

# September 2000 VHF QSO Party Results

Everyone has a favorite season of the year. Some prefer to frolic in the crashing waves and warmth under the summer sun. Others find no greater pleasure than to swoosh down hillsides on snowboards or skis in the cold of winter. Most enthusiasts of gardening will probably tell you their favorite time of year is spring, when new life peeks from beneath the soil, bringing a sense of rebirth.

But for sheer beauty and a pleasant ex-

perience, it is hard to top fall. While the countryside is turned into a vivid palette of reds, yellows and gold, the possibility of finding a great VHF/UHF band opening increases. The prospect of broad, regional tropospheric openings during the early fall tempt the VHF/UHFer. The ARRL September VHF QSO Party is an excellent opportunity to experiment with new bands, equipment and operating locations.

In the 2000 ARRL September VHF

QSO Party, 582 entries were received representing a total of 894 participants. A total of 269 entries were received for the debut of the Single Operator Low Power Category, while 148 entries came from Single Operator High Power participants. Rover entries accounted for 11.2% of the total, which reflected a slight increase in Rover participants from 1999.

Record setting performances are always a contest highlight. In the year 2000 contest, with the separation of the Single

## Top Ten

Single Operator Low Power	Single Operator High Power	QRP Portable	Multioperator	Limited Multioperator	Rover
K2DRH 137,200	K1TEO 385,264	N8XA 12,765	W2SZ/1 1,883,211	K3MQH 545,523	ND3F 311,940
W0UC 84,870	N2BJ 183,274	N9MYK 6,622	K8GP 1,599,325	K3YTL 424,490	N1MJD 137,250
AF1T 68,561	KE8FD 182,016	WB2AMU 3,010	K1WHS 466,944	W4IY 334,170	ND2X 123,074
K4TO 66,836	W4RX 172,172	KQ6EE 1,972	N2PA 244,080	NC1I 324,445	WB9SNR 101,008
K8MR 55,440	K1UHF 162,024	W1KMH 1,850	W4NH 163,418	N2HLT 237,106	N2JMH 76,035
K1JT 44,631	K3DNE 149,450	N7IR 1,003	N0UK 121,260	AA4ZZ 231,768	N6DN 64,530
KA9WBT 43,392	K2SMN 140,995	K6NT 966	N8KOL 93,015	N6RMJ 150,914	N2GKM 52,074
K5MA 38,900	WB9Z 140,994	W3PO 826	K3EOD 41,735	N2NK 135,864	AL1VE 46,330
N2SCJ 35,400	K8TQK 138,846	W9SZ 672	W6TOI 34,162	W9ICE 135,828	VE3OIL 46,260
W4EUH 34,804	K4QI 131,026	KK7AT 650	WA3ZKR 31,284	WB1GQR 127,421	N2MH 42,444

## Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)

AF1T	68,561	A
K1JT	44,631	A
K5MA	38,900	A
N2SCJ	35,400	A
W1PM	34,362	A

K1TEO	385,264	B
K1UHF	162,024	B
K3DNE	149,450	B
K2SMN	140,995	B
K1GX	113,971	B

WB2AMU	3,010	Q
W1KMH	1,850	Q
W3PO	826	Q
WA3GYW	588	Q
VE2PIJ	42	Q

W2SZ/1	1,883,211	M
K1WHS	466,944	M
N2PA	244,080	M
K3EOD	41,735	M
WA3ZKR	31,284	M

K3MQH	545,523	L
K3YTL	424,490	L
NC1I	324,445	L
N2HLT	237,106	L
N2NK	135,864	L

ND3F	311,940	R
N1MJD	137,250	R
N2JMH	76,035	R
N2GKM	52,074	R
N2MH	42,444	R

## Southeast Region (Delta, Roanoke and Southeastern Divisions)

W4EUH	34,804	A
AD4DG	22,940	A
KU4R	18,564	A
KD4HIK	15,225	A
AF4HX	10,412	A

W4RX	172,172	B
K4QI	131,026	B
K2UOP	99,946	B
N8XUR	30,272	B
KN4SM	28,747	B

KD4NOQ	40	Q
N3AWS	6	Q
KG4HYU	2	Q

K8GP	1,599,325	M
W4NH	163,418	M
K4HUM	27,540	M
KS4YT	13,984	M

W4IY	334,170	L
AA4ZZ	231,768	L
W4VHF	25,596	L
NG4C	19,578	L
K4SCS	9,882	L

W3IY	38,550	R
KB4NVD	36,369	R
K1RA	14,150	R
KC3WO	9,324	R
KS4S	672	R

## Central Region (Central and Great Lakes Divisions; Ontario Section)

K2DRH	137,200	A
W0UC	84,870	A
K4TO	66,836	A
K8MR	55,440	A
KA9WBT	43,392	A

N2BJ	183,274	B
KE8FD	182,016	B
WB9Z	140,994	B
K8TQK	138,846	B
K9QFL	103,373	B

N8XA	12,765	Q
N9MYK	6,622	Q
W9SZ	672	Q

N8KOL	93,015	M
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W9ICE	135,828	L
NI9E	76,383	L
N8ZM	61,020	L
K9TMS	24,864	L
K9BVB	20,331	L

WB9SNR	101,008	R
VE3OIL	46,260	R
K0PG	31,195	R
KB9WVL	27,378	R
AA4R	15,080	R

## Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)

N0PB	23,766	A
K0MHC	11,830	A
K0VSV	11,328	A
K0MQS	10,146	A
WA2HFI/0	8,928	A

KM0T	81,324	B
K5CM	56,356	B
W8CM	44,339	B
N0LL	29,928	B
N0KQY	24,250	B

N7QF	12	Q
KF0GX	12	Q

N0UK	121,260	M
KF0Q	20,175	M
K5IUA	16,170	M
KK5IH	9,504	M

N0QJM	51,504	L
W7SAO	10,207	L
N5XU	3,808	L
K0FFC	3,360	L
K0MFP	2,675	L

ND2X	123,074	R
N0DQS	13,769	R
W5HL	8,041	R
KB0QGT	7,832	R
NK5W	4,370	R

## West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)

N6MU	14,928	A
(at N6NB)		
K7CW	8,018	A
KE6GFI	7,830	A
WA7BJU	6,804	A
KF6ISR	6,251	A

K6TSK	43,212	B
N6AJ	30,720	B
W6KBX	28,490	B
KE7SW	22,933	B
N7EPD	21,440	B

KQ6EE	1,972	Q
N7IR	1,003	Q
K6NT	966	Q
KK7AT	650	Q
KA7EXM	442	Q

W6TOI	34,162	M
KF6KDC	27,576	M
K6TZ	4,960	M
W6DHN	4,148	M

N6RMJ	150,914	L
VA7ISL	21,300	L
K6OUE	13,662	L
KF6KDA	13,459	L
N7EY	9,945	L

N6DN	64,530	R
AL1VE	46,330	R
W7DHC	32,164	R
KF6GYM	31,137	R
K6FZZ	25,730	R

Operator category into Low and High power categories, new overall and divisional were as plentiful as the fall foliage (and the amount of raking we end up doing after the leaves fade and fall). All existing Single Operator records become the Single Operator High Power records.

Bob, K2DRH, has the honor of being the first person to hold the Single Operator Low Power category mark, (and Central Division record) with a score of 137,200 beating out Paul, W0UC, whose score was 84,870. The initial Division records were set by K1JT (Atlantic), K0MHC (Dakota), KU4R (Delta), K4TO

### Affiliated Club Competition Results

Club	Entries	Score
<b>Medium Club</b>		
Potomac Valley Radio Club	20	2,999,981
North East Weak Signal Group	13	1,161,969
Northern Lights Radio Society	19	376,120
Society of Midwest Contesters	9	335,498
Badger Contesters	14	332,840
Mt Airy VHF Radio Club	6	241,701
Rochester VHF Group	10	211,110
Yankee Clipper Contest Club	3	39,139
<b>Local Club</b>		
Murgas ARC	3	426,096
South Jersey Radio Association	7	54,426
Downey ARC	3	47,794
Rocky Mountain VHF Society	6	43,857
Western States Weak Signal Group	4	20,438
Schenectady Museum ARA	4	17,254
Twin City Ham Club	3	5,987
West Valley ARA	3	280



The KF6GYM Rover station, complete with solar panels, set up for operation on top of 3,849-foot Mt Diablo (CM97) in California.

### Multiplier Leaders By Band

#### Single Operator Low Power

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
N4GN	44	K0MQS	57	K2DRH	34	K2DRH	42	K2DRH	13	K2DRH	20
K2DRH	39	K4TO	50	K8MR	32	K4TO	37	W0UC	9	W3KM	11
W4EUH	36	N4GN	49	K4TO	31	VE3TMG	29	W3KM	8	W0UC	10
K4TO	36	K2DRH	48	WA1MKE/9	22	N0PB	28	K1JT	8	KA9WBT	9
K8MR	35	W4EUH	43	K5MA	22	W0UC	27	AF1T	7	W3KJ	7
		N0PB	43								

#### Single Operator High Power

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
K8LEE	60	KE8FD	72	KE8FD	47	KE8FD	54	K1TEO	23	K2TXB	23
K5CM	52	W3EME	64	K8TQK	43	K2TXB	44	KM0T	15	K1TEO	21
K1TEO	49	K8TQK	64	K1TEO	36	K4QI	43	K1GX	14	N2BJ	19
K3ZO	48	K4QI	61	WB9Z	33	K8TQK	43	N2BJ	13	KM0T	19
WB9Z	42	WB9Z	61	K4QI	32	WB9Z	41	K2YAZ	13	W9GA	17
N2BJ	42										

#### Multioperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
K8GP	93	K8GP	85	K8GP	62	K8GP	70	W2SZ/1	34	K8GP	36
K3MQH -L	86	W4IY -L	74	K3YTL -L	52	K3MQH -L	61	K8GP	32	W2SZ/1	33
W4NH	73	AA4ZZ -L	73	K3MQH -L	52	K3YTL -L	54	K1WHS	19	K1WHS	21
W4IY -L	70	K3MQH -L	72	W2SZ/1	45	N2HLT -L	49	N2PA	18	N2PA	19
W2SZ/1	67	K3YTL -L	61	W4IY -L	45	W9ICE -L	48	N0UK	8	W6TOI	8
K1WHS	65	N0UK	59	N2PA	43	W2SZ/1	47	W4NH	6	N0UK	8
NC11 -L	60	W2SZ/1	58	N2HLT -L	42	W4IY -L	46	K3EOD	6	WA3ZKR	7
K3YTL -L	60	N2HLT -L	58	AA4ZZ -L	39	AA4ZZ -L	45	KF0Q	4	K3EOD	6
AA4ZZ -L	59	W9ICE -L	56	W9ICE -L	37	NC11 -L	43	W6TOI	4	W4NH	6
W9ICE -L	57	W4NH	55	NC11 -L	37	N2PA	42	N1DGF	3	N1DGF	4
N2HLT -L	57	N2PA	54					WA3ZKR	2	KF0Q	4
								K5IUA	2	KF6KDC	4

-Q denotes QRP Portable

-L denotes Limited Multioperator

### QSO Leaders By Band

#### Single Operator Low Power

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
N6MU	148	KB0LYL	195	K2DRH	59	KE6GFF	179	AF1T	18	K2DRH	29
N3II	135	K0MQS	178	N2SCJ	52	K2DRH	91	W0UC	18	W0UC	22
K1JT	106	NZ8C	167	K8MR	49	K9YR	74	K2DRH	16	N2SCJ	19
K2DRH	104	N6MU	163	K1JT	49	K1JT	73	K1JT	14	W3KM	18
K8MR	101	K2DRH	161	W0UC	48	W0UC	73	W1PM	13	W3KJ	18
										AF1T	18

#### Single Operator High Power

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
K8LEE	222	W3EME	511	K1TEO	105	K1TEO	171	K1TEO	48	K2TXB	55
K1TEO	219	K1TEO	379	N2BJ	81	K2TXB	164	W4RX	25	K1TEO	54
W4RX	210	K1UHF	334	K1UHF	80	N2BJ	137	K1GX	22	N2BJ	43
K3ZO	200	K2TXB	332	KE8FD	74	W4RX	124	WA3DRC	20	K2SMN	33
N2BJ	173	K2SMN	248	W4RX	69	KE8FD	109	K3DNE	19	K1GX	30

#### Multioperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz	
K8GP	668	K8GP	700	W2SZ/1	262	W2SZ/1	447	W2SZ/1	121	W2SZ/1	146
W2SZ/1	665	W2SZ/1	689	K8GP	189	K8GP	352	K8GP	71	K8GP	88
K3MQH -L	542	K3MQH -L	619	K3YTL -L	165	K3MQH -L	279	K1WHS	36	K1WHS	44
K3YTL -L	487	K3YTL -L	528	NC11 -L	158	NC11 -L	269	N0UK	36	N0UK	42
NC11 -L	446	NC11 -L	435	K3MQH -L	147	K3YTL -L	263	N2PA	26	N2PA	31
K2BAR -L	418	W4IY -L	435	N6RMJ -L	138	N6RMJ -L	205	W4NH	10	W6TOI	29
W4IY -L	397	K1WHS	363	W4IY -L	119	W4IY -L	176	K3EOD	9	NR50 -L	15
K1WHS	395	WB1GQR -L	361	K1WHS	110	N2HLT -L	172	KF0Q	6	WA3ZKR	13
N2HLT -L	318	AA4ZZ -L	353	WB1GQR -L	105	K1WHS	165	W6TOI	6	W4NH	11
W1QK -L	306	N6RMJ -L	324	N2HLT -L	101	WB1GQR -L	160	WA3ZKR	6	KF6KDC	11
								N8KOL	6	K3EOD	9

-Q denotes QRP Portable

-L denotes Limited Multioperator



The WK6I QTH was 9600 feet up in the Inyo Mountains of California at an abandoned mine with an absolutely beautiful view of the eastern Sierra Nevada range.



Mike, N2YWN (left), helps Adam, KC2FDJ (right), get adjusted to a handheld beam from the KB2E Limited Multioperator set-up in the Adirondacks.



The  $4 \times 2.5$  wavelength 2-Meter array of the AA4ZZ Limited Multioperator station located in the mountains of Western North Carolina.

(Great Lakes), K2KIB (Hudson), N0PB (Midwest), AF1T (New England), K7CW (Northwestern), N6MU at N6NB (Pacific), AD4DG (Roanoke), W6OAL (Rocky Mountain), W4EUH (Southeastern), KE6GFI (Southwestern), K5LOW (West Gulf) and VE3TMG (Canada).

Leading the charge in the Single Operator High Power category was Jeff, K1TEO, who easily distanced himself from Barry, N2BJ and Gary, KE8FD, who staged a nip and tuck battle for runner-up honors. Jeff's performance was the only new Division record (New England) during the contest in the category, but fell a bit short of the existing category overall mark. Axel, N8XA, who beat Dick, N9MYK, won the

QRP Portable category. There were no new records set in this category.

A new Limited Multioperator record and Atlantic Division record was set by the operators at K3MQH. Their effort outdistanced the crew at K3YTL. Besides K3MQH, new division records were also set by W9ICE (Central), N2NK (Hudson), N7EY (Northwestern), W4IY (Roanoke) and W7SAO (Rocky Mountain).

When you think about dominant VHF contesters, it doesn't take long before you come to the outstanding Multioperator Unlimited team that works from Mt Greylock, Massachusetts. This past September, the W2SZ/1 team once again took high score, with a new overall category

mark of 1,883, 221 points. Hats off also to another traditional "top of the box" operation—the K8GP team that finished second in the category, though they did set a new Roanoke Division record in the process.

Taking advantage of a great time of year to be on the road, Brian, ND3F, established a new Rover category and Atlantic Division mark. His 311,940 outpaced Beau, N1MJD. Setting new division marks in the category were ND2X (West Gulf) and KB4NVD (Delta). Congratulations to these and all of the overall, divisional and sectional champions.

The second year of Club Competition in this contest saw a small increase in the total entries, as well as numerous entries from clubs that did not reach the minimum of three submitted scores as per the rules. Congratulations to the Potomac Valley Radio Club for taking first place in the Medium Club category and the Murgas Amateur Radio Club, who held top honors in the Local Club category.

The 2001 ARRL September VHF QSO Party will be contested September 8-9, 2001. Please note a change in the former QRP Portable category. The category has been renamed Single Operator Portable. The rules have been clarified to show that the operation must take place away from a permanent station location, and that the station may not change from 500-meter diameter circle as called for in General Rule for all ARRL Contests Rule 3.7. This category is for a fixed-station portable operation. The 10 W PEP requirement, the requirements for a portable power source, antennas and equipment remain the same. All previous records for the QRP Portable category will be transferred to this category.





N6KZB	1,430	47	22	A	ABCD
KE6QCB	540	46	9	A	BD
K6TSK	43,212	374	78	B	ABCDE
N6EQ	17,574	209	58	B	ABCDE
WK6I (+W6ESS,KD6OBB)	2,550	67	34	L	ABD

<b>Pacific</b>					
AH6TM	736	35	16	A	ABD

<b>Santa Barbara</b>					
W9EC	1,298	43	22	A	ABCDE
N6ZE	1,140	57	20	A	AB
K6GNBI	1,040	49	20	A	ABCD
W6FM	12,213	153	59	B	ABCDE
K6TZ (K6HOZ,W6DNN,W6B0BB,W6B9KMO,W1PR, KF6IKO, ops)	4,960	121	31	M	ABCD9EF

<b>Santa Clara Valley</b>					
W6IT	4,017	71	39	A	ABCDE
KF6MXX	2,553	86	23	A	BCD
N6DE	224	21	7	A	AB
N6IV	48	9	4	A	BD
W6ZZZ	8	4	2	A	B
W6GYD	5,810	113	35	B	ABCDE
KF6A	2,793	133	21	B	AB
KF6KDC (KE6HNR,KB6HRB,KC6UCN, KF6YLR, ops)	27,576	271	72	M	ABCDE

<b>San Diego</b>					
K6CYS	84	7	4	A	E
KF6JBB	8,756	157	44	B	ABCD
W6EEB	704	38	16	B	ABD

<b>San Francisco</b>					
WB9NJS	2,162	76	23	A	ABCD
N6RA	1,040	65	16	A	AB
WA6KLLK	7,480	128	44	B	ABCD
WD6HDY (+KD6LTB)	4,840	111	40	L	ABD

<b>San Joaquin Valley</b>					
N6MU (at N6NB)					
14,928	311	48	A	AB	
K6KY	5,421	100	39	A	ABCD
K6IRZ	5,304	100	39	A	ABCDE
KF6DST	972	53	12	A	BCD
KG6DAH	448	23	16	A	ABD
N6AJ	30,720	229	80	B	ABCD9EF
KF6KDA (+KFRWYH, KF6CNV)	13,459	236	43	L	ABCD
K6QG (+W6GPD)	5,680	123	40	L	ABD

<b>Sacramento Valley</b>					
NZ6N	444	37	12	A	B
K6NTZ	28	28	1	A	B
W6KBX	28,490	256	74	B	ABCDE
KC6ZWT	14,210	196	49	B	ABCD
K6AAA	2,472	103	24	B	B
K6ME (+KE6NDG)	3,813	106	31	L	ABD
W6DHN (+N6DPP, KF6BRO)	4,148	93	34	M	ABCDE

<b>7</b>					
<b>Arizona</b>					
WA7VHF	385	27	11	A	ABD
K6IAH/7	190	17	10	A	ABD
KE7NR	9,660	120	60	B	ABCDE
WB7OHF	650	40	13	B	ABCD
N7IR	1,003	51	17	Q	ABD
NR50 (N9AV,NA7D, ops)	6,440	126	35	L	ABDE

<b>Eastern Washington</b>					
N3CEV	6,400	100	50	B	ABCDE
N7EY (+WA7TUE,KB7HDX)	9,945	166	51	L	ABCD

<b>Idaho</b>					
WA7USB	1,121	49	19	A	ABD
N7EJ	2,790	78	31	B	ABD
N7IJ	252	18	14	B	AB
KK7AT	650	48	10	Q	ABD

<b>Montana</b>					
N7CZ	224	25	7	A	ABD

<b>Nevada</b>					
WB6YIY	152	19	8	A	A
K7ICW	4,662	84	42	B	ABCDE
NW7O	627	28	19	B	ABCE

<b>Oregon</b>					
WA7BJJ	6,804	126	42	A	ABCDE
N7DB	4,318	106	34	A	ABCD
K7HSJ	1,850	54	25	A	ABCDE
W7DSA	1,440	54	24	B	ABCD
KK7E	637	49	13	B	B
KA7EXM	442	34	13	Q	B
W7LT (KC7AOI, KC7PDI, ops)	3,275	112	25	L	ABD

<b>Utah</b>					
N7DBW	732	46	12	A	ABD
KA7EII	198	14	11	A	ABD
N7QF	12	4	3	Q	A

<b>Western Washington</b>					
K7CW	8,018	139	38	A	ABDE
N7NGO	2,425	87	25	A	ABD
W7DMN	867	51	17	A	AB
KE7SW	22,933	220	71	B	ABCD9EF
N7EPD	21,440	203	67	B	ABCD9E
AA7VT	7,800	127	40	B	ABCD9E
K7ND	3,729	65	33	B	ABCD9E
W7JR1NKN	50	10	5	Q	A

<b>Wyoming</b>					
WA7KYM	7,473	99	53	B	ABCDE
K7KMT (+K17WB,N7SVX,AC7DW)	1,421	42	29	L	ABD

<b>8</b>					
<b>Michigan</b>					
N4SC	17,808	157	84	A	ABCD
K8KD	12,524	163	62	A	ABD
N8AIA	6,336	107	48	A	ABC
WB9WXX	2,268	81	28	A	A
N8ZVB	190	19	10	A	A
K2YAZ	79,520	301	160	B	ABCD9EFGHI
K8MD	71,769	355	141	B	ABCD9E
K8PNW	3,838	72	38	B	BDE
KC8OID	1,144	42	26	B	ABD
N8E1	952	36	17	B	ABCDE
N8PVT (+KC8ALA)	736	32	16	L	ABD

<b>Ohio</b>					
K8MR	55,440	318	132	A	ABCD
WA8RCN	9,776	188	52	A	AB
N8BJQ	8,296	136	61	A	AB
KB8VUJ	6,890	105	53	A	ABD
K8AB	5,085	93	45	A	ABD
KC8CSD	2,871	55	33	A	ABCD
W8DD	1,876	67	28	A	AB
W8GBH	1,750	50	35	A	AB
KB8UUZ	1,440	60	24	A	A
KC8CFI	1,248	39	24	A	BD
W8IDM	760	34	19	A	ABD
WB8AUK	434	23	14	A	ABCD
WW9DX	2	2	2	A	A
KE8FD	182,016	519	237	B	ABCD9EF
K8TQK	138,846	416	219	B	ABCD9EFG
WA8RJF	42,000	225	125	B	ABCD9EF
KC8CCD	39,195	220	117	B	ABCD9EF
WB8IQK	2,479	67	37	B	AB
N8LGP	1,740	60	29	B	AB
WB8CEH	160	20	8	B	B
N8XA	12,765	120	69	Q	ABCD9E
N8ZM (+N8IDS,KD8FO,KB8ZR,AB8IS)	61,020	373	135	L	ABCD
N18T (+KC8PBJ)	480	32	15	L	B
N8KOL (+KA8ROX)	93,015	159	7	M	ABCD9EF

<b>West Virginia</b>					
K3XO/8	3,852	97	36	A	ABD
W8TN	2,812	76	37	A	AB
K8KFJ	896	32	28	A	AB
K2UOP	99,946	430	154	B	ABCD9EF
N8XUR	30,272	245	88	B	ABCD9E
K8GP (K1RZ,K1HTV,K3MM,K3SX,W3ZZ,N4UK, W4XP,K6LEW,K8ISK, ops)	1,599,325	2215	455	M	ABCD9EFGHIJKP

<b>9</b>					
<b>Illinois</b>					
K2DRH	137,200	460	196	A	ABCD9E
K9YR	33,538	299	82	A	ABCD
N9TF	21,120	233	64	A	ABCDE
NZ8C	7,831	191	41	A	AB
N9ERW	3,420	86	38	A	ABD
W9TWJ	1,800	50	36	A	AB
KG9PQ	1,748	67	23	A	ABD
KB9II	1,206	56	18	A	ABC
K9DDS	864	45	16	A	ABD
K9MOT	264	24	11	A	A
K6A (WA9FIH,op)	186	31	6	A	A
K9PG	140	14	10	A	AB
W9SE	63	9	7	A	A
N2BJ	183,274	667	182	B	ABCD9E
WB9Z	140,994	540	189	B	ABCDE
NV8V	7,831	191	41	A	AB
N9GH	6,032	77	52	B	ABCDE
W9SZ	6,722	37	21	Q	B
KG9PF (+K9IJ)	12,144	203	48	L	ABCD

<b>Indiana</b>					
WA1MKE/9					
W9DZ	27,540	180	102	A	ABCD9E
W9SR	17,710	194	77	A	ABD
WB9NSM	9,333	153	61	A	AB
K9NRQ	5,250	125	42	A	B
K9RQ	4,462	77	46	A	ABD
K9GFS	1,550	50	25	A	ABD
K9MNP	270	25	9	A	ABD
K9NW	45	9	5	A	B
KJ9C	20	5	4	A	A
K9QFL	103,373	467	167	B	ABCDE
K9EA	40,252	256	116	B	ABCD
K8LEE	13,320	222	60	B	A
AA9LT	6,554	89	58	B	ABCD
W9ICE (WB9CZ,WB9ER,N8NQG,N8JLZ, N9QQY,K9YDO,K9XZ,KE4OED,KA9BFM, KB9NWP, ops)	135,828	545	198	L	ABCD
KG9BV (KG9JA,KB9VZJ, ops)	20,331	212	81	L	ABD
W9UUU (N9OYM,K9VDQ,N9WU,W9BBO, ops)	574	33	14	L	ABD

<b>Wisconsin</b>					
W0UC	84,870	390	138	A	ABCD9EFGHI
KA9WBT	43,392	318	96	A	ABCDE
K9VHF	31,816	234	97	A	ABCDE
WA1UJU	8,300	166	50	A	AB
N9NDP	2,436	84	28	B	BCD
KB0LGB	1,456	56	26	A	AB
AA9RR	555	36	15	A	ABD
KB9WSN	392	27	14	A	ABD

KB9Q	240	15	12	A	ABCD
KB9VSG	232	29	8	A	AB
KB9UZV	200	25	8	A	B
W9GA	84,528	399	144	B	ABCD9E
K9UUT	8,748	157	54	B	ABD
N0AKC	7,614	107	54	B	ABCD9E
ND9Z	6,048	85	48	B	ABCDE
WA9LZM	5,808	94	48	B	ABD
W9PHJ	3,016	104	29	B	AB
KB9TLV	1,932	84	21	B	ABD
N9MYK	6,622	112	43	Q	ABDE
N19E (at N9FH) (+N9VA,N9FH,KA9WNX,KB9LYL, KB9BK,N9LLT,W9RN,WB9UAI)	76,383	491	123	L	ABCD
N9TMS (+N9REP,KB9JZY,K9TQPO,N9EG,AA9IL)	24,864	284	74	L	ABCD

<b>0</b>					
<b>Colorado</b>					
W6OAL	5,217	82	47	A	ABCD9E
N0POH	2,576	71	28	A	ABCD
KA0MWA	55	10	5	A	ABD
N0VSB	24,080	202	86	B	ABCDE
W7SAO (+N0KE)	10,207	143	59	L	ABCD
K0MF (+K0XL)	2,675	90	25	L	ABD

<b>Iowa</b>					
K0VSV	11,328	133	64	A	ABCD
K0MQS	10,146	178	57	A	B
NE0P	4,134	88	39	A	ABD
AB0HF	128	16	8	A	AB
KM0T	81,324	286	162	B	ABCD9EF
KA0Y	16,000	141	80	B	ABCDE

<b>Kansas</b>					
KC0DI	5	5	1	A	B
N0LL	29,928	185	116	B	ABCDE
N0KQY	24,250	175	97	B	ABCDE
W0EKZ	12,654	127	74	B	ABCDE
K0FPC (+KA0JLF,N3KKM)	3,360	75	35	L	ABCD

<b>Minnesota</b>					
K0MHC	11,830	128	65	A	ABCD
WA2HFII/0	9,928	120	48	A	ABCD9E
K0CAKU	7,584	129	48	A	ABD
K0CJ	6,498	122	38	A	ABDE
KB0LYL	2,730	195	14	B	
KB0TZA	1,350	56	15	A	ABCDE
KB0OBT	1,190	69	14	A	ABD
KC0HTB	612	58			