

1999 ARRL January VHF Sweepstakes Results

To paraphrase a famous line from the movie *Forrest Gump*, the January VHF Sweepstakes is like a box of chocolates—you never know what you are going to get until you turn on the radio.

And despite ice, snow, sleet, and rain, nearly one thousand VHFers turned on their radios and participated in what annually turns out to be a VHF contest delight. Bad weather did hamper many ops, from home stations in the icebox known as the Dakotas to rovers in New England. But those who managed to handle adversity (either through advanced planning or creative problem solving) responded with great scores and good times.

Scanning the Top Ten lists and the Regional, Multiplier, and QSO leader boxes you will notice a mixture of “the usual suspects” and “fresh faces.” And when you look at some of the point totals posted, you will find record-setting performances and a few near misses.

The K3MQH multi-op record, set in 1998, lasted exactly one year. WA8WZG, who finished a very respectable second last year set a new scoring mark of 794,300—an increase of nearly 100K. Helping Tom, WA8WZG, break the record were WA8RJF, W5ZN, W5LUA, N2CEI and two helpers. Odds are we will see this pitched battle between these two outstanding VHF contesting groups continue for quite a long time.

Remember back in 1993 when the legendary rover scoring mark of 1,277,860 was established? More than a few VHFers wondered if the mark would ever fall. But working with great planning and skill, and within the rules by utilizing 12 available bands, N3IQ, with Brian, ND3F, and Terry, WD8ISK, as the operators, posted a new Rover all-time record score of 1,391,942 points (see sidebar). Not to be overlooked was the rover team of K8GP, with K6LEW and KA3QPG as the ops, who turned in a total score of 827,372, which would have been good enough to win quite easily in almost any other year.

Perennial Top Five contender K1TEO posted a near record-breaking score of 415,776 points to easily outdistance WA2FGK in the Single Operator category. Contest after contest, Jeff’s experience and skill make him a target to shoot for. AD2P, K2BJG, K2BM, KB2LHH, KB2YJT, N2HMM and N2WM all pitched in to help Howard, WD3R/2, take the Limited Multi-Op category—outdistancing the N2XTX

gang 200,424 to 153,901. Finally, the QRP Portable winner was Axel, N8XA, who held back a challenge from W6ZN—7,776 to 5,238.

As always, Division scoring records fell. New Single Op scores were set by W0UC (Central), WA2FGK (Hudson), K1TEO (New England), W6OAL (Rocky Mountain), and N6HKF (Southwestern). WA8WZG (Great Lakes) and W0KVA (Rocky Mountain) set

Top Ten

Single Operator

K1TEO	415,776
WA2FGK	271,744
W3RJW	255,112
K1RZ	230,112
K1UHF	225,295
W0UC	211,500
KA2RDO	180,540
WA3NUF	178,176
N3NGE	155,349
WZ1V	154,187

QRP Portable

N8XA	7,776
W6ZN	5,238
N2EZS	3,030
N9MYK	2,808
WB2AMU	1,513
WA7VHF	1,258
KQ6TI	1,168
AB2FW	1,100
W3PO	672
N3HKS	576

Multioperator

WA8WZG	794,300
W2UR	457,732
W0RSJ	318,200
K2TVI	266,400
K1GX	119,064
N3ITT	72,428
K2DH	63,954
W3HZW	51,392
K2FK	43,188
W6TOI	35,776

Limited Multioperator

WD3R/2	200,424
N2XTX	153,901
W2ODH/6	152,520
W3IP	151,796
K8EB	109,200
W7XU	86,450
K2BAR	78,269
W1QK	39,300
K5BZM	32,612
K8UC	32,136

Rover

N3IQ	1,391,942
K8GP	827,372
K3QII	175,440
N0HJZ	122,848
N1MJD	119,140
K0MHC	102,311
KC5YOV	86,420
K5UHF	85,034
K2TER	63,650
N8KWX	54,912

Organization! Organization! Organization!

Once again, the Mt Airy (PA) VHF Radio Club—better known to the VHF community as the Pack Rats—posted an outstanding effort in the January VHF Sweepstakes. When asked by the Contest Branch Manager to reveal the secret to their success, Pack Rat President Ron Whitsel, W3RJW, responded, “The main secret is that there is no secret. It’s organization, organization, and organization!”

Ron mentioned several items worth sharing with the rest of the contesting world. “We are not organized to do just contests,” he explained. “We are a local club that draws members from the local area. I think that tends to solidify the membership. We have monthly meetings, speakers, an auction, a hamfest and VHF conference, 10 VHF /UHF beacons, newspaper, a Web page and even a repeater.” The Pack Rats see contests as just another tool to promote VHF/UHF band activity. “The band activity is what’s important, not winning by using tricks and gimmicks. Winning just naturally follows good effort.”

The sense of camaraderie is obvious to anyone who has visited the Pack Rats or attended one of their meetings. Education is a key part to their fun. “We encourage members to get on new bands. We have building sessions once in a while to help the less experienced become more involved. If you want help, it’s available; no pressure.” Education goes beyond the technical realm—information packages, including the rules and other contest materials are made available to all members.

The Pack Rats draw on “internal” competition as well to help the overall effort of the club. “We have contest ‘teams’ within the club with a captain for each,” says Ron. “The teams are formed each year based on the scores from the previous year so that all teams start on an equal footing. This encourages members to improve their scores for the team. And each captain is responsible for seeing that all of his team members are ready.” To encourage this as well, the Pack Rats emphasize the importance of each member working every other member on every available band.



If the conditions get too bad, KF0UK can always hope that the rover antenna arrays will allow the search party to locate him in the whiteout.

Multiplier Leaders By Band

Single Operator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
W0UC	116	KE8FD	62	KE8FD	33	KE8FD	43	K1TEO	19	K4QI	21	WA1MBA	7	K1TEO	6
KB2ZVP	116	K3VGX	59	K1TEO	31	K8TQK	37	WA2FGK	15	K1RZ	18	WA2FGK	7	WA1MBA	6
W6OAL	81	K0MQS	59	K8TQK	30	K1TEO	35	K1RZ	15	K1TEO	17	N1DPM	7	N1DPM	5
N0LL	79	K8TQK	51	WA2FGK	30	K4QI	34	N3NGE	13	W0UC	17	W0UC	17	WB2VVV	5
W8CM	74	W2CCP	46	KA2RDO	28	WA2FGK	33	K3DNE	13					W3RJW	5
		WA2FGK	46			NC1I	33								

Multipoperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
W7XU -L	118	WA8WZG	62	WA8WZG	42	WA8WZG	51	WA8WZG	19	WA8WZG	37	WA8WZG	12	WA8WZG	9
K5BZM -L	96	W0RSJ	56	WD3R/2 -L	35	W2ODH/6 -L	37	W2UR	16	W2UR	17	W2UR	6	W2UR	5
N2XTX -L	82	N2XTX -L	52	W2ODH/6 -L	34	WD3R/2 -L	33	K1GX	7	K1GX	11	K1GX	4	K2DH	3
K8EB -L	82	W7XU -L	46	W2UR	26	W2UR	31	W0RSJ	7	W0RSJ	9	W0RSJ	4	W0RSJ	3
WA8WZG	76	WD3R/2 -L	46	W0RSJ	25	N2XTX -L	30	N3ADC	5	N3PUR	8	K2TVI	4	K1GX	2
								K2FK	5	K2TVI	8			WA2OMY	2

-L denotes Limited Multipoperator

QSO Leaders By Band

Single Operator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
KB2ZVP	540	K3VGX	645	K1TEO	122	NC1I	203	K1TEO	49	K1TEO	62	W3RJW	28	W3RJW	16
K1TEO	275	K1TEO	437	N3EXA	112	K1TEO	180	N3NGE	44	W3RJW	60	W2PED	26	W2SJ	12
W0UC	269	K1UHF	426	W3RJW	107	KE6GFF	171	W2SJ	40	WA3NUF	51	W2SJ	24	W2PED	11
K3ZO	254	KB0LYL	313	WA2FGK	95	N3FUJ	151	W3RJW	40	W2SJ	49	WA3NUF	23	WA3NUF	10
K1RZ	253	K2WKA	302	WA3NUF	92	WA2FGK	131	WA2FGK	40	WA3DRC	49	N3NGE	23		
										N3NGE	49				

Multipoperator

50 MHz		144 MHz		222 MHz		432 MHz		902 MHz		1296 MHz		2304 MHz		3456 MHz	
K2TVI	533	W0RSJ	563	K2TVI	139	WA8WZG	190	W2UR	53	WA8WZG	86	W2UR	36	WA8WZG	18
W0RSJ	455	WA8WZG	411	W2UR	120	K2TVI	166	WA8WZG	46	W2UR	63	WA8WZG	26	W2UR	17
K2BAR -L	393	W2UR	408	W2ODH/6 -L	114	W3IP -L	165	K2FK	31	W0RSJ	34	K2FK	14	K2DH	5
N2XTX -L	351	K2TVI	397	WD3R/2 -L	106	WD3R/2 -L	137	W0RSJ	30	K2TVI	29	W0RSJ	10	WA3OMY	5
W2UR	340	N3ITT	382	W0RSJ	101	W0RSJ	135	N3ITT	25	N3ITT	28	K2TVI	8	K1GX	4
						W2UR	135			K1GX	28				

-L denotes Limited Multipoperator

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)			Southeast Region (Delta, Roanoke and Southeastern Divisions)			Central Region (Central and Great Lakes Divisions; Ontario Section)			Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)			West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)		
K1TEO	415,776	S	K2UOP	68,912	S	W0UC	211,500	S	W8CM	104,250	S	N6HKF	46,250	S
WA2FGK	271,744	S	K4QI	52,216	S	N2BJ	151,704	S	W0ZQ	68,208	S	N6AJ	36,635	S
W3RJW	255,112	S	K4RTS	43,992	S	KE8FD	150,308	S	W6OAL	60,250	S	W3SE	32,956	S
N2EZS	3,030	Q				N8XA	7,776	Q				W6ZN	5,238	Q
WB2AMU	1,513	Q				N9MYK	2,808	Q				WA7VHF	1,258	Q
AB2FW	1,100	Q				W9GKA	518	Q				KQ6TI	1,168	Q
W2UR	457,732	M	WS4W	11,505	M	WA8WZG	794,300	M	KK5IH	26,730	M	W6TOI	35,776	M
W0RSJ	318,200	M	K4SZ	6,930	M	W8BAE	7,920	M	W0KVA	19,809	M	K6WLC	25,114	M
K2TVI	266,400	M	W4ATC	1,020	M	VE3OJN	2,639	M	N5PMP	2,739	M	K6EME	19,467	M
WD3R/2	200,424	L	K8UC	32,136	L	K8EB	109,200	L	W7XU	86,450	L	W2ODH/6	152,520	L
N2XTX	153,901	L	KV4I	31,027	L	WD9EXD	20,090	L	K5BZM	32,612	L	WB6NTL	27,048	L
W3IP	151,796	L	N4ION	28,320	L	VA3AEC	12,720	L	WA5BU	7,332	L	KF6RDO	15,435	L
N3IQ	1,391,942	R	K8GP	827,372	R	N8KWX	54,912	R	N0HJZ	122,848	R	N6TEB	36,672	R
K3QII	175,440	R	NT4L	21,840	R	W9FZ	37,740	R	K0MHC	102,311	R	N6IFVW	23,715	R
N1MJD	119,140	R				K9KJ	34,776	R	KC5YOV	86,420	R	N6DN	20,139	R

S = single operator; M = multipoperator; L = limited multipoperator; Q = QRP; R = rover

new Multi-Op Scores for their divisions. Limited Multi-Op division records were established by W7XU (Dakota), K8EB (Great Lakes), WD3R/2 (Hudson), and WB6NTL (Pacific). Rover marks were bettered by N3IQ (Atlantic), NT4L (Delta), K8GP (Roanoke), K0MHC (West Gulf) and VE3OIL (Canada).



Before the near 60 MPH winds finally destroyed the makeshift shelter, KK6R made as many QSOs as possible.

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Affiliated Club Competition

	Score	Entries
Unlimited Category		
Mt Airy VHF Radio Club	2,792,141	52
Medium Category		
Potomac Valley Radio Club	2,044,824	23
North East Weak Signal Group	1,443,167	36
Northern Lights Radio Society	881,864	37
Rochester VHF Group	614,468	23
Murgas ARC	381,836	4
Western States Weak Signal	238,809	13
Badger Contesters	155,613	20
Yankee Clipper Contest Club	146,165	10
South Jersey Radio Assn	84,177	19
Rocky Mountain VHF Society	63,852	9
Six Meter Club of Chicago	50,737	27
Crawford ARS	41,508	11
Quaboag Valley ARC	24,468	4
Hampden County Radio Assn	22,610	9
Warminster ARC	22,493	18
St Croix ARC	18,239	4
Rochester (MN) ARC	7,469	25
Mobile Sixers Radio Club	3,422	9
Local Category		
Sussex County ARC	206,689	3
Delaware Valley VHF Society	148,769	7
Bergen ARA	82,471	3
Drumlin ARC	80,334	4
Green River Valley ARS	42,597	3
Hudson Valley Contesters and West Valley ARA	36,148	4
Tippecanoe ARA	8,257	7
Northern New York Contest Club	7,636	6
West Park Radiops	6,617	4
	990	3

Breaking any record is an accomplishment. Congratulations to these fine operators.

In the club competition, the Mt Airy (PA) VHF Radio Club reigns supreme. The Pack Rats win yet another gavel. See the sidebar for some of the "secrets" to their success. In the Medium Category, the Potomac Valley Radio Club comes out on top. Both top rover scores (reduced for out-of-area QSOs) allowed PVRC to stay comfortably ahead of the North East Weak Signal Group. The Sus-

Welcome Jay Mabey, NU0X

With the January VHF Sweepstakes we welcome Jay Mabey, NU0X, as the new Contest Branch assistant manager. For the last 11 years Jay has worked in the Regulatory Information Branch and Field Services Division. Some of you may have dealt with Jay while he was editor of *The ARRL Repeater Directory*. He is going to be a great asset to our operation!—Dan Henderson, N1ND

A Rover Success Story—N3IQ

Terry Price, WD8ISK, usually heads the Spruce Knob K8GP multi-op, but he doesn't go out in January because of the weather. He asked if he could assist a "super rove" effort with driving support and equipment. I agreed: my role was route planning, advertising, coordination and operating.

The goal was to hit a ton of grid squares, operating mobile and running kilowatt amps with rotating antennas. I started with a plan that would hit 17 or 18 grids and leave some time at the end for a mountaintop expedition to work the Ohio, Michigan and Kentucky guys if we could. The weather ended up reducing the objective to 15 grids. I determined that if I could actually operate 25 or more hours instead of my usual 17, then we could realize a huge score.

Meanwhile, Owen, K6LEW, who had partnered with me in the past, asked if he could tag along with his super rove. At first we thought that joining forces would be counterproductive, but we finally decided to meet frequently along the way to ensure that we got all the mults we could from each other. We kept these meetings short, but productive. One group started at the microwave end and moved down; the other started at 6 meters and moved up. As soon as that was finished, we split up and gave as many Qs and mults as possible to others.

The kilowatt amps and mobile antenna worked beautifully. At least 15 different stations worked us 20 times or more. Without the luxury of mountaintop locations, contacts on 1296 MHz and higher were more difficult. Much more CW was used than normal—about 40 percent of our microwave contacts. It was fun to randomly hook up with N3KTV near the grid corner

of FM 18/19/28/29. He was using a coffee-can antenna designed by W3EKT on 1296. It worked wonderfully!

We also managed to hook up with local law enforcement on several occasions. A local officer kicked us off our FN42 site saying we were in a dangerous location. A friendly cop let us operate from Palisades Park in FN30 despite it being closed. The police chief on the Chesapeake Bay Bridge/Tunnel was turning back most vehicles because of very high winds, but allowed us to pass because of a prior relationship we had established with him (he recognized me from past trips and we had obtained prior permission to operate on the bridge).

We decided to head home after the Virginia Beach stop because we were tired. Mobile operation did continue en route to Terry's place with a safe arrival not long after the contest ended. We maintained good rates right to the end. I even managed to make it to work on Monday, though I didn't catch up on my sleep until Monday night!

Kudos go to Terry, WD8ISK, for this effort. He is one of the most under-recognized contributors I have met. Terry is always helping new guys, putting up towers and antennas for free, fixing broken equipment and mastering multiop contest stations. He was clever enough to fix our broken generator, something I could never have done. We made an impressive scoring tally during the January VHF Sweepstakes, lit up the VHF/UHF bands in our area and, most of all, enjoyed ourselves!

—Brian Skutt, ND3F

sex County ARC went toe-to-toe with the Delaware Valley VHF Society and comes out as the champion of the Local Category.

The 2000 January VHF Sweepstakes, which is scheduled for January 22-24, 2000, will be the first in which the more intensive log checking by the Contest Branch will be implemented. The log checking software is

under development. Stations who log with computers need to submit their electronic log files with their entry. Stations submitting paper logs that have been computer generated will be contacted to submit the electronic files for scrutiny. All electronic files must comply with the standard ARRL file format (found annually in the "General Rules

for all ARRL Contests" printed in the November 1998 QST and available at the Contest Branch Web page). Also, don't forget that the rules change allowing High and Low Power Single Operator categories goes into effect with next year's event. What will you find when you bite into your box of chocolates next January?

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, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, I = 10 GHz). Band winners are highlighted.

1																							
Connecticut																							
K1TEO	415,776	1149	213	S	ABCD9EFG	WG1Z	24,302	313	58	S	ABCDE	W1VHF (K1RWK,K1DAM,K1AST,WF1B, W1JUM,ops)	18,200	332	50	M	ABDE	W2ENY	2,596	118	22	S	AB
K1UHF	225,295	927	157	S	ABCD9EFI	WB1FKF	9,880	94	38	S	ABCD9EFGHI	W1JUM,ops)	18,200	332	50	M	ABDE	W2LGB	2,205	91	21	S	ABCD
WZ1V	154,187	662	131	S	ABCD9EFG	W1WVV	8,200	173	41	S	ABD	W1A1M	23,821	224	83	S	ABCDF	WA2BAH	2,160	107	15	S	ABCD9E
N1NQD	43,425	414	75	S	ABCD9E	K1UR	5,365	143	29	S	ABCD	K1LPS	4,551	100	37	S	ABD	KA2MUCU	1,845	89	15	S	ABCD9E
W1COT	33,370	336	71	S	ABCDE	K1RV	2,958	100	29	S	ABD	KG1M	3,026	71	34	S	ABCD	N2SQQ	1,632	96	12	S	BCD
K1EM	30,558	370	66	S	ABCD	AA1O	1,616	101	16	S	AB	N1DPM	133,701	540	123	S	ABCD9EFG	KC2DZB	1,584	89	16	S	ABD
W1XX	12,716	248	44	S	BD	W1SBD	1,606	64	22	S	ABD	W1MBA	59,046	322	78	S	BD9EFGHI	NV2U	1,020	64	10	S	BDE
KE1CO	7,956	180	36	S	ABD	N1VQR	1,088	50	16	S	ABCD	N1MUW	18,928	260	56	S	ABCDE	NV2Y	1,020	64	10	S	BDE
K1RO	6,780	207	30	S	ABD	W1D1Y	770	70	11	S	A	NC1I	15,244	207	37	S	BCD	KA2CYN	949	73	13	S	AB
N1SAX	6,400	174	32	S	ABD	KV1J	420	35	12	S	AB	K1S1W	13,950	239	45	S	ABCD	K2RI	741	38	13	S	BCD
K1KI	5,778	209	27	S	ABD	K1GM	63	21	3	S	A	K1MAP	13,950	216	45	S	ABCD9EFG	KB22TQ	660	66	10	S	AB
W3EP	5,760	180	32	S	AB	K1QM	63	21	3	S	A	N1S1F	9,916	241	37	S	ABD	KA2TJZ	496	44	8	S	BCD
K1CPJ	5,423	129	29	S	ABCD9EF	N1JOY (+WA1LBK,KA1LH)	13,200	201	48	M	ABCD9E	N1FUS	8,460	187	36	S	AB	W2FW	450	42	10	S	ABD
K1WVX	5,115	122	31	S	ABCD9E	KA1EKR (+KA1CLX)	8,280	200	30	L	BCDE	N1MHM	5,408	129	32	S	ABCD	AA2CW	384	41	8	S	BCD
KB1HY	5,024	157	32	S	AB	K1NKR (+K1ER)	5,952	142	32	L	ABCDE	N1MIA	4,588	124	31	S	ABCD	N2PEO	360	72	5	S	B
W1QJL	4,788	128	28	S	ABCD	W1X1M (KB1DCA,KB1CGZ,KB1DPK,W1GSL,ops)	3,402	133	21	L	BD	K1W1A	4,455	107	33	S	ABCD	N2JUP	312	48	6	S	BD
W1NWE	4,282	122	29	S	BDE	W1SMH	3,059	118	23	L	ABD	N1RSY	2,286	127	18	S	B	KB2JUJ	222	34	6	S	ABD
K1ZZ	3,255	155	31	S	A	N1RUY	12,654	174	57	S	ABCD	N1VOR	522	58	9	S	B	KC2ELT	114	15	6	S	ABCD
W1WHL	2,430	135	18	S	A	NY1E	1,008	36	14	S	C	K1M1U	188	43	4	S	BD	WA2IWW	105	34	3	S	BD
N8WXQ	2,100	105	20	S	AB	N1DGF (+K1ZE)	2,080	68	26	L	ABCD	N1MUV	496	55	8	O	ABD	AB2AF	105	15	7	S	AB
W1A0HR	1,558	75	19	S	ABD	N1W1X	11,154	242	39	L	ABD	W1N1Y (W6IS,WA1HHN,W1UPH,K1RBS,N1TQP, K1ILZ,N1WGx,ops)	20,859	359	51	L	ABCD	WZ2X	60	11	4	S	BCD
N1OPO	1,400	86	14	S	ABD	K1TR	87,696	525	108	S	ABCD9EF	W1X1 (+K1TTT,PacketCluster)	8,588	226	38	L	AB	N2ZOE	55	10	5	S	BD
K5FUV	1,377	81	17	S	AB	AF1T	53,679	319	87	S	ABCD9EFGHI	K2V1P	11,832	216	51	S	ABC	K2VAP	38	9	4	S	AB
W9JL	1,260	60	21	S	AB	WA1HOG	31,525	304	65	S	ABCD9E	W3HHN	34,830	350	81	S	ABCD9E	N2TJUJ	33	11	3	S	A
N1FZE	804	67	12	S	AB	AC1J	13,865	231	47	S	ABCD	KB2HQ	27,200	256	64	S	ABCD9EFGHI	K2FYX	27	9	3	S	A
K1DIJ	450	50	9	S	AB	KU2A	8,679	168	33	S	ABCD9E	W2FCA	18,880	165	80	S	ABCDE	N2B2A	24	12	2	S	AB
W1AGTP	432	36	12	S	AB	N1XQQ	2,652	102	26	S	AB	WB2WHD	16,302	209	57	S	ABCDE	N2UID	6	3	1	S	D
N1BAH	90	15	6	S	A	N1JHJ	2,400	87	24	S	ABD	N2MSS	13,846	202	46	S	ABCDEI	KB2TYK	6	2	2	S	BD
N1KB	72	18	4	S	AB	KD1AW	1,995	105	19	S	B	WG2E	11,832	216	51	S	ABC	KC2CYT	18	9	2	O	B
N1QVQ	40	20	2	S	B	W1OAJ	1,995	90	21	S	ABD	W2GKR	4,884	148	33	S	AB	KB2VQS	1	1	1	O	B
K1GX (+KB1H)	119,064	597	123	M	ABCD9EFGH	W1OA	1,005	60	15	S	ABCD	W2JHO	3,294	140	18	S	ABCD	KC2BYZ	1	1	1	O	B
W1NRG (W1ATV,KE1AV,ops)	700	70	10	M	A	WB1FLD (+ops)	11,154	242	39	L	ABD	K2TVI	20,859	359	51	L	ABCD	W2RY	6,426	238	27	L	AB
W1QK (+AA1MY,N1TIV,N1TMG,N1IABY,KA1SYG, N1GS,ops)	39,300	564	60	L	ABCD	Rhode Island	11,154	242	39	L	ABD	K2V1P	11,832	216	51	S	ABC	W2R (4ops)	6,426	238	27	L	AB
W1AW (N1ND, KC1SX, ops)	1,392	87	16	L	AB	KM1X	23,187	326	59	S	ABD	N2MFC,N2GGZ,N2GDY,N2GKM,N2HTT, N2N1W,WB2BTJ,WB2NHC,ops)	266,400	1289	148	M	ABCD9EFGHI	W2IR (+W2GY,W2ZX)	318	47	6	L	BD
Eastern Massachusetts																							
K5MA	72,576	570	96	S	ABCD	K8BGZ	1,558	81	19	S	ABD	W2MU (+KY2J, W2XL, NA2N)	18,468	289	54	L	ABCD	W2RE (+ops)	6,426	238	27	L	AB
W1GHZ	67,890	481	93	S	ABCD9E																		
W1PM	38,924	376	74	S	ABCDE																		
N1GJ	24,957	266	59	S	ABCD9EFG																		

N6VMO	728	31	14	S	BDE	WB8AUK	10,269	132	63	S	ABD	N0VSB	42,642	317	103	S	ABCDE	VE3NPB	2,275	51	25	S	ABCDEIP	
KK9MM	342	18	9	S	ABCD9E	K8MR	8,910	138	54	S	ABCD	K0RI	9,291	163	57	S	AB	VA3AEC (+VE3MPQ)	12,720	179	60	L	ABD	
N6ZE	336	28	12	S	AB	K8BUJZ	8,164	157	52	S	AB	W0EIT	7,176	124	39	S	ABCDE	Manitoba						
W6JBN	250	15	10	S	AB	K8BSTK	7,752	119	51	S	ABD	W0FTV	5,494	117	41	S	ABDE	VE4KQ	1,040	40	20	S	ABCD	
KF6OIF	217	7	7	S	BDE	K8BUJU	7,020	120	52	S	ABD	W0VCF	5,032	107	37	S	ABDE	VE4KBG	210	21	10	S	AB	
KF6NXX	4	1	1	S	B	K8AB	4,092	104	33	S	ABD	N0POH	4,990	109	34	S	ABCD	British Columbia						
K6WLC (+WB6QIW,KF6OKW,KD6UUN,ops)	25,114	265	58	M	ABCDE	WB8RNC	3,422	118	29	S	B	K0I01	3,658	104	31	S	ABD	VE7AGG	4,553	129	29	S	ABD	
Santa Clara Valley						WD8AML	2,816	71	32	S	ABD	K00VT	2,664	72	37	S	AB	Rovers						
AA6W	3,564	124	18	S	BCDE	W8SA	2,511	81	31	S	AB	W3DHT	1,887	51	37	S	AB	Atlatic						
KF6MXX	2,244	103	17	S	ABD	KC8BZV	1,856	60	29	S	ABD	N0UGY	1,700	54	17	S	ABDEI	K8GP	827,372	1024	182	R	15	ABCD9EFGHJLP
K6PUD	1,287	69	13	S	ABDE	KF8VU	1,139	59	17	S	ABD	N0NKG	1,078	53	14	S	ABD	K3QII	175,440	687	86	R	15	ABCD9EFGHIJ
KD6PAO	1,272	106	12	S	B	K0RLC	1,122	45	25	S	B	K0CS	940	47	20	S	A	W2FU	89,424	463	75	R	6	ABCD9EFGHI
N6DE	808	72	8	S	BD	N8VLA	1,105	107	17	S	ABD	K0RZ	700	20	7	S	EI	K2TER	63,650	381	67	R	7	ABCD9EFGH
K6FOB	363	21	11	S	ACD	KB8YF	732	51	12	S	ABD	W0KVA (+N0WBW)	19,809	225	71	M	ABCD9	N3KTV	30,636	242	36	R	6	ABCD9EFGH
KQ6OB	336	36	6	S	BD	W8IDM	600	41	12	S	ABD	lowa						K1DS	18,480	293	33	R	3	ABCD9EFGH
KD6WG	205	31	5	S	BD	KC8JNC	585	45	13	S	AB	K0KD	19,046	167	89	S	ABCDE	Central						
KF6QXN	195	25	5	S	BDE	N8DQT	585	45	13	S	AB	K0MGS	10,915	185	59	S	B	N8KWX (+KE9NA)						
K6BTR (+KE6PF1)	312	36	8	L	ABD	KC8CFI	364	21	13	S	BD	K0VYC	6,798	103	58	L	ABD	W9FZ	54,912	530	78	R	8	ABCD
San Diego						N8WS	270	27	10	S	B	N0SPP	3,927	70	51	S	ABC	K9KJ	34,778	327	72	R	8	ABCD9E
K6IAH	297	29	9	S	ABD	W8B1	108	19	4	S	BD	N0PVP	1,320	46	24	S	ABCD	KB9PCW (+KS9W)	10,277	203	35	R	8	ABD
San Francisco						N8TQT	63	19	3	S	ABD	N0QHF	902	41	22	S	AB	W9GA (+N9PMP)	9143	159	41	R	4	ABCD
WA6KLL	13,230	198	49	S	ABCD9	N8QQA	50	19	2	S	BD	K0PLX	459	26	17	S	ABD	KF0UK (+N0WE)	5445	111	33	R	5	ABCD
K06MX	2,100	97	14	S	BCD	N8QWJ	46	18	2	S	BD	Kansas						Dakota						
K21YQ	1,001	40	13	S	BDE	N8LIS	44	16	2	S	BD	N0LL	51,100	304	146	S	ABCDE	N0HJZ	122,848	876	88	R	12	ABCDE
Son Joaquin Valley						N8XA	7,776	111	48	Q	ABCD9E	N0NGY	31,020	250	110	S	ABDE	K0BZT	3,705	167	19	R	5	ABD
N6AJ	36,635	273	85	S	ABCD9E	WB8VZG (+WA8RJF, W5ZL, W5LUA, N2CEI)	794,300	126	325	M	ABCD9EFGHIJ	N0JK	1	1	1	Q	A	KB9PCW (+KS9W)	10,277	203	35	R	8	ABD
K6MYC	14,999	204	53	S	ABCD9E	W8BAE (K8USA, W8M1, ops)	7,920	135	48	M	ABD	K5B2M (+K5CM, N5KW, ops)	32,612	249	124	L	ABCD	KF0UK (+N0WE)	5445	111	33	R	5	ABCD
KF6IRZ	6,501	161	33	S	ABCDE	West Virginia						K00AHN (K80YHU, AA0RC, K80OPH, K80YHT, K80YVM, K80BFA, K80BVC, K80BYF, NSCLU, ops)						Dakota						
K8YOS	1,026	54	19	S	AB	K2UOP	68,912	366	118	S	ABCD9E	W0BDR	1,334	38	29	L	ABDE	K0BZT	3,705	167	19	R	5	ABD
K8YOS	918	54	17	S	AB	W4EJL	42,322	368	88	S	ABCD	Minnesota						K0PSS (+K4MMYC)	3,190	111	22	R	6	BCDE
WA6QYR	448	32	14	S	B	W8BWW	2,522	21	12	S	B	W0ZQ	68,208	365	116	S	ABCDE	N0HJZ	122,848	876	88	R	12	ABCDE
KF6CNV	245	49	5	S	B	K8JF	32,136	222	104	L	ABCD	K80YJUK	52,800	343	120	S	ABCD	K0BZT	3,705	167	19	R	5	ABD
KF6KDA	228	33	6	S	BD	W8BQDQR, N8DIR, K8DM, ops)	242	22	11	L	B	K0GJX	37,600	257	94	S	ABDE	N0ADQ	688	71	12	R	4	BD
KE6ME (+AA6AH, N16G, W6TE, K6MI, K86HRB, KF6KDC, W6LUT, K6QPO, KFJSO, ops)	19,467	203	63	M	ABCD9E	Illinois						K0R9Y	32,868	277	83	S	ABDE	K0DQW	252	30	6	R	2	BD
Sacramento Valley						N2BJ	151,704	650	168	S	ABCD9E	W0BLJZ	26,078	278	59	S	ABCD9E	K7CJO	216	36	6	R	2	B
N6KBX	24,448	249	64	S	ABCDE	K2DRH	40,002	292	118	S	ABD	K0B7ZA	18,450	249	50	S	ABCD	K80RJR	212	53	4	R	2	B
KC6ZWT	16,606	242	46	S	BCD	W91IX	37,665	321	93	S	ABCD9E	W0ZVOI	17,150	343	50	S	ABCD9	N00N	45	8	5	R	2	BD
KC6TEU	9,534	182	42	S	ABE	WA9FH	16,483	255	53	S	ABCD	W0KNC	15,860	252	52	S	ABD	KC5TH	28	7	4	R	2	B
KA6VQV	3,836	91	28	S	ABCD	WA9CCQ	10,450	225	38	S	ABCD	K0PFC	14,826	254	42	S	ABCD9	WA0VHX	25	5	4	R	2	B
WB6NTL (+W6PJJ)	27,048	271	69	L	ABCDE	W8VSP	7,280	104	65	S	ABD	N0JHJ	13,248	191	48	S	ABCD9E	WA5YLZ	24	6	4	R	2	B
7						K8S8	4,905	95	45	S	ABD	W0AUS	13,115	190	43	S	ABCD9E	N0HZN	16	4	4	R	2	B
Arizona						W9VA	4,687	104	43	S	ABC	W0OHU	12,012	178	52	S	ABD	Delta						
KE7FC	7,473	115	53	S	ABCD	K9XF	4,428	96	36	S	ABCD9E	N0ZIW	7,590	184	30	S	ABCD	NT4L (KQ4TV, KB4IDC, ops)	21,840	233	59	R	11	ABCD
KF7JS	375	19	15	S	ABD	W9JXN	4,263	124	29	S	BD	W0EPZ	7,421	144	41	S	BCD	Great Lakes						
WA7VHF	1,258	60	17	Q	ABD	W8SXR	3,850	60	35	S	BCD9E	N0SRQ	5,989	96	53	S	ABDE	N8ZCA (+N8LGP)						
KE6NRO/7 (+K6CYS)	2,208	47	32	L	ABCD	W9R1J	3,465	139	21	S	ABD	K00BY	4,563	107	37	S	ABD	NE8I	1,456	13	10	R	4	GHJ
Eastern Washington						K9MJA	2,640	110	24	S	B	K00YL	4,382	313	14	S	B	KB8SW	1,127	49	16	R	7	B
W7FHI	4,235	94	35	S	ABCD9	W9JG	2,618	109	24	S	B	W0LCP	2,475	83	25	S	ABD	Hudson						
N7AU	3,906	96	31	S	ABCDE	N9NK	2,581	89	29	S	B	K00WAP	2,412	215	9	S	ABD	KA1ZE	43,254	446	89	R	2	ABCD
N3CEV	2,187	50	27	S	ABCD9E	N9VKE	2,556	121	18	S	ABD	KA0PNH	2,175	107	15	S	ABCD	N2MMZ	8,722	142	49	R	3	ABD
K7XW (+K7BUE)	13,963	168	59	M	ABCD9E	W9JFM	2,472	103	24	S	ABD	N00N	1,243	94	11	S	BD	KB2SYD	2,562	122	21	R	4	AB
Idaho						WA9BXB	1,974	90	21	S	ABD	W0ABW	1,148	45	14	S	ABCD9E	N2OPJ (+K82YZA)						
N7EJL	2,240	70	28	S	ABD	N9TUQ	1,815	105	15	S	ABD	N0VYV	780	103	6	S	BD	W82BEJ	2,376	108	18	R	4	ABCD
KA7GUX	1,216	56	19	S	ABD	N90BE	1,200	40	30	S	ABD	W0ZOI	780	40	13	S	BD	K82ZVM	1,853	83	14	R	4	ABCD
KJ7TH	570	31	15	S	ABD	K3ZWU	1,177	84	11	S	ABCD	N0QHP	696	54	8	S	ABCD	K82VW	1,185	70	15	R	4	ABD
KC7JQ	195	15	13	S	AB	N9CXC	1,088	53	17	S	ABD	K00VM	451	37	11	S	BD	KF2AB	801	69	9	R	4	BD
W6ADYU	168	14	12	S	AB	N9YZK	1,080	105	8	S	BD	N0RUC	402	59	6	S	BD	KBZCC	649	51	11	R	2	BD
Nevada						K9RKC	1,056	88	12	S	B	K00MK	345	55	5	S	ABD	KF2XY	400	22	10	R	2	BCD9
KC6UCN	1,242	60	18	S	ABCDE	W9CEJ	1,056	88	12	S	B	N0ADQ	318	42	6	S	BD	N2WIG	108	16	4	R	2	D
N7LQ	80	10	4	S	D	W9CJZ	784	84	8	S	BD	W0RNY	288	26	8	S	ABCD	Midwest						
W7PW	18	4	3	Q	BD	W9PMD	504	56	9	S	ABC	N0TMU	243	81	3	S	B	N3KKM	3,300	70	33	R	4	ABCD
KC7SZJ (+KC7THH)	450	35	10	L	ABD	W8NSP	374	45	5	S	BC	AC0W	180	31	5	S	BD	W0RT	176	16	11	R	2	B
Oregon						W9ZJU	305	61	5	S	B	N0PQO	170	34	5	S	B	New England						
W7DSA	4,340	111	31	S	ABCD9	AK9Y	268	67	4	S	B	K00P	154	19	7	S	BD	N1MJD	119,140	764	115	R	16	ABCD
K7HSJ	377	22	13	S	ABCDE	K9TMT	260	52	5	S	B	K00TEH	144	12	9	S	ABD	W1VT (+N7JAL)	7,392	129	32	R	2	ABCD9EFGI
Utah						K9LPL	250	50	5	S	B	N0CCK	132	16	6	S	BD	KX1X	145	29	3	R	2	B
NJ7A	3,836	88	28	S	ABCD9E	W9SE	108	12	9	S	A	N0PDD	130	26	5	S	B	KA1ONX	102	17	3</			