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 contester.

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/VE and 544 non-W/VE 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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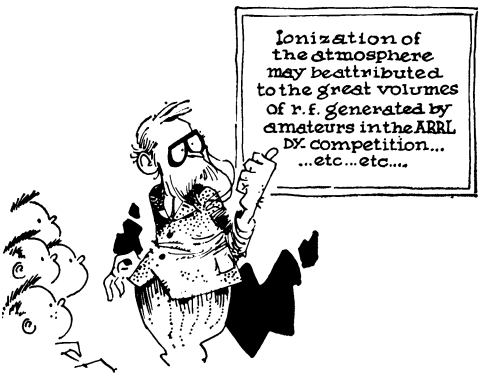
The Clubs

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.

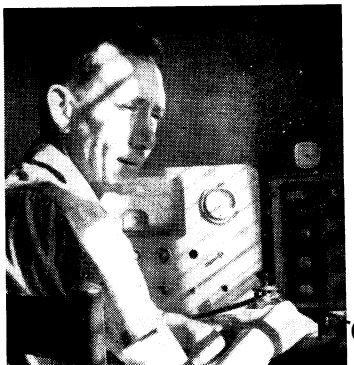


1965 ARRL DX COMPETITION

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.



From Oct. Dec 1964 ARRL

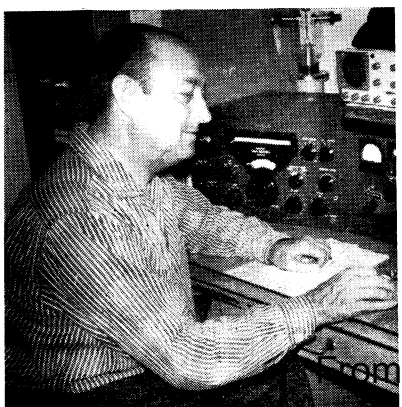
Soapbox

"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 ZK1 9G1 JA and a VP8." — *K3MNJ*, opr. *K3KPV/3*. . . . "Congratulations to FP8CB/FO8 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 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." — *WB2GPH*. . . . "It sure is a lot of work with dipoles. Last year I topped 361-K as K1RTB." — *WB2MFX*. . . . "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, 10-34." — *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 KG6AAY 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!" — *WA2OJD*. . . . "Who says 15 is dead? I worked almost as many countries on 21 Mc. as on 20!" — *WA2QMC*. . . . "Next year three finals!" — *WØFDL*. . . . "I believe the east coast DXers have some method whereby the reflectors on their beams prevent us from getting through." — *WØNFA*. . . . "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 VS1's in a row on 20." — *WA6VAT*. . . . "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. *KØMIC*. . . . "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. *K5HRR*. . . . "Worked 22 new ones bringing my total to 119 in 4 months up here." — *K5YAA/VO1*. . . . "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	30	50	80	60	10
Band	80	40	20	15	10
W1BIH		52	93	71	
W1BPW	30		94		
W1BU*	56	85	110	71	
W1EVT		61			
W1JYH	30	51	80		
K1LPL				60	
K1NOL		84	100		
W1WLZ	48				
W1WPO			103		
WB2APG*	34	75	85	67	
W2AYJ		76	83	64	11
K2DCA			91	74	10
W2GGE		61	84		
K2HWL			124		
WA2IZS					10
K2LAF			89		
WA2OJD		54			
W2VJN	30	54	80		
W2WZ		55	94		
W2ZWW			92		
W3ADO*	32		96	62	
W3AFM			110		
W3BES	33	77	88	70	12
W3EKN		51			
W3GHM*	33	69	93	72	
W3GRF	45	84	105	73	13
W3GRS*	32	55	85	69	
W3HHA		51			
W3HHK				60	
W3IYE		57	81		
W3KFQ*		62		60	
K3KPV/3		51			
W3KT/3		55			
W3MCG		64	85		
W3MFW	31	80	87	65	
W3MSK*	57	100	131	99	13
W3MVB		50			
W3MWC*		65		60	
W3PZW	37	52	133		
W3TMZ*	39	77	95	75	10
W3VKD*	39		98	84	14
W3WJD*	53	87	97	83	
W3WPG*	44	70	82		
W4BVV*	38	64	85	68	
W4BCV		65	92		
W4DHZ/4	35	76	89	71	15
W4DXI					10
K4GSU		65			

Minimum Number of Countries	30	50	80	60	10
Band	80	40	20	15	10
W4JAT		51			
W4JDR	31	61	83	63	13
W4KFC	40	80	111	76	
W4KXV*	52	74	122	72	10
K4LIQ*	44	78	104	83	
W4LSG		55			12
W4MCM		52	93	64	
W4SHJ	31				
W5BRR			81		10
WA5CBL		50			
W5CKY		64	80		
K5HRR		59			14
W5WZQ		72	91		
K6AHV		61			
W6DFY*		55			
W6EPZ		72	93		
K6ERV			90		
W6GRX		52			
W6IBD		57			
W6KG		57	81		
W6LCX			85		
W6MSM			87		
WA6QGW					11
W6RW*	30	68	101		
WA6SBO			101		
W6VSS*	49	111	134	74	17
W6WX		50	84		11
KH6FIF					10
W7PGS		56			
W8FGX	42	80	109	72	10
W8JSU			106		
K8LEE		60			
W8SH*		59			
W8VSK		95	94	70	
K8WVF		76			
W8ZCQ			86		
W8ZJM		55	80	66	
W9ERU		71	90	65	
W9GIL			81		
W9IOP		63	90	70	
W9IRH			80		
W9QYW			81		
WØAIH			80		
KØMIC		53	80		
WØNFA*		63	90		
WØYTQ*			91		
VE2NV	36				

* Multi-operator Station



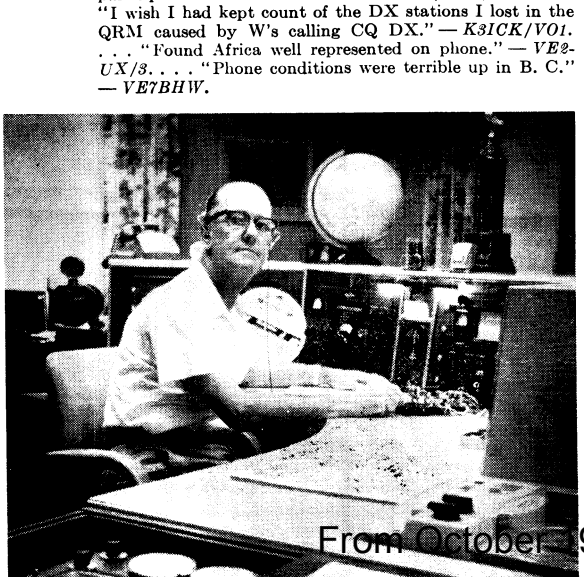
From October 1964 QST © ARRL

DX Continental Champions

Single Operator

C. W.		Phone
CN8FW..246,240	*Africa*	6O6BW....92,394
JA1BRK..237,384	*Asia*	JA1BRK..26,535
G4CP....327,113	*Europe*	DL1KB..140,940
HP1IE...547,108	*No. America*	KP4AOO.343,557
KG6AAY.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." — *VE5PM*. . . . "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." — *W3ECR*. . . . "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 W1WPO) 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?" — *W5AJY*. . . . "Running barefoot I got my toes stepped on many times but it was worth it." — *WA4AWG*. . . . "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 were typical of a sunspot minimum, we should have more of them." — *W1OKG*. . . . "After over 25 years, I have a good rig, good rcvr. 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." — *K6OHJ*. . . . "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." — *VE2UX/3*. . . . "Phone conditions were terrible up in B. C." — *VE7BHW*.



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!

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, WØYVN, 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 found 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 secon l 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,

QST for

From October 1964 QST © ARRL

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 GW3NWV pay tribute to the high standard of operating shown by all U.S. amateurs, without exception. 9A1AIJ (I1AIJ) 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, WØEZO, 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.

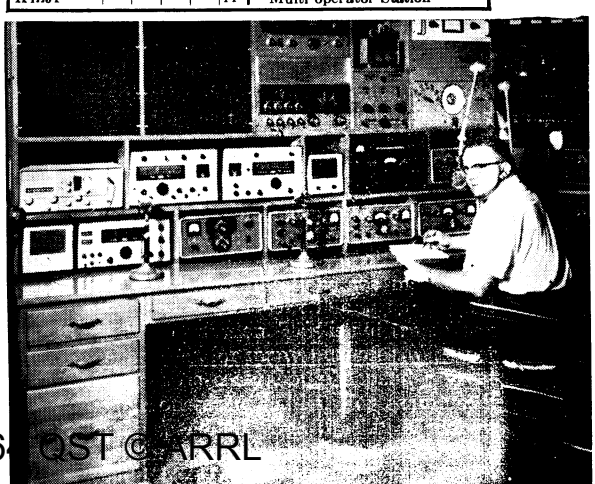
OCEANIA

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.

Minimum Number of Countries	5	20	50	50	10
Band	75	40	20	15	10
W1AWE			59		
W1BIH			61		
W1FZ				53	
W1GKJ			58		
K1IMP			58		
W1JYH			51		
W2DAJ					12
K2HLB	13	35	104	54	11
WA2IEK	5				
WA2IZS	6		52		
K2JMY			55		
W2PUN			57		
W2QWS			69		
W2VJN			51		
W2WZ	10		74		
W3ADO	12	23	52		
W3ALB	7		51		
W3BES	12	28	65	50	13
W3CGS			51		
W3EQA					11
W3GHM*	12		59		12
W3HRS*	10			50	10
W3HA			53		
W3HHK					11
W3IYE	8		56		
W3JTC			58		
W3KFQ*			58		
W3KT/3	5		62		
W3MSK*	27	39	108	78	19
W3MVB	5				
W3MWC*	5	24	57		
K3NHL	10	21			11
W3OCU			52		
W3WJD*	19	30	69	67	12
W3ZVJ			50		
WA4AWG					11
W4BCV	8	23	74	51	13
W4BVV	18	34	84		10
WA4CGA					11
W4HKJ			52		
W4KWY	21	22	75		13
W4NJF	9		75		
W4OPM			59		
W4PRP			72		
W4RLS			75		15
K4VWH	12				
K4WHD			78		
K4ZJF					11

Minimum Number of Countries	5	20	50	50	10
Band	75	40	20	15	10
W5AJY	12		51		10
WA5ALB	6				14
WA5CBL					18
K5JZY	7				14
W5KC	6				
W5KTR		20		54	19
W5LCI			55		
W5LEF					13
W5LLB/4	5				12
K5MDX	16	28	54		
K6AHV	9	27			17
WB6BBT					12
K6ERV			50		11
WA6GFY					19
W6GRX					13
W6LCF					12
W6LCX			50		10
W6LDA					12
K6OHJ			51		14
W6PKK					11
WA6QGW					15
W6RW	11		56		15
WA6SBG	14	27			16
WA6SBO			50		
W6WB					15
W6WX					17
KH6FBJ					12
K8AJK			69		
W8EGR			56		
W8GIO*			51		
W8NGO*			66		
W8NWO*	23		75	59	17
W8RXY			51		
W8UD			64		
W9GMY			58		
W9GIL					13
K9PNV	7		55		
W9WHM				51	
K9ZBI					10
KØBJK*			67		10
WØQUU*	10		50		
W4MFS/VO1			55		
VE2ANK			51		
VE2UX/3	10		74		
VE2WA			50		
VE3PV	8		51		

* Multi-operator Station



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.

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Single-Operator DX, over 200-K

HP1IE	547,108	DL7AA	273,978
KP4AOO	509,976	VP7CC*	253,332
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	TI2EW*	209,040
KG6AAY	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.w.* — WA6YLW W8LT W9TKD VE2AYU; *Phone* — K4VFY WAØEMS.

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	
W3MFW	517,068-271-636-	C-82	
K3KPV/3	278,730-190-489-	C-75	
W3HHK	255,780-196-435-	C-51	
W3BIP	210,930-178-395-	C-53	
W3KT/3	195,324-164-397-	C- -	
W3CGS	177,288-166-356-	C-55	
W3OCU	164,008-166-335-	C- -	
W3EQA	157,945-155-341-	C-45	
W3GHS	109,752-136-269-	C-28	
W3EVW	104,058-123-282-	C- -	
W3PN	99,918-122-273-	B-32	
W3DBX	98,889-119-277-	B-45	
W3BYX	73,233-103-237-	B-65	
W3CAA	49,128- 92-178-	A- -	
W3INH	48,306- 97-166-	C-10	
W3ECR	45,936- 88-174-	A- 5	
W3HHA	34,128- 72-159-	C- -	
W3QLW	29,949- 67-149-	B-22	
K3HTZ	27,813- 73-127-	A-38	
W3STA	23,085- 57-135-	B-22	
W3TGF/3	21,228- 58-122-	C-60	
W3GHD	19,215- 61-105-	B- -	
W3CTJ	16,524- 54-102-	B- 7	
W3NM	14,014- 49- 96-	C-15	
K3CNN	13,296- 48- 93-	BC-18	
W3ORU	13,200- 50- 88-	C-20	
W3KDF	13,158- 51- 86-	C- 6	
K3NVC	12,816- 48- 89-	B-45	
K3MNT	12,540- 44- 95-	C-20	
K3ELF	11,484- 58- 66-	B-36	
W3NCW	11,280- 47- 80-	A-17	
K3MCO	7770- 37- 70-	A-14	
W3GSY	7137- 39- 61-	A- -	
W3CBF	6930- 35- 66-	A-40	
K3RFB	4704- 28- 56-	B-25	
W3DAO	4464- 31- 48-	A- -	
K3HNP	3978- 26- 51-	A- -	
W3AEM	2325- 25- 31-	B- 9	
W3JSA	2016- 21- 32-	A-15	

VS1LP 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.

From October 1964 QST © ARRL

K3TRZ.....1200- 16- 25- A- 7
K3RHC[2].....450- 10- 15- C- -
K3LJZ.....300- 10- 10-AC- 1
K3LSX.....18- 2- 3- A- 3
W3WJD (K3JJG, W3WJD)
708,666-329-719- C-94
W3GHM (4 oprs.)
550,275-275-667- C-82
W3WPG (W3s SQX, WPG)
428,652-252-567- C-92
W3GRS (K3JCT, W3GRS)
428,250-250-571- C-90
W3MWC (K3LJZ, W3MWC)
338,130-221-510- C-83
W3KFQ (K3JGJ, W3KFQ)
271,830-205-442- C-60
K3JLI (K3JLI, W3YLJ)
192,780-170-378- C-88
W3QMZ (K2JXX, W3QMZ)
132,840-135-328- C-42
W3BGN (K3IPB, W3BGN)
119,196-132-301- B-96
K3OMP (K3s OMP YQJ)
5088- 32- 53- A- -
K3WNT (4 oprs.)
110- 5- 8- A-15

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
W3QQL...141,414-147-322- B-51
W3ZQ.....130,287-137-317- C-50

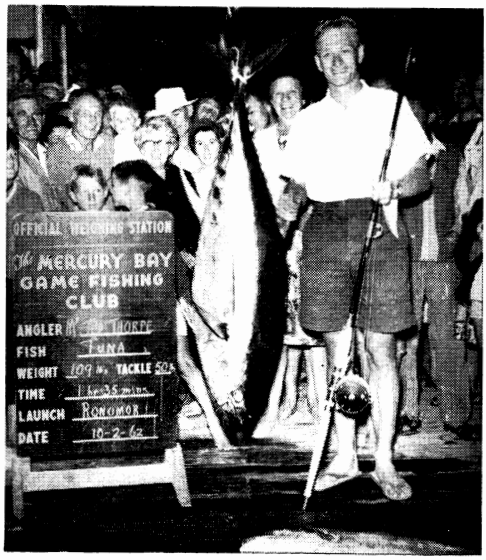
W3AFM..100,980-110-306- C-40
W3RNY....96,876-117-276- C-50
W3BKE....17,442- 51-114- B-12
W3EPR....10,800- 48- 75- B-21
K3TJE.....7749- 41- 63- A-17
W3KA.....4872- 29- 56- B- 4
K3LLV.....3480- 29- 40- A- 6
W3IWS.....1751- 17- 35- C- 8
W3NJV.....663- 13- 17- A- 8
W3MSK (6 oprs.)
1,250,622-402-1037-AC-96
W3TMZ (W3TMZ, W9SZR)
630,480-296-710- C-93
W3ADO (6 oprs.)
397,324-237-568-AC- -

Delaware

W3IYE...285,690-214-445-AC-65
K3NHL...169,218-158-357- C-45
W3DRD..100,440-135-248- C-39

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
W2SDB....50,196- 89-188- C-30
WB2GPH..44,604- 84-177- C-30
W2PAU....43,803- 93-157- C-30
WA2IEK...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



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
CE1AD			987	887	
CN8FW		573	650	487	
DL1KB			501	484	
DL1KB[1]			666		
DL4EA[1]			340		
DL4OV[1, 2]			1174	370	
DL5AO[1]			459		
DL7AA		344	625	447	
EA4GZ[1]			924		
F7GL[1]			396		
F8VJ			476	303	
G2DC				446	
G2QT			432	340	
G3KFX[1, 2]			882		
G4CP			1020	423	
GI3OTV			644		
GW3NWV[1, 2]			717	387	
HA1KSA		441	445	329	
HA5KBB[2]		433	601		
HB9JG			695	422	
HB9KC			316		
HK4EB[1]			304	444	
HK7ZT				368	
I1BAF[1, 2]			396		
I1CWN[1]			793		
I1GO			305		
I1RB[1]			435		
I1ZIX			688		
JA1BRK		318	841		
JA1VX		379	880		
JA2DN			319		
KA2KS[2]			359		
KG6AAY		555	715	302	
KP4AXM[1, 2]			576	539	
KP4AXM[2]			389	392	
KP4BJU		518	572	619	
KP4BMJ[2]		416	385		
KP4CC	302		546	630	
KX6AJ		458	323		
KZ5FC[2]			459	482	
LA1H			747		
LU6PK				436	
LX3AX			515		
OA4PD[1]			533		
OE5KE			540		
OH1SH			598		
OH2FS			792		
OH2QV[2]			691		
OZ1W			464		
OZ7G			303		
PAØLOU			638		
PJ2AE			363	356	
PJ3CD[1]			620		
PY1NEW			537		
SL5ZL			378		
SM3TW			371		
SM5BDQ[1]			437		
SM6CKV[2]			766	407	
SP6AAT			525		
TG9SC[1]			888	412	
TI2EW[1]				414	
UAØKFG[2]		306	765		
VK5ZP		544	418		
VP3HAG[1]			465		
VP7CC[1]			723	450	
VP9BY[1]			380		
VP9L		772	936		
VS1LP			337		
YV1DP			1122	797	
YV5AGD		520	411	549	
YV5AGD[1]			503		
YV5BIG[1]			982		
YV5BTK			310		
YV5AHG[1, 2]	348		2163	515	349
ZL2AWJ[2]		481	353	380	
ZP9AY			456	426	
4U1ITU[2]			470		
4U1ITU[1, 2]			564		
5H3JR[1]			433		
6O6BW[1]			910		
9A1AIJ[1, 2]			633	398	
9L1HX[1]			390		
9L1TL			372		
9Q5AB			688		

[1] Phone [2] Multioperator Station

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WA2IZS....12,390- 59- 70- C- -
K2BG.....7410- 38- 65- B-18
W2QKJ.....6804- 36- 63- B-20
K2IEO.....2592- 24- 36- C- 8
W2FYS/2....2310- 22- 35- A- 9
WB2BGM...2016- 24- 28- C-20
WA2UOF[3]...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-AC-90
WA2KWS (WA2s KWS OAA)
2583- 21- 41- A-18

Western New York

K2LAF...209,684-178-398- C-76
W2FVI...168,667-151-373- B-72
W2BJH....75,376-112-225- C-50
K2ZRO....67,800-100-226- C-45
WB2MFX..47,808- 83-192- B-55
WA2WGI..37,154- 76-163- B- -
WB2DGW.13,392- 48- 93- A-73
WA2NFY....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- -
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- -
W9QQN....11,520- 48- 80- C-28
WA9CYI...10,440- 45- 79- A-44
W9ZYD.....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- -
WA9CFI.....1071- 17- 21- A-16

K9IWS.....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[4].....39,216- 76-172- B-69
K9LVK....21,417- 59-121-
ABC-34
W9LKI....18,126- 57-106- B-16
K9QAN[5].....5022- 27- 62- C- 7
WA9BWY.....27- 3- 3- A- 1

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
W9GMV.....4200- 28- 50- B-26
K9OPF.....3456- 24- 48- A-10
W9HHX[6]....3302- 26- 43- C-10
W9HMU.....408- 8- 17- A- 5
W9YT (K9s ELT OPF)
42,960- 80-179- C-26

DAKOTA DIVISION

South Dakota

WØBLZ....43,065- 87-165- - -
WØCUC....32,058- 78-137-BC-33

Minnesota

WØAIH....63,648-102-208- C-18
WAØBWM.10,800- 40- 90- A-18
WØKUI.....297- 9- 11- B- 8
WAØEPG.....4- 1- 2- A- 6

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
K5DGI.....11,952- 48- 83- C-15

Mississippi

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

Tennessee

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

GREAT LAKES DIVISION

Kentucky

W4BCV...369,072-233-528- C-72
K4GSU....27,300- 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- -
W8EW.....49,215- 85-193-AC-29
W8NGO....44,634- 86-173- B-30
W8DGP....34,602- 79-146- A-35
WA8CZH..31,464- 76-138- A-40
K8GRE[7]...26,568- 72-123- C-33
W8MCC....8487- 41- 69- C-20
W8TRN.....4455- 33- 45- B-15
W8GSP.....2304- 24- 32- B-14
W8TJQ.....2040- 20- 34- A-18
WA8HGR....1782- 18- 33- A- 9
W8MSK.....960- 16- 21- A- 5
W8DM.....462- 11- 14- C- 2
WA8ECH.....27- 3- 3- A- 4
W8SH (5 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....97,152-128-253-AC- -
W8GQU....87,560-110-266- C-76
W8JSU....73,140-106-230- C-31
W8YPT....65,448-108-202- B-26
K8NMG....51,660-105-164-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- 76-139- 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
WA8ETX....1173- 17- 23- A- -
WA8ILI.....1008- 14- 24- A-15
WA8GYX.....420- 10- 14- A- 3
K8DWQ.....384- 8- 16- C- -
WA8HVR.....150- 5- 10- A-10
WA8ETW.....75- 5- 5- A- -

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	W6KG	K6OHJ
Virginia Century Club	2,351,848	15	W4DHZ/4	W4KWY
Southern California DX Club	1,571,817	17	W6IBD	W6RW[1]
Order of Boiled Owls of New York	1,465,962	9	W2AYJ	.....
Ohio Valley Amateur Radio Assn.	1,035,975	6	W8FGX	.....
Connecticut Wireless Assn.	644,004	5	W1BIH	.....
South Jersey Radio Assn.	571,953	22	W2DAJ	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	5	W8ZCQ	.....
Tri-City Amateur Radio Club (Conn.)	222,360	6	W1WHQ	.....
West Park Radiops (Ohio)	202,011	12	W8YPT	W8IJZ
Central Michigan Amateur Radio Club	201,027	7	W8VPC	W8RXY
Motor City Radio Club (Mich.)	159,901	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	118,743	3	.....	.....
Suffolk County Radio Club (N. Y.)	87,447	5	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	K2IBW	.....
Lynchburg Amateur Radio Club (Va.)	49,062	3	K4QKY	.....
Willamette Valley DX Club (Ore.)	44,562	4	.....	.....
Cherry Point Amateur Radio Club (N. C.)	15,261	3	.....	WØFPA/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.

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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[8].....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...168,831-169-333- C-60
WB2CKS.160,272-168-320- 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
W2QZQ....14,994- 49-102- C-24
WB2JUC...14,382- 51- 95- A-44
W2GKW....13,992- 53- 88- B-18
WB2HQT...12,540- 44- 95- A-15
K2ZYR.....2772- 22- 42- A- -
W2EQG.....2280- 20- 38- B- -
WA2UXZ....1860- 20- 31- A- 3
WB2EJB....1311- 19- 23- A- 6
W2DTL.....1275- 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
W2BPA.....198- 6- 11- B- 3
WA2WIJ.....75- 5- 5- A- -
WB2FPF.....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
WA2GIX...36,735- 79-155- C-25
W2EHN...31,500- 70-150- B-28
WB2CRP...30,843- 69-149- B-39
WA2PWI...30,015- 69-145- A-33
WB2DEP...18,096- 52-116- A-30
WA2VSQ...16 950- 50-113- A-47
WA2HNI...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
W2EQS.....2088- 24- 29-AC- -
W2LQP.....1377- 17- 27- A- 3
WB2GFY....765- 15- 17- A- 5
WB2GFQ....756- 12- 21- A-10

MIDWEST DIVISION

Iowa

WØFDL....76,230-121-210- C-33
WØHNA...68,040-108-210- C-49
WØLBS....27,948- 68-137- C-40
WØBSY.....3510- 30- 39- A-15
WØYTQ (WØs PKH YTQ)
237,690-190-417- C-68

Kansas

WØDAE....35,076- 79-148- C-20
K6SXX/Ø....1680- 20- 28- A- 6

Missouri

WØLBB....52,500-100-175- C-48
WØGNX...44,712- 92-162- C-47
WØGUV....41,223- 91-151- C-40
KØJPL.....21,507- 67-107- B-21
WAØAJV.....2250- 25- 30- A-12
WØNFA (4 oprs.)
388,416-23 -544- C-80

Nebraska

KØMUJ.....12- 2- 2- A- 3

NEW ENGLAND DIVISION

Connecticut

W1BIH...441,636-247-596- C-63
W1WHQ..126,162-129-326- B-50
W1TX....109,908-129-284-
ABC-44
W1WPO[8]...85,593-103-277- C- -
W1QV.....79,968-119-224- C-37
W1AH.....13,923- 51- 93-BC-40
K1MJG.....5075- 29- 59- - -
K1PNS.....5031- 39- 43-AC-20
W1IKE[8].....3648- 32- 38- B-10
K1ZND.....3312- 24- 46- A-14
W1ECH[8] 2652- 26- 34- A-11
K1DII.....2331- 21- 38- C- 6
K1GZJ.....1053- 13- 27- C- 6
W1BDI[8].....147- 7- 7- B- 1
W1AW (K1EUK, K2UTV)
3978- 26- 51- C-10

Division Leaders

Single Operator

C. W.		Phone
W3GRF	Atlantic	W3BES
W9IOP	Central	K9PNV
WØAIH	Dakota	WØCUC
W5CKY	Delta	W5AJY
W8FGX	Gr. Lakes	W4BCV
W2AYJ	Hudson	K2HLB
WØFDL	Midwest	WØLBB
W1BIH	New England	W1GKJ
W7PQE	Northwestern	K7QWI
K6ERV	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[9].....5508- 34- 54- A-15
W1NS......4340- 28- 52- B- 4
K1SZN.....4154- 31- 45- B-30
WØPAN/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 oprs.)
827,982-342-807-AC-90

Western Massachusetts

W1UUK...81,252-111-244- B-44
W1DGT....56,580- 92-205- B-30
W1EZD....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
K1DFT....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

KL7CYS...11,480- 40- 99- A-31

Montana

W7EWR.....714- 14- 17- A- 8

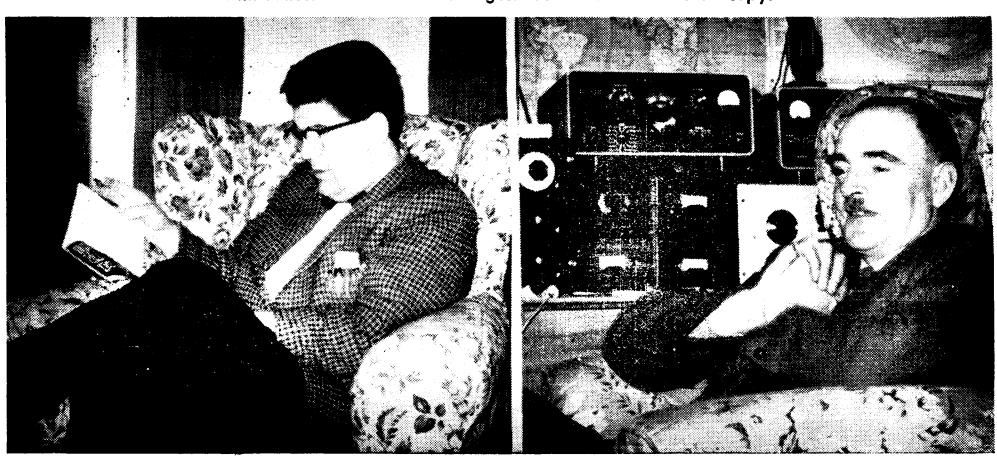
Oregon

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
K7QNQ.....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 GW3NWV in an excellent phone performance with almost 1200 vocal exchanges. Looks like real armchair copy!



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TOP TEN W/VE High Scorers
Under 150 Watts Only

C. W.		Phone	
K1LPL	110,922	WA2OOO	58,236
W2HUG	76,398	WA2GSO	49,248
K4YFQ	75,446	VE2ANK	43,326
W3CAA	49,128	WA4AWG	41,580
WA6OJM	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
K7PJT....1740- 20- 29- B-15
W7VRO....1260- 15- 28- A- 3
K7QKB....196- 7- 10- C-12

PACIFIC DIVISION

Hawaii

KH6FIF...62,685-105-199-AC-36
KH6FIE....5771- 29- 67- B-18

Nevada

W7VIU....1014- 13- 26- B- 3

Santa Clara Valley

K6ERV[10]..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
W6JKJ....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-20
W6MVL...21,507- 67-107- C-16
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
W6LLD...185,850-175-354- C-85
K6AHV...114,168-142-268- C-40
W6BSY....90,174-133-226- C-58
W6PQW....69,993-101-231- C- –
W6RGG/6..60,528-104-194- C-50
WA6UUS...56,736- 96-199- B-60
W6FLT....12,558- 46- 91- C-15
WA6VAT...10,191- 43- 79- A-20
W6KEK....9417- 43- 73- C-10
W6EJA....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- 50-107- C-35

Sacramento Valley

W6GRX..222,300-195-380- C-72
W6BIL....16,848- 54-104- C-55
W6AF....3354- 26- 43- C-26
K6DQB....1008- 14- 25- A-31

South Carolina

WA4IKU...31,104- 81-128- B-35
K4YYL....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...22,311- 67-111- 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....9072- 42- 72- C-18
WA4SHD...6786- 39- 58- B-13
W4SHJ....5394- 31- 58- B-10
K4WVT....4704- 28- 56- A- –
K4IKF....1620- 20- 27- A- 5
W4KXV (6 oprs.)
883,116-333-884-AC-96
K4LIQ (K4s LIQ SXT)
711,136-313-758-AC-90
W4BVV (K4VWH, W4BVV, WA4IVL)
497,154-266-625-AC-96

San Joaquin Valley

W6BVM...76,923-111-239- - –
W6KTW...72,105-115-209- C-50
W6WWD....7524- 38- 68- B-13
W6AFH....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

West Virginia

W8UMR...25,146- 66-127- A-15
WA8AIL...12,276- 44- 93- A-20

ROCKY MOUNTAIN DIVISION

Colorado

KØMIC[11]..202,200-200-337- C-64
WØCDP...167,400-155-360- C-43
KØVFN....1197- 19- 21- B- 9
KØKKU (KØsEZH, KKU)
126,096-142-296- C-80
WØEZO (WØEZO, WAØs BAD BAE)....18,150- 55-110- C-25

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

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- B-40
W4HKJ....42,952- 91-158- C-22
W4NTE....19,656- 56-117- A-96
W4WYJ....15,066- 54- 93- A-17
K4EJ....5550- 37- 50- A-25
W8ZL/4....5040- 30- 56- B-22
WA4IJM....4200- 28- 50- A- 8
WA4QPV....3255- 31- 35- A- –
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
K4EWG....28,152- 68-138- B-21
W4BHG....7326- 33- 74- B- 8
K4JSZ....5994- 37- 54- A-10
W4HOS (W4s FRO HOS)
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....59,400-100-198- C-40
W6NEX....49,662- 89-186- C-44
W6FET....23,256- 68-114- C-37
WA6KNE...22,200- 74-100- C-42
K6KII....20,544- 64-107- A-31
W6APH....18,810- 57-110- A-42
W6AM....10,865- 43- 85- C- 7
W6ZMX/6..4464- 31- 48- C-18
WB6BEE....1200- 16- 25- C- 9
WA6KHK...1027- 13- 27- A- 7
WB6HTC....765- 15- 17- A- 8
WA6ZMR....319- 11- 13- A-12
WB6BFI....162- 6- 9- A- 8
W6RW (9 oprs.)
397,404-249-532-AC-48
W6DFY (W6DFY, WA6MUK)
221,580-180-411- C-48

Arizona

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
WB6GFZ....432- 9- 16- A- 8
WA6WPG....120- 5- 8- A- 4
WA6DWH....75- 5- 5- A- 2
W6VSS (8 oprs.)
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

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.

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WEST GULF DIVISION

Northern Texas

WA5CBE..93,141-131-237- B-56
WA5BFB[12]..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

K5OCX....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
K5HRR[13]
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/VO1
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...126,336-128-329- C- –
VE2BV.....35,088- 68-172- B-13
VE2AWR....3036- 23- 44- B- 8

Ontario

VE3BOG..110,370-130-283- C-50
VE3ES.....38,415- 65-197- B-31
VE3AU....17,253- 71- 81- B-14
VE3PV.....17,004- 52-109- B- –
VE3AWE...10,458- 42- 83- B-12
VE3EBP.....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
CR7IZ.....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
ZS1O.....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

6O6BW....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....227,988-54-1410- C-50
JA1CG....67,860-45- 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.

UAØKCO...16,320-16- 346- B- –
UWØIP.....8755-17- 172- A- –
UA9KQA....4050-15- 90- B- –
UW9OU.....3735-15- 83- A- –
UWØIX.....3420-12- 95- A- –
UAØKSB....2940-12- 83- B- –
UAØGM....1908-12- 53- A- –
UA9WR.....1512-12- 42- A- –
UW9CD.....936-12- 27- A- –
UAØKZD....764- 4- 64- B- –
UA9KHA....385- 7- 20- B- –
UA9KSC.....60- 4- 5- B- –
UA9CC.....48- 4- 4- B- –
UA9KHA.....3- 1- 1- B- –
UAØKFG, (UAØEH, UWØs FK FM) 126,762-37-1142- B-96
UAØKDA (3 oprs.)
5415-15- 121- B- –
UAØKYA (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
VS1JW.....2930-10- 98- A- –

Hong Kong

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

Multioperator Scores

Top Ten

C. W.		Phone	
W3MSK	KZ5FC	W3MSK	YV5AHG
W6VSS	DJ5BV	W8NWO	KP4AXM
W4KXV	ZL2AWJ	W3WJD	DL4OV
W1BU	HA5KBB	W8NGO	GW3NWV
K4LIQ	SM6CKV	W3GHM	G3KFX
W3WJD	KP4AXM	KØBJK	9A1AIJ
W3VKD	OH2QV	W3GRS	I1BAF
W3TMZ	KP4BMJ	W3MWC	4U1ITU
W3GHM	GW3ITZ	W3KFQ	SM6BJI
WB2APG	KA2KS	WØQUU	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- –
DJ1VI.....2646-18- 49- A-21
DL6VP.....2280-12- 66- A-16
DL1JG.....2208-16- 50- A- –
DJ9GS.....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- –
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

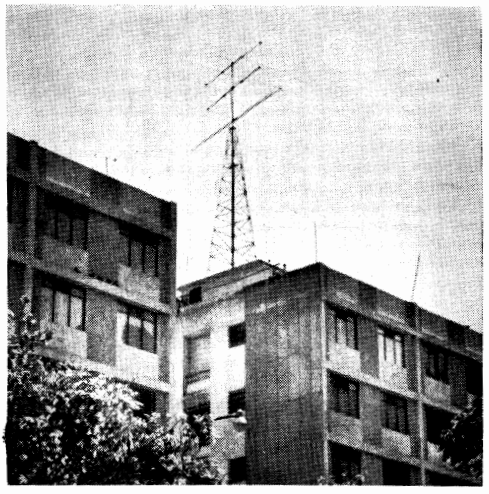
F8IH.....237,840-60-1366- A- –
F8VJ.....163,510-52-1052- A-46
F8ZF.....25,172-31- 279- A-32
F8TM.....10,250-30- 125- A- –
F2PO.....9366-21- 151- A-19
F2GO.....3685-11- 113- A- 7
F3PK.....2664-12- 74- A- –
F3BX.....1512- 8- 63- A- –
F8VO.....999- 9- 37- A- –
F3II.....567- 9- 21- A- –

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.

From October 1964 QST © ARRL

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.)
246,480-60-1372- 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-15
IT1AGA...11,450-25- 154- A-29
I1VAB.....5073-19- 89- A-24
I1ER.....4980-20- 83- A-43

Norway

LA1H[14].....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

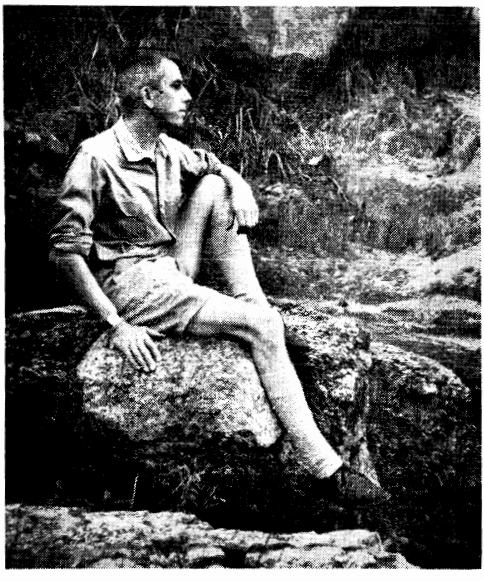
OE5KE....97,825-43- 764- B-55
OE1HGW....6720-16- 140- A-15

Finland

OH1SH...115,920-16- 842- B- –
OH2FS....74,250-30- 825- B-49
OH5PT....18,837-21- 299- A-41
OH5UV....10,218-26- 131- A- –
OH5VF.....9540-20- 162- B- –
OH5TM.....4800-20- 80- A- –
OH5UY.....4641-17- 91- A- –
OH1PI.....4635-15- 105- B- 7
OH2BDB....4335-17- 85- B- –
OH3TA.....3230-19- 57- A- –
OH5VD.....2256-16- 47- B- 5
OH2BAC....2160-15- 48- A- –
OH1VR.....2145-13- 55- A- –
OH2YL.....1872-16- 39- B- –
OH5OL.....1728-12- 48- A- –
OH2BAH....1365-13- 35- B- –
OH5UQ.....1218-14- 29- A- –
OH2BS.....780-13- 20- A- –
OH3NR.....759-11- 23- A- –
OH2BCZ.....680- 8- 29- A- –
OH2QV (OH2s BH QV)
131,967 43-1023- B- –
OH2BAZ (multiopr.)
28,527-37- 257- B- –
OH6AA (5 oprs.)
5355-21- 85- A-30
OH2BH (OH2s BH QV)
2430-15- 54- B- –
OH2AF (OH2s BG VB)
2124-12- 60- A- –

Czechoslovakia

OK1ZL....220,365-59-1245- B-70
OK1GT...169,650-50-1131- B- –
OK1AFC..100,035-45- 741- A-55
OK1ADM..37,590-42- 299- A- –
OK1AGI...36,072-36- 337- A- –
OK1IQ.....30,720-32- 320- B- –
OK2QX....18,972-36- 178- A- –
OK3SK....14,410-22- 224- B- –
OK3UL....11,180 26- 145- A- –
OK1AHZ...10,584-28- 126- A –
OK3CCC....5746-17- 114- A- –
OK2ABU....5358-19- 96- B- –
OK2KJU.....5313-21- 85- A- –
OK2OQ.....3672-12- 103- A- –
OK1AEV....2145-13- 55- A- –
OK2BBJ.....1830-15- 41- A- –
OK1TW.....890-10- 30- B- –
OK2BCA.....792-12- 22- A- –
OK3CAU.....770-10- 26- A- –
OK1ZW.....564-12- 16- A- –
OK1GO.....450- 5- 30- A- –
OK1AGV.....414- 9- 16- A- –
OK2KMB.....360- 5- 24- A- –
OK2LN.....315- 7- 15- B- –
OK2BGH.....27- 3- 3- A- –
OK1TL (multiopr.)
86,258-43- 692- A- –
OK3KAG (3 oprs.)
24,769-31- 267- A- –
OK2KMB (2 oprs.)
15,249-23- 221- 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

PAØLOU..119,808-48- 837- A-38
PAØVB.....39,216-43- 304- A- –
PAØWAC...23,400-25- 312- A-16

Sweden

SM3TW....72,828-42- 578- B- –
SL5ZL[15]....68,760-40- 573- B- –
SM5CCE...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
SM6UG.....9758-17- 196- A-18
SM5KV.....7771-19- 137- A- –
SM5BPJ.....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- –
SM5AQI.....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.)
235,306-58-1356- 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- –
SP9ADU....2754-18- 52- A- 4
SP8ABQ.....2028-13- 52- A- –
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

SVØWAA...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- –
UA3KHA (2 oprs.)
858- 11- 26- B- –
UA3KYI (2 oprs.)
432- 9- 16- A- –

Kaliningradsk

UA2KAK....7290-15- 162- 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

UP2KBC[16]..35,757-29- 411- B- –
UP2OO....27,300-25- 364- 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- –
YO8CF....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- –
YO5KAI[17].....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

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KP4CC...362,871-69-1753- B-62
KP4RK...20,340-30- 226- A- 7
KP4BAE...1128- 8- 47- B- 2
KP4AXM (5 oprs.)
211,410-58-1236-AB-88
KP4BMJ (KP4s BMJ BPG, WP4BNN)
146,452-47-1044- A-71

Canal Zone

KZ5FC (5 oprs.)
280,704-68- 1376- C-32

Greenland

OX3LLD...40,560-30- 451- A- –

Netherlands Antilles

PJ2AE...200,256-64-1043-AC-35

Guatemala

TG9AD...75,284-44- 571- C-17
TG9SC...49,896-42- 400- B-19

St. Kitts, Nevis

VP2KR...51,408-42- 408- A-20

Barbados

VP6AF...89,088-58- 532- A-30
VP6AT...18,304-22- 284- A- –

Bahamas

VP7BG...29,016-31- 312- A- 8

Bermudas

VP9L[18]...327,540-53-2060- A-58

Mexico

XE2AAG...53,000-40- 448- A-38
XE1NL...42,914-43- 337- A-15
XEØCS (K6s ICQ ICS)
2771-17- 55- A- 5

Jamaica

6YAXG...22,202-34- 218- A- 7
6YACZ...1332-12- 38- A- 7

OCEANIA

Eastern Carolines

KC6BK...116,460-60- 647- A- –

Guam

KG6AAY[19]..324,608-64-1706- C-65
K9CVJ/KG6 5736-24- 80- C-13

Marshalls

KX6BU[20]..180,000-60-1000- C-22
KX6AJ...129,582-46- 939- A-31

Australia

VK5ZP...185,542-58-1069- A-56
VK3TL...82,560-40- 696- A- –
VK2GW...68,448-46- 496- A-40
VK5TC...46,483-47- 330- A-30
VK3ZR...21,779-29- 251- A- –
VK3AXK..14,214-23- 206- A-18
VK3XB...10,603-23- 154- A- –
VK2ADE...9918-19- 174- A- –
VK2QL...8300-25- 112- A- –
VK3RJ...1683-17- 33- A- 6
VK3KS...1122-11- 34- A- –
VK3QV...781-11- 24- A- 4
VK4KX...27- 3- 3- A- –
VK5KO...12- 2- 2- A- 1

Gilberts

VR1B...35,373-39- 303- A-21

Fiji Islands

VR2DK...40,716-39- 350- A-23

New Hebrides

YJ1DL...48- 4- 4- A- –

Cook Islands

ZK1AR...111,936-53- 704- A-35

New Zealand

ZL3VI...7614-27- 282- A- –
ZL1GX...1881-11- 57- A- –
ZL2AWJ (ZL2s AWJ RA)
249,600-64-1300- A-72

SOUTH AMERICA

Chile

CE1AD...454,320-72-2104- B- –
CE2CR...9690-30- 109- A-10

Bolivia

CP3CN...15,750-21- 250- A-23

Uruguay

CX1OP...21,897-27- 237- A- –

Colombia

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

Antarctica

KC4USB[21]..40,350-25- 538- C-14

Argentina

LU6PK...62,970-30- 700- A-31

Brazil

PY2BGL...32,040-30- 356- A- –
PY1NEW..30,419-19- 537- B-12
PY2SO...2964-12- 83- A- 8
PY2BZD...1908-12- 53- A- 4

Surinam

PZ1BH...5060-23- 74- A- 8

Venezuela

YV1DP...492,048-68-2412- B-32
YV5AGD..465,690-86-1805-BC- –
YV5BTK...70,524-36- 659-AB-35

Paraguay

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.

W3NJV...108- 6- 6- A- –
W3MSK (6 oprs.)
978,039-271-1203- C-96

Delaware

W3IYE...92,040-118-260- C-50
K3NHL...85,680-120-238- C-45

Southern New Jersey

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
WB2BGM..27,300- 70-133- C-40
WA2BLV...19,158- 62-103- C-20
W2DMR...16,704- 58- 96- C-22
K2OIX...15,900- 53-100 C-26
WA2QHQ..14,288- 47-102- A-26
W2QDY...11,193- 41- 91- B- –
K2PZF...7722- 39- 66- C-11
WB2APG...6660- 37- 60- C-10
W2QKJ...6510- 31- 70- B-46
W2ORA...4050- 27- 50- A- 8
WA2EIY...1425- 19- 25- A- –
W2LVW...1296- 16- 27- – –
K2OEA...478- 12- 13- A- 3
WB2EDH...297- 9- 11- A-10
WA2TTA...6- 1- 2- A- 1

Western New York

W2QWS...92,400-112-275- C-48
W2PUN...23,256- 57-136- B-27
W2SNI...13,083- 49- 89- C-56
WB2MFX..10,578- 43- 82- B-32
W2FZJ...8100- 45- 60 B-25
WA2KIZ...147- 7- 7- A- 4
K2GXI...90- 5- 6- – –

Western Pennsylvania

W3LIV...19,635- 55-119- C-33
W3ZVA...5184- 32- 54- C-24
K3ELL...4425- 25- 59- B-16
K3SIQ...4032- 28- 48- A-21

CENTRAL DIVISION

Illinois

K9CSW...50,400-100-168- C-35
W9GAI...26,427- 69-128- C-21
K9ZBI...20,412- 63-108- C-23
K9FXN...17,808- 56-106-AC-30
K9VFF...13,356- 53- 84- B- –
W9IRH...12,054- 41- 98- C-15
W9JJV...11,316- 46- 82- C-50
WA9IIJ...7740- 43- 60- A- –
W9QQN...7011- 41- 57- B- –
WA9BHH...3159- 27- 39- A-16

[1] K3MNJ, opr. [2] K3LWR, opr. [3] WA2MES, opr. [4] KØLXB, 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] LA9OI, opr. [15] SM5WI, opr. [16] UP2OF, opr. [17] YO5TF, opr. [18] W2YTH, opr. [19] K6SDR, opr. [20] WA6HRS, opr. [21] W1UFW, opr.

(*Continued on page 164*)

PHONE SCORES

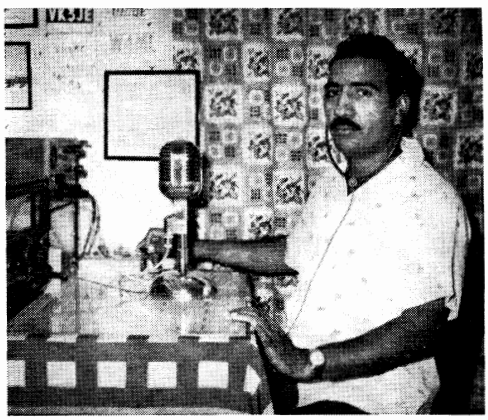
ATLANTIC DIVISION

Eastern Pennsylvania

W3BES...194,045-168-385- C-65
W3HHK...93,411-107-291- C- –
W3ALB...69,498-117-198- C-29
W3OCU...61,886 97-215- C- –
W3CGS...58,140- 85-228- C-38
W3KT/3...56,355- 85-221- C- –
W3EQA...56,050- 95-200- C-50
K3BNS...44,460- 76-195- B-35
W3NM...39,757- 83-160-BC-45
W3HA...28,620- 53-180- C-18
W3PN...28,140- 70-134- B-26
K3BGX...27,225- 75-133- B-40
W3GHD...15,408- 48-107- B- –
W3QMZ...15,264- 53- 96- B-49
K3CNN...15,141- 49-103- B-20
W3ECR...13,596- 44-103- A- 4
W3ZSS...10,881- 39- 93- C-14
K3PSW... 6802- 38- 60- A-38
K3JXC...3354- 26- 43- A- –
W3QLW...3249- 19- 57- B-14
W3JSA...3240- 27- 40- A-10
W3CTJ...3150- 25- 42- A- 5
K3JGJ...1008- 16- 21- B- 6
W3QIR...672- 14- 16- B- 3
K3MNT...273- 7- 13- C- 5
W3WJD (K3JJG, W3WJD)
323,277-197-550- C-95
W3GHM (4 oprs.)
156,156-143-364- C-80
W3GRS (W3GRS, K3JCT)
119,808-128-312- C-42
W3MWC (K3s JLI LJZ, W3MWC)
103,329-129-267- C-60
W3KFQ (K3JGJ, W3KFQ)
93,988-113-292- C-63
K3KPV/3 (4 oprs.)
30,073- 61-165-AC-40
K3WFX (K3s VTO WFX)
11,808- 48- 82- C-18

Maryland-D. C.

W3ZVJ...107,463-113-317- C-53
W3ADO[1]..100,983-123-273- C- –
W3JTC...23,142- 58-133- C-25
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.

From October 1964 QST © ARRL

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

WØHSC (KØGBA, WAØFWC) 5841- 33- 59- C- –

South Dakota

WØCUC.....4050- 30- 45-BC- –

Minnesota

WØKUI.....3- 1- 1- B- 2
WØQUU (WØs 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

W4BCV...229,671-169-453- C-74

(*Continued on page 166*)

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

WA2OOO..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

K2HLB[2]...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
W2MNW.....208- 8- 9- A- 8

MIDWEST DIVISION

Iowa

WØLBS....18,180- 60-101- C-45
WØFDL.....8658- 39- 74- C-10

Missouri

WØLBB....42,930- 90-158- B-46
WAØAJV...12,201- 49- 83- A- -
KØJPL.....8640- 40- 72- B-16
WØUCK.....363- 11- 11- A-12
WØGUV.....27- 3- 3- B- -
KØBJK (KØs BJK DUB, WØNFA,
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.....546- 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
WA6GFY[3]..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
WØFPA/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*)

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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

WØEZO.....4752- 36- 44- B- 7

Utah

W7DQM...24,156- 66-122- C-40
K7OXB.....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

W6RW[4]...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[5].....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[6].....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.

UAØEH.....5390- 14-129- B- –

Hong Kong

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

(Continued on page 170)

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Israel

4X4HW.....1211- 7- 59- B- –

EUROPE

Portugal

CT1KH.....165- 5- 11- A- 2

Germany

DL1KB...140,940-45-1044- B-35
DJ6QT.....45,372-38- 398- A- –
DL4EA....39,432-31- 424- B- –
DL5AO....26,163-19- 459- B-14
DJ2OV.....18,480-20- 309- B-20
DL4RT.....9888-16- 206- B-24
DL7AD.....5130-18- 95- B- 9
DL3ME.....600-10- 20- B- –
DJ5HN.....288- 6- 16- A- –
DL7DE.....240- 4- 20- B- –
DL4OV (DL4s DT NM XR)
265,318-53-1819- B-66

Spain

EA4GZ.....55,440-20- 924- A- –

France

F7GL.....14,256-12- 396- A-12
F3EG.....8594-12- 239- B- –
F3II.....7695-45- 57- A- –
F8WE.....300- 4- 25- A- –

England

G3CAZ.....6669-19- 117- A-17
G3KFX (G3s JOC KFX)
136,920-40-1143- B-43
G3LDI (G3s IOR LDI MPN)
22,960-28- 274- A- –

Northern Ireland

GI4RY.....462- 7- 22- B- –

Wales

GW3NWV (GW3s DIX NWV)
181,917-51-1189-AB-79

Switzerland

HB9ZY....28,905-47- 205- B- –
HB9MO....26,865-27- 333- B- –
HB9UD.....135- 5- 9- B- 3

Italy

I1RB.....67,858-37- 612- A-36
I1CWN....47,400-20- 793- A-32
I1TBU.....15,876-14- 378- A- –
I1LCF.....6060-20- 101- A- –
I1BBZ.....4425-15- 99- A- –
I1BAF (I1s BAF ZEG)
60,120-40- 501- B-30

Norway

LA5HE.....1680-10- 56- A- –
LA6U.....144- 4- 12- A- –

Finland

OH5TM.....1331-11- 41- A- –

Czechoslovakia

OK1MP.....1593- 9- 59- B- –
OK1ADM.....450- 5- 30- A- –

Belgium

ON4GC.....3150-14- 75- A- 7

Denmark

OZ9SL.....45,936-29- 528- A- –
OZ4RT.....4995-15- 111- A- –
OZ3KE.....282- 6- 16- A- 6
OZ4DX.....48- 4- 4- A- –

Netherlands

PAØHBO...55,149-31- 593- A- –
PAØLOU.....3192-19- 57- A- 4

Sweden

SM5BDQ...26,220-20- 437- B-30
SM5BDS.....2160-12- 60- B- –
SM5BPJ.....480- 8- 20- B- –
SM6BJI (SM6s AOE BJI BSK)
44,914-34- 441- B-24

Poland

SP5AR.....9785-19- 177- C-26
SP6FZ.....36- 3- 4- B- 1

European Russian S. F. S. R.

UA1KBW (3 oprs.)
2480-10- 85- B- –

Ukraine

UB5FG.....936- 8- 39- A- –

Rumania

YO4WU.....378- 6- 21- A- –

Malta

ZB1BX.....336- 7- 16- A- 9

I.T.U., Geneva

4U1ITU (5 oprs.)
49,946-26- 645-BC-31

San Marino

9A1AIJ (Ils AIJ LCK ZSQ)
118,674-38-1041- A-53

NORTH AMERICA

Cuba

CO8RA....36,851-43- 288- A-30

Dominican Republic

HI8XRM....9292-23- 135- A- 9

Panama

HP1JC.....3591-19- 63-AB- 9

Puerto Rico

KP4AOO..343,557-59-1941- A-59
KP4AXM (6 oprs.)
297,131-61-1637- B-96

Canal Zone

KZ5DG....92,304-48- 644-AC-25
KZ5FC (5 oprs.)
18,620-35- 178-AC-11

Guatemala

TG9SC....304,854-62-1639- C-30

Costa Rica

TI2EW....209,040-65-1080- B-30
TI2JR.....168- 4- 14- A- 3

Bahamas

VP7CC....253,332-62-1362- A-48
VP7BG.....2505-15- 56- A- 1

Bermudas

VP9BY....35,719-23- 518- A- –

Mexico

XE1FFU...16,725-25- 223- A-12
XEØCS (K6s ICS JJC)
14,586-34- 143- B-15

Nicaragua

YN1LH....33,600-28- 400- C-10

Jamaica

6YAAH.....6370-13- 164- A-17

OCEANIA

Eastern Carolines

KC6BK.....4617-19- 81- A- –

Guam

K9CVJ/KG6.2448-12- 69- C-11

Marshalls

KX6BU[7]..104,370-49- 710- C-22

Australia

VK3ATN..103,785-51- 679- A-35
VK3TL....20,375-25- 273- A- –
VK2AHT....8883-21- 141- A- 4
VK3QV.....759-11- 23- A- 5
VK2JZ.....306- 6- 17- A- –

Cook Islands

ZK1AR.....36- 3- 4- A- 1

New Zealand

ZL1AGO...15,402-34- 151- A-12

SOUTH AMERICA

Chile

CE1AD.....1938-17- 38- B- –

Colombia

HK4EB...222,525-69-1070- B-38

Peru

OA4PD...109,560-44- 830- B-33

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

Netherlands Antilles

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

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

British Guiana

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

Venezuela

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- –

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[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 OK1s 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 OA4KY OZ5JT PA0JWA PY1BQK and SM4CMG.

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