniques — the reliability of your antennas — all these make up the stimuli for the contest-minded amateur. A maximum effort within a relatively short period of time personifies this uniquely motivated individual, the contestant.

WHETHER it be the All-Asian affair pitting Asians against the rest of the world, the WAE affair with EU stations the protagonist or the ARRL International DX Competition, each and every DX-type contest has a special type of appeal setting it apart from all other competitive events. In 1964 the second and fourth week ends of February and March were the times, the DX bands the place and DXers comprised the cast for the 30th ARRL International DX Competition. DXers the world over turned out and found unexpectedly superb conditions. A total of 1474 logs were received from 116 different countries, 930 W/VL and 544 non-W/VL entries. In the pages to follow a number of new charts will break down many of the big single and multi-operator scores indicating the reasons for the large scores — versatility on all the h.f. bands — and spotlighting the single-band specialists and what they accomplished through a concerted effort on one band.

Regardless of scoring systems used, any equitable scoring arrangement pits stations in similar geographic regions, facing similar propagation conditions, against each other. While the "top" scores are always of general interest, certificate awards are based on competitions within a section or country. A total of 294 awards are due for mid-October mailing, attesting to achievements attained in the 30th ARRL Competition.

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The Clubs

Thirty-two clubs submitted sufficient entries (3) to qualify for the box listing. Significant is the almost million-point higher score of the Frankford Radio club with an all-out club effort to acquire another cocobolo gavel. PVRC with a fine "place" showing (and almost two million points higher than the previous year) averaged over 280-K points per member. Third-place NCDXC turned out well on both modes with W6KG and K6OHJ taking club awards. Among the top scoring clubs, a significant position change was shown by the Virginia Century Club going from 5th to 4th and almost 2 and a half million points. Praiseworthy, too, is the effort by the Ohio Valley crew breaking the million mark. Club awards are scheduled for mid-October mailing.

Ionization of the atmosphere may be attributed to the great volumes of r.f. generated by amateurs in the ARRL DX competition... etc...etc...



1965 ARRL DX COMPETITION

Phone: February 13-14, March 13-14

C.W.: February 27-28, March 27-28

From left to right, across both pages, a WAC-full of c.w. country toppers: Africa, ZS7M; Asia, JA1BRK; Europe, HA1KSA (ex-HA7P, HA1KK); S. A., YV1DP; N. A., PJ2AE and Oceania K6SDR at KG6AAY.



Soapbox

"Got countries 213 and 214 on 40, but no new ones for DXCC." — *W3MFW*. . . "15 went wild on Sunday afternoon the 2nd week end. Within less than an hour QSO'd VK ZL KG6 ZKI 9G1 JA and a VP8." — *K3MNJ*, opr. *K3KPV/3*. . . "Congratulations to FP8CB/PO8 for some f.b. operating!" — *K3LJZ*. . . "The propagation experts have their slide rules reversed — lower sunspot numbers result in better conditions judging from scores I've heard." — *W3WPG*. . . "Conditions on 20 were great!" — *W3PZW*. . . "W3FYS just missed getting 100 countries on 15." — *W3MSK*. . . "On 40 and 80 please ask the DX to send the call of the station being worked at the end of transmission." — *K2DCA*. . . "I am especially grateful to my father, W2SDB, who encouraged and taught me the real meaning of patience." — *W2GPH*. . . "It sure is a lot of work with dipoles. Last year I topped 361-K as K1RTB." — *W2MPX*. . . "Real happy to hear ZK1AR come back on 80, followed by KX6BU." — *W9WIO*. . . "SM5DIC/9Q5 deserves an award for the 'longest call in the contest'." — *W9QYW*. . . "Minutes/QSO on 80-17.6, 40-8.4, 20-4.6, 15-4.4, 10-3.4." — *W8VSK*. . . "Raised my 20-meter beam to 70' and noticed a big improvement over the 50' level." — *W8FGX*. . . "For once it wasn't even necessary to climb the tower in the middle of the night." — *W8ZCQ*. . . "A major frustration was my failure to work KG6AA on 40. I tried three different antennas with usually pronounced directional effects but his signal didn't change in the slightest. I could only conclude that his signal was arriving either straight down or straight up!" — *W42OJD*. . . "Who says 15 is dead? I worked almost as many countries on 21 Mc. as on 20!" — *WA2QMC*. . . "Next year three finals!" — *W0FDD*. . . "I believe the east coast DXers have some method whereby the reflectors on their beams prevent us from getting through." — *W0NFA*. . . "I ran down 3 batteries in my keyer." — *K1VSK*. . . "I thoroughly enjoy participating in this classic." — *KL7CYS*. . . "I hope the flu epidemic comes at a different time next year." — *W7MX*. . . "Still troubles with DX who won't work me thinking I won't count and W's who insist on calling me thinking I will count!" — *KH6FIF*. . . "Haven't heard such signals from Europe on 15 since '59." — *W7WJB*, opr. *K6ERV*. . . "My first contest and I surely underestimated the amount of work required and the fierceness of the competition!" — *W6RGG/6*. . . "Worked three VSI's in a row on 20." — *WA6YAT*. . . "There should be a multiplier based inversely on the power leak noise level." — *W6ERS*. . . "Frequently calling simultaneously or in succession were W4SHX W4SHJ and W4HSJ. This seemed to confound some of the DX operators." — *W4SHJ*. . . "40 was great the 2nd week end with stations from EU coming through with unbelievable strengths. See you next year from North Texas." — *K6LSG*, opr. *K0MIC*. . . "A wonderful test, as always." — *W6IBD*. . . "Our gang operated the first week end only." — *W6RW*. . . "We had an 11-hour opening to EU on 3/29." — *W6EPZ*. . . "The Gods were against me. A week before the test my beam came down in the wind, my receiver quit on me and the relays wouldn't close. I dropped my bug on the floor and broke it and my break-in system stopped breaking-in." — *WA6RUS*. . . "Biggest surprise, 14 countries on 10 with a Ranger, barefoot." — *K5ABV*, opr. *K6HRR*. . . "Worked 22 new ones bringing my total to 119 in 4 months up here." — *K5YAA/VOI*. . . "I wasn't going to enter a log but it occurs to me that the boys who sweat for the top spots need some of us privates and corporals to make up the ranks for them to command, hi!" — *VE3AU*. . .

| Minimum Number of Countries | | | | | | Minimum Number of Countries | | | | | |
|-----------------------------|----|-----|-----|----|----|-----------------------------|----|-----|-----|----|----|
| | 30 | 50 | 80 | 60 | 10 | | 30 | 50 | 80 | 60 | 10 |
| Band | 80 | 40 | 20 | 15 | 10 | Band | 80 | 40 | 20 | 15 | 10 |
| W1BIH | | 52 | 93 | 71 | | W4JAT | | 51 | | | |
| W1BPW | 30 | | 94 | | | W4JDR | 31 | 61 | 83 | 63 | 13 |
| W1BU* | 56 | 85 | 110 | 71 | | W4KFC | 40 | 80 | 111 | 76 | |
| W1EVT | | 61 | | | | W4KXV* | 52 | 74 | 122 | 72 | 10 |
| W1JYH | 30 | 51 | 80 | | | K4LIQ* | 44 | 78 | 104 | 83 | |
| K1LPL | | | | 60 | | W4LSG | | 55 | | | 12 |
| K1NOL | | 84 | 100 | | | W4MCM | | 52 | 93 | 64 | |
| W1WLZ | 48 | | | | | W4SHJ | 31 | | | | |
| W1WPO | | | 103 | | | W5BRR | | | 81 | | 10 |
| WB2APG* | 34 | 75 | 85 | 67 | | W45CBL | | 50 | | | |
| W2AYJ | | 76 | 83 | 64 | 11 | W5CKY | | 64 | 80 | | |
| K2DCA | | | 91 | 74 | 10 | K6HRR | | 59 | | | 14 |
| W2GGE | | 61 | 84 | | | W5WZQ | | 72 | 91 | | |
| K2HWL | | | 124 | | | K6AHV | | 61 | | | |
| W2IZS | | | | | 10 | W6DFY* | | 55 | | | |
| K2LAF | | | | 89 | | W6EPZ | | 72 | 93 | | |
| W42OJD | | 54 | | | | K6ERV | | | | 90 | |
| W2VJN | 30 | 54 | 80 | | | W6GRX | | 52 | | | |
| W2WZ | | 55 | 94 | | | W6IBD | | 57 | | | |
| W2ZWW | | | 92 | | | W6KG | | 57 | 81 | | |
| W3ADO* | 32 | | 96 | 62 | | W6LCX | | | 85 | | |
| W3AFM | | | 110 | | | W6MSM | | | 87 | | |
| W3BES | 33 | 77 | 88 | 70 | 12 | W6QGW | | | | | 11 |
| W3EKN | | 51 | | | | W6RW* | 30 | 88 | 101 | | |
| W3GHM* | 33 | 69 | 93 | 72 | | W6SBO | | | 101 | | |
| W3GRF | 45 | 84 | 105 | 73 | 13 | W6VSS* | 49 | 111 | 134 | 74 | 17 |
| W3GRS* | 32 | 55 | 85 | 69 | | W6WX | | 50 | 84 | | 11 |
| W3HHA | | 51 | | | | KH6FIF | | | | | 10 |
| W3HHK | | | | 60 | | W7PGS | | | 56 | | |
| W3IYE | | 57 | 81 | | | W8FGX | 42 | 80 | 109 | 72 | 10 |
| W3Kfq* | | 62 | 60 | | | W8JSU | | | 106 | | |
| K3KPV/3 | | 51 | | | | K8LEE | | 60 | | | |
| W3KT/3 | | 55 | | | | W8SH* | | 59 | | | |
| W3MCG | | 64 | 85 | | | W8VSK | | 95 | 94 | 70 | |
| W3MFW | 31 | 80 | 87 | 65 | | K8WVF | | 76 | | | |
| W3MSK* | 57 | 100 | 131 | 99 | 13 | W8ZCQ | | | 86 | | |
| W3MVB | | 50 | | | | W8ZJM | | 55 | 80 | 66 | |
| W3MWC* | | 65 | | 60 | | W9ERU | | 71 | 90 | 65 | |
| W3PZW | 37 | 52 | 133 | | | W9GIL | | | 81 | | |
| W3TMZ* | 39 | 77 | 95 | 75 | 10 | W9IOP | | 63 | 90 | 70 | |
| W3VKD* | 39 | | 98 | 84 | 14 | W9IRH | | | 80 | | |
| W3WJD* | 53 | 87 | 97 | 83 | | W9QYW | | | 81 | | |
| W3WPG* | 44 | 70 | 82 | | | W0AIH | | | 80 | | |
| W4BVV* | 38 | 64 | 85 | 68 | | K0MIC | | | 53 | 80 | |
| W4BCV | | 65 | 92 | | | W0NFA* | | | 63 | 90 | |
| W4DHZ/4 | 35 | 76 | 89 | 71 | 15 | W0YTQ* | | | | 91 | |
| W4DXI | | | | | 10 | VE2NV | 36 | | | | |
| K4GSU | | 65 | | | | * Multi-operator Station | | | | | |



DX Continental Champions

Single Operator

| C. W. | | Phone |
|-------------------|-------------|-----------------|
| CN8FW .246,240 | Africa | 606BW...92,394 |
| JA1BRK .237,384 | Asia | JA1BRK .26,535 |
| G4CP . . .327,113 | Europe | DL1KB .140,940 |
| HP1IE . .547,108 | No. America | KP4AOO .343,557 |
| KC6AAV.324,608 | Oceania | KX6BU .104,370 |
| YV1DP .492,048 | So. America | YV5BIG .381,150 |

"Nothing the matter with this 'quiet year' for excellent and surprising openings, considering." — VE2NV. . . . "Finally worked KJ6." — VE6PM. . . . "CU next year with 2 elements on 40." — VE6TP. . . . "Excitement and participation on 20 were terrific." — VE7VC. . . . "I hate to think what the phone QRM will be when conditions improve." — W3PN. . . . "Greater love hath no man who enters this rat race with a transceiver and dipoles for dear old FRC." — W3EGR. . . . "New QTH, new antennas, good phone conditions, a thoughtful wife, the best second op. in the states (K3JJG) and lots of good luck made this the best year yet on phone." — W3WJD. . . . "Been hunting an Asian on 80 for 3 years and ended up getting one on s.s.b., 4X4DK." — W3MWC. . . . "Ten was surprising March 14 and 15." — W3ZVJ. . . . "Our 20-meter phone totals include 134 DL, 82 G, 46 I and 22 F. On 15 we worked 34 I, 33 G, 29 DL and 20 PY." — W3MSK. . . . "Someone at ARRL (probably W1WFO) must have a ouija board. The phone week end of March 14-15 was the best I've ever seen." — W9GAI. . . . "Great 15-meter phone opening March 15. Sunspots where is thy sting?" — W6AJY. . . . "Running barefoot I got my toes stepped on many times but it was worth it." — W4AAG. . . . "I find that one larynx just isn't enough." — K8WVF. . . . "It's almost impossible to do well on 40 and 75 phone without directive antennas." — W2WZ. . . . "At my age I'm happy just to be in the contest." — W2JB. . . . "My greatest thrill in any DX contest so far was working FB8WW on 20 a.m., with the whole USA calling. Just proves that it's all in the antenna." — W2VCZ, opr. K2HLB. . . . "If phone conditions the second week end of a sunspot minimum, we should have more of them." — W1OKG. . . . "After over 25 years, I have a good rig, good revr. and beam and then I have to work 3 out of the 4 phone test days." — W1MRQ. . . . "Fabulous 15-meter EU opening the last Sunday of the phone test, 10 open to Central and SA at mid-day. It seems as the sunspots go down my scores have been going up and the competition gets rougher and rougher. Sometimes I just don't understand and other times I'm confused." — K6OHT. . . . "My biggest thrill was working JA1BRK on 10 phone for my first JA there in 2½ years." — K6ERV. . . . "My top phone score and conditions are supposedly getting worse." — W4BVV. . . . "Worked Israel on 40 and 75." — W4HKJ. . . . "It was a wonderful phone contest this year." — W6LCX. . . . "The phone DX participation was marvelous." — WA4MFS/VO1. . . . "I wish I had kept count of the DX stations I lost in the QRM caused by W's calling CQ DX." — K3ICK/VO1. . . . "Found Africa well represented on phone." — VE2-UX/3. . . . "Phone conditions were terrible up in B. C." — VE7BHW.

AFRICA

Continental leader CN8FW (K4EZL) wound up with 1710 c.w. two-ways on 7-14-21 Mc. Doug wonders what happened to Utah, North Dakota and Nevada? YL CR7LU found 10 meters absolutely dead. CR7IZ bemoans an ancient receiver but finds a new one quite impossible with a 43% customs fee! ST2AR put in a good "show" the first week-end but local problems caused his station to be confiscated in early March. Eric has enjoyed 11 years of contesting from the Sudan. ZD3A caused more than a flutter on 80-40-20 and 15 meters and found the test exciting. Lighthouse keeper ZS3EW says he never heard the bands in such poor condition the 2nd week end. ZS7M agreed, finding conditions very poor to W/VE in March. 606BW (K4JLD) missed the first half. Bee feels he's learned a lot from operating on the other side of the pond. 9L1TL has a guardian angel! At 2400 GMT at the very end of the March week end his TX blew a filter condenser and it took 5 days to replace it! 9Q5AB (DL7AH) delivered his logs in person with loud exclamations of praise for the operating know-how of the W/VE contingent.

VQ2WR reports getting South Dakota on phone after waiting 5 years for just that one state. 5H3JR didn't hear a single VE1, VE4, VE5 or KL7. He reports American operators the "most" in politeness, patience and proficiency. Due to flat-topping he found many otherwise potent sideband signals very difficult to copy. 5X5JG says this was his very first contest and great fun. 9L1HX reports generally good phone conditions and his first KH6 worked during the second week end.

ASIA

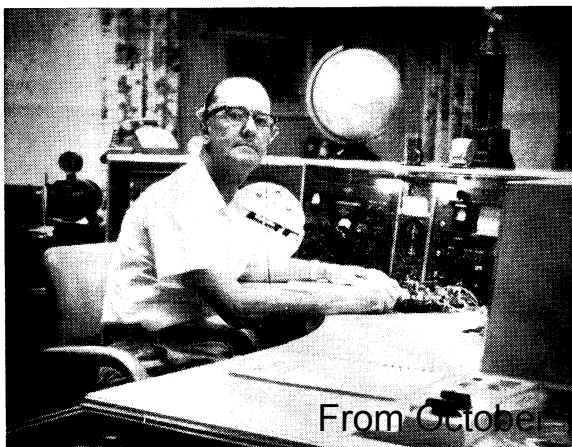
G2RO/EP spent 5 hours on 20 meters and raised 6 happy W's for an Iran multiplier. The balance of his operation was spent in amassing a healthy total from G2RO. JA1BRK topped Asian c.w. reports with 237-K using a quad on 20-15-10 and a vertical for 80 and 40. KA2LD picked up 7 new states during the test. Multi-op. KA2KS (K4OKZ, W6YVN, K9IHG and W4OXQ) managed to give K4OKZ's dad (W4KFC) a good run for his money with their V-beam over a rice paddy. KR6BQ tried hard though unsuccessfully to get through on 160. Jerry feels ten would have been good if activity picked up. He reports KH6FIF very loud when they moved up there and the only W/VE heard although he kept a spare receiver on ten throughout the test. Lebanon Ambassador OD5AX heard the test enjoyable and in scanning through his log we find just four reports over S-7; Hank gave an S-8 to W3PZW, W4KFC K4LIQ and W4SHW. VS1LP lists highlights of this year's tests: Working W1BB for their first 160 meter QSO, working W4KFC on 80 for his first east coast contact on that band, working W9s ADN and HUZ for his first W9's on 80 and working W5WZQ for his first W5 on 80. Bob also reports his first 5-band QSO with KH6FIF from 10 through 80. VS6FF (G3MZV) found 14 new states and hopes for a beam in the '65 competition. 9K2AN stirred things up some with a 7-hour stint in Kuwait.

BV1USG (operated by WA5FCZ) found phone conditions very poor with only one new state, Nevada. JA1BRK, high scoring Asian phone (as well as c.w.) operated the second week end only, averaging about 34 QSOs/hour.

EUROPE

High-lighting DL7AA's five-band operation was a go on 160 for three multipliers and 5 QSO's. His report illustrates band-changing through use of different colored inks,

W9ERU has demonstrated c.w. know-how umpteen times in DX affairs. Gene topped 406-K with 558 QSOs and a multiplier of 249. Radiators include an 80-meter phased array of three 60' towers in an equilateral triangle 66' apart, three 500' long wires usable singly or in pairs 120' degrees apart and a fan dipole 50' high; a 60' steel tower with 20- and 40-meter beams on top, a 7 Mc. 2-element rotary 60' high, three 500' long wires usable singly or in pairs, a fan dipole; on 20 a three-element rotary up 60', three 500' long wires used singly; on 15, two elements of a combination five element 10/15 rotary 50' high, also three 500' long wires used in pairs; 10-three elements up 50'. WOW!



f.b. Rudy. In his 2nd ARRL test, DL6VP was very pleased to meet many new U.S./Canadian hams. F8VJ enjoyed his 20th ARRL competition winding up with 1052 QSOs in just 46 hours. Top EU score by G4CP totals over 1800 QSOs, his highest number so far and close to the 2000-figure total Ron keeps trying for. G2QT says these long operating periods of the contest really show up the weak spots in home-built gear! The ubiquitous Bob Roberts, G2RO, affirms we've proved again that very short calls are enough so why don't we resolve to carry this over to normal operations? Tried again for Nevada says HB9JG and missed again. HB9KC reports his first W6-QSO on 40 (W6VSS). Conditions were poor the first week end (on 7 Mc.) and couldn't enter the 2nd part as I had to go up in the arctic to operate LI2C, says LA5HE. OH1SH reports on an enjoyable contest due to the operating calibre of the W/VE. SP6AAT worked his last state for WAS — Idaho.

Our first phone contest and watch our smoke next year says G3LDI. The fellows at GW3NWX pay tribute to the high standard of operating shown by all U.S. amateurs, without exception. 9A1AJ (1A1J) in his first multi-operator phone go at San Marino says to pass the word around that he QSLs 100%.

NORTH AMERICA

KP4BJU found it interesting to work two KH6's on 80. Although most of the c.w. operators were fine there were some superlative ones says Randy, W9IOP and the gang at W3WPG and W3WJD, for instance. Things would go faster, too, if more of the boys would use break-in and higher speed. Look for him in '65, perhaps multiop with his dad, KP4DV. KZ5FC reports the strongest signals from the states from W6VSS and W3MSK. PJ2AE operated his last contest from Netherlands Antilles. Stan set a goal of 200-K and made it, with a fine 5-band endeavor. He reports fading prominent on 40 and 80 and heavy QRN during full moon periods. 6YAXG (now 6Y5XG) reports being deluged with QSLs after the first week end.

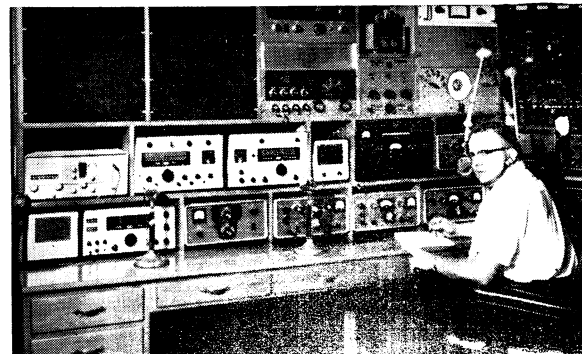
After entering his first phone contest, KZ5DG became a victim of that common disease which only more points and multipliers could cure. TI2EW worked 242 stations on ten meters but couldn't raise a single W7. He noted the following stations for tops in courtesy and efficiency: K3NHL, W0EZO, K2HLB, W6RW, W3MSK. VP7CC reports first week end problems with a burned-out power transformer causing operation with 2 crystals and a DX-60 and a sum of 600 phone two-ways that first period.

OCEANIA

KC6BK says 645 stations called him during the whole test and he only called two himself (VE8RX and W1WPO). KG6AAY operated by K6SDR turned in one of the niftiest c.w. logs, tops for Oceania c.w. — tops in legibility, too. KX6AJ reports the following: "Thinking that I was coasting into my 3rd uncontested high-KX6 award I did not push it too hard. When WA6HRS showed up to operate the club station (KX6BU) for the second week end I did not see any worry since I had such a big lead on him. So off I went on a skin-diving trip for part of the period while he hit it and I was taken like candy from a baby." In spite of execrable conditions VK5ZP found the test enjoyable and claims the best operators of the world are in this contest and it's a joy to work them. This is possibly the first claim for points from VK on 160 in an ARRL DX Test (W2KQT, W1BU). On the night of Feb. 23rd I heard a great many W's answering my calls on 1808 kc. but the noise level plus fading made it extremely difficult to copy, reports VK5KO. VR1B says conditions on forty were reminiscent of 20 in '59-'60 when short path used to be wide open to W.

W2VCZ operated this magnificent set-up at K2HLB for a superb phone single-operator performance. Bob put in 88 hours on 5 bands, working 107 different countries throughout. He claims the tremendous arrays at K2HLB (Ramsey, N. J.) make the difference: 6 over 6 on 10, 5 over 5 on 15, 6 over 6 on 20, 3 elements on 40 and a 2-element driven array on 80. See his countries per band totals elsewhere in this report.

| Minimum Number of Countries | | | | | | Minimum Number of Countries | | | | | |
|-----------------------------|----|----|-----|----|----|-----------------------------|----|----|----|----|----|
| | 5 | 20 | 50 | 50 | 10 | | 5 | 20 | 50 | 50 | 10 |
| Band | 75 | 40 | 20 | 15 | 10 | Band | 75 | 40 | 20 | 15 | 10 |
| W1AWE | | | 59 | | | W5AJY | 12 | | 51 | | 10 |
| W1BIH | | | 61 | | | WA5ALB | 6 | | | | 14 |
| W1FZ | | | | 53 | | WA5CBL | | | | | 18 |
| W1GKJ | | | 58 | | | K5JZY | 7 | | | | 14 |
| K1IMP | | | 58 | | | W5KC | 6 | | | | |
| W1YH | | | 51 | | | W5KTR | | 20 | | 54 | 19 |
| W2DAJ | | | | | 12 | W5LCI | | | | 55 | |
| K2HLB | 13 | 35 | 104 | 54 | 11 | W5LEF | | | | | 13 |
| WA2IEK | 5 | | | | | W5LB/4 | 5 | | | | 12 |
| WA2IZS | 6 | | | | | K5MDX | 16 | 28 | 54 | | |
| K2JMY | | | | 55 | | K6AHV | 9 | 27 | | | 17 |
| W2PUN | | | | 57 | | WB6BBT | | | | | 12 |
| W2QWS | | | | 69 | | K6ERV | | | 50 | | 11 |
| W2VJN | | | | 51 | | WA6GFY | | | | | 19 |
| W2WZ | 10 | | | 74 | | W6GRX | | | | | 13 |
| W3ADO | 12 | 23 | | 52 | | W6LCF | | | | | 12 |
| W3ALB | 7 | | | 51 | | W6LCX | | | 50 | | 10 |
| W3BES | 12 | 28 | 65 | 50 | 13 | W6LDA | | | | | 12 |
| W3CGS | | | | 51 | | W6HJ | | | | 51 | 14 |
| W3EQA | | | | | 11 | W6PKK | | | | | 11 |
| W3GHM* | 12 | | 50 | | 13 | WA6QGW | | | | | 15 |
| W3GRS* | 10 | | | 50 | 10 | W6RW | 11 | | 56 | | 15 |
| W3HA | | | | 53 | | WA6SBG | 14 | 27 | | | 16 |
| W3HHK | | | | | 11 | WA6SBO | | | | 50 | |
| W3IYE | 8 | | | 56 | | W6WB | | | | | 15 |
| W3JTC | | | | 58 | | W6WX | | | | | 17 |
| W3KFP* | | | | 58 | | KH6FBJ | | | | | 12 |
| W3KT/3 | 5 | | | 62 | | K8AJK | | | | 69 | |
| W3MSK* | 27 | 39 | 108 | 78 | 19 | W8EGR | | | | 56 | |
| W3MVB | 5 | | | | | W8LIO* | | | | 51 | |
| W3MWC* | 5 | 24 | 57 | | | W8NGO* | | | | 66 | |
| K3NHL | 10 | 21 | | | 11 | W8NWO* | 23 | | 75 | 59 | 17 |
| W3OCU | | | | 52 | | W8RXY | | | | 51 | |
| W3WJD* | 19 | 30 | 69 | 67 | 12 | W8UD | | | | 64 | |
| W3ZVJ | | | | 50 | | W8GMY | | | | 58 | |
| WA4AWG | | | | | 11 | W9GIL | | | | | 13 |
| W4BCV | 8 | 23 | 74 | 51 | 13 | K9PNV | 7 | | 55 | | |
| W4BVV | 18 | 34 | 84 | | 10 | W9WHM | | | | | 51 |
| WA4CGA | | | | | 11 | K9ZBI | | | | | 10 |
| W4HKJ | | | | 52 | | K0BJK* | | | | 67 | 10 |
| W4KWY | 21 | 22 | 75 | | 13 | W0QU* | 10 | | 50 | | |
| W4NJF | 9 | | | 75 | | W4MFS/ | | | | 55 | |
| W4OPM | | | | 59 | | VOI | | | | | |
| W4PRP | | | | 72 | | VE2ANK | | | | 51 | |
| W4RLS | | | | 75 | 15 | VE2UX/3 | 10 | | 74 | | |
| K4VWH | 12 | | | | | VE2WA | | | | 50 | |
| K4WHD | | | | 78 | | VE3PV | 8 | | 51 | | |
| K4ZJF | | | | | 11 | * Multi-operator Station | | | | | |



Single-Operator DX, over 200-K

| | |
|---------------------|--------------------|
| HP1IE.....547,108 | DL7AA.....273,978 |
| KP4AOO.....509,976 | VP7CC*.....233,332 |
| KP4BJU.....437,400 | CN8FW.....246,240 |
| YV1DP.....492,048 | GW3JI.....245,616 |
| YV5AGD.....465,690 | DL1KB.....244,122 |
| CE1AD.....454,320 | F8IH.....237,840 |
| YV5BIG*.....381,150 | JA1BRK.....237,384 |
| YV5AGD*.....366,252 | HB9JG.....234,630 |
| KP4CC.....362,871 | JA1VX.....227,988 |
| HK3RQ.....357,345 | 9Q5AB.....224,046 |
| KP4AOO*.....343,557 | HK4EB*.....222,525 |
| VP9L.....327,540 | OK1ZL.....220,365 |
| G4CP.....322,494 | T12EW*.....209,040 |
| KG6AA*.....324,608 | OZ3FL.....205,128 |
| TG9SC*.....304,854 | PJ2AE.....200,256 |

* Phone

K9CVJ/K6G had trouble with W/VE stations not listening to his complete call. KC6BK reminds the W/VE phone group of the unique frequency allocations for KC6: the a.m. phone band on 20, 15 and 10 but only 7100-7150 and 3.8 to 3.9. WA6HRS operated the 2nd phone week end from KX6BU averaging a hefty 32 QSOs per hour. ZK1AR was clobbered by both visiting persons and visiting aircraft.

SOUTH AMERICA

HK7ZT topped the 1000-QSO figure with QSOs on 1.8-28 Mc. Tony joins in the chorus of admiration for the W's operating ability. W1UFW at the helm of KC4USB was amazed at the operating techniques and said it was obvious that just about everyone was LISTENING. His biggest thrill was working 60 QSO's/hour from 8000 miles away with antenna 12' above the snow surface. YV1DP's enormous total of 2400-plus two-ways included 145 exchanges on ten meters. A beautifully typed report and top c.w. score from South America. YV5AGD's tremendous 466-K figure included 29 QSOs in 12 areas on 160!

HK4EB's 1000-plus phone sum includes a vocal two-way on 160 with W6VSS. OA4PI reports working W4BCV again on 15 and 20 and succeeded in chiding him into sending a Kentucky confirmation. Jim reports he finally came through after one year and 4 contacts plus 3 QSLs and a letter! Whew! VP3HAG reports favorable though unstable conditions, with 75 open between 0300-0700 GMT and 40 opening periodically between 0600-1100 GMT. In his first phone contest (and top S.A. score!) YV5BIG picked up 5 out of 6 states needed for WAS. Raul feels everyday operation is a snap after working pileups 10 deep! YV5BPG picked up his last two for WAS, Del. and Mont. That tremendous phone multiop job by YV5AHG utilized the talents of YV5s AFH AKP AKU in addition to AHG.

Disqualifications

The following are deemed ineligible for score listing or awards. In each case disqualification under contest rule 14 was in view of non-observance of FCC rules as reported by at least two accredited Official Observers, or by a single FCC citation: C.r. — WA6YLW W8LT W9TKD VE2AYU; Phone — K4Vfy WA6EMS.

Thirtieth ARRL

International DX Competition

Operator of the station first listed in each section and country is winner for that area. . . . The multiplier used by each station in determining score is given with the score — in the case of U.S.-Canada this is the total of the countries worked on each frequency-band used; in the case of non-W/K/KH6/KL7/VE/VO entries it is the total of the U.S.-Canadian districts worked on each band. . . . The total number of contacts is listed next. . . . The letters A, B, and C approximate the input to the final stage at each station; A indicates power up to and including 150 watts; B indicates over 150 watts, up to and including 500 watts; C indicates over 500 watts. . . . The total operating time to the nearest hour is given for each station and is the last figure following the score. . . . Examples of listings; W3BES. . . . 554,400-280-660-C-70, or final score 554,400; multiplier 280; 660 contacts; power over 500 watts; total operating time 70 hours. . . . Stations manned by more than one operator are grouped in order of score following single-operator listings in each section or country tabulation; calls or numbers of participants at multi-operator stations are listed in parentheses. . . . In sections or countries where three or more multiple-operator entries appear, the top-scoring station is being awarded a certificate.

C.W. SCORES

ATLANTIC DIVISION

Eastern Pennsylvania

| | |
|---------------------------------|------------------------------|
| W3BES...554,400-280-660-C-70 | K3HTZ...27,813-73-127-A-38 |
| W3MFW...517,068-271-636-C-82 | W3STA...23,085-57-135-B-22 |
| K3KPV/31...278,730-190-489-C-75 | W3TGF/3...21,228-58-122-C-60 |
| W3HHK...255,780-196-435-C-51 | W3GHD...19,215-61-105-B- |
| W3BIP...210,930-178-395-C-53 | W3CTJ...16,524-54-102-B-7 |
| W3KT/3...195,324-164-397-C- | W3N3M...14,014-49-96-C-15 |
| W3CGS...177,288-168-356-C-55 | K3CNN...13,296-48-93-B-18 |
| W3OCU...164,008-168-335-C- | W3ORU...13,200-50-88-C-20 |
| W3EQA...157,945-155-341-C-45 | W3KDF...13,158-51-86-C-6 |
| W3GHS...109,752-138-269-C-28 | K3NVC...12,816-48-89-B-45 |
| W3EUV...104,058-123-282-C- | K3MNT...12,540-44-95-C-20 |
| W3PN...99,918-122-273-B-32 | K3ELF...11,484-58-66-B-36 |
| W3DBX...98,889-119-277-B-45 | W3NCW...11,280-47-80-A-17 |
| W3BYX...73,233-103-237-B-65 | K3MCO...7770-37-70-A-14 |
| W3CAA...49,128-92-178-A- | W3GSY...7137-39-61-A- |
| W3INH...48,306-97-166-C-10 | W3CBF...6930-35-66-A-40 |
| W3ECR...45,936-88-174-A-5 | K3RFB...4704-28-56-B-25 |
| W3HHA...34,128-72-150-C- | W3DAO...4464-31-48-A- |
| W3QLW...29,949-67-149-B-22 | K3HNP...3978-26-51-A- |
| | W3AEM...2325-25-31-B-9 |
| | W3JSA...2016-21-32-A-15 |

V51LP on the left and top-band specialist W1BB on the right connected on 160 during the test, making it a thrilling highlight of this 30th ARRL DX Competition.



K3TRZ.....1200-16-25-A-7 W3AFM...100,980-110-306-C-40
 K3RHC².....450-10-15-C- - W3RNY.....96,876-117-276-C-50
 K3LJZ.....300-10-10-A-C-1 W3BKE.....17,442-51-114-B-12
 K3LSX.....18-2-3-A-3 W3EPR.....10,800-48-75-B-21
 W3WJD (K3JJG, W3WJD) K3TJE.....77-49-41-63-A-17
 708,666-329-719-C-94 W3KA.....4872-29-56-B-4
 W3GHM (4 oprs.) K3LLV.....3480-29-40-A-6
 550,275-275-667-C-82 W3IWS.....1751-17-35-C-8
 W3WPG (W3S SQX, WPG) 428,652-252-567-C-92 W3NJV.....663-13-17-A-8
 W3GRS (K3JCT, W3GRS) 1,250,622-402-1037-A-C-96
 428,250-250-571-C-90 W3TMZ (W3TMZ, W9SZR) 630,480-296-710-C-93
 W3MWC (K3LJZ, W3MWC) W3ADO (6 oprs.) 397,324-237-568-AC- -
 338,130-221-510-C-83
 W3KFQ (K3JGJ, W3KFQ) C-60
 K3JLI (K3JLI, W3YLL) C-88
 192,780-170-378-C-88
 W3QMZ (K2JXX, W3QMZ) C-42
 132,840-135-328-C-42
 W3BGN (K3IPB, W3BGN) B-96
 119,196-132-301-B-96
 K3OMP (K3s OMP YQJ) A- -
 5088-32-53-A- -
 K3WNT (4 oprs.) 110-5-8-A-15

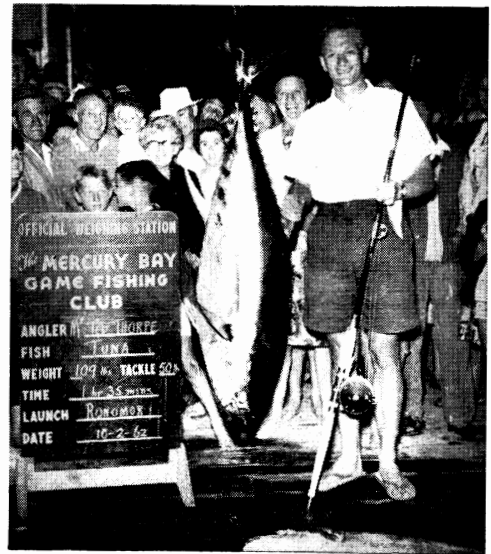
Delaware

Southern New Jersey

K2DCA...459,330-251-610-C-74
 WA2BLV...161,784-168-321-C-50
 W2DAJ...133,575-137-325-C-47
 W2QDY...85,020-109-260-B- -
 K2CPR...81,432-116-234-B-23
 W28DB...50,196-89-188-C-30
 WB2GPH...44,604-84-177-C-30
 W2PAU...43,803-93-157-C-30
 WA2TEK...28,914-79-122-C-33
 K2OEA...28,314-78-121-A-15
 W2HDW...18,975-55-115-A-9
 WB2FJF...16,758-57-98-B-29
 W2TLO...13,158-51-90-AC-23
 WA2QHQ...13,110-46-95-A-30
 WB2EDH...12,690-47-90-A-23

Maryland-D. C.

W3GRF...733,533-323-757-AC-80
 W3PZW...511,038-267-638-C- -
 W3MCG...287,205-205-467-C-50
 W3MVB...253,449-189-447-C-60
 W3MSR...215,424-176-408-C-76
 W3ZVJ...195,216-166-409-C-65
 W3EKN...141,816-152-317-C-47
 W3QQI...141,414-147-322-B-51
 W3ZQ...130,287-137-317-C-50



ZL2AWJ (assisted by ZL2RA) was a good catch on c.w during the test for 1300 W/VE's.

| Over 300 QSOs/band — DX | | | | | | | | | | | |
|-------------------------|-----|-----|------|-----|----|------------------------|-----|-----|------|-----|-----|
| Band | 80 | 40 | 20 | 15 | 10 | Band | 80 | 40 | 20 | 15 | 10 |
| CE1AD | | | 987 | 887 | | LX3AX | | | 515 | | |
| CN8FW | | 573 | 650 | 487 | | OA4PD ¹ | | | 533 | | |
| DL1KB | | | 501 | 484 | | OE5KE | | | 540 | | |
| DL1KB ¹ | | | 666 | | | OH1SH | | | 598 | | |
| DL4EA ¹ | | | 340 | | | OH2FS | | | 792 | | |
| DL4OV ^{1, 2} | | | 1174 | 370 | | OH2QV ² | | | 691 | | |
| DL5AO ¹ | | | 459 | | | OZ1W | | | 464 | | |
| DL7AA | | 344 | 625 | 447 | | OZ7G | | | 303 | | |
| EA4GZ ¹ | | | 924 | | | PA0LOU | | | 638 | | |
| F7GL ¹ | | | 396 | | | PJ2AE | | | 363 | 356 | |
| F8VJ | | | 476 | 303 | | PJ3CD ¹ | | | 620 | | |
| G2DC | | | | 446 | | PY1NEW | | | 537 | | |
| G2QT | | | 432 | 340 | | SL5ZL | | | 378 | | |
| G3KFX ^{1, 2} | | | 882 | | | SM3TW | | | 371 | | |
| G4CP | | | 1020 | 423 | | SM5BDQ ¹ | | | 437 | | |
| GI3OTV | | | 644 | | | SM6CKV ² | | | 766 | 407 | |
| GW3NWX ^{1, 2} | | | 717 | 387 | | SP6AA ¹ | | | 525 | | |
| HA1KSA | | 441 | 445 | 329 | | TG9SD ¹ | | | 888 | 412 | |
| HA5KBB ² | | 433 | 601 | | | TI2EW ¹ | | | | 414 | |
| HB9JG | | | 695 | 422 | | UA0KFG ² | | 306 | 765 | | |
| HB9KC | | | 316 | | | VK5ZP | | 544 | 418 | | |
| HK4EB ¹ | | | 304 | 444 | | VP3HG ¹ | | | 465 | | |
| HK7ZT | | | | 368 | | VP7CC ¹ | | | 723 | 450 | |
| I1BAF ^{1, 2} | | | 396 | | | VP9BY ¹ | | | 380 | | |
| I1CWN ¹ | | | 793 | | | VP9L | | 772 | 936 | | |
| I1GO | | | 305 | | | VS1LP | | | 337 | | |
| I1RB ¹ | | | 435 | | | YV1DP | | | 1122 | 797 | |
| I1ZIX | | | 688 | | | YV5AGD | | 520 | 411 | 549 | |
| JA1BRK | | 318 | 811 | | | YV5AGD ¹ | | | 503 | | |
| JA1VX | | 379 | 880 | | | YV5BIG ¹ | | | 982 | | |
| JA2DN | | | 319 | | | YV5BTK | | | 310 | | |
| KA2KS ² | | | 359 | | | YV5AHG ^{1, 2} | 348 | | 2163 | 515 | 349 |
| KG6AAY | | 555 | 715 | 302 | | ZL2AWJ ² | | 481 | 353 | 380 | |
| KP4AXM ^{1, 2} | | | 576 | 539 | | ZP9AY | | | 456 | 426 | |
| KP4AXM ² | | | 389 | 392 | | 4U1ITU ² | | | 470 | | |
| KP4BJU | | 518 | 572 | 619 | | 4U1ITU ^{1, 2} | | | 564 | | |
| KP4BMJ ² | | 416 | 385 | | | 5H3JR ¹ | | | 433 | | |
| KP4CC | 302 | | 546 | 630 | | 6O6BW ¹ | | | 910 | | |
| KX6AJ | | 458 | 323 | | | 9A1AJ ^{1, 2} | | | 633 | 398 | |
| KZ5FC ² | | | 459 | 482 | | 9L1HX ¹ | | | 390 | | |
| L1IH | | | 747 | | | 9L1TL | | | 372 | | |
| LU6PK | | | | 436 | | 9Q5AB | | | 688 | | |

¹ Phone ² Multioperator Station

WA2IZS...12,390-59-70- C-
 K2BG...7410-38-65- B-18
 W2QKJ...6804-36-63- B-20
 K2LEO...2592-24-36- C-8
 W2FYS/2...2310-22-35- A-9
 WB2BGM...2016-24-28- C-20
 WA2UOF³...1836-18-34- A-12
 WA2WKB...624-13-16- A-5
 WA2TTA...420-10-14- A-7
 WA2MES...60-4-5- A-1
 WB2APG (WB2APG, W3DQG)
 504,375-269-625-A-C-90
 WA2KWS (WA2s KWS OAA)
 2583-21-41- A-18

Western New York

K2LAF...209,684-178-398- C-76
 W2FYI...168,667-151-373- B-72
 W2BJH...75,376-112-225- C-50
 K2ZRO...67,900-100-226- C-45
 WB2MFX...47,808-83-192- B-55
 WA2WGI...37,154-76-163- B-6
 WB2DGV...13,392-48-93- A-73
 WA2NFI...4710-30-53- A-30
 WA2KIZ...3864-28-46- A-15
 W2DGV...966-14-23- B-4
 WB2CON...216-8-9- A-3
 WA2SXE (WA2s SXE YFS)
 25,650-90-95- C- -

Western Pennsylvania

W3LIV...32,232-68-158- C- -
 K3ZMH...14,400-50-96- A-24
 W3KQD...6510-31-70- A-4
 K3ELL...3174-23-46- B-16
 K3VCH...570-10-19- B-4
 W3VKD (6 oprs.)
 633,360-280-756- C-80

CENTRAL DIVISION

Illinois

W9ERU...406,368-249-558- C-80
 W9BUD...94,250-125-252- C-63
 W9WFS...78,603-133-197- C-25
 W9IRH...50,490-85-198- C- -
 W9WIO...49,662-93-178- C-22
 W9YYG...49,632-94-176- C-23
 K9MHW...26,973-81-111- B-27
 W9QM...18,480-56-110- C-32
 W9CLH...11,664-48-81- A- -
 W9QON...11,520-48-80- C-28
 W9CYI...10,440-45-79- A-44
 WA9ZD...9102-41-74-AB- -
 K9DWG...2706-22-41- B-12
 WA9EUC...1173-17-23- B-16
 W9TCU...1596-19-28- A-14
 WA9ICQ...1560-20-26- A-4
 WA9CFI...1071-17-21- A-16

K9LWS...450-10-15- B-7
 W9BZW...126-6-7- B- -
 WA9EKJ...48-4-4- A-1
 K9YRA...27-3-3- A-10

K9CSW (K9s CSW YOE,
 W9MQZ)
 113,742-142-267- C-38
Indiana
 W9IOP...415,044-244-567- C- -
 W9YB...39,216-76-172- B-69
 K9LVK...29,417-59-121-
 ABC-34
 W9LKI...18,126-57-106- B-16
 K9QAN...5022-27-62- C-7
 WA9BWy...27-3-3- A-1

DAKOTA DIVISION

South Dakota

W0BLZ...43,065-87-165- - -
 W0CUC...32,058-78-137-BC-33
Minnesota
 W0AIH...63,648-102-208- C-18
 WA0BWM...10,800-40-90- A-18
 W0KUI...297-9-11- B-8
 WA0EPG...4-1-2- A-6

GREAT LAKES DIVISION

Kentucky

W4BCV...369,072-233-528- C-72
 K4GSU...27,900-65-140- C-18
 W4JBQ...24,321-67-121- C-26
 WA4HNC/4 (K4ZRA, WA4HNC)
 12-2-2- A-3

Michigan

W8VSK...541,766-269-672- C-76
 W8SCU...65,190-106-205- C-29
 W8VPC...61,020-90-226- C- -
 W8WE...49,215-85-193-AC-29
 W8NGO...44,634-86-173- B-30
 W8DGP...34,602-79-146- A-35
 W8CZH...31,464-76-138- A-40
 K8GREY...26,568-72-123- C-33
 W8MCC...8487-41-69- C-20
 W8TRN...1455-33-45- B-15
 W8GSP...2304-24-32- B-14
 W8TJQ...2040-20-34- A-18
 W8HGR...1782-18-33- A-9
 W8MSK...960-16-21- A-5
 W8DM...462-11-14- C-2
 W8ECH...27-3-3- A-4
 W8SH (6 oprs.)
 300,675-211-475- C-87

W8DUS (4 oprs.)
 122,640-146-280- C-35
 W8CQN/8 (W8CQN, WA8HBS)
 71,604-108-221- B-43
 W8QFM (W8QFM, WA8CZH)
 21,771-59-123- C-40
 WA8HDM (WA8s HDM HGR)
 2825-25-39- A-31

Ohio

W8FGX...655,632-314-696- C-85
 K8LEE...376,704-216-582- C-78
 W8ZJM...293,700-220-445- C-57
 W8ZCQ...125,280-145-288- C-58
 W8CJN...97,152-128-283-AC- -
 W8GQU...87,560-110-266- C-76
 W8JSU...73,140-108-230- C-31
 W8YPT...65,448-108-202- B-26
 K8NMG...51,660-108-164-AB-45
 W8OKB...47,142-97-162- C- -
 W8KMD...34,632-78-148- C-35
 K8ANA...34,230-70-163- A-30
 WA8EWT...33,654-71-158- A-46
 W8IBX...32,980-85-131- B-17
 K8WVF...31,236-78-139- C-36
 W8GMK...25,830-70-124- B-18
 W8YGR...20,907-69-101- A-16
 W8NPF...13,818-49-94- B-31
 K8MTI...8640-48-60- B-8
 W8AJW...6195-35-59- A- -
 W8CLD...2325-25-31- A-8
 WA8ETL...1173-17-23- A- -
 WA8LXI...1008-14-24- A-15
 WA8GYX...420-10-14- A-3
 K8DWX...384-8-16- C- -
 WA8HVR...150-5-10- A-10
 WA8ETW...75-5-5- A- -



W3PZW scored the mostest on c.w. on 20 amongs the single-operator group, 133 different countries on that band alone.

Wisconsin

W9GIL...166,080-160-346- C- -
 W9QYW...160,212-158-338- B-47
 W9KXK...123,624-136-303- C-59
 W9RH...46,725-89-175- C-49
 W9WJH...32,400-75-144- A-19
 W9VZP...31,440-80-131- C-15
 W9SCZ...27,930-70-133- A-36
 K9KKU...4410-30-49- C-20
 W9GMM...4200-28-50- B-26
 K9OPF...3456-24-48- A-10
 W9HHX⁶...3302-26-43- C-10
 W9HMU...408-8-17- A-5
 W9YT (K9s ELT OPF)
 42,960-80-179- C-26

DELTA DIVISION

Arkansas

WA5CBL...152,145-161-315- C-52
 W5GFT...2520-24-35- B-12

Louisiana

W5KC...139,992-152-307- C-55
 W5BUK...79,692-116-229- C-70
 K5DGL...11,952-48-83- C-15

Mississippi

W5CKY...201,852-189-356- -47

Tennessee

WA4CGA...56,472-104-182- B-61

CLUB SCORES

| | Aggregate | Entries | C. W. Winner | Phone Winner |
|--|-----------|---------|----------------------|--------------|
| Frankford Radio Club | 9,352,354 | 74 | W3BES | W3BES |
| Potomac Valley Radio Club | 8,244,726 | 29 | W3GRF | W4BVV |
| Northern California DX Club | 3,007,703 | 51 | W6KC | K6GHI |
| Virginia Century Club | 2,351,848 | 15 | W4DHW/4 | W4KWY |
| Southern California DX Club | 1,571,817 | 17 | W6IBD | W6RW1 |
| Order of Boiled Owls of New York | 1,465,962 | 9 | W2AYJ | |
| Ohio Valley Amateur Radio Assn. | 1,035,975 | 5 | W8FGX | |
| Connecticut Wireless Assn. | 644,004 | 2 | W1BTH | |
| South Jersey Radio Assn. | 671,953 | 22 | W2EJ | W2DAJ |
| Milwaukee Radio Amateurs' Club | 425,145 | 4 | W9GIL | |
| San Diego DX Club | 388,285 | 4 | W6EPZ | |
| Germantown Radio Club (Pa.) | 310,459 | 4 | K3KPV/3 ² | |
| Order of Boiled Owls of Ohio | 274,672 | 6 | W8ZCQ | |
| Tri-City Amateur Radio Club (Conn.) | 222,360 | 5 | W1WHQ | |
| West Park Radios (Ohio) | 202,011 | 12 | W8YPT | W8LIZ |
| Central Michigan Amateur Radio Club | 201,027 | 7 | W8VPC | W8RXY |
| Motor City Radio Club (Mich.) | 159,991 | 5 | | W8ARH |
| Lake Success Radio Club (N. Y.) | 159,300 | 3 | | |
| Rochester DX Assn. (N. Y.) | 148,869 | 4 | | |
| Order of Boiled Owls of New Mexico | 115,743 | 3 | | |
| Suffolk County Radio Club (N. Y.) | 87,447 | 4 | W2GKZ | |
| Horseshoe Radio Club (Pa.) | 75,192 | 7 | W3LIV | W3LIV |
| North Penn Amateur Radio Club | 67,434 | 5 | K3HTZ | |
| Morris Radio Club (N. Y.) | 64,056 | 5 | K2SUX | |
| Gloucester County Amateur Radio Club (N. J.) | 54,593 | 8 | W2TLO | WA2QHQ |
| TELCO Amateur Radio Club of Manhattan | 49,825 | 5 | K2BWC | |
| Lynchburg Amateur Radio Club (Va.) | 49,062 | 3 | K4KQY | |
| Willamette Valley DX Club (Ore.) | 44,562 | 4 | | |
| Cherry Point Amateur Radio Club (N. C.) | 15,261 | 3 | | W0PFA/4 |
| Roanoke Valley Amateur Radio Club | 13,110 | 3 | WA4SHD | |
| Bronx High School of Science Radio Club | 3246 | 3 | WA2UXZ | |
| New York Radio Club | 2256 | 3 | | |

¹ W9WNV, opr. ² K3MNJ, opr.

HUDSON DIVISION

Eastern New York

WA2OJD. 357,060-220-541- C-74
 W2HO. 230,724-174-442- C-59
 K2GDP. 144,207-147-327- C-
 WB2FMK. 65,835-95-231- B-57
 W2AWF. 46,116-84-183- C-22
 K2IBW. 37,240-70-179- C-46
 WA2ZBS. 34,881-77-151- B-40
 W2VIR. 11,520-40-96- C-12
 WB2BAL. 7380-41-60- C-17
 WB2HBI. 3174-23-46- A-17
 W2JMZ. 1305-15-29- A-3
 K2DEM. 1188-18-22- C-5
 W2IP. 756-14-18- B-
 K2UTV. 3-1-1- A-1

N. Y. C.-L. I.

W2AYJ. 400,158-259-517- C-68
 W2WZ. 395,226,234,563- C-56
 K2HWL. 179,046-147-406- C-
 W2YCW. 168,931-169-333- C-60
 WB2CKS. 160,273-168-320- C-56
 W2IRV. 125,631-141-297- B-42
 W2PCJ. 117,561-149-263- C-38
 K2CHQ. 111,633-127-293- C-60
 WA2QMC. 105,000-125-280- B-44
 WA2KSD. 71,910-102-235- B-30
 W2GKZ. 60,390-110-183- C-22
 W2AZS. 54,990-94-195- C-31
 W2CWD. 45,966-94-163- C-17
 W2ZWW. 41,852-92-152- C-
 WA2TKL. 34,188-74-154- ABC-19

W2ZKQ. 34,170-85-134- C-8
 K2KD. 18,144-54-112- A-32
 W2BQJ. 14,994-49-102- C-24
 WB2JUC. 14,382-51-95- A-44
 W2GKX. 13,992-53-88- B-18
 WB2HQT. 12,540-44-95- A-15
 K2ZYR. 2772-22-42- A-
 W2BQG. 2280-20-38- B-
 WA2UXZ. 1860-20-31- A-3
 WB2EJB. 1311-19-23- A-6
 W2DTL. 1276-17-25- A-15
 W2JB. 828-12-23- A-12
 WA2VLK. 684-12-19- C-5
 W2BOT. 627-11-19- A-3
 WA2YJN. 624-13-16- B-
 W2NCG. 360-8-15- A-6
 W2BAW. 198-6-11- B-3
 WA2WJ. 75-5-5- A-
 WB2PPP. 72-4-6- A-2
 W2CKR. 48-4-4- A-2
 WA2RJZ (WA2RJZ, WB2BJG)
 24,888-61-136-AB-50
 WA2ZXL (WA2ZXL, WB2AZX)
 17,484-47-124- B-48

Northern New Jersey

W2GGE. 380,700-225-566- C-54
 W2VJN. 283,404-226-418- C-51
 K2KFP. 122,553-153-267- C-24
 W2HUG. 76,398-107-238- A-42
 WA2GLX. 36,735-79-155- C-25

W2EHN. 31,500-70-150- B-28
 WB2CRP. 30,843-69-149- B-39
 WA2PWL. 30,015-69-145- A-33
 WB2DEP. 18,096-52-116- A-30
 WA2VSO. 16,950-50-113- A-47
 WA2HNL. 14,355-55-87- A-19
 WB2CZZ. 11,139-47-79- B-
 WA2MTI. 11,088-42-88- A-12
 K2SUX. 10,578-41-86- C-20
 W2NEP. 6480-40-54- A-20
 W2HL. 3612-28-43- C-8
 K2AX. 3480-29-40- C-6
 W2ZKE. 2250-25-30- A-16
 W2FQS. 2088-24-29-AC-
 W2LQP. 1777-17-27- A-3
 WB2GFY. 765-15-17- A-5
 WB2GFQ. 756-12-21- A-10

MIDWEST DIVISION

Iowa

W0FDL. 76,230-121-210- C-33
 W0HNA. 68,400-108-210- C-49
 W0LBS. 27,948-68-137- C-40
 W0BSY. 3510-30-39- A-15
 W0YTQ (W0s PKH YTQ)
 237,690-190-417- C-68

Kansas

W0DAE. 35,076-79-148- C-20
 K6SXX/β. 1680-20-28- A-6

Missouri

W0LBB. 52,500-100-175- C-48
 W0GNX. 44,712-92-162- C-47
 W0GUV. 41,223-91-151- C-40
 K0JPL. 21,507-67-107- B-21
 WA6AJV. 2250-25-30- A-12
 W0NFA (4 ops.)
 368,416-23-544- C-80

Nebraska

K0MUJ. 12-2-2- A-3

NEW ENGLAND DIVISION

Connecticut

W1BIH. 441,636-247-596- C-63
 W1WHQ. 126,162-129-326- B-50
 W1TX. 109,908-129-288- ABC-44
 W1WPO*. 85,593-103-277- C-
 W1WQ. 79,968-119-224- C-37
 W1AH. 13,923-51-93-BC-40
 K1MJK. 5075-29-59-
 K1PNS. 5031-39-43-AC-20
 W1IKE*. 3648-32-38- B-10
 K1ZND. 3312-24-46- A-14
 W1ECH*. 2652-26-34- A-11
 K1DIL. 2331-21-38- C-6
 K1GZJ. 1053-13-27- C-6
 W1BDJ*. 147-7-7- B-1
 W1AW (K1EUK, K2UTV)
 3978-26-51- C-10

| Division Leaders | | |
|------------------|----------------|---------|
| Single Operator | | |
| C. W. | | Phone |
| W3GRF | Atlantic | K3BES |
| W9IOP | Central | K9PNV |
| W6AIH | Dakota | W0CUC |
| W5CKY | Delta | W5AJY |
| W8FGX | Gr. Lakes | W4BCV |
| W2AYJ | Hudson | K2HLB |
| W0FDL | Midwest | W0LBB |
| W1BII | New England | W1GKI |
| W7PQE | Northwestern | K7QWI |
| K0ERV | Pacific | K6OHJ |
| W4KFC | Roanoke | W4BVV |
| W7PGS | Rocky Mountain | W5LEF |
| W4JDR | Southeastern | W4RLS |
| W6EPZ | Southwestern | W6RW |
| W5WZQ | West Gulf | W5KTR |
| VE2NV | Canadian | VE2UX/3 |

Maine

W1BFA. 53,148-86-208-BC-46
 W1PDN. 273-7-11- B-2

Eastern Massachusetts

K1NOL. 352,944-228-516- C-50
 W1BPW. 253,305-195-433- C-70
 W1JYH. 214,525-195-365-AC-32
 W1EVT. 120,456-126-344- B-55
 W1IAS. 87,750-117-250- C-26
 W1EHT. 67,230-90-249- B-41
 W1KXP. 28,731-61-157- A-20
 W1MRQ. 20,670-53-130- C-
 W1PLJ. 17,784-52-114- B-28
 W1MO. 17,010-63-90- B-17
 W1WLZ. 16,377-53-103- C-29
 WA1ANR. 15,582-53-98- A-17
 W1KRD. 12,896-52-86- A-23
 K1ZHS. 10,320-43-80- A-15
 W1MX*. 5508-34-64- A-15
 W1NS. 4340-28-62- B-4
 K1SZN. 4154-31-45- B-30
 W0PAN/1. 4125-25-55- A-19
 W1DDO. 2184-26-28- A-8
 K1TCE. 1824-19-32- B-5
 K1RHZ. 1216-16-26- A-7
 W1RWU. 540-10-18- B-8
 W1BB. 510-10-17- A-
 W1BU (9 ops.)
 827,982-342-807-AC-90

Western Massachusetts

W1UUK. 81,252-111-244- B-44
 W1DGT. 56,580-92-205- B-30
 W1EZZ. 45,090-90-167- C-38
 K1OOV. 12,939-57-76- C-22
 K1FJS. 10,044-36-93- A-
 K1ITU. 3168-24-44- C-16

New Hampshire

W1FZ. 196,056-168-389- C-
 W1PYM. 62,478-89-234- C-41
 W1PEG. 30,600-68-154- B-53
 K1UHE. 3483-27-43- B-4
 W1SWX/1. 2673-27-33- B-5

Rhode Island

K1LPL. 110,922-133-278- A-40
 W1GOG. 65,007-93-233- B-23
 K1EWL. 44,469-81-183- B-35
 W1AWE. 26,400-55-160-
 W1RFQ. 11,730-46-85- B-10
 K1DFD. 10,647-39-91- B-44
 K1VSK. 4116-28-49- A-15

Vermont

W1SEO. 8790-30-98- A-11
 K1TTW. 1728-16-36- A-9

NORTHWESTERN DIVISION

Alaska

K17CYS. 11,490-40-99- A-31

Montana

W7EWR. 714-14-17- A-8

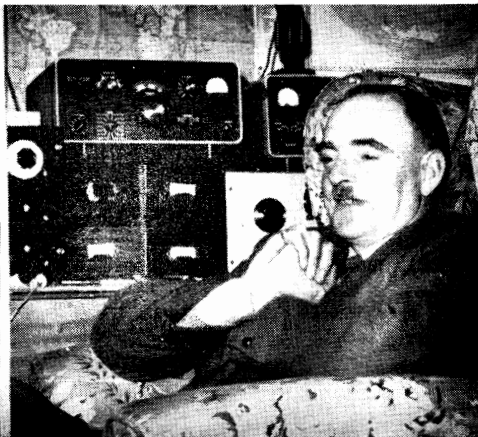
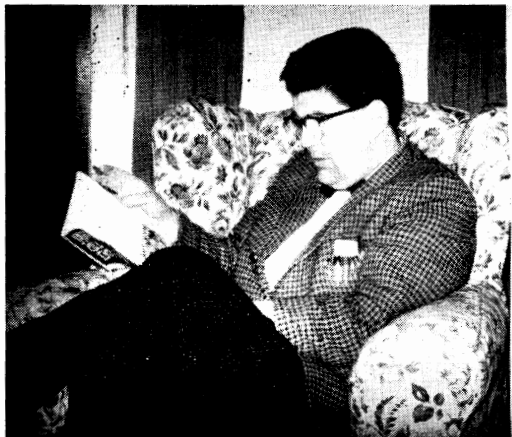
Oregon

W7BTH. 38,151-81-157- C-18
 W7BGG. 34,344-72-163- B-57
 W7DLR. 4524-29-53- C-11
 K7VYU. 3624-24-51- C-50
 K1DFQ. 561-11-17- A-10
 W7AXJ (W7s AXJ YWA)
 31,185-77-135- C1-8

Washington

W7PQE. 101,398-121-280- C-45
 W7MX. 45,120-80-188- B-55

A typical DX multiop arrangement: on the left GW3DIX aiding GW3NWW in an excellent phone performance with almost 1200 vocal exchanges. Looks like real armchair copy!



TOP TEN W/VE High Scorers
Under 150 Watts Only

| C. W. | Phone |
|-------------------|-------------------|
| K1LPL.....110,922 | WA2000.....58,236 |
| W2HUG.....76,398 | WA2GSO.....49,248 |
| K4YFQ.....75,446 | VE2ANK.....43,326 |
| W3CAA.....49,128 | WA4AWG.....41,580 |
| WA6JMJ.....47,094 | VE3PV.....40,590 |
| W3ECR.....45,936 | WA5ALB.....36,540 |
| W8DGP.....34,602 | WA2PWI.....24,186 |
| K8ANA.....34,230 | WA8CZH.....23,400 |
| WA8EWT.....33,654 | VE2AMW.....21,840 |
| WA4DUS.....32,856 | W1YQF.....21,294 |

W7MH.....16,200-50-108- B-27
K7QXL.....6510-35-62- C-35
K7FJT.....1740-20-29- B-15
W7VRO.....1260-18-28- A-3
K7QKB.....196-7-10- C-12

PACIFIC DIVISION

Hawaii
KH6FIF.....62,685-105-109-AC-36
KH6FIE.....5771-29-67- B-18
Nevada
W7VIU.....1014-13-26- B-3

Santa Clara Valley

K6ERV⁰.....278,568-212-438- C-90
W6WX.....234,000-195-400- C-60
WA6QGW.....210,684-181-388- C--
W6SC.....169,248-172-328- C-62
W6ZMW.....99,774-138-241- C-54
W6ISQ.....97,152-128-253- C-30
W6HOC.....85,806-126-227- C-30
K6HOR.....84,870-123-230-AC-46
W6KJ.....66,768-107-208- C-35
W6CBE.....48,024-92-174- C-36
W6UMI.....40,455-87-155- C-60
WA6PMK.....31,200-75-139- B--
WA6TGY.....30,876-83-124- C-12
WA6HRS.....24,480-68-120- B-16
W6MVL.....21,507-67-107- C-20
W6VVR.....21,390-62-115- C-31
W6JWD.....20,274-62-109- C-30
W6GQK.....12,792-52-82- C-19
K6TZX.....10,560-44-80- B-23
W6RFF.....7980-38-70-BC-12
W6KHS.....7749-41-63- A-10
W6CLZ.....4371-31-47- B-8
W6KEV.....630-14-15- C-3
WB6BFH.....63-3-7- A-2
W6YX (W6UQC, W7YAQ).....1248-16-26- C-4

East Bay

W6KG.....267,444-204-437- C-84
W6LDD.....185,850-175-354- C-85
K6AHV.....114,168-142-268- C-48
W6BSY.....90,174-133-226- C-50
W6PQW.....69,983-101-231- C--
W6RGO/6.....60,528-104-194- C-50
WA6UUS.....56,736-96-199- B-60
W6FLT.....12,558-48-91- C-15
WA6VAT.....10,191-43-79- A-20
W6KEK.....9417-43-73- C-10
W6EJL.....858-13-22- B-3
WB6ETY.....18-2-3- A-3

San Francisco

W6WB.....175,551-163-359- C-48
W6ERS.....97,890-130-251- C-75
W6MSM.....57,159-87-219- C-53
K6IXS.....38,304-84-152- C-57
WA6IVM.....16,000-80-107- C-35

Sacramento Valley

W6GRX.....222,300-195-380- C-72
W6BIL.....16,848-64-104- C-55
W6AF.....3354-26-43- C-26
K6DQB.....1008-14-25- A-31

DXERS' ENTHUSIASM.....



...WIBPW HIT THE KEY SO HARD AT THE OPENER HIS TABLE GAVE AWAY

San Joaquin Valley

W6BVM.....76,923-111-239- --
W6KTW.....72,105-115-209- C-50
W6WWD.....7524-38-68- B-13
W6AFP.....6831-33-69- C-32

ROANOKE DIVISION

North Carolina

W4RWL.....6680-40-57- B-31
K4MWB.....4185-31-45- A-7
W4OMW.....3198-26-41- B--
WA4FFW.....1701-21-27- A-17
WA4CJV.....630-14-15- C-4

South Carolina

WA4IKU.....31,104-81-128- B-35
K4YLL.....18,300-61-100- B--
K4MUP.....630-14-15- B-5
W4JA.....324-9-12- B-1

Virginia

W4KFC.....713,475-315-755- C-72
W4DHZ/4 628,056-286-732- C-96
W4LSG.....350,325-225-519- C-80
W4JAT.....181,770-166-365- C-50
WA4RAK.....98,490-98-335- C-62
W4OPM.....74,778-103-242- C-30
W4RVW.....47,793-89-179- C-20
K4ASU.....46,155-85-181- C-10
WA4DUS.....32,856-74-148- A-41
K4QKY.....24,381-63-129- C-31
W4ZM.....23,241-61-127- C-11
W4WBC.....29,311-67-117- C-24
W4KMS.....21,384-66-108- B-25
W4CQI.....18,720-60-104- B-15
W4DVT.....15,561-57-91- A-20
W4DLA.....9120-48-65- B-18
W4LRN.....8072-42-72- C-18
WA4SHD.....6786-39-58- B-13
W4SHJ.....5394-31-58- B-10
K4WVT.....4704-28-56- A-5
K4IKF.....1620-20-27- A--
W4KXV (6 ops.).....893,116-333-884-AC-96
K4LIQ (K4s LIQ SXT).....711,136-313-758-AC-90
W4BVV (K4VWH, W4BVV, WA4IVL).....497,154-266-625-AC-96

SOUTHEASTERN DIVISION

Alabama
W4PRP.....95,160-130-244- C-24
W4DS.....1575-21-25- --

Eastern Florida
W4JDR.....381,018-251-506- C-86
K4RQE.....85,888-128-227- B-39
K4YFQ.....75,446-119-212- A-61
W8CHZ/4.....57,300-100-191- C-40
W4HKJ.....42,952-91-158- C-22
W4NTE.....19,656-56-117- A-96
W4WYJ.....15,066-54-93- A-17
K4EJ.....5580-37-50- B-25
W8ZL/4.....5040-30-56- B-22
WA4IJM.....4200-28-50- A--
WA4QPV.....3255-31-35- A-8
W4EEO.....2700-30-30- C-20
W4IJE.....624-13-16- A-12

Western Florida

W4NIX.....35,040-80-146- B-60
W4SHW.....24,780-70-118- A-24
K4VFY.....20,496-61-112- A-8

Georgia

W4MCM.....341,925-235-485- C-64
W4DXI.....219,852-197-373- ABC-80
K4ADU.....61,446-98-209- B-82
K4EWW.....28,152-68-138- B-21
W4BHG.....7326-33-74- B-8
K4JSZ.....5994-37-54- A-10
W4HOS (W4s PRO HS).....37,440-78-160- B-55

SOUTHWESTERN DIVISION

Los Angeles

W6IBD.....236,874-194-407- C-74
W6LDA.....67,144-109-206- C-60
WA6AYU.....60,255-103-195- C-34
W6BUD.....59,400-80-198- C-40
W6NEX.....49,662-80-186- C-44
W6FET.....23,256-68-114- C-37
W6AKNE.....22,200-74-100- C-42
K6KIL.....20,544-64-107- A-31
W6ADP.....18,810-57-110- A-42
W6AM.....10,865-43-85- C-7
W6ZMX/6.....4464-31-48- C-18
W6BEE.....1200-16-25- C-9
WA6KHK.....1027-13-27- A-7
W6BHTC.....75-15-17- A-8
WA6ZMR.....319-11-13- A-12
WB6BFI.....162-6-9- A-8
W6RW (9 ops.).....397,404-249-532-AC-48

Arizona

W6DFY (W6DFY, WA6MUK).....221,580-180-411- C-48
W7IMA.....28,137-83-113- B--
K7TNW.....20,670-65-106- B-27
W7ENA.....6552-39-56- A-8

San Diego

W6EPZ.....301,620-220-457- C-60
W6LCX.....196,470-177-370- C-65
WA6SBO.....30,603-101-101 C-28
W6CHV.....20,280-65-104- B-27
WA6DMN.....9450-42-75- B-40
WB6CWD.....8541-39-73- C--
WA6WTD.....4320-30-48- A-36
WA6RUS.....1104-16-23- A-10
WB6GZF.....432-9-16- A-8
WA6WPG.....120-5-8- A-4
WA6DWH.....75-5-5- A-2
W6VSS (8 ops.).....1,069,281-387-921-AC--

WA6ZPI (WA6s CGP ZPI).....8424-39-72- B-96

Santa Barbara

WA6OJM.....47,094-94-167- A-55
WB6DPV.....240-8-10- A-5

Utah
W7NPU.....21,344-58-124- B-43
W7POU.....3741-29-43- A-31

New Mexico
K5STL.....72,267-109-221- B-49

Wyoming
W7PGS.....247,426-193-428- C-56

W8FGX turned in an 85-hour 160-10 meter effort to the tune of 656-K, leading his section and division on c.w. and taking the OVARA c.w. club award.



QST for

WEST GULF DIVISION

Northern Texas

WA5CBE... 93,141-131-237- B-56
WA5BFB¹²... 33,777- 81-139- C-50
W5CYE... 31,302- 74-141- C-33
K5QMC... 28,677- 79-121- C-80
WA5DFR... 3480- 29- 40- A-21

Oklahoma

K5OXC... 12,528- 48- 87- A-10
W4SKI/5... 1072- 16- 23- A-22

Southern Texas

W5WZQ... 293,436-234-418- C-57
W5BRR... 266,220-204-435- C-82
K5HRR¹³... 210,816-192-366-ABC-45
W5ZD... 173,802-166-349- C-
W5MCO... 54,945- 99-185- C-55
WA5CIY... 918- 17- 18- B- 4
WA5HEP (2 oprs.)... 882- 14- 21- B-26

CANADIAN DIVISION

Maritime

K5YAA/VOI... 161,820-145-372- C-53
VE1EK... 20,160- 56-120- A-26
VO1AW... 8178- 29- 94- A- 9
VE1AI... 4536- 27- 58- A-14
VE1YB... 3007- 31- 33- B-20

Quebec

VE2NV... 244,800-200-408- B-75
VE2WA... 126,336-128-328- C-
VE2BV... 35,088- 69-172- B-13
VE2AWR... 3036- 23- 44- B- 8

Ontario

VE3BOG... 110,370-130-283- C-50
VE3ES... 38,415- 65-187- B-31
VE3AU... 17,253- 71- 81- B-14
VE3PV... 17,004- 52-100- B-
VE3AWE... 10,458- 42- 83- B-12
VE3EBF... 1620- 18- 30- A-50
VE3BNH... 3- 1- 1- A- 6

Manitoba

VE4ZX... 10,320- 43- 80-AB-35

Saskatchewan

VE5US... 50,052- 86-194- C-37
VE5PM... 16,200- 54-100- B-
Alberta

VE6TP... 37,740- 74-170- C-21
VE6IT (4 oprs.)... 18,228- 49-124- B-40

British Columbia

VE7BHW... 126- 3- 14- A- 2
VE7VC (VE7s AHG VC) 131,238-138-317- C-80

AFRICA

Morocco

CN8FW... 246,240-48-1710- A-35
CN8GC... 31,146-29- 358- A-36

Mozambique

CR7LU... 26,784-32- 279- A-22
CR7LZ... 18,538-26- 246- A-
Sudan

ST2AR... 18,984-28- 226- A-
The Gambia

ZD3A... 53,724-44- 409- A-24

Southern Rhodesia

ZE3JJ... 12,430-22- 189- A- 6

South Africa

ZS6FN... 38,958-43- 302- A- 9
ZS2RM... 14,790-29- 170- A-16
ZS10... 2567-17- 52- A-
Southwest Africa

ZS3EW... 28,512-32- 299- A-12

Swaziland

ZS7M... 2730-14- 66- A- 3

Libya

5A3TX... 54,670-35- 525- A-
Malagasy Republic

5R8AI... 2400-10- 80- A-
5R8AM... 1494- 9- 56- A-
Somali Republic

606BW... 46,944-32- 489- C-12

Sierra Leone

9L1TL... 85,950-45- 661- A-42

Republic of the Congo

9Q5AB... 224,046-54-1383- A-
ASIA

Iran

G2RO/EP... 54- 3- 6- A- 5

Korea

HL9KA... 2478-14- 59- A- 7

Japan

JA1BRK... 237,384-56-1413- B-70
JA1VX... 227,985-54-1410- C-50
JA1CG... 67,960-45- 504- A-51
JA2DN... 64,460-44- 489- B-44
JA7AD... 18,564-28- 221- A-21
JA7JI... 12,960-18- 240- A-
KA2LD... 10,332-18- 211-BC-10
JA6AKW... 8890-14- 217- A-
JA2WB... 6858-18- 129- A-41
JA8GR... 3982-11- 122- A-
JA7AKQ... 2814- 7- 134- A-
JA1NLX... 790- 5- 54- A- 8
JA1CJU... 576- 8- 24- A- 8
JA2TY... 360- 4- 30- A- 8
JA1ORM... 144- 4- 13- A- 4
JA1CUM... 30- 2- 5- A-
KA2KS (4 oprs.)... 71,592-38- 628-AC-30

Mongolia

JT1CA... 2650-10- 89- B-
Ryukyus

KR6BQ... 44,352-33- 450- A-37

Lebanon

OD5AX... 9954-21- 158- A-
OD5LX... 1930-10- 65- A- 2

Asiatic Russian S. F. S. R.

UA9KCO... 16,320-16- 346- B-
UW0IP... 8755-17- 172- A-
UA9KQA... 4050-15- 90- B-
UW9OU... 3735-15- 83- A-
UW0IX... 3420-12- 95- A-
UA9KSB... 2940-12- 83- B-
UA9GM... 1908-12- 53- A-
UA9WR... 1512-12- 42- A-
UW9CD... 936-12- 27- A-
UA9KZD... 764- 4- 64- B-
UA9KHA... 385- 7- 20- B-
UA9KSC... 60- 4- 5- B-
UA9CC... 48- 4- 4- B-
UA9KHA... 3- 1- 1- B-
UA9KFG, (UA9EH, UW9s
FK FM) 126,762-37-1142- B-96
UA9KDA (3 oprs.)... 5415-15- 121- B-
UA9KYA (3 oprs.)... 3399-11- 103- A-
UA9WS (2 oprs.)... 3168-16- 66- A-
UA9MR (UA9s MO MR) 1482-13- 38- A-
Turkoman

UH8DA... 1914-11- 58- B-
UH8KAA... 462- 7- 22- B-
UH8BO... 66- 2- 12- B-
UH8DE... 18- 2- 3- A-
U bek

UI8CT... 216- 3- 24- A-
Tadzhik

UJ8AH... 2190-10- 73- A-
Kirghiz

UM8KAA... 2028-13- 52- B-
Western Malaysia

VS1LP... 74,433-43- 580- A-40
VSLJW... 2930-10- 98- A-
Hong Kong

VS6FF... 4488-12- 127- A- 9

Multipoperator Scores

Top Ten

C. W.

W3MSK KZ5FC
W6VSS DJ5BV
W4KXV ZL2AWJ
W1BU HA5KBB
K4LIQ SM6CKV
W3WJD KP4AXM
W3VKD OH2QV
W3TMZ KP4BMJ
W3GHM GW3ITZ
WB2APG KA2KS

Phone

W3MSK YV5AHG
W8NWO KP4AXM
W3WJD DL4OV
W8NGO GW3NWW
W3GHM G3KFX
K0BJK 9A1AIJ
W3GRS I1BAF
W3MWC 4U1ITU
W3KFG SM6BJI
W9QUU G3LDI

India

VU2AJ... 4998-14- 124- A-
Kuwait

9K2AN... 1512- 8- 64- A- 7

EUROPE

Germany

DL7AA... 273,978-62-1473-AB-70
DL1KB... 244,122-61-1334- B-44
DL9PU... 76,770-45- 571- B-40
DL1JW... 48,396-37- 439- B-24
DM4YPL... 41,805-45- 315- A-
DJ2SR... 35,454-38- 311- A-28
DL4IM... 33,228-39- 292- A-15
DM4WPL... 20,944-28- 251- A-
DM2AUO... 17,395-35- 168- B-
DJ6WD... 14,868-28- 177- A-24
DJ3XK... 14,352-28- 173- A-
DJ5GG... 14,500-25- 194- B-
DL8CM... 12,120-20- 203- A-
DM3ZYH... 4858-14- 118- A-
DL1XA... 4848-24- 68- A-12
DJ6LN... 4494-14- 107- A-16
DM3SBM... 4347-23- 65- B-
DJ1RZ... 3942-18- 73- B- 6
DL8AJ... 2788-17- 55- B-
DJ1VL... 2640-18- 49- A-21
DL6VP... 2280-12- 66- A-16
DL1JG... 2208-16- 60- A-
DJ0GS... 1834-14- 44- B-
DM3DG... 1771-11- 55- A-
DM3ZCG... 1107- 9- 41- A-
DM2ATL... 720- 8- 30- A-
DM3WML... 513- 9- 19- B-
DM3ZBM... 352- 8- 15- B-
DJ5FD... 18- 2- 3- A-
Republic of Ireland

DJ5BV (DJ5s BV EO) 250,632-59-1416- B-69
DM3EN (5 oprs.) 1014-13- 26- B-
Spain

EA3KT... 29,667-31- 319- A-48

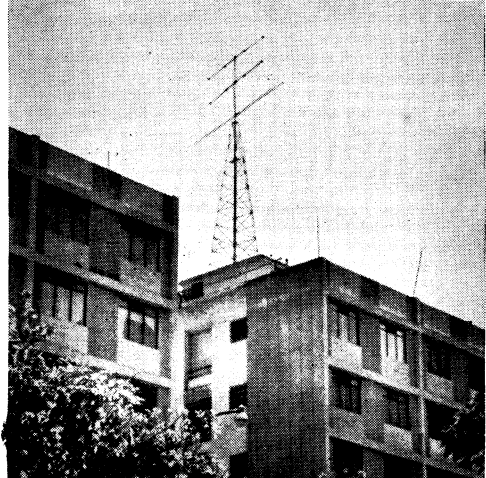
Republic of Ireland

EI9J... 32,708-37- 298- A-11
EI9F... 2241- 9- 83- A-
France

F8IH... 327,840-60-1366- A-
F8VJ... 163,540-52-1052- A-46
F8ZF... 25,172-31- 279- A-32
F8TM... 10,250-30- 125- A-
F2PO... 9366-21- 151- A-9
F2GO... 3685-11- 113- A-7
F3PK... 2664-12- 74- A-
F3BJ... 1512- 8- 63- A-
F8VO... 999- 9- 37- A-
F3II... 567- 9- 21- A-
England

G4CP... 322,494-59-1822- A-62
G2QT... 176,400-60- 980- A-
G2DC... 136,584-56- 813- A-
G3EYN... 87,079-53- 548- A-
G2RO... 73,632-48- 516- A-31
G3APN... 56,286-59- 318- A-
G8BM... 19,620-30- 223- A-24
G3KSH... 2142-17- 43- A- 5
G3JFY... 1848-14- 45- A- 8
Northern Ireland

GI3OTV... 141,245-53- 900- A-47
GI3OQR... 116,706-53- 734- A-50



YV5BIG's call is appropriate for his roof-top antenna farm. Raul topped Venezuela and S.A. on A-3 running one kw p.e.p. Antennas up there include a 3-l homebrew 20-meter beam, 4-l homebrew 15-meter array, an inverted-V rotatable dipole for 40 and dipoles on 80 and 10.

Scotland
 GM5GH.....3588-13- 92- A- 9

Wales
 GW3JI.....245,616-56-1462- A- -
 GW3ITZ (4 oprs.)
 98,000-40- 834- A-85

Hungary
 HA1KSA. 196,503-51-1307-AB-58
 HA1SD.....15,312-22- 232- A- -
 HA5DU.....1210-10- 41- A- -
 HA8KCI.....980-10- 33- A- -
 HA5KBB (7 oprs.)
 246,490-60-1372- B-90

Switzerland
 HB9JG.....234,630-55-1425- B-41
 HB9MO.....100,405-43- 778- B- -
 HB9KC.....83,520-40- 696-AB-36
 HB9DX.....22,356-27- 276- A- -
 HB9ZY.....14,490-23- 210- B- -
 HB9UD.....450-10- 15- B- 5

Italy
 I1ZIX.....156,594-49-1072- A-54
 I1GO.....83,958-42- 676- A-45
 I1SF.....12,627-23- 187- A- 5
 I1LAGA.....11,450-25- 154- A-29
 I1VAB.....5073-19- 89- A-24
 I1ER.....4990-20- 83- A-43

Norway
 LA1H14.....79,101-33- 800- A-60
 LA5HE.....21,252-23- 308- A- -
 LA6U.....16,956-27- 213- A- 8
 LA4KG.....14,322-22- 218- A- 20
 LA6FI.....10,727-17- 213- A- 23
 LA2Q.....7290-15- 162- A- 16
 LA3UF.....6480-16- 135- A- -
 LA7H.....3468-17- 68- A- -
 LA6CF.....378- 9- 14- A- -

Luxembourg
 LX3AX.....98,031-41- 797- A-30

Bulgaria
 LZ1KSA.....5520-16- 115- A- -
 LZ2BC.....2028-13- 53- A- -
 LZ2FN.....1890- 9- 70- A- -

Austria
 OF5KE.....97,825-43- 764- B-55
 OE1HGW.....6720-16- 140- A-15

Finland
 OH1SH.....115,920-46- 842- B- -
 OH2FS.....74,250-30- 825- B-49
 OH5PT.....18,837-21- 299- A-41
 OH5UV.....10,218-26- 131- A- -



This artistic pose was struck by ZE3JJ prior to c.w. two-ways in the test.

Belgium
 ON4XG.....49,950-37- 450- A-36
 ON4GU.....18,819-17- 369- A-36

Denmark
 OZ3FL.....205,128-56-1221- A- -
 OZ1W.....123,981-51- 815- A-60
 OZ5DX.....34,675-19- 613- B- -
 OZ7G.....14,400-16- 303- A- -
 OZ4H.....12,717-27- 157- A- -
 OZ4DX.....5066-17- 100- A- -
 OZ4RT.....4800-20- 80- A- -
 OZ1HX.....4208-16- 88- A- -
 OZ7JT.....928- 8- 40- A-10
 OZ7BQ.....192- 6- 11-AB- -

Netherlands
 PA8LOU.....119,808-48- 837- A-38
 PA8VB.....39,216-43- 304- A- -
 PA8WAC.....23,400-25- 312- A-16

Sweden
 SM3TW.....72,828-42- 578- B- -
 SL5ZL15.....68,760-40- 573- B- -
 SM5OCB.....33,408-32- 353- B-16
 SM5UU.....14,688-34- 144- B-24
 SM4CMG.....13,416-26- 174- A-16
 SM7TV.....11,523-23- 167- A-14
 SM6GU.....9758-17- 196- A-18
 SM6KV.....7771-19- 137- A- -
 SM5BP.....7104-16- 148- B- -
 SM7CPY.....5213-13- 134- A- 8
 SM1CXE.....2016-14- 48- B- 7
 SM7AUO.....1500-12- 42- B- 7
 SM5BDY.....1485-15- 33- A- -
 SM3SV.....1014-13- 26- A- -
 SM8AQ.....780-13- 20- A- 5
 SM5DKH.....624- 8- 26- A- -
 SM5BLU.....540- 9- 20- A- 5
 SM5BUX.....408- 8- 17- A- -
 SM7BUE.....18- 2- 3- A- -
 SM6CKV (6 oprs.)
 235,906-58-1356- B-59

SM5BDS (SM5s BAU BDS)
 9820-20- 165- B- -

Poland
 SP6AAT.....94,464-41- 786- B-43
 SP6FZ.....88,434-51- 579-BC-50
 SP1HU.....45,045-33- 467- B- -
 SP6ALL.....18,879-29- 218- A-35
 SP6AKK.....14,675-25- 200- A-30
 SP5AHL.....14,508-26- 186- A-19
 SP5AHW.....11,580-20- 193- A-21
 SP5AFL.....7684-17- 151- B-17
 SP8MJ.....7240-20- 121- A-33
 SP5ADZ.....4158-18- 80- A- 4
 SP6SO.....3096-12- 86- A- 4
 SP9ADU.....2754-18- 52- A- 4
 SP8ABQ.....2028-13- 52- A- 4
 SP2IU.....1548-12- 41- B- -
 SP9AGS.....810-10- 27- A- -
 SP6ALD.....680- 8- 29- A- -
 SP8ARY.....435- 5- 29- A- -
 SP9AMA.....162- 6- 9- A- -

Greece
 SV0WAA.....11,242-22- 171- A-25

Iceland
 TF3AB.....18,252-26- 234- A- -
 TF3KB.....9072-24- 128- A- -
 TF2WIL.....5460-14- 131- A- 6
 TF3DX.....627-11- 20- A- 2

European Russian S. F. S. R.
 UA1KBB.....21,060-26- 270- B- -
 UA3UJ.....14,007-23- 208- A- -
 UA6FD.....3731-13- 97- B- -
 UA3BK.....3024-14- 72- A- -
 UA3DR.....2637- 9- 98- B- -
 UA4IB.....2478-14- 59- B- -
 UA1FJ.....972- 9- 36- A- -
 UA3TA.....756-12- 21- A- 4
 UA3KWB.....729- 9- 27- B- -
 UA1IN.....540-10- 18- A- -
 UV3TC.....515- 7- 25- A- -
 UW4HW.....108- 6- 6- A- -
 UA1DI.....90- 5- 6- B- -
 UA3KQB (3 oprs.)
 68,479-26- 745- B- -
 UA1KGC (2 oprs.)
 15,210-26- 195- B-24
 UA1KBW (3 oprs.)
 6240-13- 160- B- -
 UA6KAF (2 oprs.)
 5715-15- 127- A- -
 UA3KTU (3 oprs.)
 1260-12- 35- A- -

Ukraine
 UB5ZV.....29,727-27- 370- B- -
 UB5OD.....9044-19- 160- A- -
 UB5ZL.....2835-15- 63- A- -
 UB5KAI.....2088-12- 58- B- -
 UB5TQ.....1872- 8- 78- A- -
 UB5FG.....684- 6- 38- A- -
 UB5KUJ.....180- 4- 15- A- -
 UB5KED (2 oprs.)
 29,187-27- 374- B- -

White Russian S. F. S. R.
 UC2AW.....14,868-21- 236- A- -
 UC2KSA (3 oprs.)
 9450-18- 105- B- -

Azerbaijan
 UD6BZ.....891-11- 27- A- -
 UD6BD.....315- 7- 15- A- -
 UD6AX.....120- 5- 8- B- -
 UD6FA.....30- 2- 5- A- -

Georgia
 UF6DD.....1320-10- 46- A- 8

Armenia
 UG6KAA (3 oprs.)
 1440-10- 48- A- -

Moldavia
 UO5BM.....41,148-27- 508- A-20

Lithuania
 UP2KBC16.....35,757-29- 411- B- -
 UP2OO.....27,300-25- 384- A- -
 UP2NR.....957- 11- 29- A- -
 UP2AW.....270- 6- 15- A- -

Latvia
 UQ2KAE (2 oprs.)
 4248-12- 118- A- -

Estonia
 UR2DZ.....2120-10- 72- A- -
 UR2KAN (3 oprs.)
 13,875-25- 187- B-22

Rumania
 YO7DO.....48,840-37- 450- A- -
 YO7CF.....17,241-21- 274- B- -
 YO2BU.....13,750-22- 210- B- -
 YO7DL.....8100-15- 180- A- -
 YO3FF.....5712-17- 113- B- -
 YO3CR.....3690-15- 82- A- -
 YO6SD.....3096- 8- 129- A- -
 YO4KAK.....777- 7- 37- A- -
 YO8OU.....736- 8- 31- A- -
 YO5MU.....432- 6- 24- A- -
 YO9HP.....288- 6- 16- A- -
 YO4YR.....180- 4- 15- A- -
 YO3RF.....156- 4- 13- B- -
 YO7VS.....99- 3- 11- A- -
 YO5KAN17.....90- 5- 6- A- -
 YO4WU.....64- 4- 6- A- -
 YO6KAF (YO6s EH UX)
 3420-12- 95- A- -

Yugoslavia
 YU4JOP.....13,248-18- 248- A-66
 YU1AFG.....12,159-21- 193- A-60
 YU1EXY.....6579-17- 134- A- -
 YU1BCD (4 oprs.)
 36,828-33- 383- B-80
 YU1JRS (5 oprs.)
 28,470-26- 365- A- -
 YU2AKL (3 oprs.)
 13,948-22- 215- A-80
 YU2IHI (3 oprs.)
 10,280-20- 172- A-16

Malta
 ZB1BX.....59,805-45- 443- A-79

I. T. U., Geneva
 4U1ITU (7 oprs.)
 91,440-40- 779-BC-35

NORTH AMERICA

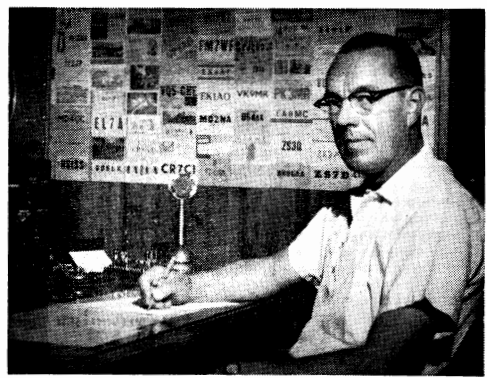
Panama
 HP1IE.....547,008-74-2589- A-72

Puerto Rico
 KP4AOO.....509,976-72-2361- A-68
 KP4BJU.....437,400-72-2025- B-50

| | | | | | |
|-----------------------------|-----------------------|------|--------|----------------|------|
| KP4CC | 362,871-69-1753- | B-62 | VK2ADE | 9918-19-174- | A-- |
| KP4RK | 20,340-30-226- | A-7 | VK2QL | 8300-25-112- | A-- |
| KP4BAE | 1128-8-47- | B-2 | VK3RJ | 1683-17-33- | A-6 |
| KP4AXM | (5 oprs.) | | VK3KS | 1122-11-34- | A-- |
| | 211,410-58-1236-AB-88 | | VK3QV | 781-11-24- | A-4 |
| KP4BMJ | (KP4s BMJ BFG, | | VK4KX | 27-3-3- | A-- |
| WP4BNN) | | | VK5KO | 12-2-2- | A-1 |
| | 146,452-47-1044- | A-71 | | | |
| <i>Canal Zone</i> | | | | | |
| KZ5FC | (5 oprs.) | | VR1B | 35,373-39-303- | A-21 |
| | 280,704-68-1376- | C-32 | | | |
| <i>Greenland</i> | | | | | |
| OX3LLD | 40,560-30-451- | A-- | VR2DK | 40,716-39-350- | A-23 |
| <i>Netherlands Antilles</i> | | | | | |
| PJ2AE | 200,256-64-1043-AC-35 | | | | |
| <i>Guatemala</i> | | | | | |
| TG9AD | 75,284-44-571- | C-17 | | | |
| TG9SC | 49,896-42-400- | B-19 | | | |
| <i>St. Kitts, Nevis</i> | | | | | |
| VP2KR | 51,408-42-408- | A-20 | | | |
| <i>Barbados</i> | | | | | |
| VP6AF | 89,088-58-532- | A-30 | | | |
| VP6AT | 18,304-22-284- | A-- | | | |
| <i>Bahamas</i> | | | | | |
| VP7BG | 29,016-31-312- | A-8 | | | |
| <i>Bermudas</i> | | | | | |
| VP9L ¹⁸ | 327,540-53-2060- | A-58 | | | |
| <i>Mexico</i> | | | | | |
| XE2AAG | 53,000-40-448- | A-38 | | | |
| XE1NL | 42,914-43-337- | A-15 | | | |
| XE0CS | (K6s 1CQ 1CS) | | | | |
| | 2771-17-55- | A-5 | | | |
| <i>Jamaica</i> | | | | | |
| 6YAXG | 22,202-34-218- | A-7 | | | |
| 6YACZ | 1332-12-38- | A-7 | | | |

SOUTH AMERICA

| | | | | | |
|----------------------|---------------------|------|--------|---------------------|------|
| <i>Chile</i> | | | | | |
| CE1AD | 454,320-72-2104- | B-- | CE2CR | 9690-30-109- | A-10 |
| <i>Bolivia</i> | | | | | |
| CP3CN | 15,670-21-250- | A-23 | | | |
| <i>Uruguay</i> | | | | | |
| CX1OP | 21,897-27-237- | A-- | | | |
| <i>Colombia</i> | | | | | |
| HK3RQ | 357,345-67-1793- | A-43 | HK7ZT | 197,080-65-1012- | A-55 |
| HK7AHM | 81,720-36-759- | A-41 | HK4EB | 780-13-20- | B-5 |
| <i>Antarctica</i> | | | | | |
| KC4USB ²¹ | 40,350-25-538- | C-14 | | | |
| <i>Argentina</i> | | | | | |
| LU6PK | 62,970-30-700- | A-31 | | | |
| <i>Brazil</i> | | | | | |
| PY2BGL | 32,040-30-356- | A-- | PY1NEW | 30,419-19-537- | B-12 |
| PY2SO | 2964-12-83- | A-4 | PY2BZD | 1908-12-53- | A-8 |
| <i>Surinam</i> | | | | | |
| PZ1BH | 5060-23-74- | A-8 | | | |
| <i>Venezuela</i> | | | | | |
| YV1DP | 492,048-68-2412- | B-32 | YV5AGD | 465,690-86-1805-BC- | -- |
| YV5BTK | 70,524-36-659-AB-35 | | | | |
| <i>Paraguay</i> | | | | | |
| ZP9AY | 187,380-60-1041- | A-50 | | | |



Out in Wyoming W7PGS turned in the leading c.w. total from the Rocky Mountain Division, almost 250-K. Warren used 3-elements on 10, 15 and 20; 2 elements on 40 and a vertical on 80 in a fine 56-hour go.

| | | | | | |
|----------------------------|-----------------|------|--------|-------------------|------|
| <i>Western New York</i> | | | | | |
| W3NJV | 108-6-6- | A-- | W3MSK | (6 oprs.) | |
| | | | | 978,039-271-1203- | C-96 |
| <i>Delaware</i> | | | | | |
| W3IYE | 92,040-118-260- | C-50 | K3NHL | 85,680-120-238- | C-45 |
| <i>Southern New Jersey</i> | | | | | |
| W2DAJ | 96,048-116-276- | B-44 | WA2IZS | 95,940-123-260- | C-- |
| WA2IEK | 50,778-93-184- | C-29 | WA2GSO | 49,248-96-171- | A-45 |
| WA2BGM | 27,300-70-133- | C-40 | WA2BLV | 19,158-62-103- | C-20 |
| WA2DMR | 16,704-58-96- | C-26 | K2OIX | 15,900-53-100- | C-26 |
| WA2QHQ | 14,288-47-102- | A-26 | W2QDY | 11,193-41-91- | B-6 |
| K2PZF | 7722-39-66- | C-11 | WB2APG | 6660-37-60- | C-16 |
| W2QKJ | 6510-31-70- | B-40 | W2ORA | 4050-27-50- | A-8 |
| W2EIV | 1425-19-25- | A-- | W2LVW | 1296-16-27- | -- |
| W2EDH | 478-12-13- | A-- | K2OEA | 297-9-11- | A-10 |
| WA2TTA | 6-1-2- | A-1 | | | |

CENTRAL DIVISION

| | | | | | |
|-----------------|---------------------|------|-------|----------------|------|
| <i>Illinois</i> | | | | | |
| K9CSW | 50,400-100-168- | C-35 | W3LIV | 19,635-55-119- | C-33 |
| W9GAI | 26,427-69-128- | C-21 | W3ZVA | 5184-32-54- | C-24 |
| K9ZBI | 20,412-63-108- | C-23 | K3ELL | 4425-25-59- | B-16 |
| K9FXN | 17,808-56-106-AC-30 | | K3SIQ | 4032-28-48- | A-21 |
| K9VFF | 13,356-53-84- | B-- | | | |
| W9IRH | 12,054-41-98- | C-15 | | | |
| W9JWJ | 11,316-46-82- | C-50 | | | |
| WA9IJJ | 7740-43-60- | A-- | | | |
| W9QQN | 7011-41-57- | B-- | | | |
| WA9BHH | 3159-27-39- | A-16 | | | |

¹ K3MNI, opr. ² K3LWR, opr. ³ WA2MES, opr. ⁴ K6LXB, opr. ⁵ WA9AUM, opr. ⁶ WA9GZU, opr. ⁷ W8CQN, opr. ⁸ Hq. staff, not eligible for award. ⁹ K6DNH, opr. ¹⁰ W7WJB, opr. ¹¹ K6LSG, opr. ¹² K5ETA, opr. ¹³ K5ABV, opr. ¹⁴ LA90I, opr. ¹⁵ SM5WI, opr. ¹⁶ UP2OF, opr. ¹⁷ YO6TF, opr. ¹⁸ W2YTH, opr. ¹⁹ K6SDR, opr. ²⁰ WA6HRS, opr. ²¹ W1UFW, opr.

(Continued on page 164)

PHONE SCORES

ATLANTIC DIVISION

Eastern Pennsylvania

| | | | | | |
|--------|---------------------|------|-----------------------|----------------------|------|
| W3BES | 194,045-168-385- | C-65 | W3QIR | 672-14-16- | B-3 |
| W3HHK | 93,411-107-291- | C-- | K3MNT | 273-7-13- | C-5 |
| W3ALB | 69,498-117-198- | C-29 | W3WJD | (K3JJG, W3WJD) | |
| W3OCU | 61,886-97-215- | C-- | | 323,277-197-550- | C-95 |
| W3CGS | 58,140-85-228- | C-38 | W3GHM | (4 oprs.) | |
| W3KT/3 | 56,355-85-221- | C-- | | 156,156-143-364- | C-80 |
| W3EQA | 56,050-95-200- | C-50 | W3GRS | (W3GRS, K3JCT) | |
| K3BNS | 44,460-76-195- | B-35 | | 119,808-128-312- | C-42 |
| W3NM | 39,757-83-160-BC-45 | | W3MWC | (K3s JLL LJZ, W3MWC) | |
| W3HA | 28,620-53-180- | C-18 | | 103,329-129-267- | C-60 |
| W3PN | 28,140-70-134- | B-26 | W3KFP | (K3JGJ, W3KFP) | |
| K3BGX | 27,225-75-133- | B-40 | | 93,988-113-292- | C-63 |
| W3GHD | 15,408-48-107- | B-- | K3KPV/3 | (4 oprs.) | |
| W3QMZ | 15,264-53-96- | B-49 | | 30,073-61-165-AC-40 | |
| K3CNN | 15,141-49-103- | B-20 | K3WFX | (K3s VTO WFX) | |
| W3ECR | 13,596-44-103- | A-4 | | 11,808-48-82- | C-18 |
| W3ZSS | 10,881-39-93- | C-14 | <i>Maryland-D. C.</i> | | |
| K3PSV | 6802-38-60- | A-38 | W3ZVJ | 107,463-113-317- | C-53 |
| W3QLW | 3240-27-40- | A-10 | W3AD ¹ | 100,983-123-273- | C-- |
| W3CTJ | 3150-25-42- | A-5 | W3JTC | 23,142-58-133- | C-25 |
| K3GJG | 1008-16-21- | B-6 | W3AZD | 12,792-52-82- | C-16 |
| | | | W3MVB | 11,748-44-89- | C-15 |
| | | | W3MCG | 11,352-44-88- | C-14 |
| | | | K3CBW | 4410-30-49-AC-19 | |
| | | | W3DPM | 504-8-21- | C-4 |



Among the more exotic c.w. Asian prefixes was that signed by Naser, 9K2AN.

DX Competition Results

(Continued from page 33)

W9WIO....1404- 26- 18- B- 4
WA9EOS....1178- 19- 21- A-15
K9BJM.....780- 13- 20- C- 4

Indiana

K9PNV...109,242-126-289- C- -
W9WHM...33,696- 78-144- C-21
W9NKB...27,090- 86-105- -- -
W9CWO....7353- 43- 57- B-12
WA9BWY....189- 7- 9- A- 2

Wisconsin

W9GIL....52,128- 96-181- C- -
W9GMY...14,326- 58- 83- C-40
W9WJH....3627- 31- 39- A- 6
W9HHX (K9s FEW UQN,
WA9GZU).8112- 39- 70- C-25
W9YT (K9s ELT OPF)
3306- 29- 38- C- 8

DAKOTA DIVISION

North Dakota

W0HSC (K0GBA, WA0FWC)
5841- 33- 59- C- -

South Dakota

W0CUC....4050- 30- 45-BC- - W4BCV...229,671-169-453- C-74

(Continued on page 166)

Minnesota

W0KUI.....3- 1- 1- B- 2
W0QUU (W0s NGF QUU)
67,872-112-202- C-90

DELTA DIVISION

Arkansas

WA5CBL...38,340- 90-142- C-29
W5LCI....17,985- 55-109- C-16

Louisiana

W5AJY...100,188-132-253-AC-44
W5KC....32,160- 80-137- C-36

Mississippi

K5MDX...90,342-126-239-AB-29

Tennessee

WA4AWG...41,580- 90-154- A-50
WA4CGA...25,690- 70-126- B-37
W4IGW....1152- 16- 24- A-15
WA4DCP...6435- 39- 55- C- 8

GREAT LAKES DIVISION

Kentucky

W0CUC....4050- 30- 45-BC- - W4BCV...229,671-169-453- C-74

Michigan
 K8AJK... 84,735-105-269-BC-55
 W8RXY... 63,600-106-200- C-41
 W8ARH... 52,416- 91-192- C-35
 W8HUD... 37,056- 64-193- -30
 W8QFM... 30,940- 68-152- C-56
 W8EGR... 24,780- 59-140- C-25
 WA8CZH... 23,400- 65-120- A-36
 W8WT... 18,081- 49-123- C-47
 W8GG... 4140- 30- 46-AC-20
 W8EW... 1710- 19- 30- C- 6
 W8DGP... 1380- 20- 23- A- 8
 W8QQL... 243- 9- 9- B- -
 W8TJQ... 216- 8- 9- A-13
 W8NWO (4 oprs.)
 337,428-206-546- C-96
 W8NGO (4 oprs.)
 161,820-145-372- B-80

Ohio
 W8IJZ... 65,520-104-210- B-40
 W8BMX... 39,546- 78-169- B-57
 W8WUO... 28,329- 71-133- C- -
 W8WC... 27,360- 76-120- B-18
 W8JFD... 20,646- 62-111- B-14
 K8DWQ... 6549- 37- 59- C-20
 K8LNL... 5880- 35- 56- B-22
 K8WVF... 3726- 27- 46- C-19
 WA8HXR... 1404- 18- 26- A-15
 WA8EWT... 1056- 16- 22- A- 9
 W8GMK... 1035- 15- 23-BC- 4
 K8KTL... 624- 13- 16- B- 9
 K8NMG... 378- 9- 14- B- 3
 W8NPF... 363- 11- 11- C- 6
 K8ZPK... 243- 9- 9- C- 3
 WA8ETX... 27- 3- 3- A- -
 WA8ETW... 12- 2- 2- A- -
 W8AJW... 3- 1- 1- A- -
 W8LT (K8s JZZ PMW)
 36- 3- 4- C-18

HUDSON DIVISION

Eastern New York
 WA2000... 58,236- 92-211- A-65
 K2GDP... 52,065- 89-195- B- -
 K2JMY... 27,885- 55-169- C-34
 K2MPS... 8651- 41- 71- B-13
 WA2RUD... 1890- 21- 30- B- 6
 W2VIR... 660- 11- 20- C- 3

N. Y. C.-L. I.
 W2WZ... 161,046-138-389- C-45
 WB2BWV... 14,250- 50- 95- B-15
 W2GKZ... 9900- 44- 75- C- 9
 W2AYJ... 4794- 34- 47- C- 4
 WB2KFO... 3726- 27- 46- A-35
 WA2RMP... 1845- 41- 15- - -
 W2CWD... 1701- 21- 27- C- 3
 WA2TKL... 1580- 20- 27- B- 8
 W2JB... 240- 8- 10- A- 8
 W2NRI... 48- 4- 4- A- 8
 WA2YJN... 48- 4- 4- A- 2

Northern New Jersey
 K2HLB²... 423,134-216-657- C-88
 W2VJN... 61,884-108-191- C-25
 K2SUX... 46,560- 80-194- C-25
 W2JSX... 43,860- 86-177- B-40
 W2FFQ... 27,084- 61-148- B-62
 WA2PWI... 24,186- 58-139- A- -
 W2PBZ... 10,962- 42- 87- C-28
 W2YTH... 1188 18- 22- C- 4
 W2OXG... 1008- 14- 24- C- 5
 W2MNV... 208- 8- 9- A- 8

MIDWEST DIVISION

Iowa
 W0LBS... 18,180- 60-101- C-45
 W0FDL... 8658- 39- 74- C-10

Missouri
 W0LBB... 42,930- 90-158- B-46
 W0AJV... 12,201- 49- 83- A- -
 K0JPL... 8640- 40- 72- B-16
 W0UCK... 363- 11- 11- A-12
 W0GUV... 27- 3- 3- B- -
 K0BJK (K0s BJK DUB, W0NFA,
 134,274-139-322- C-34

NEW ENGLAND DIVISION

Connecticut
 W1BIH... 89,661-121-247- C-29
 W1OKG... 46,698- 86-181- C-39
 W1QV... 9600- 40- 80- C-12

W1DIT... 516- 13- 14-BC- 9

Maine

W1GKJ... 96,033-119-269- C-50
 W1BFA... 6240- 30- 70-BC-15
 K1VXK... 4620- 22- 70- A-41

Eastern Massachusetts

K1IMP... 87,672-104-282- C-32
 W1JYH... 61,110-105-194-AC-26
 W1YQF... 21,294- 42-169- A-72
 WA1ANR... 12,285- 45- 91- A-17
 W1MRQ... 9555- 35- 91- C-12
 K1KTH... 6624- 32- 69- - -
 W1PLJ... 3525- 25- 47- B-24
 W1KXP... 1575- 15- 35- A-15
 W1MO... 429- 11- 13- A-10
 K1WGM (K1s WGM ZHS)
 8505- 35- 80- B-27

Western Massachusetts

W1RF... 49,748- 67-252- C-23

New Hampshire

W1FZ... 78,336-102-256- C- -

Rhode Island

W1AWE... 5760- 32- 60- --27

NORTHWESTERN DIVISION

Oregon

W7DLR... 1275- 17- 25- C- 4
 K7VYU... 1020- 17- 20- C-48
 W7BTH... 612- 12- 17- C- -
 K7SCH... 3- 1- 1- A- 1

Washington

K7QWI... 4089- 29- 47- C-22

PACIFIC DIVISION

Hawaii

KH6FBJ... 32,589- 71-153- C-33
 KH6EPW... 22,794- 58-131- C- -

Santa Clara Valley

K6OHJ... 115,656-122-316- C-72
 K6ERV... 91,060-116-262- C-60
 WA6GFY²... 63,960-104-205- C-35
 W6WX... 59,388- 98-202- C-36
 WA6QGW... 54,978- 98-187- B-50
 W6LCF... 31,536- 72-146- B- -
 W6UMI... 25,728- 67-128- C- -
 W6JKJ... 20,544- 64-107- C-25
 K6HOR... 1326- 17- 26- C- 7
 WA6TGY... 612- 12- 17- C- 2

East Bay

K6AHV... 101,625-125-271- C-70
 W6BSY... 42,720- 89-160- C-45
 W6PQW... 10,206- 42- 81- B- -
 KL7DTB/6.10,206- 42- 81- C-20
 W6LDD... 8520- 40- 71- C-13
 W6FLT... 2898- 21- 46- C-10
 WA6UUS... 1728- 16- 36- B-18
 W6KG... 945- 15- 21- C- 4
 K6LZI... 90- 5- 6- B- 1

San Francisco

W6WB... 29,025- 75-129- C-30
 W6YEJ... 7280- 40- 62- A-31
 K6IXS... 5880- 35- 56- C-23
 WA6AUD... 2070- 23- 30- A-12
 K6NCG (W1FAI, K7MZC)
 4611- 29- 53- C- 8

Sacramento Valley

W6GRX... 53,289- 93-191- C-60
 W6GVM... 630- 10- 21-AC- -

San Joaquin Valley

WA6SBG... 72,921-109-223- B-52

ROANOKE DIVISION

North Carolina

K4QVK... 21,248- 64-114- A-25
 W0FPA/4... 11,286- 38- 99- B-33
 W5GPS/4... 3588- 26- 46- B-14
 WA4CJV... 1500- 20- 26- C- 6
 WA4FFW... 896- 14- 22- A-11
 WA4MLV... 387- 9- 14- A- 8

South Carolina

K4MUP... 360- 10- 12- B- 3

(Continued on page 168)

Virginia

W4BVV...347,454-194-597- C-85
W4KWY...240,300-178-450- C-
W4NJF...79,461-109-243- --62
K4WHD...49,608-78-212- C-34
W4OPM...36,960-80-154- C-36
W4OM...26,130-65-134- C-
W4LRN...23,622-62-127- C-
K4ASU...23,058-61-126- C-10
W4HVU...22,713-67-113- B-19
K4VWH...3741-29-43- B-20
W4WBC...396-11-12- C-3
W4ZM...108-6-6- --

West Virginia

W8UMR...1188-18-22- A-4
W8MLX...405-9-15- A-4
W8GIO (W8GIO, WA8AOW)
24,696-56-147- C-55

ROCKY MOUNTAIN DIVISION

Colorado

W0EZO...4752-36-44- B-7

Utah

W7DQM...24,156-66-122- C-40
K70XB...1305-15-29-AB-8

New Mexico

W5LEF...43,200-90-160- C-41
W5NXF...3276-28-39- B-8

SOUTHEASTERN DIVISION

Alabama

W4RLS...211,224-156-452- B-70
W4PRP...173,952-151-384- C-70
W4DS...15,840-60-88- C-

Eastern Florida

W4HKJ...71,577-99-241- C-36
W4ZYS...67,080-104-215- C-46
W5LLB/4...60,885-99-205-AC-38
K4YFQ...15,180-55-92- A-14
W4EEO...5292-42-42- C-24
W4KJL...4770-30-53- A-22
W8CHZ/4...2706-22-41- B-9
K4EJ...1539-19-27- B-11
K4RQE...1140-19-20- B-2
WA4HFB...270-9-10- B-8
WA4SMP...175-7-9- A-8

Western Florida

K4ZJF...24,660-90-158- C-62
WA4FIJ...11,760-49-80- C-19
W4SHW...648-12-18- A-5

Georgia

K4HYB (WA4s ARV GAP OPQ)
22,656-64-118- A-54

SOUTHWESTERN DIVISION

Los Angeles

W6RW4...141,705-141-335- C-38
W6LDA...49,632-88-188- C-47
W6PKK...33,480-72-155- C-43
W6YMV...27,594-73-126- C-36
WB6BBT...20,544-64-107- B-50
K6SOK...3675-25-49- C-10
W6BUD...3240-24-45- C-12
WB6BEE...1326-17-26- B-6
W6FET...966-14-23- C-10
WA6KNE...627-11-19- B-6
W6APH...264-8-11- A-5

Arizona

K7TNW...672-14-16- B-7
K7VMO...342-9-13- A-4
W7ENA...27-3-3- A-3

San Diego

W6LCX...59,655-97-205- C-65
WA6SBO...35,784-84-142- C-16
K6AVF...9900-44-75- A-43
WA6WPG...2730-26-35- A-20

Santa Barbara

K6AEZ...23,363-61-128-AB-60

WEST GULF DIVISION

Northern Texas

W5KTR...110,430-135-273- B-69

WA5ALB...36,540-87-140- A-45
W5IPH...19,089-63-101- C-30
K5QMC...13,932-54-86- C-
W5EGS...4590-34-45- B-18

Southern Texas

K5JZY...83,898-118-237-AC-73
W5EDX...972-18-18- A-
K5HRR...756-14-18-AC-3
WA5HEK (WA5s HEK HEP)
1200-16-25- A-23
WA5HEP (WA5s HEK HEP)
168-3-3- A-21

CANADIAN DIVISION

Maritime

WA4MFS/VO1
72,036-92-261-AC-64
K3ICK/VO1
13,824-48-96- C-25
VE1QV...2261-17-47- B-19

Quebec

VE2ANK...43,326-83-174- A-65
VE2WA...26,928-66-136- B-
VE2AMW...21,840-52-140- A-17
VE2BV...21,150-47-157- B-19

Ontario

VE2UX/3...113,724-117-324- C-50
VE3PV...40,590-82-165- A-
E3VES...11,776-46-85- B-16
VE3DYB...1914-22-29- A-
VE3BJZ...1254-19-22- A-3

Saskatchewan

VE5GF...2925-25-39- B-18

Alberta

VE6TP...8901-43-69- C-10
VE6AAV...7938-42-63- C-33

British Columbia

VE7BHW...75-5-5- A-2

AFRICA

Morocco

CN8AW...6996-11-212- A-28

Angola

CR6DU...270-6-15- A-

Northern Rhodesia

VQ2WR...17,072-22-265- A-13

Tanganyika

5H3JR...50,934-26-655- A-23

Uganda

5X5JG...3516-12-98- A-5

Somali Republic

606BW...92,394-29-1062- C-26
601WF...7920-10-264- C-

Sierra Leone

9L1HX...33,615-27-415- A-

Republic of the Congo

9Q5AB...33,120-30-368- A-

ASIA

Formosa

BV1USG...666-6-37- A-10

Japan

JA1BRK...26,535-29-305- B-9
JA1CG...15,713-19-277- A-26
JA6NP...9090-15-202- A-22
JA1BUI...42-2-7- A-
JA1WA...6-1-2- A-

Korea

HL9TD...5632-11-171- A-18

Lebanon

OD5AX...12,393-17-243- A-

Asiatic Russian S.F.S.R.

UA0EH...5390-14-129- B-

Hong Kong

VS6FF...3-1-1- A-3

(Continued on page 170)

| | |
|-------------------------------------|--------------------------------|
| <i>Israel</i> | <i>Ukraine</i> |
| 4X4HW.....1211- 7- 59- B- - | UB5FG.....936- 8- 39- A- - |
| EUROPE | <i>Rumania</i> |
| <i>Portugal</i> | YO4WU.....378- 6- 21- A- - |
| CT1KH.....165- 5- 11- A- 2 | <i>Malta</i> |
| <i>Germany</i> | ZB1BX.....336- 7- 16- A- 9 |
| DL1KB...140,940-45-1044- B-35 | <i>I.T.U., Geneva</i> |
| DJ6QT....45,372-38- 398- A- - | 4U1ITU (5 oprs.) |
| DL4EA....39,432-31- 424- B- - | 49,946-26- 645-BC-31 |
| DL5AO....26,163-19- 459- B-14 | <i>San Marino</i> |
| DJ2OV....18,480-20- 309- B-20 | 9A1AIJ (1ls AIJ LCK ZsQ) |
| DL4RT....9888-16- 206- B-24 | 118,674-38-1041- A-53 |
| DL7AD....5130-18- 95- B- 9 | NORTH AMERICA |
| DL3ME....600-10- 20- B- - | <i>Cuba</i> |
| DJ5HN....288- 6- 16- A- - | CO8RA...36,851-43- 288- A-30 |
| DL7DE....240- 4- 20- B- - | <i>Dominican Republic</i> |
| DL4OV (DI4s DT NM XR) | HI8XRM...9292-23- 135- A- 9 |
| 265,318-53-1819- B-66 | <i>Panama</i> |
| <i>Spain</i> | HP1JC.....3591-19- 63-AB- 9 |
| EA4GZ.....55,440-20- 924- A- - | <i>Puerto Rico</i> |
| <i>France</i> | KP4AOO...343,557-59-1941- A-59 |
| F7GL.....14,256-12- 396- A-12 | KP4AXM (6 oprs.) |
| F3EG.....8594-12- 239- B- - | 297,131-61-1637- B-96 |
| F3II.....7695-45- 57- A- - | <i>Canal Zone</i> |
| F8WE.....300- 4- 25- A- - | KZ5DG...92,304-48- 644-AC-25 |
| <i>England</i> | KZ5FC (5 oprs.) |
| G3CAZ.....6669-19- 117- A-17 | 18,620-35- 178-AC-11 |
| G3KFX (G3s JOC KFX) | <i>Guatemala</i> |
| 136,920-40-1143- B-43 | TG9SC...304,854-62-1639- C-30 |
| G3LDI (G3s IOR LDI MPN) | <i>Costa Rica</i> |
| 22,960-28- 274- A- - | TI2EW...209,040-65-1080- B-30 |
| <i>Northern Ireland</i> | TI2JR.....168- 4- 14- A- 3 |
| GI4RY.....462- 7- 22- B- - | <i>Bahamas</i> |
| <i>Wales</i> | VP7CC...253,332-62-1362- A-48 |
| GW3NWV (GW3s DIX NWV) | VP7BG.....2505-15- 56- A- 1 |
| 181,917-51-1189-AB-79 | <i>Bermudas</i> |
| <i>Switzerland</i> | VP9BY...35,719-23- 518- A- - |
| HB9ZY...28,905-47- 205- B- - | <i>Mexico</i> |
| HB9MO...26,865-27- 333- B- - | XE1FFU...16,725-25- 223- A-12 |
| HB9UD.....135- 5- 9- B- 3 | XE0CS (K6s 1CS JJC) |
| <i>Italy</i> | 14,586-34- 143- B-15 |
| I1RB.....67,858-37- 612- A-36 | <i>Nicaragua</i> |
| I1CWN...47,400-20- 793- A-32 | YN1LH...33,600-28- 400- C-10 |
| I1TBU...15,876-14- 378- A- - | <i>Jamaica</i> |
| I1LCF.....6060-20- 101- A- - | 6YAAH.....6370-13- 164- A-17 |
| I1BBZ.....4425-15- 99- A- - | OCEANIA |
| I1BAF (I1s BAF ZF(1)) | <i>Eastern Carolines</i> |
| 60,120-40- 501- B-30 | KC6BK.....4617-19- 81- A- - |
| <i>Norway</i> | <i>Guam</i> |
| LA5HE.....1680-10- 56- A- - | K9CVJ/KG6.2448-12- 69- C-11 |
| LA6U.....144- 4- 12- A- - | <i>Marshalls</i> |
| <i>Finland</i> | KX6BU7...104,370-49- 710- C-22 |
| OH5TM....1331-11- 41- A- - | <i>Australia</i> |
| <i>Czechoslovakia</i> | VK3ATN..103,785-51- 679- A-35 |
| OK1MP....1593- 9- 59- B- - | VK3TL...20,375-25- 273- A- - |
| OK1ADM....450- 5- 30- A- - | VK2AHT...8883-21- 141- A- 4 |
| <i>Belgium</i> | VK3QV.....759-11- 23- A- 5 |
| ON4GC.....3150-14- 75- A- 7 | VK2JZ.....306- 6- 17- A- - |
| <i>Denmark</i> | <i>Cook Islands</i> |
| OZ9SL....45,936-29- 528- A- - | ZK1AR.....36- 3- 4- A- 1 |
| OZ4RT....4995-15- 111- A- - | <i>New Zealand</i> |
| OZ3KE....282- 6- 16- A- 6 | ZL1AGO...15,402-34- 151- A-12 |
| OZ4DX.....48- 4- 4- A- - | SOUTH AMERICA |
| <i>Netherlands</i> | <i>Chile</i> |
| PA0HBO...55,149-31- 593- A- - | CE1AD.....1938-17- 38- B- - |
| PA0LOU...3192-19- 57- A- 4 | <i>Colombia</i> |
| <i>Sweden</i> | HK4EB...222,525-69-1070- B-38 |
| SM5BDQ...26,220-20- 437- B-30 | <i>Peru</i> |
| SM5BDS...2160-12- 60- B- - | OA4PD...109,560-44- 830- B-33 |
| SM5BPJ...480- 8- 20- B- - | |
| SM6BJI (SM6s AOE BJI BSK) | |
| 44,914-34- 441- B-24 | |
| <i>Poland</i> | |
| SP5AR.....9785-19- 177- C-26 | |
| SP6FZ.....36- 3- 4- B- 1 | |
| <i>European Russian S. F. S. R.</i> | |
| UA1KBW (3 oprs.) | |
| 2480-10- 85- B- - | |

(Continued on page 172)

OA4PI.....10,773-21- 182- B- 7
OA1W.....9436-28- 113- A-15

British Guiana

VP3HAG..180,420-62- 971- A-31

Netherlands Antilles

PJ3CD.....59,592-26- 765- A-25
PJ2CU.....9576-24- 133- A-15

Venezuela

Brazil
PY2BGO...11,316-23- 164- C-12
PY5EG.....2976-12- 86- A- -
PY2CQ.....150- 5- 10- B- 1
PY2SO.....36- 3- 4- B- 1

YV5BIG..381,150-77-1650- B-64
YV5AGD..366,252-92-1327-BC-60
YV5BPG...54,560-44- 417- B- -
YV1DP.....9702-22- 147- B- 6
YV5AHG (4 oprs.)
840,960-80-3549-AB- -

¹ KØDQI, opr. ² W2VCZ, opr. ³ W7WJB, opr. ⁴ W9WNV, opr.
⁵ K5ABV, opr. ⁶ WA5FCZ, opr. ⁷ WA6HRS, opr.

ARRL thanks the following amateurs for submitting check logs
C.W. — K1s ETS SWG, W1s RWU TVN, W2s HEG MNW, W4s
FRO JUK, W7QB WA8HDP VE1AE VE4JT VE6MC VE8WN
F2SQ LZ1KRF ØK1s AMS US, OZ7X SMs 4AWC 5CAK 5MX
7ASN 7EH, SPs 5ZA 8ARY 9PT; *Phone*—K1ETS W1FDL
WB2JUC W4s DRK GQL, W6s JZG ZMX/6, W8s CHX FTQ,
K9VSY W9s EPH MG, VE2SI VE3DGX VE4DQ K4CSY/KP4
ØA4KY OZ5JT BAØJWA PY1BQK and SM4CMG

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