

**By Mark Hoffman, K2AXX,  
and Jeff Ach, W2FU**

# 2002 January VHF Sweepstakes Results

**W**hen the winds whip, and snow buries the barbecue grill, it's fall in Rochester, NY. By now, the preparation for the January VHF SS is in full swing! Since the dawn of this contest, the Rochester VHF Group has been in the mix, hammering away. The competitive spirit really shines with this contest, as it's not just you playing—you help your friends compete for total glory! And, quite frankly, what else is there to do in the tundra of upstate NY in January? Over the years, there have been *many* participants who've outdone themselves time after time, with the final score being the only memory many of us have. But—we've all heard stories about contests past, and the yarns seem to take on mythical meaning—perhaps driving each of us to NOT do what's been done before. With the 50+ year history of the RVHFG, there's lots to talk about, many stories to share—and many more to come.

The tale of the “one that got away” is fresh in many of our minds this year. Hours prior to the starting gun, 50 MHz was *wide open* into Europe. Signals of incredible strength from England, France, The Netherlands... it was *fantastic* stuff. A couple people commented that they were running upwards of 100 per hour rate! As soon as the contest started, *click!* The band went out. Oh, there were some interesting openings on Sunday to the East Coast. A few folks caught up with some Europeans, but more caught the good transcontinental openings between W1/2 and W6/7, giving out some new multipliers. Conditions on the other bands were, well, okay. Had 6 m blessed us with some good F2 propagation, things might have been slightly more interesting! I mean, when was the last time anyone had worked over 1000 QSOs on 50 MHz alone? It's been a while, and it's *well* overdue. Who remembers the days when working a few *dozen* stations above 144 MHz was a *great* contest? Yes, friends. Things have changed.

With the introduction of Club Competition in the September VHF Contest, there may arise many new rivalries in the years to come. In my mind, the longest-running “Grudge match” has been the RVHFG and Mt Airy VHF Radio Club! For years, each

were battling for top-honors in the *Unlimited Category* to take the gavel. In this battle, the Packrats have won all but a handful—and this year proves no exception! With 50 logs and over 2.1 million points, they've proven their dominance of this class! In the *Medium Category*, the Rochester VHF Group, with a top score of 2.3 million points, defeats recently arrived rivals PVRC and NEWS for top honors. Finally, in the *Local Category*, Cedar Rapids Microwave Society outdistanced the Delaware Valley VHF Society for top honors! NICE going! Congratulations to *all* those participating in Affiliated Club Competition! No matter how you do, it's great to know that club participation is strong, with 326 club members using their points toward the cause. *Keep it going!*

Single operator has changed in the past couple years, with the addition of a Low-Power class. That doesn't change some of the challenges faced by the intrepid people insane enough to subject themselves to 34-hours of solo VHF+ adventure! Just imagine what would happen if, on a cold winter morning you notice your

antennas are askew. “Aw, just a few minutes to fix the rotator and I'm back in business” you say. So, you grab the ladder, climb onto the roof in your PJs and begin reorienting your antennas. Meanwhile, the blowing snow and biting wind take the ladder down to the ground, with you stuck on the rooftop. How would *that* hurt your score? Poor Chuck, apparently he was trapped for quite some time up there, as his wife was off at Church. For those of you who remember K2YCO, this was one of his legendary tales.

I'm sure there are some interesting tales of woe and victory in Single-Operator Low Power class. We have another repeat winner! Bob Strieg, K2DRH does it again! With a score that would have placed in the Top-10 *high* power class, he wins by *just* squeaking past Dale Clement, AF1T with 136 k. Not far behind, is Nobel Laureate Joe Taylor, K1JT, from his Princeton, New Jersey home, with almost 131 k. These intrepid single-ops do it with less than 200 W on 6/2—which is hard to believe having listened to AF1T rattle off back-scatter QSOs on 50 MHz....

## Top Ten

Single Operator Low Power	Limited Multioperator
K2DRH 136,320	AA4ZZ 169,952
AF1T 135,261	N2BJ 153,000
K1JT 130,914	W2ODH 149,621
W3KJ 69,915	W3SO 128,856
WA8RJF 57,838	N8KOL 116,070
W2EV 50,512	K8CC 74,175
W1PM 45,305	W1QK 69,680
N3FLU 44,800	W1VHF 57,474
K2HNZ 41,520	K2AA 41,088
WA1MKE 39,550	W1XX 40,144

Single Operator High Power	Multioperator
K1TEO 386,973	K8GP 749,056
K2AXX 252,126	W2FU 660,656
KMOT 214,760	K3YTL 601,392
WA3NUF 205,002	N2PA 404,712
WW8M 198,360	N3NGE 320,892
K1UHF 186,636	W0RSJ 165,760
WZ1V 160,460	N3YMS 103,512
K3DNE 146,374	WA3ZKR 48,762
W4RX 121,044	K1ZE 44,872
W3RJW 119,600	W2QK 43,990

Single Operator Portable	Rover
K6MI 40,810	N2JMH 258,666
W3SE 40,328	K2TER 217,019
N3F-II 11,524	W5DF 184,569
KA6AMD 10,857	N9YZK 181,388
KG4LEV 3,510	ND3F 147,725
WB0LJC 3,240	N6TEB 147,504
N9MYK 2,568	W7GHZ 146,568
N8XA 2,520	NA0IA 141,526
N7WLO 1,440	KA0YSQ 134,160
WB2AMU 1,406	N6DN 129,682

## Affiliated Club Competition

	Score	Entries
<b>Unlimited Category</b>		
Mt Airy VHF Radio Club	2,118,011	50
<b>Medium Category</b>		
Rochester VHF Group	2,336,817	30
Potomac Valley Radio Club	1,696,124	24
North East Weak Signal Group	1,378,889	26
Murgas ARC	602,080	3
Society of Midwest Contesters	597,226	13
Northern Lights Radio Society	434,729	21
Western States Weak Signal	211,833	7
Six Meter Club of Chicago	206,249	18
Badger Contesters	194,083	20
Downey ARC	193,567	5
Crawford County ARC	174,624	21
South Jersey Radio Assn	128,124	7
Yankee Clipper Contest Club	118,564	5
Mad River Radio Club	102,651	5
Florida Contest Group	29,888	5
Lawton Fort Sill ARC	16,406	12
Tennessee Contest Group	16,367	3
Bergen ARA	10,635	3
Hampden County Radio Assn	4,009	4
Bears of Manchester	3,532	4
Mobile Sixers Radio Club	2,302	4
Rochester (NY) DX Assn	2,216	4
Burlington County Radio Club	1,928	4
<b>Local Category</b>		
Cedar Rapids Microwave Society	399,694	5
Delaware Valley VHF Society	154,907	7
Medina 2 Meter Group	10,480	4
Northern New York Contest Club	7,650	4
Meriden ARC	1,064	5
Central Ohio Operators Klub	993	3

Now, I can only dream that Jeff Klein, K1TEO, has a number of tales to tell. Retaining his crown as *Single-Operator High Power* champ this January, he soundly trounces Mark Hoffman, K2AXX for top Single-Op High Power honors by 134 k. Mark and Jeff need to watch their backs, though—coming up from another snowy tundra region is Mike King, KM0T.

The *Single-Operator Portable* category requires some serious planning, effort and talent to win. In the lead John Morrice, K6MI, narrowly escapes fellow Californian Wes Printz, W3SE by a very narrow margin (482 points!). Another 667 points separated Steve Kerns, N3FTI and Erich Muschinske, KA6AMD for 3rd and 4th places! This is one hot class. QRP power, a good location and good antennas are usually what it takes to top the box.

In the hall of giants, where anything goes—*Multioperator* rules supreme. Using all amateur bands above 50 MHz, these stations sometimes go to extremes to improve performance—to the end of capturing the title of #1 US/Canada. Other stations depend on multioperator stations for frequency reference, for beacons, for signs of life late at night. Yep—the multioperator unlimited reigns supreme.

If you've never had the opportunity to operate from a Multioperator station before, it's really worth the effort to find one and try it. There have been many competitive teams in the past, and this year has proven no exception. The art of collecting enough equipment, operators and time is no small feat—let alone the cooking, cleaning and maintaining what other people break! Literally! I remember one year while operating at a multi-multi station during January—it was cold outside! The rotator on the tower froze, and we thought it wise to replace it. SO, a couple intrepid people went up to remove the rotator and replace it with another. No problem, until the disconnected rotator decided

to make a quick descent. Fortunately, it landed in about 3 feet of snow, no further damage to itself or anyone else. However, what we didn't know until a few months later, was what it did damage! The 10 GHz stuff stopped working well for the remainder of the weekend after that incident, but no one made the correlation. The rotator landed squarely atop the WR-90 waveguide, snapping it in two at the base of the tower. However, buried in snow—we had no way of knowing! Whoops!

Hoping that nothing like this happened to them, AA4ZZ in NC managed to beat up on the competition in the *Limited Multioperator* class, defeating N2BJ and crew by only 16 k. Not far behind was W2ODH from Sunny California. Limited M/M is an excellent class, as you are only using four bands—but not limited to running only four! If you have 50 MHz-1296 MHz, run 'em all—just turn in the best four bands!

In the *Unlimited Multioperator* class, another classic battle ensues. This time, the Grid Pirates of K8GP capture the flag. With a class-busting score of 749 k, they made W2FU walk the plank at 660 k, and K3YTL at 601 k. These scores are pretty tight, making for an exciting rematch next time around. One slip, like a stinkbug across the HV transformer (yes, there's a story about that, too!) blowing up the 2 m amp—and any of these well-oiled machines could go crashing. It's the ultimate battle of Murphy vs Man. Wonder why Murphy always plans Ice Storms?

Multioperator is controlled chaos. Roving, on the other hand, is Chaos *on the road*. Imagine if you will, cramming all that gear you've got in your shack into a van. Then take your tower, lay it across the top and figure out a way to raise it. Then wire it all so you don't sit on the road somewhere minus dc to start the vehicle. And finally, get it so it's roadworthy and drive it around. This is

the ultimate form of VHF+ contesting. I mean, how many of us drive around in January, only to discover that the route you've plotted to your site includes a couple miles on a Snowmobile trail? Or that road you think gets you somewhere really doesn't? In addition, it can be downright cold. One rover pulls up to a site, only to find another already there. The new arrival starts pushing up the tower, starting the generator, trying really hard to get it done quickly, when one of the operators in the other rover comments "I'm really glad I'm in where it's warm..." Worse, if you are driving in a snowstorm, and find the driving lights to be more effective than the headlights! Yep. This is the "lunatic fringe."

And N2JMH/R took the lunatic prize this year. Visiting seven grids in his Blue Whale rover, he takes top honors a second year. Following right behind is K2TER/R, with a 217 k score to boot. The top gun for travel appears to be N0DQS/R—who visited 18 grids during the contest period! A number of rovers visited 14 grids, and on down the list—you can't imagine how far that really is unless you've done it yourself!

Make sure you visit the expanded contest results on *ARRLWeb* at [www.arrl.org/contests/results](http://www.arrl.org/contests/results). Included in the online results you will find an expanded write-up, participant submitted Soapbox, a searchable database, and more box scores and tables. January always offers a wide range of operating challenges and opportunities. Whether roving, playing competitively from a large multioperator station, honing your skills from home or accepting the challenge of portable operation, the ARRL January VHF Sweepstakes has something to offer for almost everyone. Start making plans now to be "radio-active" the weekend of January 18-20, 2003.

## Scores

Each line score lists call sign, score, stations worked, multipliers, and band (A = 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, E = 902 MHz, F = 2304 MHz, I = 10 GHz).

<b>Connecticut</b>	W1QK (+W1JMA, K1PHG, N1ABY) 69,590 738 80 L ABCD	W1XX (+K1JX) 40,144 320 104 L ABCD	WW1Z 10,148 174 43 B ABCD9
K1IM 18,450 318 50 A AD	KB1DBF (@KB1H) (+KB1H) 26,235 412 55 L ABCD	W1XM (KB1CGZ, KT1D, KB1CTH, KA2ZLZ, KD1KY, W1GSL, KB1GRS, KB1HQH, KB1HDK, KB1HQH, KF2VW, N2ZLZ, ops)	W1ZC 8,360 156 38 B BD
WB1GCM 4,650 164 25 A ABCD	W1NRG (KB1CW, K1TDO, KB1HPY, ops) 90 18 5 L AB	W1MRQ 5,049 109 33 B ABCD	
K1WVX 3,475 100 25 A ABCDE	K1ZE (-N1DGF) 44,872 425 71 M ABCD9E	W1OA 1,188 62 18 B ABC	
N1OP0 1,632 85 16 A ABCD	W1FDX (+N1FY) 6,346 167 38 L AB	KB1QV 546 37 13 B ABD	
KB1DHW 1,577 70 19 A BD	N1IMPT (+KA1EZB, N1FNM) 3,900 156 25 L AB	<b>Rhode Island</b>	
WB1GIC 1,335 81 15 A ABD	N1OP (K1BFD, N1TQ, ops) 3,240 108 30 L AB	W1BAT 686 49 14 A AB	
KA1KQJ 1,311 60 19 A ABD	W1P 45,305 372 85 A ABCD9E	W1OPC 372 28 12 A ABD	
W1DMM 510 49 10 A ABD	K1UR 7,455 179 35 A ABCD	W1VHF (K1RWK, W1JJM, K1KT, ops) 57,474 534 103 L ABD	
WY1U 442 34 13 A AB	N1LDY 6,270 185 33 A ABD	KB1HAR (+N1YKH) 1,936 86 22 L ABD	
N1SPI 420 28 14 A ABD	KA1FKR 6,014 119 31 A ABCDF	<b>Vermont</b>	
N1TUP 200 32 5 A ABD	KV1J 3,498 125 22 A ABCD	KA1BSZ 24 B 3 A AB	
KB1FV 81 26 3 A BD	W1DYJ 2,460 123 20 A AB	W1AIM 36,088 264 104 B ABCD9E	
K1MKF 16 16 1 A B	K1VU 1,387 62 19 A ABD	K1LPS 11,428 135 58 B ABCD9E	
KB1CIW 6 6 1 A B	K1EP 1,032 64 12 A ABD	W1FN (AC1H, KA1UAG, NS1EP, AA1KL, WB1BRE, WA1ZCN, N1YMQ, KB1FDA, KB1EGH, ops)	
K1TEO 366,973 1039 219 B ABCD9EFGI	KA1QJ 864 21 16 A ABCDEI	WA1T 26,240 251 80 A ABCD9EF	
K1UF 188,636 821 151 B ABCDEFI	N1BC 832 51 13 A ABD	AA1YN 12,798 216 45 A ABCD	
W2IV 150,460 689 142 B ABCD9EFG	N1VOR 473 35 11 A ABD	AC1J 12,212 202 43 A ABCDE	
K1CX 114,932 534 118 B ABCD9EFGHI	N1HTS 120 20 6 A B	N1NUM 2,496 82 26 A ABCD	
K1FO 99,629 624 104 B ABCDE	W1XH 58 14 4 A AB	N1JH 1,919 82 19 A ABCD	
W2EP 6,712 480 116 B ABCDE	W1GHZ 25,172 246 62 B ABCD9EII	WA1Z 144 24 6 A A	
W1QJL 2,268 76 22 B ABCD	WB1FKF 24,732 198 54 B ABCD9EFGHI	K1TR 86,412 523 114 B ABCD9E	
K1QNF 616 44 14 B AB	N1GJ 7,956 135 39 B ABCD9EF	KU2A 31,768 239 76 B ABCD9EFG	
WA1GTP 377 29 13 B AB	N1EVK 1,860 62 20 B ABCDI	N1DPM 23,912 201 61 A ABCD9EFGI W1SW 6,580 166 39 A ABCD	

KK1W	2,782	107	26	A	AB	W2TZ	135	45	3	A	B	Western Pennsylvania	K8GP (K8ISK, W4XP, KC3WD, K1RZ, K1RA, KA1TB, ops)										
N1VOR	1,106	79	14	A	B	K2SKO	45	15	3	A	B	AA3GM	2,464 56 32 A ABCDE										
N1M1H	1,056	63	16	A	ABCD	K2AXX	252,126	626	174	B	ABCD9EFGHI	N3WMN	16 4 4 A A										
KB1MU	438	61	6	A	BD	K2AN	39,556	311	62	B	ABCD9EFG	WA3CSP	84 12 7 B A										
NC1I	40,404	455	74	A	BC	N2UJU	18,693	279	67	B	A	WB0IWG	6 3 2 Q AB										
WA1MBA	23,920	159	52	B	BCD9EFGHI	N2UIO	13,172	246	37	B	ABCDL	W3SO (K3IXD, K3RUQ, KB3FVG, W3TEF, W3YQZ, WR3Z, K4VV, ops)											
W1RZF	23,220	315	54	B	ABCD	N2O2O	11,128	136	52	B	ABCD9F	K3MJW (N3NOS, N3OEX, N3WMC, KA3WSW, N3APZ, N3GJ, N3MHU, ops)											
N1MUW	11,546	189	46	B	ABCD9	KC2IDT	6,877	206	23	B	ABCD9E	8,268 120 53 L ABCD											
W1RIL	3,008	55	32	B	ABCD9E	KE2T	1,480	122	10	B	ABCD	W3KWH (WA3VJX, WS3VJ, ops)											
K1AE	558	62	9	A		AB2HG	735	87	7	B	BD	4,200 132 28 L ABCD											
N1MUV	264	35	6	B	ABD	WB2QMY (+logger)						12 6 2 L B											
<b>2</b>																							
<b>Eastern New York</b>																							
WB2SH	38,610	387	66	A	ABCDE	W2FU (+K2DH, N2WK, K5MA, K2D8, K2UA, K2CS, AA2AVW)	660,656	1,231	263	M	ABCD9EFGHIJL	K9HUY	3,880 95 40 A ABD										
W2R (W2JH-IO,ops)						N2PA (N2YB, N2KG, N2JQR, W3OAB, N2VSZ, N2JDQ, N2JQ, ops)	404,712	1,030	219	M	ABCD9EFGHIJL												
WA2BAH	1,644	101	12	A	ABCD	<b>5</b>																	
WA2FK	910	68	10	A	ABCD9	<b>Louisiana</b>																	
K2RI	779	41	19	A	AB	K6ER	540	32	15	A	ABD	K6JRC	72 12 6 A AB										
KA2MCU	540	43	9	A	ABCD	NSJM	60	8	6	A	ABD	NSJZM	3,450 83 30 B BDE										
K2QNU	192	23	6	A	ABCD9	K6HLH	3,450	83	30	B	BDE	<b>Mississippi</b>											
WB2LLP	84	13	6	A	BD	KJ5RC						NK5W	2,241 67 27 A ABD										
W2FW	42	17	2	A	BD	K5PHR	1,608	51	24	A	ABCD	K5RHR	1,608 51 24 A ABD										
W2OZZ	39	11	3	A	BD	N5XZM	1,958	58	22	B	ABCD9E	N5XZM	1,958 58 22 B BDE										
W2FCA	14,652	154	74	B	ABCD	<b>North Texas</b>																	
W2GKR	11,970	173	57	B	ABCD	K5SOL	6,987	130	43	A	ABCD9E	K5SOL	6,987 130 43 A ABD										
KY2J (+logger)	1,800	66	25	L	ABD	K5LOW	2,730	66	30	A	ABCD	K5LOW	2,730 66 30 A ABD										
KC2DXM (+WB2OEE)	1,494	69	18	L	ABCD	N5TIF	1,026	54	19	A	AB	N5TIF	1,026 54 19 A AB										
N2TJQ (+N2UZO)	20,532	242	58	M	ABCD9E	K5ASD	20	5	4	A	B	K5ASD	20 5 4 A B										
W2SZ (KC1DDS, KC2RDL, KC2VNE, KC2HAJ, ops)	3,097	124	19	M	ABCD	W5LUA	47,168	173	88	B	ABCD9EFGHIJ	W5LUA	47,168 173 88 B ABD										
<b>NYC-Long Island</b>																							
K2CVS	10,131	190	47	A	ABD	K4NGA (WB4AEQ, WA4LXU, ops)	22,514	3,102	93	33	L ABD	AASC	22,514 112 61 B ABCD9EFGHIJ										
N2LIV	10,384	203	44	A	ABC	<b>Oklahoma</b>																	
KB2NOW	4,375	122	25	A	ABCD	W5OKG (KD5DLL, WB0RUF, N5MP, KC0HEX, KB5HMZ, ops)	6,586	132	53	M	ABCD	W5OKG	6,586 132 53 M ABD										
N2OEQ	1,008	72	14	A	B	<b>South Texas</b>																	
N2DY	14,335	212	47	B	ABCD	W5UFH	638	29	22	A	A9	W5UFH	638 29 22 A A9										
WB2AMU	1,406	67	19	Q	ABCD	AJ4F	374	32	11	A	ABD	AJ4F	374 32 11 A ABD										
KA2VZX (+WB2RVL, KB2VOU, WA2WAG)	3,321	123	27	L	AB	K5EFX	12	6	2	A	AB	K5EFX	12 6 2 A AB										
W2OK (+N2MDF)	43,990	382	83	M	ABCD	K5CEU	104	19	4	Q	ABCO	K5CEU	104 19 4 Q ABCO										
<b>Northern New Jersey</b>						K5CTT	86	17	3	O	ABD	K5CTT	86 17 3 O ABD										
K2KIB	28,776	273	66	A	ABCD9EF	K5DQIA	24	14	7	A	ABCD	K5DQIA	24 14 7 A ABD										
K2MLB	18,954	213	54	A	ABCD	W5QW	90,992	385	176	B	ABCD	W5QW	90,992 385 176 B ABD										
K2NJ	16,324	308	53	A		W4VHH	4,746	68	42	B	BDE	W4VHH	4,746 68 42 B BDE										
WA4ATJ	12,285	229	45	A	ABD	NC4NC	2,054	79	26	B	AB	NC4NC	2,054 79 26 B AB										
WB2CUT	5,616	234	24	A	B	K4GEV	3,510	98	30	Q	ABD	K4GEV	3,510 98 30 Q ABD										
N2MH	5,050	176	25	A	ABD	AA4AZZ (+AA4AS, AA4ASC, KADX4A, K4MGG, KG4CHX, W4GRW, W4MM)	169,952	761	198	L	ABCD	AA4AZZ	169,952 761 198 L ABD										
W2UDT	2,645	96	23	A	ABC	NG4C (+N4ZQW, KN4QE, KE4NDL)	29,536	245	104	M	ABCD	NG4C	29,536 245 104 M ABD										
N2COM	1,734	94	17	A	ABD	<b>Northern Florida</b>																	
W2TVT	1,350	74	18	A	ABD	KU4WD	4,375	103	36	A	ABCD	KU4WD	4,375 103 36 A ABD										
WA2NXK	795	47	15	A	ABD	W4UFO	225	22	9	A	ABD	W4UFO	225 22 9 A ABD										
WA2BNK	583	53	11	A	AB	K4OI	90,992	385	176	B	ABCD	K4OI	90,992 385 176 B ABD										
K2JT	125	25	5	A	A	W4VHH	4,746	68	42	B	BDE	W4VHH	4,746 68 42 B BDE										
W2CVW	76	19	4	A	A	N5WV	799	40	17	A	ABD	N5WV	799 40 17 A ABD										
N2IHN	36	12	3	A	B	K4JAF	391	23	17	A	A	K4JAF	391 23 17 A A										
WB2TT	960	64	15	B	A	W2BZY	15,840	184	66	B	ABCD9EF	W2BZY	15,840 184 66 B ABCD9EF										
W2IEK	280	40	7	B	AB	NW5E	14,742	165	63	B	ABCD	NW5E	14,742 165 63 B ABD										
K2BAR (K2YLH, W1I, N2WAA, KC2DTA, K2AMI, ops)	10,230	245	33	L	ABCD	K4XE	3,910	85	46	B	A	K4XE	3,910 85 46 B A										
<b>Northern New Jersey</b>						N3AWS	50	10	5	Q	AB	N3AWS	50 10 5 Q AB										
K1JT	130,914	735	126	A	ABCD9E	<b>Puerto Rico</b>																	
N1RKF	27,810	423	54	A	ABCD	WP4LNY	114	19	6	A	AB	WP4LNY	114 19 6 A AB										
N2SCJ	17,984	369	32	A	ABCD	<b>South Carolina</b>																	
K2PS	10,647	273	38	A	AB	K6EFD	40,686	282	111	B	ABCD9E	K6EFD	40,686 282 111 B ABD										
W2UR	10,206	186	42	A	ABCD	W4IT	4,214	75	49	B	ABCD	W4IT	4,214 75 49 B ABD										
N2RF	3,213	105	27	A	ABCD	<b>Southern Florida</b>																	
WA2EHz	1,222	124	18	A	ABD	KC4PX	9,900	158	55	A	ABD	KC4PX	9,900 158 55 A ABD										
N2DEQ	1,386	105	11	A	BCD	K0VXM	9,202	131	43	A	ABCD9EFI	K0VXM	9,202 131 43 A ABCD9EFI										
N2MPU	852	71	12	A	AB	K4EYY	893	47	19	A	B	K4EYY	893 47 19 A B										
WA3RHW	522	52	9	A	ABD	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
K2VS	310	62	5	A	AB	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
WEKI	259	37	7	A	AB	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
N2VW	216	54	4	A	AB	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552	74 29 A ABD									
W2ORA	160	40	4	A	AB	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
AD2VY	110	20	5	A	ABD	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
AA2JK	54,112	335	88	B	ABCD9E	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
W2SJ	19,448	269	26	B	ABCD9EFGHI	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
WA2ONK	11,433	181	37	B	ABCD9E	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
K2AA (K2MD, W2RDS, W2MC, ops)	41,093	465	64	ABCD	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD											
W2EA (K2WB, KF2YX, KV2M, KV2R, ops)	3,120	170	16	L	ABD	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
W2ZQ (KC2ODA, KC2OLA, ops)	3,120	170	16	L	ABD	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
K2KID (+K2VT)	680	110	8	L	AB	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
K3EOD (+WR3P, W2SJ)	42,160	424	62	M	ABCD9E	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
<b>Western New York</b>																							
W2EV	50,512	345	88	A	ABCDE	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
N2JH	16,827	198	67	A	ABCD	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
N2CS	16,023	254	49	A	ABCD	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
N2JHD	14,042	245	34	A	ABCD9E	K4CDL	2,552	74	29	A	ABD	K4CDL	2,552 74 29 A ABD										
W2ONP	11,120	165	40	A	ABCD9E	K4CDL	2,552	74	29	A	ABD</td												

San Joaquin Valley	WD8AML	7,640	149	40	A	ABCD	W9GA	24,402	201	83	B	ABCDE						
N5NU (N6NB, op)	K8AB	5,852	106	44	A	ABD	N0AKC	18,380	186	72	A	ABCD9						
35,190	415	69	A	ABD	KU8E	4,914	106	39	A	ABD	WB9MXX	882	63	14	B	AB		
W6WYT	KK8O	4,247	113	31	A	ABD	N9MYK	2,568	80	24	Q	ABCDE						
KF6KDA	2,948	106	22	A	ABD	W8JN	2,475	66	33	A	ABU							
KF6CNV	2,144	99	16	A	ABCD	W8DEL	1,960	75	20	A	ABD							
N9VM (N1VM, op)	KF8V	1,680	74	20	A	ABD		0										
N6AJ	KB8UUZ	1,536	64	24	A	A	N8TQ	1,176	73	14	A	ABD	N0UGY	1,862	50	19	B	ABD9EI
WJ6T	KC8RSZ	1,027	62	13	A	ABD	W8IDM	1,007	45	19	A	ABD						
WA6QYR	30	6	5	B	AB	KC8QAE	912	52	16	A	ABD	K0VSV	3,225	64	43	A	ABCD	
KGMI	40,810	325	70	Q	ABCD9EF	W8UHQ	881	38	21	A	ABD	A0BHF	532	28	19	A	AB	
KB6HRB (+KB6GONP)	3,381	108	23	L	BCD	N8QQA	693	53	11	A	ABD	K0EFT	240	19	12	A	ABD	
Sacramento Valley	N8NH	570	33	15	A	ABD	W8KNO	465	31	15	A	AB	KM0T	214,760	376	236	B	ABCD9EFG
KC6ZW	16,762	205	58	A	ABCD	N8QWQ	448	49	8	A	ABD	N0URW	22,575	215	105	B	AB	
K7NOM	363	20	11	A	ABOE	N8DOT	432	45	9	A	ABD							
WB6NTL	58,968	401	108	B	ABCDE	W2RG	420	34	10	A	ABD							
W6KBM	25,092	211	82	B	ABCDE	KB8RX	352	34	8	A	BD	KC0LPE	10	5	2	A	B	
N7WLO	1,440	63	16	Q	ABCD	W8DE	126	14	9	A	AS	N0KQY	12,474	123	77	B	ABCDE	
						KB8WZZ	90	23	3	A	ABD	W0E2Z	6,649	63	61	B	ABCD	
Arizona	KC8JFA	64	24	2	A	BD	KC7CMC	50	25	2	A	B	N0XJ (+KC0JAC)					
W9ATKK	1,044	45	18	A	ABCD	KC8QWM	49	46	16	A	AB	KCOLUF (+KC0LUE, KC0LKW, WQOP)	336	20	16	L	ABD	
KE7NR	7,130	107	46	B	ABCDE	W8NM	6	3	2	A	A	14,924	125	82	M	ABCD9EI		
WB7OHF	15	5	3	B	AB	K9NW	3	3	1	A	A							
KD7IOV	390	18	13	Q	ABCD	W2ZD	38,318	305	119	B	ABD							
Eastern Washington	W8PLZ	10,030	142	59	B	ABCD	N8XQM	4,917	125	33	B	ABD						
K7AWB	56	14	4	A	AB	N8GLS	4,454	131	34	B	B	KC0HT9	2,760	92	20	A	ABCD	
W6LLH	40	7	4	A	ABD	N8SJF	60	18	3	B	ABD	KB0ZEV	2,100	77	20	A	ABCD	
N7AU	24,092	268	76	B	ABCDE	N8XA	2,520	48	30	Q	ABCD9EI	KB0OBT	1,980	79	20	A	ABD9	
Idaho	N8KOL (+KB8IOX, WM8I, N8LIS)	116,070	562	159	L	ABCDE	KC0FC	1,905	102	15	A	AB	KB0TA	1,800	72	15	A	BCDE
K7VYZ	2,457	63	39	A	A	KC8SHY (+W8DQ)	1,248	116	36	L	ABD	W8TJ	1,742	73	13	A	ABD9EF	
W7USB	1,902	50	21	A	ABDE	KC8RYR (+K8FH, AB4ZR)	403	26	13	L	ABD	KB0ZN	1,190	62	14	B	ABCD	
KJ7TH	954	40	18	A	ABDE						KB0BN	1,080	77	12	A	ABCD		
Montana	N7CZ	1,407	42	21	A	ABCDE						KC0HEW	826	68	14	A	ABD	
Nevada	KC6UCN	656	35	16	A	ABCD	N8II	6,235	145	43	A	A	KC0EPV	627	45	11	A	ABD
WT7PW	416	26	16	A	AB	W82A	2,260	64	30	A	ABD	W0TFS	450	32	10	A	BDE	
NS9E	9	3	3	A	AB	W8TN	616	28	22	A	A9	KONY	330	24	11	A	ABD	
Oregon	KB7WW	27,639	322	83	A	ABDE	KC8KSK	91	9	9	A	A9	NOAT	259	35	7	A	ABD
N7DBW	8,316	166	42	A	ABCD	K2D9R	136,320	430	192	A	ABCD9E	KC0IYT	135	23	5	A	BD	
KOJU	5,032	136	37	A	A9	W8WFIH	21,440	286	67	A	ABD	KC0MAR	65	8	5	A	BDE	
WT7WS	3,980	104	38	A	ABD	KG9IL	10,101	212	39	A	ABCD	NOCHP	44	9	4	A	BCD	
N7DZA	29,356	301	82	B	ABCDE	KA9UV	8,236	117	58	A	ABD	W0GHZ	62,656	364	89	B	ABCdeFG	
W7QH (+W7KI)	6,493	126	43	B	ABCD	W8WBNZ	4,776	135	24	A	ABCD	W0QZQ	57,681	360	87	B	ABCD9EF	
	2,044	70	28	L	ABC	W8AHC	3,109	123	21	A	ABD	N0UK	10,560	176	44	B	ABCD9EI	
Utah	N7JU	10,332	168	41	A	ABCD9E	W8AZZ	2,580	67	30	A	ABD	W0UOQ	6,800	100	40	B	ABDE
K7PZV	3,872	113	22	A	ABCD	W8AFH	11,924	227	44	A	ABCD	W0VB	4,879	119	41	B	AB	
K7RJ	350	29	10	A	ABD	KG9IL	10,101	212	39	A	ABCD	KB0CMAR	3,588	77	39	B	ABDE	
N7MLD	1,856	62	18	B	ABCDE	KA9UZH	7,286	117	58	A	ABD	W0QZQ	9,614	174	46	L	ABD	
W7JL	1,005	40	15	B	ABCD	K9DJK	1,748	227	44	A	ABD	NOOK (+KC0LMS)	1,512	67	21	L	ABD	
KC7TOUP	2,046	30	7	B	ABD	W8WFM	1,520	60	19	A	AB	Missouri						
Western Washington	N7MMW	6,516	123	36	A	ABD9EF	W8WFM	1,520	60	19	A	AB	NPB	17,575	161	95	A	ABD
WT7DG (KB7ADQ, op)	5,644	117	34	A	ABCDE	N8LCR	1,028	57	18	A	B	K4SSO	2,980	61	36	A	ABDE	
N7NGQ	4,212	133	27	A	ABD	W8WJH	957	74	11	A	ABD	North Dakota						
KG7PZ	1,950	73	26	A	ABC	N8TQ	858	67	11	A	ABD	NT0V	735	25	21	B	ABCDE	
WT7DMN	1,950	76	26	A	AB	W8AVB	781	58	11	A	ABD							
N7UK	1,344	53	24	A	ABD	KB9ZKG	504	36	14	A	AB							
N0AX	4,96	31	16	A	A	K9TJ	432	54	8	A	AB							
KAT7QL	3,90	32	10	A	ABD	N8ZKC	376	40	8	A	ABD							
W7JAM	310	31	15	A	AB	W8JUT	198	18	11	A	AB							
N7UZ	28	4	4	A	IJKL	N8EYF	132	27	4	A	BD							
N7EPD	58,384	432	88	B	ABCD9EF	K9DPL	72	18	4	A	B							
KE7SW	45,570	326	93	B	ABCD9EF	W8NGUC	60	13	4	A	BD							
K7ND	18,180	172	60	B	ABCD9E	K9PG	48	12	4	A	B							
K7CW	16,005	291	55	B	A	K9DIK	432	54	8	A	BC							
W7FI	6,480	144	45	B	ABC	W8DQJK	4	2	1	A	C							
W7SZ	4,620	120	30	B	ABCD	W8WZ	117,075	530	175	B	ABCD	VE2ZP	6,834	110	51	A	ABCD	
KG7GU	2,346	88	23	B	ABD	W8BSNR	14,823	154	61	B	ABCD9E	VE2SMG	2,666	62	31	A	ABCD	
W7DHC	1,840	69	20	B	ABCD	W8WJV	2,000	80	25	B	B	VE3VJH	3,498	71	33	B	ABCD	
KD7TS	128	4	4	Q	IJKL	K09A	418	23	11	Q	ABCD	VE2PJ	112	13	7	B	ABCD	
WA7TZY (+WB7BST)	17,806	267	58	L	ABD	W8S9Z	140	10	10	Q	BCD	VE2WBK (+VE2VLJ)	1,456	56	26	M	AB	
KI7EL (+N7XKJ, KB7PSG)	1,649	76	17	L	ABCD	N2B2J (+K2PAC)	153,000	601	170	L	ABCD9EF	Quebec						
						W9RVG (WD9EDX, WD9EMF, W9FX,ops)	9,665	107	65	L	ABCD	VE2TMG	19,530	257	61	A	ABD	
Michigan	KF6QL	14,667	156	69	A	ABCD9E	KB9NM	6,390	142	45	A	B	VE2XZ	18,395	246	65	A	ABD
KB9GC	8,900	154	50	A	ABD	W9BDRB	425	20	17	A	ABCD	VA3AF	10,272	159	48	A	ABCD	
N8JFH	6,120	126	40	A	ABD	W9ZB	126	17	7	A	ABD	VA3FIN	7,188	132	44	A	ABCD	
KD6OG	4,141	96	41	A	ABD	KC9AEZ	19	19	1	A	B	VE3CVG	5,160	102	40	A	ABCD	
N8OC	3,619	68	47	A	ABD	K9EA	43,320	301	114	B	ABCD	VE3TEJ	2,448	97	37	A	ABCD	
N8ZVB	1,292	68	19	A	A	W9DSDN (+WD9DSP)	2,975	73	35	L	ABD	VE3ENP	2,106	42	27	A	ABCD9EIL	
W6RJU	900	41	18	A	ABD						VE3SXG	1,325	44	28	A	ABCD		
W8JDT	646	34	19	A	B						VA3TSG	1,071	7	7	A	ABCD		
WB7BTG	572	38	13	A	ABD						VA3OR	350	25	14	A	ABCD		
WA8YBL	95	19	5	A	AB						VE3CWJ	285	15	15	A	ABCD		
W9WBM	198,360	475	171	B	ABCD9E						VE3BFM	17,854	151	79	B	ABCD9E		
KB8U	98,280	451	156	B	ABCD9EF						VE3IEY	10,856	140	59	B	ABCD		
KM6MD	93,280	436	160	B	ABCD9E						VE3EU	8,700	126	58	B	ABD		
K2YAZ	26,666	178	97	B	ABCD9EF						VG3EF (+VA3DF, VE3M9Q)	6,240	133	40	L	ABD		
K9RS	16,714	231	61	B	ABD													
K8CC (+K9TM, W3XM)	74,175	527	115	L	ABCD													
Ohio	ND9Z	2,670	55	30	A	ABCD9E												
WA8RJF	57,388	315	121	A	ABCD9EF	K9VS	1,925	77	25	A	AB							
KC8CCD	35,020	233	103	A	ABCD9EF	N9NDP	1,216	62	19	A	ABC							
KM6MT	22,659	213	63	A	ABCD	W9PHJ	1,000	50	20	A	AB							
WB8AUK	18,423	198	69	A	ABCD	N9KS	774	40	18	A	ABD							
WB8AAE (KUSA,op)	11,799	146	57	A	ABCD	W9AMXQ	51,912	13	3	A	ABD							
N8BQJ	8,120	140	58	A	AB	W9JN	51,852	290	149	B	ABCD							