

# Results, 1977 September VHF QSO Party

Like gold and happiness, multipliers are where you find them.

By Bill Jennings,\* K1WJ

The conditions of the vhf bands for the 29th September VHF QSO Party, held September 10-12, came as no surprise. It was a September contest and September conditions prevailed. Six meters did not open up, "June Style," for 50 or more multipliers. In fact, only one station, WA8OGS, had the required 30 multipliers on 6 to make the minimum of 30 for the multiplier listings. Two meters supplied enough action to make numbers of multipliers, from the teens and low twenties to the contest-high total of 27 by K1WHS, an attainable goal.

Okay, so the band conditions won't cooperate and competition is the name of the game in vhf contesting. No one, at least not serious competitors, likes to stagnate, if you will, or even worse, regress, with respect to total score from year to year, regardless of fluctuating band conditions. An increased score should be the end result of improved operating techniques and improved station capabilities. True, participation in the latest running of the September VHF QSO Party was up to 343 entries from the 223 reported in 1976, an increase of about 54 percent. This increase in participation, although helpful, does not in itself account for the average score increases noted among stations in the Top Ten. A participant making the single-operator, Top-Ten listings had to post an average score increase of 5162 points or 25 percent over the scores of the Top Ten in 1976. The scores of multioperator stations rose an average of 4383 points or 14 percent over those in the same category a year ago.

Propagation variations aside and assuming that average score increases are not due solely to an increased number of participants, how then do we account for the steadily increasing scores?

A look at the multipliers-per-band statistics for the 220-MHz-and-above portion sheds some light on the question (increased activity on 220 MHz and above).

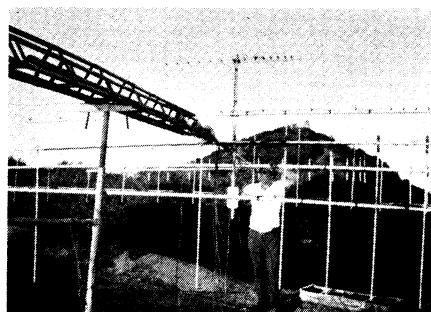
The number of stations making the multiplier box with at least the 220-MHz minimums rose 51 percent over the 1976 tally. Even though the minimum required to make the 432 listing was raised from three to five multipliers, 24 percent more participants were able to make the minimum number in 1977 than in 1976. These totals indicate that there were plenty of multipliers to be had on 432. And they were not just in the areas of greater population and sectional density such as the East and West Coasts although W2SZ/1 and W3HQT led the field with 22 sections apiece on 432, but also in the Midwest and Southwest as evidenced by stations K0DAS, W9OII and K5SW. They had seven, nine and five sections, respectively, on 432 MHz.

Working even one or two sections on 1296 MHz also paid off handsomely with extra multipliers and a corresponding increase in total score. Twenty-nine stations managed to at least make the minimum of one QSO on 1296. This is an increase of 13 stations or 81 percent over the 1976 number. While the W2SZ/1 multiplier total of eight on 1296 took top honors in the contest, 20 of the 29 stations meeting the band minimum for the multiplier listing were able to exceed the one-multiplier plateau. Operating 1296 exclusively, K6ZMW, who managed a record 250-mile, 1296 QSO with N6NB

during the contest, comments on the superb 1296 conditions on the West Coast and offers a list of three deficiencies that he considers the greatest hindrance to successful 1296 contest QSOs: "low output power (less than five watts), inability to direct (steer) antennas, and insufficient receiver sensitivity."

When 6 and 2 meters have yielded the last possible multiplier, more and more vhf contestants are looking to 220 MHz and above to augment their multiplier totals and are enjoying the bonus of an increased point per QSO ratio as well.

The 1977 September VHF QSO Party, Top-Ten, single-operator list shows five stations that held similar positions in 1976. N6NB (K6YNB) for the third year in a row, heads the single-operator listing. Wayne's arsenal of aerials includes a five-element Yagi on 6 meters, an eight-element quagi on 2 meters, an eight-element quagi on 220 MHz, a 15-element quagi on 432, and a 16T helix for 1296. Steve, K1FO (WA1FFO), the number two single operator, gave N6NB a run for the top spot as is indicated in the less-than-900-point spread between the two scores. K1FO's antennas are all of the Yagi configuration: four elements on 50 MHz, 48 elements on 144 MHz, 11 elements on 220 MHz, and 52 elements on 432. Other "repeaters" to the Top Ten, single-operator leaders are K1MNS, who nearly



WA6JUD/6 checks the hardware. At the operating position, Carl came up with 586 QSOs and 35 sections to become the top-scoring, single operator in the East Bay Section, place number three nationally, and set a new single-operator record in the Pacific Division.

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**Division Leaders**

<b>Single Op</b>	<b>Division</b>	<b>Multi-Op</b>
W3HUM	Atlantic	K3LZ
N9SS/9	Central	W9CSF/9
K0OK	Dakota	W0RGU
WB4JGG	Delta	W4BFB/4
WB8IGY	Great Lakes	W8VP
WB2BUR	Hudson	WA2SNA
K0TLM	Midwest	W0QOA/0
K1FO	New England	W2SZ/1
WA7TDU	Northwestern	W7LYE/7
WA6JUD/6	Pacific	W6YKM
WA4GPM	Roanoke	K3LNZ/8
WB0VGC	Rocky Mtn.	
WA4NJP	Southeastern	W4VO
N6NB/6	Southwestern	K6MEP/6
WB5FCR	West Gulf	K5SW
VE3QON	Canadian	VE3FHK

**All-Time Division Leaders**

<b>Single Operator</b>			<b>Division</b>	<b>Multi-Operator</b>		
<b>Call</b>	<b>Score</b>	<b>Year</b>		<b>Call</b>	<b>Score</b>	<b>Year</b>
K3IPM	24,596	69	Atlantic	W3JZY/3	43,080	62
N9SS/9	11,220	77	Central	K9HMB	29,820	72
K0OK	1365	77	Dakota	W0RGU	1700	77
WB4JGG	5070	77	Delta	W4BFB/4	33,436	77
K8III	13,900	76	Great Lakes	WA4PLZ	44,019	73
K2OWR	32,720	73	Hudson	WA2SNA	66,447	76
K0MST	4216	72	Midwest	W0LB	1290	66
K1FO	31,688	77	New England	WA1MUG	132,396	74
WA6JUD/7	4056	76	Northwestern	WA7NAN	8759	75
WA6JUD/6	24,640	77	Pacific	K6GSS/6	25,080	76
K4PCL/4	12,838	72	Roanoke	WA8PLZ/8	65,700	70
W0EVZ	546	64	Rocky Mtn.	W0DK/0	1080	64
WA4NJP	5508	77	Southeastern	W4VO	10,440	77
K6YNB/6	34,013	76	Southwestern	K6MEP/6	13,748	77
K5WVX	4900	72	West Gulf	K5WVX	5181	73
VE3ASO	18,816	73	Canadian	VE3ONT	43,413	74

doubled his 1976 score to move from eighth to fourth place; W3HMU, who bettered his own 1976 score by almost 2k points, and K6KLY, who posted an almost 3000-point increase.

The multioperator standings in the Top Ten also took a little rearranging. The W2SZ/1 group added almost 36k points to their 1976 effort and moved to the number one spot from a third-place finish in 1976. W1XM (the W1MX operation with a new call) doubled their 1976 point total and made an upward jump of four positions in moving from 10th to sixth place. The operators at W4BFB/4 tallied a 7k-point gain over their 1976 outing to retain fourth position. WA2SNA, in second place, rounds out the list of stations that retained Top-Ten honors from a year ago.

No fewer than 10 new all-time division records, six single operator and four of

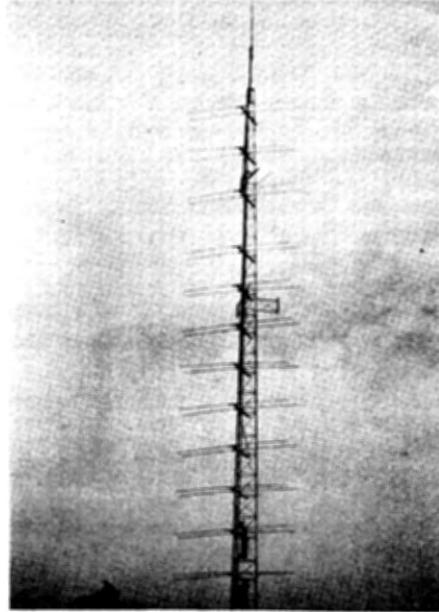
the multioperator variety, were set. Three divisions (Dakota, Delta and Southeastern) all boast new records in both the single-operator and multioperator categories. Single operators setting new marks were led by N9SS/9, who added 400 points to the eight-year-old record in the Central Division. K0OK now has the score to beat in the Dakota Division. WB4JGG increased his own five-year-old record in the Delta Division by 2k points. K1FO bettered the WA1NGR 1974 record by 9000 points to take command of the New England Division. WA6JUD/6 topped the one-year-old previous best in the Pacific Division by over 11k points. Carl is the only operator who now holds two single-operator division records simultaneously, thanks to his portable operation in the Northwestern Division's Oregon Section in 1976. WA4NJP added nearly 1000

points to his own five-year-old record in the Southeastern Division.

Multioperator records were set in four divisions. W0RGU bettered the old record in the Dakota Division by nearly 600 percent. W4BFB/4 increased their 1976 score by almost 7k points to retain possession of the Delta Division record. W4VO came up with a 73 percent score increase to best their 1976 record in the Southeastern Division. The K6MEP/6 group now holds the Southwestern Division multiop record by posting a 4k-plus point increase over the previous three-year-old division record.

VHF Sweepstakes time is almost upon us. A new scoring structure which rewards operation in the 220-MHz-and-above bands, (outlined in December, 1977, *QST*) should make the contest a bit more interesting.

Be sure to watch upcoming issues of



On the left is Steve, WA3RKM, and on the right is Vince, K2NE, operators of the W3AD multiop entry from Eastern Pennsylvania. The antenna in the photo on the right is a 48-element, horizontally polarized, collinear curtain for 6 meters, built by Steve and Vince. It was used to full advantage as evidenced by the 27 multipliers that they were able to work on 6 meters.

**Multipliers Per Band**

<i>Min. Sections</i>	<i>30</i>	<i>15</i>	<i>4</i>	<i>5</i>	<i>1</i>							
<i>MHz</i>	<i>50</i>	<i>144</i>	<i>220</i>	<i>432</i>	<i>1215</i>							
K1FO	20	22	11	15		W2BLV	16	6	WA4SBC	9	9	
WB1DNM		19	4			W3CXU/2	18		W4FS	1	8	
K1ZZ	12			11		K2BWR	20	8	K4LHB		7	
W1FB		18				WB2CUD	4	4	K5SW	17	5	
W1FAJ	12	6				K2YCO	13	10	WA6JUD/6	13	6	
W1XX	13	15	3	2		K2LZF	9	7	K6IBY		6	
K1KG	11	16	6	6		K2NV	4	3	N6NB	11	9	
WA5IOD/1	12	10	5	4		K2GK	23		W6OAL	4	1	
N1HR		16				W2WGL	15		K6MEP/6	8	5	
K1GVM		16				W2GV		6	K6TZ/6	7	1	
W1GXT		12	7			W2CNS/2	21	7	K6KLY	12	7	
N1CW	10		5			K2LWR	19	11	WA6HCl	9	6	
W1JOT		1		2	2	WA2ZJF	17	5	WA6GYD	7	8	
W1XM	23	20	10	13		K2LDU	11	1	K6FV	8	2	
WA1UHA	13	18	6	15		W3BDP	15		K7CAD/6	9	6	
K1WHS		27	5	14		W3HMu	17	7	WB6NMJ	9	4	
K1MNS	21	20	5	12		WA3AXV	18	6	W6NWE	4	5	
W1EJ	24	16	5	9	3	WA3JUF	21	10	N6HZ	7	5	
WA1OUB	24	21		5		W4MIL/3	20	12	WB6NUX	6	3	
W1FMF	14	13	4	5		K3MWV	19	2	K6JKQ	3	9	
WA1FSZ	16	11		8		WA3YUE	11	8	K6ZMW		5	
WA1TZV		16	2	13		W3HQT		22	W6YKM	14	6	
W1SL		21				WB2RBG/3	3		W8IDU	23	5	
W1JSM		17				K3IWK	10	1	WB8IGY	27	5	
W1UHE	12	2		10		W3ARW	16		K8UQA		17	
W2SZ/1	28	21	14	22	8	K3LZ	21	4	WA8OGS	30	11	
K2SHB	15	12		11		W3AD	27	3	W8VP	16	16	
K2CBA	22	14	8	18	2	W3TMZ	22		N8II		6	
WB2TCC		18		14		K3HKK	18		W8AEC	4	10	
K2OVS	12	15				W3GNR/3	10	22	K3LNZ/8	14	5	
K2RIW				19		WB4NMA	15		K9ZGT	17	10	
K2LIO		21				W4WDH	9	5	WB9SNR/9		8	
W2HI		16				W4ISS	4	7	W9OII		7	
WA2SLY		15				W4VO	24	6	WA9LZM	11	1	
WA2MJK		4	4			WA4IPI	8	7	K0DAS		7	
WB2BUR	6	18		6		K4EJQ	9	12	WB0SBG	2	6	
W2VC			20	5		WB4IXU	10	5	K0TLM	9	5	
WB2CUT		18				WA4ZIA	7	2	VE2DF0	19	21	
WA2ZZF				15	3	W4CQ/4	7	6	VE3BQN	10	8	
W2AQI		17				WA4WZQ/4	11	2	VE3DJE		1	
WA2SNA	22	17	9	18	6	K1FJM/4	8	8	VE3FGU		15	
K2XR	27	23	15	18		WA4LDU	11	5	VE3FN		20	
W2EIF	11	15	8	13	3	W4BFB/4	25	3	VE3DSS	2	17	
WA2KOK	19	11	2	8		WA4GPM	16	10				

**QST** for announcements of the new UHF and EME Contests.

**Feedback**

In the results of the 1976 September VHF QSO Party, January, 1977, **QST** (pages 81-84), the following corrections should be noted: In the Los Angeles Section, the call W6GVV should be W6GGV. In the All-Time Division Leaders Box, WA1NGR should be listed as the single-operator record-holder for the New England Division with a score of 22,176 in 1974.


**Top Ten**

<i>Single Op</i>	<i>Multi-Op</i>
N6NB/6	32,535
K1FO	31,688
WA6JUD/6	24,640
K1MNS	21,700
W3HMu	19,500
K6KLY	16,095
W1EJ	15,732
WA3AXV	15,317
WA1OUB	14,100
WA3JUF	11,900
W2SZ/1	85,932
WA2SNA	62,424
K2XR	60,922
W4BFB/4	33,436
K3LZ	25,194
W3AD	24,288
W2CNS/2	18,700
W3AD	18,360
W6YKM	15,756



The WB2SIH/VE1 expedition to Yarmouth NS. The photos show: entering customs at Yarmouth, WA2OMT operating the 6-meter station, and WB2SIH on the 2-meter tower.

Scores are listed in order, single-operator stations first within each section. From left to right: call, score, number of QSOs, number of multipliers, bands operated (A-50 MHz, B-144 MHz, C-220 MHz, D-420 MHz, E-1215 MHz, F-2304 MHz, G-3308 MHz, H-5 GHz, I-10 GHz).

<b>U.S.A.</b>	WA2SNA/P KJ2WIM,WB2As DTJ HLE PJV UPK,WB2s ARS JCP LHG LPX QQQ UXA,ops.) 62,424-704-72-ABCD K2XR(+K20WR,WB2WI) 60,922-631-83-ABCD	<b>Kentucky</b> WA4PI/P 1035- 55-15-BD WA4WYX 130- 65- 2-B WA4SMU 1- 1- 1-B K4EJQ(+WA4Cs CBX KJH OEM QYK,WB4AGQ) 4080-105-30-ABCD	<b>K6T7Z/W6EM5,WAs6s ATE MBZ</b> QZK RGJ SHC ZYG,WB6s CWE HOZ IBO OUZ TUD WZU, WB9KMO,ops.) 9340-358-20-ABCD	WA9AHZ 1738-158-11-AB WB9WYA 238- 47- 5-B WB9NBA 204- 51- 4-B K9QR 180- 26- 6-BD 91V1 156- 26- 3-B 91FA 157- 1- 3-ABD WA9CWY(+K9CHz,WB9QPY) 3025-121-25-AB	
<b>Connecticut</b>	<b>K1FO</b> 31- 688-392-68-ABCD <b>WB1DNM</b> 3082-129-23-BC <b>K1ZZ</b> 19-32- 58-23-AD <b>WF1FB</b> 1530- 85-18-BC <b>K1DKB</b> 1106- 79-14-AB <b>K1ZKR</b> 975- 75-33-AB <b>WB1AU</b> 91- 10- 1-AB <b>W1WHL</b> 689- 63-13-A <b>K1LVM</b> 682- 62-11-B <b>WA1ZNT</b> 671- 61-11-B <b>W1JJA</b> 570- 57-10-B <b>WA1GTP</b> 336- 24-14-AB <b>WB1R</b> 105- 15- 7-AB <b>K1BKO</b> 63- 21- 3-B <b>W1BL</b> 63- 21- 3-B <b>W1XXI(+K1s HTV RT,W1s GNC</b> <b>JA JKS OD RM,WA1VGP,WB1ALW)</b> 9306-272-33-ABCD	<b>Southern New Jersey</b> W2E/F 11,550-167-50-ABCDE WA2KOK 6000-142-50-BCD WB2YEH 1094-120-50-BCD WB2SLV 1518- 61-22-BD W3CXU/2 1206- 67-18-B W2HXB 168- 16- 8-BD K2BWR(+K2ZRJ) 9185-137-55-ABCD WB2CUD(+WB2HWF) 3480-155-20-ABC	<b>North Carolina</b> N4SM 2553-111-23-AB WB1XU 1192- 78-21-ABD WA4ZIA 1393- 74-15-BCD WB4LDP 408- 34-12-AB WB4HFL 92- 23- 4-AB K4JYS 48- 16- 3-A WA4CQ/4(GBNF,WA4Es JUN TJ UNZ WBV ZBZ,WB4Bs BSC BUK ETW MCI Q10,WA4Es BECP,XP, ops.) 7682-334-18-ABCD WA4WZQ/4(WA4Es AYS WZP, WB4UDS,WD4BU) 5887-185-29-ABCD W4M0E(WA4AW,WB4YL,SD4 AAM QAQ,ops.) 5820-336-15-ABC	<b>K6KLJ</b> 16,095-347-37-ABCDE WA6HIC/1 10,050-284-30-ABCD WA6GYD 7347-177-31-ABCD K6FVY 34545-202-13-25-ABCD K7ADZ/6 202- 13- 25-ABCD K6QAX 1920- 91-20-ABC N6RZ 981-109- 9-B K6BJ(K6BDK,WB4WSV,WB6SQO ops.) 528- 66- 8-AB	
<b>Eastern Massachusetts</b>	<b>K1FKW(+WA1s K7V YH2)</b> 46- 71- 1-AB <b>K1MUJ(WA1s GBA,HN9,ops.)</b> 3003-143-21-AB	<b>Western New York</b> K2YCO 7546-128-49-ABCDE K2LZF 3400- 78-34-ABCD K2NV 2553-106-23-ABD K2GK 2208- 96-23-B WB2ELB 848- 49-16-ABD WB2GL 420- 11-16-ABD W2GIV 156- 13- 6-D W2CNs/2(+WB2V,WA2s VCM ZKD,WB2s HNL KAO KYQ) 18,700-356-50-ABD K2LWR(+K2LGJ) 15,714-266-54-ABD W2OW(WA2s IKO RJB SGSWYQ, ops.) 6578-188-36-AB WA2ZJF(K2s IJ JJI R1,W WA2s MYU RQC,WB2s FBYP MYZ, ops.) 6541-203-31-ABD WB2BG1(+WA2s CJT,WB2s KLD ORX) 2553-111-23-AB WB2YIK(+WA2s VD YFB,WB2s GPR RRK) 2032-127-16-AB	<b>North Carolina</b> K1FJM/4(+2U1YH,WB2HHH) 1843- 66-19-BDE N4VD(+WA4GBE) 1365- 62-21-ABD WB4CCL(+WA4FKL,WB4WOR, WD4RJS) 651- 85- 7-ABC	<b>K6QCL</b> 1050-284-30-ABCD WB6FTW/6 130- 26- 5-B WA4MMP/6 128- 18- 5-B WA6CCE 54- 21- 4-B W6NWW(+WA6s DNI KGR PNY TAW WB6 BS) 5820-336-15-ABC	<b>Indiana</b> WB9PCP 3486-166-21-AB WB9PXW 2414-142-17-AB WA9PK9 988- 52-19-AB WB9YAI 984- 82-12-AB WB9PZL 980- 50-12-AB K9RSF 504- 42-12-AB K9SLQ 351- 39- 9-B WB9CGI 256- 32- 8-B WB9CSF/9(K9s DZE ET TTX URA WB9BRF WA9 MSW,WB9s COD WNU WD9 BD9,ops.) 5271-238-21-ABC
<b>Maine</b>	<b>K1KG</b> 7527-165-39-ABCD WA5IOD/1 4309-119-31-ABCD NI1HR 2704-169-16-B K1GVM 1616-101-16-B W1CRL 1449- 64-21-ABD W1GXT 1444- 62-19-BC NI1CW/1 1020- 57-15-AC W1JOT 140- 13- 5-BDE W1XM(W1XG,K1JH,W1ARJX, WA4TTG,ops.) 24,288-312-66-ABCD WA1UHA(+W1JR) 13,475-183-55-ABCD	<b>Northern Florida</b> K2LNU 2369-103-23-AB K2LDU(+WA2YRL) 2352- 69-28-ABCD W2DUC/2(+WB2DPT) 576- 48-12-AB	<b>K6KQK</b> 1120- 37-20-ABCE K6ZMW 225- 15- 5-E W6YKM(+K6LXO) 15,756-324-39-ABCD	<b>Wisconsin</b> WB9QH 2109- 94-19-ED WB9SUJ 105- 79-19-AB WB9QVK 1026-104- 9-AB WB9ROE 1020- 60-17-AB WB9LZM 992- 58-16-ABEF WB9NHE 869- 79-11-B K9DID 630- 62-19-ABD WB9JYD 630- 82-18-AB WB91DU(+W9W,WB9YHB) 1230-103-12-AB	
<b>New Hampshire</b>	<b>K1JMS</b> 21,700-297-62-ABCD W1EJ 15,732-234-57-ABCD WA1OUB	<b>Delaware</b> W3BD 1110- 74-15-B W3CGV 753- 21-11-ABD	<b>South Carolina</b> K4GMJ 1206- 67-18-AB K4GL 992- 52-16-ABC N4JK/4(+K4LQ,WB4s NBK TMT WJQ,WD4s BUH BUK) 2032-127-16-AB	<b>San Joaquin Valley</b> WB7QY/7 24- 24- 1-B	<b>#</b>
<b>Rhode Island</b>	<b>K1COW/1</b> 2852-113-23-ABD W1UHE 1752- 51-24-ABD K1CIC 1680-105-16-AB W1BAT(K8BGZ,opr.) 1008- 72-14-B	<b>Eastern Pennsylvania</b> W3HMU 19,500-221-65-ABCD WA3AXV 15,317-249-53-ABD WA3JUP 11,500-170-20-BCDE W4ML3/2 9090-172-47-ABD K3MWV 6109-131-47-ABCD W3IT 5278-182-29-AB WA3YUE 4410-124-30-ABD W3HGT 3562- 64-26-DE WB2RBG/3 3550-142-25-AB K3IWK 312- 64-26-ABD W3MKM 1311- 54-15-ABC WB3ABH 1190- 85-14-B W3AJF 784- 48-14-ABC W3ARW 665- 32-19-BC WB3FTD 138- 46- 3-B WB3LW 123- 25- 5-B K3LZ(WA3s KPP LBI TUL WAK, WB3 BND,ops.) 25,194-371-57-ABCD W3AD(12 ops.)	<b>Tennessee</b> WB4JGG 5070-1-30-39-AB WA4DLU 2574- 88-26-ABDE WB4FB/4(K4s BF WB5s CEB LVV PDY SLC,WB4s VCC ICN,WB4s BQC JXG LT4 NDA PCS YFC TLX,WD4BZ,ops.) 33,436-608-52-ABCD	<b>Idaho</b> WB7SDA/7 92- 23- 4-B K7MMI(+WA7YLZ,WB7CSP) 648- 81- 8-AB	<b>Colorado</b> WB9VGC 99- 33- 3-AB WB9BQ9 10- 10- 1-A
<b>Vermont</b>	<b>W1AIM</b> 1220- 61-20-AB K1LPS/1 1152- 72-16-A WB1BZR/1 1- 1- 1-B WB1CNE(+WB1BZR) 111- 37- 3-B	<b>Virginia</b> WA4GPM 7912-151-46-ABD WA4BSC 1782- 80-18-ABD WB4FQR 1360- 13-17-AB K4AF 323- 41-13-AB K4EVH 490- 65- 7-B WB4YRB/M4 480- 32-12-BD W4FS 351- 20- 9-BD K4LHB 224- 16- 7-C WA4QYP 190- 38- 5-AB K4AF(WA4R,ops.) 185- 37- 5-B WA4NXM(+WB4RDT) 4327-160-27-ABD	<b>K7FSI(+WB7DZD)</b> 600- 20-10-ABD WA7UBC/7(*WB7YEW) 52- 26- 2-B	<b>Kansas</b> WB9WAO 1003- 55-17-ABD WB9BRE 288- 24-12-AB WB9BRET 207- 23- 9-AB WB9QOA/9(+K9OB,WB9s QDK) 600- 60-10-B	
<b>Western Massachusetts</b>	<b>W1A1Q</b> 451- 41-11-AB WA1YIN 270- 30- 9-AB W2S2Z/1(K1D1,WB1UJ,WB1CBH, K2TR,WB2s DTH FKS GFP SPL UKJ WB2s BXP CJS DCH GSK PW QCJ,WB1YLC,N4CD,WB1USA, ops.) 85,932-777-93-ABCD W1YK(K1R1,WA1s TUH UXA VUR,ops.) 671- 61-11-B WA1WRM(+WA1WRK) 280- 28-10-AB WA1PQY/1(+WA1s TAK YOJ) 150- 30- 5-B	<b>Maryland-D.C.</b> W3TMZ 10,332-190-42-BD K3HCE 5049-181-29-AB WB3AZH 1744-109-16-AB W3HQX 1012- 92-11-B W3IK 902- 82-11-B WA3INZ 760- 60-13-B W3JPT 750- 60-14-AB W4NVW/3 549- 54- 9-ABC WB3CH3 488- 61- 8-B W3PGA(K3s FRX PHH ROJ YZY, W3TRD,WA3s FHV HZJ LAW OTZ UN,WB3s TGS PHT DUU, ops.) 6066-143-38-ABCD W3EAX(N1QgQWASs W5D W5D YTP,WB3s DDF EJ EMQ HUP ops.) 1377- 72-17-ABC	<b>Arkansas</b> K7ICW 481- 37-13-AB K7NV 49- 7- 7-A	<b>Minnesota</b> K9OK 1365- 91-15-AB WB9RQG(+WBDAH,WB9s QWY, WB9s RSS RS9 RVQ UIP) 1700- 85-20-ABD	
<b>2</b>	<b>Eastern New York</b> K2SHB 7144-16-30-ABD WA2FUZ/2 5049-149-33-ABD W2A2X 1444- 59-19-ABCD K2CBW(+WB2KHQ,WB2s VAH PWV, WB2BYP,WB2BMZ) 18,752-227-64-ABCD WA2FPG(+WA2s FPF OQN,WB2s FPC FPL MCO) 1615- 85-19-AB	<b>Western Pennsylvania</b> W3ZR 1691- 89-19-AB W3KJM 120- 20- 6-A K3HKK(K3s CM RBH TRV, W3PD,WB3s IFC LMW,WB3s AEI HKL HKU,ops.) 7236-201-36-AB W3GNR/3(+K3TFD,ZDR,WA3s BUX DDA,WB3s DTR) 4800-150-32-AB WB8RDY/3(+WB8YDP) 684- 57-12-AB	<b>Louisiana</b> W5UUD 418- 38-11-A W5LB 224- 31- 7-BD K4CHE/5 98- 12- 7-ABD WA5UFH 72- 18- 4-A	<b>Oregon</b> WA7TDU 798- 55-14-ABD K7HSJ 154- 19- 7-ABCD W7ER 224- 26- 5-AB K7ZCB 12- 6- 2-A WA7ECY/7(+K7ZCB) 368- 39- 8-ABCD	<b>Missouri</b> WB7ONP 62- 30- 2-ABD
<b>5</b>	<b>Arkansas</b> W85JAR 54- 9- 6-A	<b>Mississippi</b> W5UYC 120- 24- 5-B	<b>Utah</b> K7TDM 714- 97- 7-ABD W7DZ 65- 13- 5-AB W7ER 13- 13- 1-B W7LYE/7(K7s KOT ND WTG, N7NW,WA7NAN,ops.) 7011-326-19-ABCD	<b>Nebraska</b> WB7MR 312- 26-12-A WB9BDF 76- 16- 4-BD K9JBL(+WA9FPB) 30- 15- 2-B	
<b>Western Massachusetts</b>	<b>W1A1Q</b> 451- 41-11-AB WA1YIN 270- 30- 9-AB W2S2Z/1(K1D1,WB1UJ,WB1CBH, K2TR,WB2s DTH FKS GFP SPL UKJ WB2s BXP CJS DCH GSK PW QCJ,WB1YLC,N4CD,WB1USA, ops.) 85,932-777-93-ABCD W1YK(K1R1,WA1s TUH UXA VUR,ops.) 671- 61-11-B WA1WRM(+WA1WRK) 280- 28-10-AB WA1PQY/1(+WA1s TAK YOJ) 150- 30- 5-B	<b>Washington</b> WB5JAR 54- 9- 6-A	<b>Michigan</b> WB5FCR 210- 30- 7-A WB5ZS(+WB5NGB,WB5VY) 3733-129-25-ABD WB5ROR/5(+WB5s TNC TZM) 252- 42- 6-B	<b>Quebec</b> WB9CRM 312- 26-12-A WB9BDF 76- 16- 4-BD K9JBL(+WA9FPB) 30- 15- 2-B	
<b>6</b>	<b>Arkansas</b> W5AF 26- 13- 2-B K5LZO(+WB5s CZF GNP) 1694-116-14-ABD	<b>Mississippi</b> W5UYC 120- 24- 5-B	<b>North Dakota</b> WB9CSL 144- 16- 9-AB WB9RIB(+WB5s GPW UOR) 240- 30- 8-AB	<b>Maritime-Newfoundland</b> WB2SIH/VE1(+K2YRZ, WA2OMT,WB2DST) 990- 52-18-ABD	
<b>7</b>	<b>Alabama</b> WA4CQG 588- 39-13-AB WA8KLH/4 468- 39-12-AB WB4WXY/4(+WA4YMX,WB4YR) 1134- 63-18-AB WD4ILV(+WD4s BXT HIB, WA5WUX) 390- 39-10-AB	<b>Southern Texas</b> WA4PAJ 1017-112- 9-ABC WB6PC(WA6HXD,WB6YVP, ops.) 5060-253-20-AB	<b>Ohio</b> WB8BGY 5562-201-27-ABD W81DU 3224-104-31-BCD WBDBD 744- 62-12-AB WB8F 684- 57-12-B WB8FLX 201- 24- 5-B WB8UWX 91- 33- 7-B WA8EQY 68- 34- 2-B WB8YDQ/8(WA8s WQ YUZ, WB8s JPX KMU,ops.) 1008- 68-14-ABD	<b>Ontario</b> VE2DFO 5720-143-40-AB VE2KWP 203- 29- 7-AB VE2BBK 100- 17- 5-BD	
<b>8</b>	<b>Alabama</b> WA4CQG 588- 39-13-AB WA8KLH/4 468- 39-12-AB WB4WXY/4(+WA4YMX,WB4YR) 1134- 63-18-AB WD4ILV(+WD4s BXT HIB, WA5WUX) 390- 39-10-AB	<b>Mississippi</b> WA6JUD/6 24,640-586-35-ABCD N6OX 864- 72-12-AB WA6VEF 368- 92- 4-B	<b>Michigan</b> WB8BGY 11,319-222-49-ABD WA8OGS 7813-193-41-AB K8UQG 1836- 54-17-D K8DIO 885- 55-15-ABD WB8G5X 495- 55- 9-A WA8TLZ 468- 45- 9-BD WD8ODD 320- 40- 8-A WB8IRN 1481- 35- 6-B WB8DMM 54- 34- 3-B WB8VPS/8(WB8s LWB,WB8s ERB ONY SXT TSJ,WB8s AHV AK1 KTK LVJ,ops.) 7755-233-33-ABD	<b>Quebec</b> VE2DFO 5720-143-40-AB VE2KWP 203- 29- 7-AB VE2BBK 100- 17- 5-BD	
<b>9</b>	<b>Alabama</b> WA4CQG 588- 39-13-AB WA8KLH/4 468- 39-12-AB WB4WXY/4(+WA4YMX,WB4YR) 1134- 63-18-AB WD4ILV(+WD4s BXT HIB, WA5WUX) 390- 39-10-AB	<b>Los Angeles</b> WA6PAJ 1017-112- 9-ABC WB6PC(WA6HXD,WB6YVP, ops.) 5060-253-20-AB	<b>West Virginia</b> WB8HJC(WB8s GEU GEW GEX GEY GFA,ops.) 1008- 68-14-ABD	<b>British Columbia</b> G3PPE/VE7 8- 4- 2-A	
<b>10</b>	<b>Georgia</b> WA4NJP 5508-153-36-AB WB4NMA 1500-100-15-B WB4WDH 1036- 63-14-BD WB4ISS 780- 36-15-ABD WA4SJI 15- 5- 3-A WB4VO(K4CKS,WB4s IBI KPU, WB4AEG,ops.) 10,440-249-40-ABD WD4AL4(WA4M0DB,WD4s ACZ IIS IMH) 765- 85- 9-AB	<b>Santa Barbara</b> WA6PAJ 1017-112- 9-ABC WB6PC(WA6HXD,WB6YVP, ops.) 5060-253-20-AB	<b>Illinois</b> N6NB/6 32,535-600-45-ABCD W6OAL 468- 32-12-ABCD K6NBP/6(WB4s VMN XQ,WB4s CJ5 L2I PBB TWP,WB6EDA, N6MA,ops.) 13,748-419-28-ABCD	<b>DY</b>	
<b>11</b>	<b>Northern New Jersey</b> WB2BUR 8460-264-30-ABD W2VC 3350-63-25-DE WB2CWT 2970-165-18-B WA2ZZF 18,752-227-64-ABCD WA2FPG(+WA2s FPF OQN,WB2s FPC FPL MCO) 1615- 20-11-B	<b>Southern New Jersey</b> WA2SNA/P KJ2WIM,WB2As DTJ HLE PJV UPK,WB2s ARS JCP LHG LPX QQQ UXA,ops.) 62,424-704-72-ABCD K2XR(+K20WR,WB2WI) 60,922-631-83-ABCD	<b>West Virginia</b> N6N9/1 11,220-247-44-ABD K9ZGT 5130-161-27-AB WB9QSE 2416-151-16-AB WB9QUB 1806-122-14-ABD WB9SNR/9 1785- 86-17-ABD	<b>Federal Republic of Germany</b> DK1FGA 1- 1- 1-B	
<b>Check Logs</b>	<b>W1AY, W2PAU</b>	<b>Disqualifications:</b> The following have been disqualified from the 1977 September VHF QSO Party per the criteria described on page 85 of <b>QST</b> for January, 1977.	<b>Illinois</b> WB9AHZ 1738-158-11-AB WB9WYA 238- 47- 5-B WB9NBA 204- 51- 4-B K9QR 180- 26- 6-BD 91V1 156- 26- 3-B 91FA 157- 1- 3-ABD WA9CWY(+K9CHz,WB9QPY) 3025-121-25-AB	<b>Check Logs</b> W1AY, W2PAU	
<b>12</b>	<b>WB1I</b>	<b>Disqualifications:</b> The following have been disqualified from the 1977 September VHF QSO Party per the criteria described on page 85 of <b>QST</b> for January, 1977.	<b>Illinois</b> WB9AHZ 1738-158-11-AB WB9WYA 238- 47- 5-B WB9NBA 204- 51- 4-B K9QR 180- 26- 6-BD 91V1 156- 26- 3-B 91FA 157- 1- 3-ABD WA9CWY(+K9CHz,WB9QPY) 3025-121-25-AB	<b>WB1I</b>	