

# Results, 1995 ARRL January VHF Sweepstakes

It was a contest to remember!—*Phil, KE8RO*

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Contest Manager Assistant Contest Manager

Just when you thought things couldn't get much better, along came this year's January VHF Sweepstakes. Were you on this year? If so, then you probably know what we're talking about. No, we didn't get any aurora this year (this makes two years in a row without it—perhaps we need to do something about that!). There wasn't a whole lot of E<sub>s</sub> or tropo to talk about, either. But, Oh! The scores! We saw some finishes this year that are going to be tough to match. It's not every VHF contest when you shatter three overall records and break 20 other division records.

Indeed, there were amazing efforts put in this year. We noticed a lot of great QRP portable scores—there are quite a few operators willing to endure the elements in the name of contesting. And 71 rover stations (up from 66 last year) racked up the frequent-driver miles, proving that it's probably warmer in the car than it is on the mountaintop. At least there were enough of them roving around to keep things interesting. Ken, KP4XS, gave a lot of hams good multipliers to work down through the Delmarva peninsula and into Virginia. We should thank Denise, AJ0E; Ron, KA0RYT; Jeff, KE6ILX; Brian, ND3F; and Walt, NQ2O, for their rover efforts. It takes a lot of work to operate from eight or more grids. In areas where the ham popula-

tion is small (or there are few stations in that grid with microwave gear), rovers quickly become as important to the contester as hot coffee.

Wasn't the band open *anywhere*? Well, yes and no. It was about the usual for January; a couple of brief glimmers of hope, followed by long periods of disappointment. Six meters had a couple of openings, most notably east-west (Texas to Pennsylvania) and north-south (New England to Florida). Beyond those brief periods of excitement, though, it was a "grind 'em out one QSO at a time" type of contest. Most of the excitement came on Sunday morning, although there was a brief opening between the East Coast and the Wisconsin/Minnesota area later in the afternoon.

For many, the Club Competition is the

main attraction. The chance to get on the air and work club members, get local recognition to a lot of people. In this year's club competition, the Rochester VHF Group again took the Unlimited category gavel, with the Mt Airy VHF Club Packrats winning the Medium class. That Medium Club category is getting competitive—the Northeast Weak Signal group finished a close second. It will be interesting to see what happens next year. Kudos to the Bergen ARA, two-time winners of the Local Club Category. Actually, we congratulate all the clubs: The work they did to promote this contest (and our hobby) is invaluable and we appreciate your efforts.

Is your club part of this activity? If you are, make sure you're following the rules!

## Top 10

Single Operator	QRP Portable	Multioperator	Limited Multioperator	Rover
WA8WZG 319,424	NM1K 46,970	N2WK 509,937	K3MQH 502,138	WA2MOP 81,046
WA2TEO 269,744	WX3P 11,952	W2SZ 223,227	K9HMB 142,552	KB3PW 60,938
K1RZ 225,148	K6LMN 9,720	WB2IEY 140,385	N2HLT 108,810	KP4XS 18,423
WA3AXV 156,354	WA5DJJ 8,086	W3JP 104,103	W3HZU 68,714	WO2P 14,701
W2HPF 154,176	KE6JPT 6,402	AA5C 89,100	NU2U 59,710	KE6ILX 13,561
KA1ZE 144,336	N2UNV 4,329	W0RSJ 84,744	W1QK 50,400	KA0RYT 13,450
W0UC 142,868	WA4IOB 3,696	N2DSY 73,874	W2ZO 45,100	N2KXS 13,057
WA3NUF 141,048	N2WVK 3,174	N3ITT 70,883	N2EZX 44,573	NQ2O 11,469
W3ZZ 139,590	N2PBY 3,150	N3ADC 44,022	KE2PM 42,770	N0HJZ 10,423
WZ1V 137,410	N2OUM 3,132	W6TRW 33,252	NO2T 37,908	AJ0E 10,158



Won't you work me on the lone prairie? Gary, WJ7L, operates QRP portable from DM31.



It looks like an aluminum antler convention! Rovers Donn, WA2VOI, and Tom, K0TLM (the other op of AJ0E), meet in a snowstorm.

DENISE HAGEDORN, AJ0E

# Regional Leaders

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

WA2TEO 269,744 S  
K1RZ 225,148 S  
WA3AXV 156,354 S  
W2HPF 154,176 S  
KA1ZE 144,336 S

NM1K 46,970 Q  
WX3P 11,952 Q  
N2UNV 4,329 Q  
N2WVK 3,174 Q  
N2PBY 3,150 Q

N2WK 509,937 M  
W2SZ 223,227 M  
WB2IEY 140,385 M  
W3IP 104,103 M  
W0RSJ 84,744 M

K3MQH 502,138 L  
N2HLT 108,810 L  
W3HZU 68,714 L  
NU2U 59,710 L  
W1QK 50,400 L

WA2MOP 81,046 R  
KB3PW 60,938 R  
WO2P 14,701 R  
N2KXS 13,057 R  
NQ2O 11,469 R

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

K2UOP 102,950 S  
N8TLZ 86,716 S  
KC4YO 61,758 S  
KA2DRH 51,084 S  
N4HB 33,440 S

WA4IOB 3,696 Q  
W3IY4 392 Q  
KE4OAD 108 Q  
KE4NEF 2 Q

KD4MSB 8,372 L  
W4PRO 6,601 L  
AC4UO 3,762 L  
WB4U 3,420 L  
W4HAW 2,465 L

KP4XS 18,423 R  
KS4IS 5,228 R  
N4YZJ 4,484 R  
WA4UCI 3,731 R  
AD4DY 3,088 R

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

WA8WZG 319,424 S  
W0UC 142,868 S  
KE8FD 110,094 S  
VE3ASO 103,224 S  
WA8NJR 102,831 S

N8KWX 2,700 Q  
N8AXA 1,260 Q

AA9AO 14,980 M  
VE3NPB 2,675 M

K9HMB 142,552 L  
N8KOL 19,738 L  
N8ZCA 14,030 L  
WB8JAY 12,031 L  
N2BJ 9,652 L

AJ0E 10,158 R  
K9JK 6,812 R  
KF9US 1,620 R  
N9DEX 1,326 R  
N8FUJ 178 R

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

WA0BWE 98,169 S  
KB0ZQ 53,361 S  
N0LL 42,558 S  
KB0IKP 39,298 S  
N0HJZ 34,992 S

WA2VOI (EN33) 3,016 Q  
WJ7L 624 Q  
WA2VOI (EN34) 200 Q  
K0MHC (EN33) 104 Q  
WB0LJC (EN35) 51 Q

AA5C 89,100 M  
WD0GNK 2,500 M

N0SGL 31,396 L  
KA0JWC 30,363 L  
KB5IUA 28,747 L  
AJ0K 9,768 L  
W0RT 7,128 L

KA0RYT 13,450 R  
N0HJZ 10,423 R  
N0SUO 4,225 R  
KB5UBE 3,146 R  
WB5LUA 2,474 R

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

WB2ODH/6 35,061 S  
N6RMJ 19,467 S  
K7ND 16,986 S  
WB6FCS 15,912 S  
WB4AYE 14,560 S

K6LMN 9,720 Q  
WA5DJJ 8,086 Q  
KE6JPT 6,402 Q  
WA6FIT 364 Q  
KN6JN 270 Q

W6TRW 33,252 M  
WB7VVD 9,450 M

WA6KLK 8,398 L  
N6DN 7,449 L  
K7NC 6,919 L  
KC6UCN 5,522 L  
KB7UWC 4,640 L

KE6ILX 13,561 R  
KD6PUD 5,414 R  
KD6DYK 4,020 R  
WA7OEW 3,352 R  
W6BB 3,030 R



Brian, KD6FSM, "wishes there were more 6-meter openings."



Ed, WA2SCA, holds the microphone while Dave, WA1VGE, tunes for a likely suspect for the KL7JT operation.

Make certain your club's secretary sends in your list of eligible club members, and that your affiliation paperwork is up to date with the ARRL Field Services Department. This can prevent a surprise later when the results come out. Remember, we only list clubs that are actively affiliated.

If your club hasn't tried the club competition in this contest yet, it's missing a great

way to build club camaraderie and have a good time on the air. All your members need to get started in this one is a hand-held transceiver! Why not talk it up at your next meeting?

Where do we go from here? Why, on to the June VHF QSO Party, naturally! June always offers the chance for some real propagation fireworks, sometimes, as Allen Funt would

## Affiliated Club Competition

	Score	Entries	Single-Op Winner
<b>Unlimited Category</b>			
<b>Rochester VHF Group</b>	<b>1,637,138</b>	<b>60</b>	<b>W2HPF</b>
Rochester (MN) ARC	32,450	71	N0CKK
<b>Medium Category</b>			
<b>Mt Airy VHF RC</b>	<b>1,481,643</b>	<b>46</b>	<b>WA3AXV</b>
Northeast Weak Signal Group	1,151,921	31	WA2TEO
Potomac Valley RC	704,666	6	W3ZZ
Northern Lights RS	561,373	40	W0UC
Society of Midwest Contesters	170,428	4	AA9D
Delaware Valley VHF Society	132,935	4	N3FUJ
South Jersey RA	129,592	25	K2YY
Schenectady ARA	121,752	19	W3HHN
Badger Contesters	99,584	24	WA9LWJ
Murgas ARC	96,113	4	WA3YON
Keystone VHF Club	95,285	8	N3JDQ
Brockport Amateur Radio Klub	59,936	22	WB2VPH
Xerox ARC	59,302	19	WM3D
Ventura County ARC	56,930	4	WB2ODH/6
Yankee Clipper Contest Club	56,268	3	N1NQD
Six Meter Club of Chicago	48,896	29	WA9CCQ
Hampden County RA	33,188	7	K1JAO
Quaboag Valley ARC	33,065	16	K1ISW
Troy ARA	12,658	13	WM2Y
Michigan City ARC	11,960	3	K9DZE
Frankford RC	9,191	4	KZ2S
Albany ARA	9,032	9	WB2VVQ
Northern California Contest Club	8,957	4	AJ6T
Fox River Radio League	7,307	11	N9WJI
South Bay ARC	6,038	4	KD6FSM
Franklin County ARC	3,617	3	KD1XP
Rochester (NY) DX Assn	2,668	8	WA2LCC
Mobile Sixers RC	2,406	8	W3AWA
<b>Local Category</b>			
<b>Bergen ARA</b>	<b>130,775</b>	<b>10</b>	<b>N2RBJ</b>
North Texas Microwave Society	94,720	3	—
Hudson Valley Contesters and DXers	36,375	5	W2XL
Ashland ARC	22,704	3	K1BL
Rochester Radio Repeater Assn	8,313	7	AA2RS
10-70 Repeater Assn	4,086	4	WB2RQX
Huber Heights ARC	1,874	7	N8CCC
Hudson Watershed VHF Society	48	3	N2GKM



Bob, N1NUM, operates the 2-meter station at the Merrimack Valley ARA's WB1FLD operation.

say, "when you least expect it." Don't miss the chance to pick up that new grid when the band opens—get on the air!

### SOAPBOX

Band conditions on 6 weren't great, but I worked the Bahamas, a new DXCC country and grid square for me. I hope more people try FM, in addition to SSB (N8WXQ). Where was the opening that's supposed to occur at the end of every VHF contest? (N1DGF). We had zero enhancement on any mode during my operating times (WA1T). We had a good time, although we won't have 6 meters next year. At least the barbecue was good! (XE2WDX). Conditions were flat and there was poor DX on the microwave bands, but the extra activity made it fun anyway (WA1MBA). For the second year in a row, activity was outstanding! This time, except for a few hours to the northwest on Sunday, I didn't have any static, either. We did have a brief band opening on 2 meters to the north, and I certainly didn't expect to be called by VE2XX (WB2CUT). We had a great mix of new and old hams (N2VLA). I hadn't planned to enter this contest, but after a few contacts, it turned into a lot of fun. (WA2BKN). Between blowing up ac sockets, tripping breakers with my TWT, repositioning my rotating tower in 10° weather, and having my PC crash multiple times, I



On the hunt from a great location, Gary, WA4IOB, won the Southeastern Division in the QRP portable class.

### A Overview of Three Great Efforts

When you have a contest like this, you don't want to just list who won what and leave everyone wondering where, how and why. Here's a thumbnail sketch of this year's efforts by Tom, WA8WZG; Wayne, N2WK, and his group from upstate New York; and Dick, K3MQH, and his crew.

#### By the Shores of Lake Erie

It used to be said that to win in a VHF contest, your station needed to be somewhere between Boston and Washington. Tom, WA8WZG, has disproven that myth. He has now won the single-operator category in the past four ARRL VHF/UHF contests—this year's January VHF SS, last year's June and September VHF QSO Parties, and the UHF Contest. A dynasty is born! Will anyone rise to accept the challenge? The East Coast may have a high density of hams, but Tom's super microwave setup makes up for a lot of that. His location in Sandusky, Ohio, gives him another advantage. Tom has a virtual over-the-water shot to the Rochester, Toronto, Detroit and Chicago areas, and working those areas on 3.4 and 5.7 GHz does the trick in a big way.

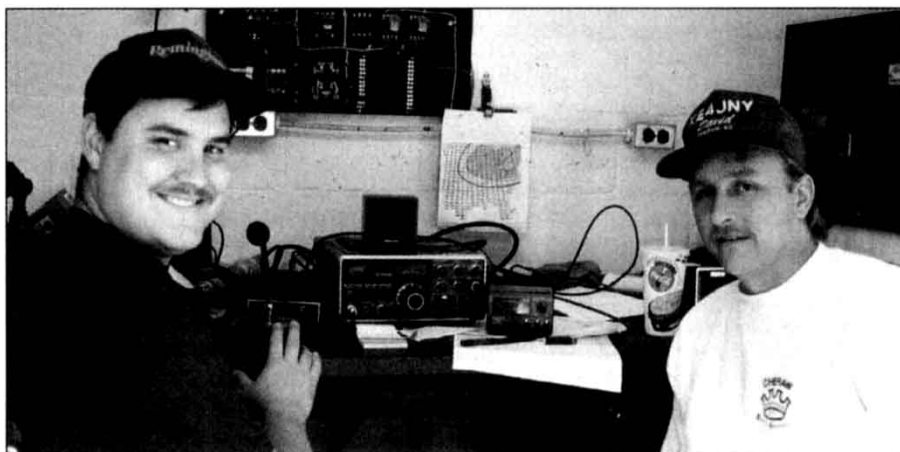
Tom wasn't the only one to produce stellar scores this year. Wayne, N2WK, topped the multioperators with a 500k score, and K3MQH's final score wasn't far behind. This is even more impressive when you recognize that K3MQH was a limited multiop effort.

#### The Club's the Thing

For the crew with Wayne, N2WK, the foundation of their effort makes use of the intense interclub competition the Rochester VHF group generates each year. The competition attracts the interest of almost every ham between Syracuse and Buffalo, and their rich awards program, culminating in the Rochester Cup, is a focal point of activity for many groups during the winter. These people all show up, especially on FM. As more newcomers to Amateur Radio in that area find out about contesting, the FM subbands have come alive with signals. Wayne estimates they made 30 to 35% of their contacts on FM this year, as opposed to 22% last year. This, and expansion of the group's activities into the higher bands (they made 14 contacts with laser rigs), made the difference. They're already working on making more equipment for people in the area to use on 10 GHz and laser. Those 8-point QSOs sure pay off! Wayne figures that with a little more work and decent conditions, he can begin the final assault on the heretofore thought-to-be-unbeatable record, the W1VD 614k score from 1985 (done under a different scoring system).

#### How Do You Win? Work Everybody

For those of you who think that the K3MQH crew spends their time working everyone imaginable on FM, think again! Only 24% of their incredible 872 2-meter QSOs were on FM. Dick, K3MQH, related, "I couldn't believe there were that many people out there on 2-meter SSB!" How many of them did *you* work? Their 432-MHz QSO total was more than double what their closest challenger, the K9HMB crew, had. Their grid totals were incredible, too. How do you work 61 grids on 2 meters when there isn't any propagation to speak of? You just work absolutely, positively every grid in a 400-mile radius. The same story shows up on the other bands—virtually every grid that could be worked, was worked. It must be a case of some people being slaves to propagation and other people making their own conditions. These hams worked long and hard to finish where they did, and we congratulate them for their efforts.



Once they heated up their building, (l-r) Marvin, KD4ZMR and David, KE4JNY, of the KD4ZMR group, found a nest of dormant wasps that thought summer had arrived early.

## QSO Leaders By Band

## Single Operator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz	2304 MHz	3456 MHz
K2EK 294	WA2TEO 401	WA3AXV 117	K1FO 233	WB2YEH 35	WA4VHF 62	WA8WZG 23	W2HPF 13
WA2TEO 243	WB2QOQ 381	WA2TEO 109	NC1I 228	WA3AXV 35	WA3AXV 58	WA3AXV 17	WA3AXV 12
W3EP 202	KA1ZE 380	K3GNC 96	WA3AXV 144	WB3JYO 33	WA8WZG 57	WB2YEH 16	WB2YEH 11
WZ1V 194	N2NEP 356	N3EXA 91	K1RZ 140	WA2TEO 33	WB3JYO 48	WA3NUF 16	WA8WZG 11
NY1E 166	N3OPM 348	N3DQZ 90	WA2TEO 136	W2HPF 32	WB2ELB 48	W2HPF 15	K2AN 11
W1WHL 163	K1RZ 336	WA3NUF 90	KA1ZE 128	WA3NUF 31	WB2YEH 47	N2SB 15	WA3NUF 10
K1EM 161	WB2CUT 300	WA3JUF 87	WA8WZG 117	WA8WZG 30	WA3NUF 46	N2ODK (FN13) 14	WB3DNI 10
K1RZ 156	N3FUJ 289	WB2YEH 87	WB2DNE 116	WA3JUF 28	K1RZ 45	WB3JYO 14	WB3JYO 10
N2UAH 153	WZ1V 283	WB3JYO 86	WZ1V 115	WB3DNI 28	WA2TEO 40	KD2YB 13	N2SB 10
K2MLB 151	K1TR 282	K1TR 84	K1TR 115	WA2ONK 26	N2SB 40	K2AN 13	KA2RDO 9
KA1ZE 150	N3NVA 282	N2SB 84	N3FUJ 113	N2SB 26	W2HPF 39	KA2RDO 11	KB3XG 8
K3ZO 147	N3JDQ 277	K1RZ 82	W2XG 113	KA2RDO 25	WA3JUF 37	AK3O 11	N3AOG 7
N3DQZ 144	VE3ASO 271	K2YY 79	N3EXA 112	AK3O 24	WB3DNI 36	WB3DNI 11	KD2YB 7
N1MIA 141	WB2ELB 270	WA8WZG 76	W3ZZ 109	N2ODK (FN13) 24	WZ1V 34	KB3XG 11	WA1MBA 6
W0UC 140	WA3NUF 269	AA2UK 75	K3GNC 107	W3KKN 23	KB3IB 34	WA3JUF 9	KA1ZE 6
						KT2B 9	
						N3AOG 9	

## Multioperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz	2304 MHz	3456 MHz
K3MQH -L 426	K3MQH -L 872	K3MQH -L 178	K3MQH -L 330	N2WK 39	N2WK 52	N2WK 27	N2WK 17
N2WK 260	N3AHF -L 638	N2WK 124	N2WK 196	N3ITT 26	W3IP 29	AA5C 10	AA5C 10
WB2IEY 245	WB2IEY 490	W2SZ 115	WB2IEY 167	W0RSJ 21	N3ADC 27	W2SZ 7	W2SZ 5
N2HLT -L 206	W2SZ 444	WB2IEY 112	N2EZS -L 158	W2SZ 16	W0RSJ 27	W0RSJ 3	WB2IEY 1
NX2Q 194	N2WK 441	N2HLT -L 84	N2U -L 157	W2ZO -L 10	N3ITT 26	W3IP 1	
W2SZ 191	NO2T -L 304	NU2U -L 84	W2SZ 155	N2DSY 8	W2SZ 25		
W3HZU -L 171	W3HZU -L 302	N2EZS -L 82	K9HMB -L 138	WB2IEY 5	N0SGL -L 25		
W1NY 165	K9HMB -L 297	W0RSJ 78	W3HZU -L 137	K3EOD 5	W2ZO -L 18		
N3ADC 152	N3ITT 287	N2DSY 71	N3ITT 126	AA5C 3	AA5C 18		
W0RSJ 145	W2ZQ -L 278	W1QK -L 70	N2DSY 122	KB7UWC -L 3	K3MFI 18		
K9HMB -L 143	W3IP 276	K2AA -L 67	W2ZQ -L 111		N2OML -L 17		
NO2T -L 140	NU2U -L 271	K1MUJ -L 61	NO2T -L 104		N2DSY 16		
W1QK -L 137	W1QK -L 271	W6TRW 60	N2HLT -L 98		W6TRW 15		
N2DSY 126	N2HLT -L 267	K3EOD 56	W6TRW 93		WB3LNZ 15		
N3ITT 114	W0RSJ 266	N2IJI -L 56	W3IP 91		K1MUJ -L 13		

-L denotes Limited Multioperator

## Multiplier Leaders By Band

## Single Operator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz	2304 MHz	3456 MHz
W0UC 67	KE8FD 63	KE8FD 34	KE8FD 41	WA8WZG 18	K1RZ 21	WA8WZG 13	WA8WZG 7
KU8Y 48	N8TLZ 59	N8TLZ 30	K1RZ 36	WA2TEO 17	WA8WZG 20	KA2RDO 5	W2HPF 4
NW3C 48	WA4GPM 56	W3ZZ 30	WA8WZG 36	K1RZ 16	WA4VHF 20	N2HJD 5	KA2RDO 4
WA2TEO 46	WA8NJR 55	W0UC 30	K1FO 36	W3ZZ 12	W3ZZ 14	W2HPF 5	WA1MBA 4
WA8WZG 38	WA8WZG 51	WA8WZG 30	W3ZZ 36	KA2RDO 12	WA2TEO 13	WA3AXV 4	KA1ZE 4
N8TLZ 38	K1RZ 51	K2UOP 30	KC4YO 33	N1DPM 12	K00U/4 13	WA1MBA 4	K2AN 4
K2EK 36	WR0G 51	K1RZ 29	WB9OJR 33	W2HPF 10	N1DPM 10	KA1ZE 4	KD2YB 4
AA2UK 35	NW3C 49	NW3C 28	WB2DNE 33	WZ1V 10	WZ1V 12	K2AN 4	N1DPM 3
K1RZ 34	W0UC 48	WA2TEO 28	NC1I 33	K2UOP 10	WB2ODH/6 12	N2ODK (FN13) 4	WA3AXV 2
W3EP 32	W3ZZ 46	WB2DNE 27	W0UC 33	KA1ZE 9	N0LL 11	KD2YB 4	N2SB 2
KE8FD 32	WA2TEO 46	KB0ZQ 26	WA8NJR 33	WA3AXV 9	KB3PD 11	N1DPM 4	VE3ASO 2
NY1E 32	KA2DRH 46	WA8NJR 25	NW3C 33	WA1MBA 9	KA1ZE 11	N2LBE (FN13) 4	N3AOG 2
WZ1V 32	WA8QNR 46	KA2RDO 25	K2UOP 31	W0UC 9	WA0BWE 11	WA4VHF 3	WB3JYO 2
KA2DRH 31	KC4YO 45	WB9OJR 25	KC4QWZ 31	WA3YON 9	WA3NUF 11	N2SB 3	KB3XG 2
N0LL 31	KF9B 44	WA0BWE 24	N8TLZ 31	WB3JYO 8	WA3AXV 11	WB3JYO 3	WA2OMY 2
	WB9OJR 44		WA2TEO 31			WB2TEO 3	WB2YEH 2
						WA3NUF 3	K1CPJ 2
						WB2YEH 3	NA1W 2
							N2LBE (FN13) 2
							WA3NUF 2
							WB3DNI 2

## Multioperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz	2304 MHz	3456 MHz
K3MQH -L 68	K3MQH -L 61	K3MQH -L 42	K3MQH -L 46	N2WK 13	N2WK 12	W2SZ 6	W2SZ 4
N2WK 49	K9HMB -L 58	K9HMB -L 29	K9HMB -L 40	W2SZ 9	W3IP 12	N2WK 6	N2WK 4
K9HMB -L 46	K9HMB -L 48	N2WK 28	N2HLT -L 29	W2ZO -L 6	N0SGL -L 11	AA5C 4	AA5C 4
N2HLT -L 39	W2SZ 46	W2SZ 26	N2WK 29	N2DSY 5	W2SZ 11	W0RSJ 1	WB2IEY 1
W2SZ 34	N3AHF -L 42	N2HLT -L 23	W3IP 28	N3ITT 4	AA9AO 9	W3IP 1	
KB5IUA -L 33	KE2PM -L 40	W3IP 21	N0SGL -L 24	W0RSJ 4	W0RSJ 7		
AA5C 31	N2HLT -L 39	WB2IEY 19	W3HZU -L 24	WB2IEY 3	W2ZO -L 6		
W1NPP -L 26	WB2IEY 39	W0RSJ 18	W2SZ 23	K3EOD 2	N2DSY 5		
W3IP 26	N0SGL -L 37	KA0JWC -L 17	KA0JWC -L 22	KB7UWC -L 2	AA5C 5		
KE2PM -L 25	W2SZ 36	K1MUJ -L 16	N3ITT 22	AA5C 1	K1MUJ -L 4		
NX2Q 22	KA0JWC -L 36	N2DSY 15	WB2IEY 21		N3ITT 3		
N0SGL -L 21	W3HZU -L 35	N8KOL -L 15	WB8JAY -L 19		K2IYQ -L 3		
NU2U -L 21	AA2GV -L 35	K2AA -L 15	W2ZO -L 19		WD0GK 3		
W1NY 21	W0RT -L 34	W2ZO -L 14	KB5IUA -L 17		WB5OBS -L 3		
K2AE -L 21	WB8JAY -L 34	W1QK -L 14	N8KOL -L 17		W6TRW 3		
N2DSY 21			AA9AO 17		N3ADC 3		
			N2DSY 17		N2OML -L 3		

-L denotes Limited Multioperator

still had 23 hours to enjoy the contest (KA2RDO). Snow and ice kept me off the hill for the last few hours (WB3IOU). I'm thankful to the rovers who made the contest more interesting (WB2DNE). I worked 8 grid squares with 10 W into a home-made copper-pipe turnstile antenna in my attic (KA3ZMW). The bands were so bad I had to check to see if my antennas were still there (KA3SDP). It was like pulling hens' teeth, and that's what made it fun, because you had to work for the contacts (WB5NLJ). I was hoping for more activity. I'll be ready for some "serious fun" come June (N3IXR). The wind was cold and my fingers weren't working

well by the time I put up my antennas. Luckily, I wasn't trying to work CW (W8IJ). Where was the FM activity? (KB3AFT). It was good to hear a lot of new call signs (KA2DRH). Things were on the flat side this time. The high point came when W0UC and I made our scatter contact for the fourth year in a row (K4KAZ). This contest proved what your station was made of, a contest of radio versus radio with little or no propagation (KC4JGS). I'm sure everybody will complain about band conditions on 6 and 2 meters; they were bad. But I found conditions were about normal on 432 and activity was way up. I'm definitely going to get on 222!

(WB4JGG). You have to be dedicated to climb your tower to fix your rotator at 10:30 PM in January! (KC4QWZ). There were no openings of any importance this year. I'm glad we had a few rovers to work! (AD4DG). The cold, windy conditions here didn't do much for extended tropo (W4DO). The increase in activity from eastern New Mexico and western Texas was a big help (K5RHR). We made more QSOs on 2 meters than ever before, with about 15% of the contacts coming with stations that had never been logged before, before the contest or otherwise (KB5IUA). We were on Smith Peak, elevation 5100 feet. It was cold, but we made a lot of QSOs into California on 2 and 432 (WB7VVD).





3

## Delaware

KB3PD	27,584	259	64	S	BCDE
WA3U	10,680	198	40	S	BCD
KB3QM	7,089	124	51	S	ABC
WA3BZT	4,056	156	26	S	B
N3KSE	3,657	138	23	S	ABD
N3CNI	3,298	83	34	S	ABD
N3DNM	1,162	83	14	S	B

## Eastern Pennsylvania

WA3AXV	156,354	719	103	S	ABCD9EFGHI
WA3NUF	141,048	690	108	S	ABCD9EFGI
WB3DNI	63,096	462	66	S	ABCD9EFGHI
N3OZC	60,624	570	72	S	ABCD9E
N3GNC	59,580	498	65	S	ABCD9E
WA3JUF	55,488	452	64	S	ABCD9EFG
WA3YON	52,015	383	101	S	ABCD9
N3FUJ	51,744	599	66	S	ABCD
KT2B	49,530	422	65	S	ABCD9EF
N3EXA	47,586	518	66	S	ABCD
KB3IB	44,200	387	65	S	ABCD9E
WB3FAA	40,162	345	86	S	ABCD9E
WA2QMY	38,822	334	59	S	ABCD9EFGHI
AK3O	37,100	379	50	S	ABCD9EF
N3NGE	32,319	283	63	S	ABCD9E
N3KKN	32,130	449	45	S	ABCD9EF
K3IUV	27,538	367	49	S	ABCD9E
N3IIT	26,733	359	57	S	ABCD9E
WB2ZAR	25,077	324	57	S	ABCD9E
N3GSA	22,661	355	43	S	ABCD9
WA3AOA	20,140	364	38	S	ABCD9E
W3GXB	17,667	275	39	S	ABCD9E
N3JDQ	16,376	338	46	S	ABD
W3GAD	15,561	343	39	S	ABCD9E
KB3XG	14,056	156	28	S	BCD9EFGHI
KB3ZS	13,505	286	37	S	ABDE
K3DMA	11,362	300	26	S	ABCD9E
WA3YUE	10,440	201	30	S	ABCD9E
N3NVA	10,368	346	27	S	ABD
N3JOV	9,400	174	42	S	ABD
WA3EHO	7,061	261	23	S	ABC
KU3A	6,487	177	29	S	ABCD
K3ESJ	6,200	180	31	S	ABC
N3AOG	5,070	102	15	S	ABCD9EFG
KB3YL	4,500	124	25	S	ACD
N3LKI	4,096	103	32	S	ABD
K3KEL	3,993	121	33	S	B
K3JDC	3,726	128	23	S	BDE
K3EBZ	3,600	165	16	S	BCD
W3HFY	3,363	105	19	S	ABCD9E
N3JJA	3,390	133	21	S	BD
N3JNX	3,255	86	35	S	ABD
K3WV	2,176	128	17	S	AB
AA3IO	2,088	76	24	S	ABD
WA3RLT	1,710	92	15	S	BD
K3PHY	1,650	132	10	S	BC9
WT3W	1,488	93	16	S	A
W3HK	1,464	102	12	S	ABCD
N3BDA	1,456	105	13	S	ABC
N3HGU	1,375	86	11	S	ABCD
WA3CSP	1,102	58	19	S	A
K3BPP	1,072	71	8	S	BCDE
W3IS	1,045	95	11	S	AB
K3AMGB	1,020	79	12	S	ABC
N3HSH	901	53	17	S	AB
W3AWA	830	72	10	S	ABCD
WA2GFP	749	80	7	S	BCD
K3AVTQ	710	71	10	S	B
AK3M	609	87	7	S	B
W3SST	528	37	12	S	ABCD
W3JS	522	87	6	S	B
W3CXU	510	75	5	S	AC
K3BDM	483	69	7	S	AB
N3AHP	470	45	10	S	ABCD
WA3JMM	430	58	5	S	BC
N3GPF	377	26	13	S	ABD
W3DZH	288	26	9	S	ABD
N3JTD	284	62	4	S	BD
W3UQC	205	41	5	S	B
KB3LE	192	24	8	S	AB
N3BPJ	183	57	3	S	BD
N3EUV	112	9	8	S	BDE
KE3PC	75	25	3	S	B
WA3CQT	4	2	1	S	C
W3TDD	4	4	1	S	B
WA3NAO	2	2	1	S	A

W0RSJ (+W1PV, WB2ONA, WA3YUE)	84,744	627	88	S	ABCD9EFP
N3ITT (+N3s OZQ, PSJ, WQ3X)	70,789	633	73	M	ABCD9E
N3ADC (+KA2RRK, N3s NFB, RSE)	44,022	485	66	M	ABCD9E
WB3LNZ (+KB2SW, KB3NE)	23,664	335	51	M	ABCD9E
K3EOD	21,584	446	38	M	ABCD9E
K3MFI (+N3EMA)	17,255	356	35	M	ABCD9E
*K3MQH (+K3s IXD, JFL, LYW, RA, KC3EX, KF3P, N3s EYB, KTV, W3EKT, WF3T)	502,138	1806	217	L	ABCD
W3HZU (K3UVJ, N3s DEJ, LSN, LTZ, QZL, W3UJQ, ops)	68,714	836	85	L	ABCD
K3IEC (K3LHD, KB3APA, N3SEC, WD3U, ops)	2,040	78	24	L	ABD

## Maryland-DC

K1RZ	225,148	781	187	S	ABCD9E
W3ZZ	139,590	530	165	S	ABCD9E
WB2ONE	101,840	522	134	S	ABCD9E
K3ZO	25,805	397	55	S	ABD
WA4VHF	16,580	124	40	S	DEF
N3OPM	12,876	348	37	S	B
W2EOS	5,371	111	41	S	ABC
WB2BZ/3	3,082	106	23	S	ABCD
KH2CY/3	2,622	100	23	S	ABCD
W6AXX	2,584	152	17	S	B
K3TEZ	2,400	120	20	S	B
K3ATCC	2,166	100	19	S	ABCD
WA3TMZ	1,558	35	19	S	DE
W3GN	1,426	50	23	S	ABD
W3MNS	1,430	34	10	S	ABD
K3AZLS	340	68	5	S	B
WA3GYW	259	37	7	S	AB
K3UAL	245	35	7	S	AB
N3ORD	34	12	2	S	BD

KA3ZMW	272	34	8	Q	B
W3IP (+K3YDX, KD3YU, N3s CBJ, FNE, WA3TID, WG3R, WB6VGI)	104,103	563	129	M	ABCDEFI

## Western Pennsylvania

NW3C	84,214	410	158	S	ABCD
KA3SDP	10,830	161	57	S	ABD
NO3I	9,776	167	52	S	BD
KA3JWJ	5,550	111	50	S	AB
W3FUH	3,354	86	39	S	AB
AA3GM	2,997	75	37	S	ABD
WB5NLJ/3	2,632	78	28	S	BD
N3KMJ	1,782	71	22	S	ABD
N3IXR	882	49	18	S	B
AA3GQ	60	10	6	S	A
N3RTR	30	10	3	S	B
K3UA	15	5	3	S	AB
WB0IWG	4	2	2	S	AB
W8U	24	6	4	Q	AB
KB3AFT	6	3	2	Q	B

## 4

Alabama					
KA2DRH	51,084	284	132	S	ABCDE
KD4QIR	5,535	102	45	S	ABCD
NA4ON	5,418	112	42	S	ABD
KE4FRZ	4,860	114	36	S	ABD
WA4ZZW	2,816	70	32	S	ABD
KD4FMN	588	37	14	S	ABC
KD4OL	30	10	3	S	B
WA4VUG	27	9	3	S	B
KB4FAI	21	7	3	S	B
KE4PXH	21	7	3	S	B
KB4PBM	190	19	10	R	B

## Georgia

W4WHDH	10,710	130	63	S	ABCD
K4KAZ	3,410	87	31	S	ABCD
KD4K	2,875	79	25	S	BD
WD4AFJ	2,458	56	35	S	ABCD
WD4MBK	960	32	15	S	D
KD4YQJ	630	35	18	S	B
KD4YDC	112	28	4	S	B
WA4HOB	3,696	93	28	Q	ABCD9E
KD4MSB (+AD4QR, KD4s HLG, HME, KE4s PPE, QMD, KA5WZY)	8,372	150	46	L	ABD
AC4UQ (+KD4HLV, KQ4LE)	3,762	91	33	L	ABCD

## Kentucky

AD4ZW	21,663	210	87	S	ABD
KD4JGS	7,550	129	50	S	ABD
NA4FXC	3,515	78	37	S	ABD
WA4FVQ	924	44	21	S	AB

## North Carolina

WA1EHL	30,702	219	102	S	ABCDE
WB4YWI	4,884	88	44	S	ABCD
W4FSD	2,312	52	34	S	ABCD
KE4HXV	1,425	57	25	S	B
NA4PH	308	44	7	S	B
KE4PNT	9	9	1	S	B
W4NC (KD4RGB, N4VHK, ops)	210	19	10	L	ABD

## Northern Florida

WB4JEM	20,790	190	77	S	ABCDE
W4IKD	8,036	142	41	S	ABDE
KD4PI	4,270	83	35	S	ABCD9E
KD4LCO	576	32	16	S	ABD
N4ATM	308	24	11	S	BD
KS4KP	119	16	7	S	BD
WA2BAH/4	22	11	2	S	B
KA2MCU/4	2	2	1	S	B

## South Carolina

WA4VCC	30,240	217	105	S	ABCD
N2VOT/4	903	35	21	S	ABCD
WB2WEO	200	20	10	S	B
W4UKU	91	13	7	S	B
KD4ZMR (KD4s TCA, TCB, KE4JNY, ops)	832	61	13	L	BD

## Southern Florida

K2RTH	4,250	101	34	S	ABCD
WD4MGB	4,240	93	40	S	ABD
NAEJW	1,720	86	20	S	A
WD4AHZ	1,235	53	19	S	BD
K4SC	1,054	62	17	S	A
KR4U	77	11	7	S	B

## Virginia

N4HB	33,440	276	80	S	ABCD9E
KD0U/4	32,625	253	75	S	ABDE
WB4DBB	31,106	218	103	S	ABCD9E
K4QIF	27,056	226	76	S	BDE
W8CM	22,960	246	70	S	ABCD9E
K9OYD	12,749	132	61	S	ABCD9E
N4KWX	10,388	153	53	S	ABCD9E
KD4UPF	9,625	140	55	S	ABD
AD4DG	9,065	149	49	S	ABD
W4DO	6,996	103	44	S	ABCD9E
K4FTO	6,435	143	59	S	ABD
WD4GSM	2,666	60	31	S	ABCD
K4MSG	2,231	97	23	S	B
WA4QVW	720	40	16	S	ABD
N4YKD	550	41	10	S	BCD
AD4TJ	504	36	14	S	AB
KE4BVP	385	35	11	S	AB
W3FTG	110	22	5	S	B
N0PSB	4	4	1	S	B
W3IY/4	392	28	7	Q	D
KE4OAD	108	33	3	Q	BD
KE4NEF	2	2	1	Q	B
W4PRO (+AD4NJ, KC4WTT, KD4UFC, KE4SBJ, K4MR, MK4ME, N4YWR, W4HAA, KD0R)	6,601	136	41	L	ABD

WB4U (+W3CQH)	3,420	139	20	L	ABCD
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## 5

Arkansas					
KB5WBH	99	11	9	S	B

## Louisiana

N7JJS/5	3,150	86	35	S	ABD
K5CZD	364	25	13	S	ABD
N5MYH (+KB5SUI)	2,204	66	29	L	BD

## Mississippi

KG5MZ	960	40	24	S	AB
WB4NJG	288	24	12	S	B
KB5YDM	72	9	8	S	B

## New Mexico

KB5ZDV	855	42	15	S	BD
KC5DTF	506	34	11	S	BD
W5IXR	451	31	11	S	ABCD
W6RQR	344	27	8	S	ABC
KN5S	117	13	9	S	AB

K8DIO	19,188	173	82 S	ABCD
N8VEA	5,760	141	36 S	BD
K8BQBM	4,920	100	41 S	ABCD
K8MR	4,272	89	48 S	AB
WB8K	4,095	112	35 S	ABD
WA8SVV	2,880	90	32 S	AB
KE8RO	2,552	88	29 S	B
K1BL	1,809	64	27 S	BD
N8KCL	1,157	73	13 S	BD
N8CCC	1,024	48	16 S	ABCD
N8XM	784	46	14 S	BCD
K8KR	702	54	13 S	B
K3ZAP	690	50	10 S	ABCDE
N8ETK	675	40	15 S	BD
WA8RJF	646	33	19 S	ABD
K8SHE	415	83	5 S	B
N8QXC	290	27	10 S	ABC
N8GRW	240	20	12 S	B
WA8RCN	200	25	8 S	A
K8ELA	85	10	5 S	ABCDE
AA8RR	55	7	5 S	BD
N8ZAW	7	6	8 S	BD
K8BTD	24	10	2 S	BD
K8FEF	24	9	2 S	BD
K8RIQ	22	8	2 S	BD
N8ZAT	16	8	2 S	B
WB8LC	5	5	1 S	B
<b>*N8AXA</b>	1,260	51	18 Q	ABCD
<b>N8KOL (+N8s ICH,WHY)</b>	19,738	212	71 L	ABCD
N8ZCA (+K8s RXA,RXC,W8BCVH)	14,030	262	46 L	ABCD
WB8JAY (+N8TPQ)	12,031	188	53 L	BD
N8VKE (+K8SVJR)	4,032	113	32 L	ABD

**West Virginia**

<b>*K2UOP</b>	102,950	445	145 S	ABCD9E1
N8TLZ	86,716	408	163 S	ABCD
N8PEK	21,084	204	84 S	ABCD
N8XUR	18,620	214	70 S	ABCD
K8UC	16,288	88	26 S	B
KV8S	6,664	99	49 S	ABCD
WB8TFV	4,445	127	35 S	B
W3EUVH	4,031	127	29 S	ABCD
KH2CY/B	3,920	127	28 S	ABCD
K3JT	756	34	18 S	ABD
W4PSJ	686	49	14 S	A
K8OQL	340	24	10 S	ABE1
WA8DQR (+K8s DM,LG,N8DIR,WA8YCG,WD8AFJ)	1,890	70	27 L	AB

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<b>Illinois</b>				
WB9QJR	32,856	184	111 S	BCD9EF
AA9D	20,808	232	68 S	BCD
KF9B	17,018	233	67 S	ABD
N9UIZ	16,762	208	58 S	ABCD
N9UYU	15,318	150	74 S	ABCD
N9NK	15,246	150	77 S	ABCD
WD9EXD	12,600	260	42 S	ABCD
N9BQJ	11,502	130	71 S	ABCD
WA9CCQ	9,090	253	30 S	ABCD
N9SOR	8,640	161	36 S	BCDE
WA9FIH	8,050	242	25 S	ABCD
N9JUS	7,395	116	51 S	ABCD
N9CXX	5,472	134	32 S	ABD
AA9LU	4,179	199	21 S	B
N9TNY	3,874	133	26 S	BD
N9WJI	3,822	150	21 S	ABCD
N9IFM	3,456	141	24 S	BD
WA9RIJ	3,000	165	15 S	ABD
K9MBX	2,288	88	26 S	B
K9CJH	2,160	100	18 S	ABD
W9NHX	1,932	140	12 S	ABD
AK9Y	1,496	148	8 S	BD
N9TUP	1,441	107	11 S	ABD
N9KUW	1,300	87	13 S	ABD
N9TUQ	1,230	104	10 S	ABD
K9ZUW	981	87	9 S	ABCD
K9ZVW	981	87	9 S	ABCD
K9BII	852	59	12 S	ABC
WA9QYX	820	72	10 S	ABD
K9JMA	770	77	10 S	B
N9SKG	736	74	8 S	BD
WB9MXX	660	60	11 S	AB
N9UXP	644	82	7 S	BD
N9WRO	540	84	6 S	BD
WA9GQK	420	105	4 S	B
W9VA	407	36	11 S	ABC
W9ZU	348	87	4 S	B
W9CEJ	308	77	4 S	B
WA9KIN	288	72	4 S	B
WA9ZBC	288	72	4 S	B
W9REC	256	64	4 S	B
K9USW	252	63	4 S	B
W9NSP	236	59	4 S	B
W9PQH	186	28	6 S	BD
W9PMJ	162	54	3 S	B
N9VLI	156	39	4 S	B
K9IOG	156	39	4 S	B
K9ENZ	136	42	7 S	AB
N9GCF	120	30	4 S	B
N9VQO	108	36	3 S	B
N9VQP	72	24	3 S	B
WD9GAU	69	23	3 S	B
N9VYC	60	20	3 S	B
K9DKI	42	21	2 S	B
K9FKO	10	5	2 S	B
<b>*N8KWX</b>	2,700	160	12 Q	BCD
<b>*K9HMB (+K9PW,WB9TJ,WT9T)</b>	142,552	632	173 L	ABCD
N2BJ (+N2CIX)	9,652	195	38 L	ABCD
N9KUE (+N9s LAG,RBE,ops)	3,120	82	30 L	ABCD
N9WQI (+N9s ROR,SXF,ZBS,ZOK)	903	129	7 L	B

**Indiana**

N3AJX	16,698	180	69 S	BDE
K9RRT	9,240	149	55 S	ABD
K9DZE	9,168	153	48 S	ABD
K9PFZQ	6,858	102	54 S	ABD
WB8YFE	5,040	84	48 S	ABD

W9ESU	2,760	80	30 S	BD
K9EA	2,520	45	28 S	CD
WB9DRB	2,275	53	35 S	ABCD
NY9B	1,180	52	20 S	ABD
N9RZY	324	27	12 S	B
WB9YHH	32	14	2 S	BD
W9CGI	24	4	4 S	BD
WB9CEP (+N9s KZJ,OB,T,W9SU)				
	6,732	115	51 L	ABD
W9YB (KA9CRR,KC9RG,op)				
	640	30	16 L	ABD

**Wisconsin**

<b>*W8UC</b>	142,868	531	191 S	ABCD9EFG
WA9LWJ	32,736	256	93 S	ABCD
KA9UZW	6,958	126	49 S	ABD
KE9QT (EN43)	6,950	88	50 S	ABCD9E
N9LMU	5,148	87	44 S	BDE
KA9QFK	5,148	156	33 S	B
WA9HCZ	4,736	105	37 S	ABD
KD9TH	4,674	93	41 S	BD
N9ISN	4,403	115	37 S	ABD
WA9PWP	4,095	117	35 S	AB
KE9QT (EN55)	3,255	58	35 S	ABCD9E
NOAKC	3,168	96	33 S	AB
KE9QT (EN45)	2,728	55	31 S	ABCD9E
KE9QT (EN46)	2,666	56	31 S	ABCD9E
WA9KVS	2,336	72	32 S	ABD
WA1UUU	2,214	82	27 S	B
KE9QT (EN44)	2,042	44	29 S	ABCD9E
WA9LZM	1,752	71	24 S	ABD
N9PBA	1,587	66	23 S	ABD
N9LAD	1,575	56	25 S	ABCD
WB9VYP	1,512	72	21 S	B
W9YCV	1,403	51	23 S	BD
WD9IAB	1,377	41	27 S	ABD
WD9BGA	1,210	53	22 S	ABD
N9YKE	1,140	50	20 S	ABD
W9XT	980	49	20 S	B
W9KHH	950	50	19 S	B
N9TD	840	31	21 S	ABD
N9NCF	720	36	16 S	ABD
KE9QT (EN56)	684	13	19 S	ABCD9E
KC2AK	282	40	6 S	ABD
K9VGE	200	20	10 S	B
KF9QN	180	17	9 S	B
NOBSH	55	6	5 S	ABCD
<b>AA9AO (+KA9BXG)</b>	14,980	137	70 M	ABCD
WA9ACI (+N9s XHQ,XIX,WA9SZH)	7,912	159	43 L	ABD

**0**

<b>Colorado</b>				
<b>N0ZEB (+W08AAD)</b>	644	38	14 L	ABCD

<b>Iowa</b>				
WR0G	12,782	166	77 S	AB
N0RJJ	5,082	121	42 S	B
W0DCB	2,142	52	34 S	ABCD
W0YPT	1,638	45	26 S	BCDE
K0GJA	1,128	47	24 S	B
KE0Y	510	28	17 S	BD
K00BT	308	21	11 S	BD
KB0NZR	90	18	5 S	B
K0RSL	20	10	2 S	B
W6RWH (+WB0TGT)	486	27	16 L	B

**Kansas**

<b>N0LL</b>	42,558	231	123 S	ABCD
W0EKF	7,701	111	51 S	ABCD
N0FFO	5,520	98	46 S	ABDE
AA0TT	3,115	89	35 S	B
WY0C	2,400	57	30 S	ABCD
NOIGC	720	40	18 S	ABD
KF0M	576	24	12 S	D
NSZVG	240	20	12 S	A
KB0MME	4	4	1 S	A
NO0Y	32	8	4 Q	B
<b>N0SGL (+KA0KCI,N0SMR,WA0TKJ,WB0DRL)</b>	31,396	215	94 L	ABDE
W0RT (+N0s QXC,RRY,KB0PCE)	7,128	117	54 L	ABD

**Minnesota**

<b>WA0BWE</b>	98,169	461	129 S	ABCD9EFG
KB0ZQ	53,361	331	99 S	ABCD
KB0IKP	39,298	302	98 S	ABCD
NOHJZ	34,992	289	81 S	ABCD
K0GJX	22,680	244	72 S	ABDE
KA0EWQ	12,614	176	53 S	ABCD
W0AUS	8,964	160	36 S	ABCD
KA0POW	8,310	188	30 S	ABCD
WA2HFU/B	7,998	148	43 S	ABD
WB0LIC	7,650	178	30 S	ABDE
NOMSB	7,439	138	43 S	ABD
NOCKK	6,478	123	41 S	ABD
KG0QE	4,862	113	34 S	BD
K0CJ	4,522	103	34 S	BD
NOVWG	4,323	101	33 S	BD
KF0GX	3,836	108	28 S	ABCD
NOKBD	3,796	146	26 S	B
K0JO	3,504	90	24 S	ABCD
NOBSG (EN34)	3,164	11	28 S	ABD
W0PHD	2,356	49	31 S	BDE
NO8RO	2,240	55	32 S	BD
NOVUQ	2,166	102	19 S	BC
KE4KE	1,712	94	16 S	BC
WF0H	1,700	61	25 S	ABD
K0FQA	1,672	48	22 S	ABEF
K00P	1,659	57	21 S	ABCD
NOVUR	1,530	93	15 S	BC
NO8PE	1,504	80	16 S	ABD
NO8AS	1,480	119	10 S	ABD
W0SH	1,368	36	19 S	ABCD
NO8WE	1,188	108	11 S	AB
K00ZC	1,152	129	8 S	BD
W0OHU	1,118	67	13 S	BD
KG0BG	1,040	52	20 S	B
W08HOX	1,000	115	8 S	BD
W08SOK	948	72	12 S	BD
KA0NAN	936	64	12 S	BD
W0G4JEC	936	49	12 S	BDE
NOOYQ	828	33	18 S	ABCD
W0GD	820	54	10 S	BDE

K0MHC (EN34)	468	75	6 S	BD
W00GCP (EN34)	438	73	6 S	B
K0YIH	425	85	5 S	B
W0DHHH (EN34)	348	58	6 S	B
KB0IXC	324	54	6 S	B
KB0OFF	235	47	5 S	B
AA0SM	216	54	4 S	B
NOYAL	180	36	5 S	B
NO8MY (EN34)	164	36	4 S	BD
KB00BT	141	47	3 S	B
NO0ET	132	22	6 S	B
KB0PMC	120	22	5 S	BD
KA0VYB	104	23	4 S	BD
WB0LSG	96	24	4 S	B
NO0JP	56	12	4 S	BD
KG0KJ	54	27	2 S	B
NOHBS (EN34)	48	13	3 S	BD
W0PLD	48	24	2 S	B
NOHZN (EN34)	40	20	2 S	B
KA0KCO	40	20	2 S	B
W0CJ	30	15	2 S	B
NO0SY	30	15	2 S	B
KA0RTP	26	13	2 S	B
W00FFB	24	12	2 S	B
KD0AB	24	12	2 S	B
KP0SH (EN33)	24	8	3 S	B
NO0GQ	18	9	2 S	B
W0DM	16	8	2 S	B
KB0ND	16	8	2 S	B
KB0BRD	14	7	2 S	B
K0EN	14	7	2 S	B
NO0YH	14	4	2 S	BD
N2KIR	12	6	2 S	B
W00TLH	12	6	2 S	B
KC4AVR	10	5	2 S	B
KB0ONC	10	5	2 S	B
KC00I	6	3	2 S	B
W00VEZ	5	5	1 S	B
N0VUX	4	2	2 S	B
WB2V	4	4	1 S	B
W00YE	3	3	1 S	B
KA0CSK	2	2	1 S	B
W0JB	2	2	1 S	B