

2005 ARRL January VHF Sweepstakes Results

Heavy snow Midwest to New England took its toll—most scores are down!

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From Minnesota, Wisconsin and northern Illinois east through Ohio, Pennsylvania and north to central New England, very heavy snowfall was the order of the day for the 2005 January VHF SS competition. More than a foot of snow fell in the densely populated northeast corridor during most of the contest period, causing problems for rover stations as well as fixed stations, some suffering storm-related antenna damage. Elsewhere, conditions were typically flat with a few exceptions in the Southwest and West Coast regions where occasional long-range tropo coupled with many active mountaintop rover stations kept things interesting.

The cold weather and snow-covered ground extending over a huge amount of real estate in the northeastern quarter of the country combined with typical flat January VHF conditions made for an interesting set of obstacles to communication. But we hams seem to manage to

communicate in spite of whatever Mother Nature throws at us! Weaker than normal signal levels were the order of the day. Rovers had to battle not only the snow and poor road conditions but the poor propagation as well. These are the things that make the January VHF Contest so challenging, and when those elusive “openings” do occur, sometimes quite short in time span, we rise to the challenge and log the QSOs as quickly as possible.

I use the W3CCX beacons in Philadelphia on the bottom four VHF bands as indicators of propagation quality down the east coast at the start of the VHF competitions. Around noon local east coast time on Saturday, I was only able to hear the 144, 222 and 432 MHz beacons over the 283-mile, partial seawater path between my Cape Cod location and downtown Philadelphia. The 50 MHz beacon was inaudible. The signal levels were weaker than normal, indicating minimal enhancement. This contest would be a

difficult one for sure!

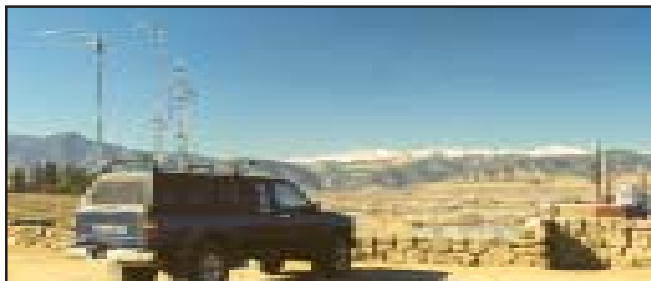
Under conditions like these, with no significant propagation enhancement expected, participants relied on their skill and stamina to take advantage of the few minor enhancements that inevitably occur over relatively short time periods.

2005 Overall

The number of logs submitted for the 2005 January VHF SS was significantly lower than those submitted in the previous two years. Logs submitted this year totaled 718, compared with 836 in 2004 and 797 in 2003. This result is most likely related to the massive winter snowstorm, which affected the entire northeastern part of the US from Minnesota east to the coast and as far south as southern Ohio and northern Maryland. In spite of the bad weather, many rovers managed to brave the snow and give out needed rare grid squares on Sunday, once the bulk of the storm subsided.



The deluxe 5-star accommodations (left) used by the WC4J multiop team. Just as older equipment gets traded around, this portable operating center was formerly used by the K8GP Grid Pirates.



Bruce, WW1M, started his rover trek with this spectacular view near his home in Boulder, Colorado. Maybe not the best terrain to work stations through, but sure to bring a peaceful, easy feeling when you take a deep breath after a hard contest weekend.

There were 445 single operator, low power (SOLP) entries, down about 5% from last year. More interesting is the single operator, high power (SOHP) category for 2005 with 139 entries, which is down 14% from 2004 and down from 190 in 2003, representing a 27% decrease in logs over a two-year period. As expected, rover entries were down substantially, about 42% from last year with 52 competing vehicles compared to 89 in 2004. Limited multi-operator entries were down from 39 in 2004, representing a 21% decrease. Multi-operator entries were down only by one from last year to 25.

Propagation

As is generally expected for the month of January, VHF/UHF openings are generally sporadic, rare events. Participants in this year's January VHF Sweepstakes weren't surprised with the typically unenhanced conditions with few exceptions across most of the US and Canada. Some Midwest stations noted partial 6 meter openings to the south, notably Florida. K9UHY experienced an hour opening to Florida on Sunday evening. The same was echoed by KB8UZZ. AF8Z noted some partial 6 meter openings.

Gene, N9TF, who operated a Limited Multi station with his son, Mike, KC9ETU, noted that "Friday night there was a short 'teaser' of a 6 meter band opening to the SE into the EL grids. I knew we were doomed! Six remained closed after that opening faded!" Dan, NØURW, operating from Iowa in grid EN41, echoed the sentiments of most operators. "This is one for the record books as the worst band conditions ever from my QTH."

Bob, K2DRH, from EN41 noted one bright spot with meteor scatter: "I made several WSJT schedules and stayed up later than I'd planned, making several more random QSOs to try to make up for a log that was easily 100 Q's and 50 multipliers behind." Bob also noted that "random QSOs on WSJT seem to have come into their own, and it's not difficult to QSY to other bands. Sunday tropo on the bands started out slow and tapered off from there."

Finally, this comment from K2DRH summarizes the sentiments of almost everyone who contributed comments on propagation to the soapbox: "It's really disheartening to tune 2M during a contest and hear nothing in any direction, then call every 15 degrees while turning the antennas completely 'around the clock' on 144.200 with no takers."

The National Scene

Scores this year are down from previous years due primarily to insignificant

Affiliated Club Competition

	Score	Entries
Unlimited Category		
Mt Airy VHF Radio Club	1,412,465	53
Medium Category		
Rochester VHF Group	1,194,898	40
North East Weak Signal Group	668,145	18
Potomac Valley Radio Club	535,887	29
Western States Weak Signal	513,861	17
Society of Midwest Contesters	278,307	19
Pacific Northwest VHF Society	197,757	21
Northern Lights Radio Society	141,377	24
Yankee Clipper Contest Club	106,090	11
Badger Contesters	96,280	13
Northern California Contest	46,333	3
Contest Club Ontario	33,108	14
Mad River Radio Club	27,545	3
Six Meter Club of Chicago	24,414	9
Florida Contest Group	21,441	3
Frankford Radio Club	7,373	3
Bergen ARA	4,430	4
South Jersey Radio Assn	2,350	6
Bears of Manchester	2,315	5
Mobile Sixers Radio Club	1,027	3
Local Category		
Eastern Panhandle ARC	84,087	6
Delaware Valley VHF Society	73,417	7
North Texas Microwave Society	55,685	5
Chippewa Valley VHF Contesters	44,250	9
CT RI Contest Group	40,814	4
Michigan VHF-UHF Society	11,385	8
Dauberville DX Assn	8,328	5
Eastern Connecticut ARA	2,149	3
Raritan Bay Radio Amateurs	1,806	6

Top Ten

Single Operator, Low Power		Limited Multioperator	
K2DRH	128,872	K3EAR	359,676
WA3GFZ	72,261	W3SO	172,539
AF1T	70,288	W1QK	54,230
K1TR	69,432	KB1DFB	38,148
K8GUN	47,816	N2UIO	25,387
W3KJ	40,392	N9TF	19,768
W4SHG	34,839	W2ZQ	19,071
AA3GN	33,614	N3RN	12,738
WB2SIH	30,240	KG6MDW	7,359
KB3XG	24,960	W3DOG	7,285
Single Operator, High Power		Multioperator	
K1TEO	354,144	W2FU	344,326
K1RZ	185,900	N2PA	284,200
WA3NUF	131,224	N3NGE	266,880
K3TUF	94,944	K5QE	134,183
W3SZ	69,069	K1JT	131,584
K8EB	65,762	K3EOD	57,986
W2IV	60,325	W6TE	44,891
WA3DRC	57,340	N2BJ	35,862
K8MD	54,610	W9RVG	21,800
K2TXB	51,600	N6KN	18,240
QRP Portable		Rover	
KA1LMR	23,058	N6NB	2,202,200
W6DWI	8,208	N6ZZ	2,164,206
N8XA	4,200	N6MU	2,153,800
KG6EE	2,486	N6TEB	313,257
K0NR	864	N6DN	307,648
KA1VEC	585	K2TER	188,160
(NM1K,op)		N2OPW	162,074
NØHJZ	464	K2QO	105,660
WB2AMU	396	N6RMJ	91,462
K1TT	198	VE7DXG	68,904
KØSM	16		

propagation enhancement combined with the winter snowstorm throughout most of the north central and eastern part of the country. Under more normal weather conditions, rovers are key to big scores in the January contest. The severe winter weather conditions greatly inhibited the ability of rovers to activate rare grids this time out.

Single Operator

Bob, K2DRH, operating from EN41 in

northwestern Illinois, took the top spot in the SOLP category for the fifth straight year. Bob's 128k score is down from his winning effort last year by 21%, which attests to the difficult 2005 conditions combined with severe weather issues. Second place again for the third year goes to Paul, WA3GFZ, with 72k points, down from his 2004 score by 42% and no doubt influenced by the extremely poor conditions coupled with the snowstorm in southeastern PA. Third place goes to New Hampshire resident Dale, AF1T, with 70k, who bettered his 2004 score by over 20k points. Not far behind Dale was Ed, K1TR, who took fourth place with 69k, also operating from NH.

A quick analysis of the Top Ten LP entries from last year compared to this year is illustrative of the effects of the extreme weather conditions coupled with little or no propagation enhancement. Six of this year's top ten LP stations were in the 2004 top ten list, and in every case but one, the 2005 scores of these stations are down by a minimum of 21%.

In the SOHP category, Jeff, K1TEO, continues at the top position with 354k, down by 22% from his winning score last year. Jeff continues his national dominance for the eighth time in a row from his excellent western Connecticut location coupled with a commanding signal on 10 bands. Dave, K1RZ, operating from Maryland made second place with 185k, up one position from his third place finish in 2004. Although Dave's score is down by 45% from his 2004 result, his impressive second place finish is a strong challenge from FM19, particularly on the microwave bands. Third place finisher Phil, WA3NUF, made a strong showing at 131k from Pack Rats territory. Fellow Pack Rats member Phil, K3TUF, finished in fourth place with 95k points, with Roger, W3SZ, fifth with 69k points.

Multioperator

The top multioperator spot goes to the W2FU team from the Rochester, NY area with 344k points. Jeff's team ran 12 bands to take the win in spite of the poor band conditions. Another western NY group, N2PA, took second place with a score of 284k operating from FN12, while Pack Rats group N3NGE, took the third spot at 266k. Marshall, K5QE, led a team in east Texas to fourth place with 134k, followed closely by another Pack Rats team hosted by Joe, K1JT, in New Jersey with 131k.

The limited multioperator section winner was the South Mountain Contest Club station, K3EAR, with 359k points. Second place goes to W3SO, the Wopsononock Mountaintop Operators, in western PA with 172k. Weather conditions were extreme and

the bands were dead for the most part at W3SO, "Flat band conditions and terrible weather made for a long weekend. The daytime weather was just above 0F, and at night it was in the minus teens." Third place went to W1QK with 54k and fourth to KB1DFB with 38k.

Rover

By moving team pack-roving and grid-circling to a new level, the rover teams of N6NB, N6ZZ and N6MU blew away the all-time rover record (under the present rules) of 1.392M set by N3IQ/R (ND3F and K8ISK operators) in 1999. All three teams broke the 2-million point barrier in this very successful assault on the rover record. Other significant scores in the rover category were turned in by N6TEB and N6DN.

N6NB commented, "Given excellent January weather, we traveled 1,000 miles during the contest and activated 22 grid squares in New Mexico and west Texas. Art Goddard, W6XD, celebrated his retirement from the ARRL Board of Directors by taking part in this adventure. We were joined by two other teams of experienced HF contesters (N6ZZ plus N2IC and N6MU plus K2MM). It was a memorable weekend, although activity was not high and conditions were mediocre." One can only imagine what kinds of scores could be generated using these techniques under excellent propagation conditions!

Regional Highlights

With the severe winter weather in the central and northeastern parts of the country along with generally poor propagation conditions with only a few minor exceptions, the scores are significantly lower this year than in the recent past. The only scores that set new records were the three rovers (N6NB, N6ZZ and N6MU) as noted above. Detailed division scores can be found on the Web report, as usual at www.arrl.org/contests/results.

Northeast

Although turnout for the event was not up to normal levels, the northeast region was well represented in spite of the unfortunate weather situation. The AFC championship football game also drew some attention from New Englanders! In spite of these distractions, participation was substantial. In addition to the top scores already mentioned, Joe, W3KJ; Joe, AA3GN; Bill, WB2SIH, and John, KB3XG, took the sixth, and eighth through tenth spots nationally in the SOLP category. Perennial high power participants Ron, WZ1V; Ed, WA3DRC, and Russ, K2TXB, finished in the seventh, eighth and tenth positions nationally.

In the limited multioperator section, the top four stations previously mentioned are all in the northeast region. Fifth place nationally was taken by George, N2UIO, with 25k points operating from Western NY, and seventh place went to W2ZQ, the Delaware Valley Radio Assn in New Jersey with 19k points. Multioperator entrant Allen, K3EOD, operating in NJ took sixth place nationally with 58k points.

Rover entrants who successfully tolerated the heavy snow and cold weather include Bill, K2TER, with 188k, and Paul, N2OPW, with 162k placing sixth and seventh nationally, while Mark, K2QO, also a NY entrant, came in eighth with 105k points.

Southeast

The SOLP leader was Dan, K8GUN, with a score of 47.8k. Dan took advantage of his 9-band effort from FM09 to prevail under very poor conditions. Second place goes to Steve, W4SHG, with 34.8k points from 9 bands from his FM18 QTH in VA. Charles, K0VXM; Ken, KD4HIK, and Gus, K4FTO, round out the Southeast Region LP top five. The top five Southeast Region HP scores were all bunched together between 22k and 28k points: Dan, K8GUN, at 28,615; Howard, K4QI, at 28,227; Ron, WA8TTM, at 27,056; Gary, KE8FD, at 24,795, and Ken, KE2N, at 22,308. W3PGA, operating from WV in FM09 led the limited multiop category with 4k points. The multiop category leader was AG4V with 17k points, followed by KC4PX with 15k and WC4J with 11k.

Central

Bob, K2DRH, not only led the Central region with 128k points, but as noted above, he was the national LP winner. Russ, KB8U, Great Lakes Division leader with 24k points took second place in the Central Region. N9DG with 22k, K8MR with 19k and WA9FIH with 16k round out the top five LP entries. The top HP effort was made by Erwin, K8EF, from Michigan with 65k, followed by Mark, K8MD, with 54k and Jerry, WB9Z, with 44k. The top LM entry was Gene, N9TF with 19k. The top M entry was Barry, N2BJ, with 35k, followed by Marshall, W9RVG, with 21k. Rover activity was minimal, but Jim, VE3OIL/R, topped the list with 3.9k points, followed by Mike, WB8BZK, at 3.2k and Doug, N7NGO, at 2.6k. Understandably, the winter snowstorm played havoc with this region keeping activity levels below normal.

Midwest

The SOLP winner in the Midwest Region is Dave, N0KP, with 20k points, his

second win in a row. Vince, N0VZJ, took second place with 16k, followed by Floyd, WQ5S, at 11k. The top SOHP spot was claimed by Gary, W0GHZ, with 32k points, followed closely by Dan, N0URW, at 31k. Jonathan, W0ZQ, finished in third place with 19k. The top LM score was posted by John, K5ETX, with 2k points. In the MU category, Marshall, K5QE, posted an excellent score of 134k, far ahead of the other contenders. The scoring excitement of the entire event took place in West Texas with the three rover teams of N6NB, N6ZZ and N6MU setting new all-time records for this category of 2.2M, 2.164M and 2.153M respectively. These scores are double the scores they achieved last year roving in California. Steve, N5AC, posted a decent rover score of 32k for fourth place.

West Coast

The top two SOLP contenders from the west coast region were very close. Jim, K7YO, in OR took the top slot with 17k points, while second place was claimed by Norman, KC6ZWT, at 16.6k points. Ed, W7GLF, took third place with 13k points from WA. In the SOHP category, Ralph, K6TSK, took top honors with 21k, followed by Don, W6KBX, at 18k and Leonard, WA6KLK, at 15k. Robin, W6DWI, took the QRP portable category with a score of 8k points, second place nationally. The LM category top spot was claimed by Trevor, KG6MDW, with 7k points. The multioperator category winner was Dave, W6TE, with 44k points, which also represents the seventh spot nationally. The rover category produced some interesting competition between the two top west coast entrants, Dave, N6TEB, at 313k points and Paul, N6DN, at 307k, placing them at the fourth and fifth spots nationally.

Affiliated Club Competition

The January VHF Sweepstakes is the primary event for club competition in the ARRL VHF/UHF competitions. Because of the severe weather conditions this year, both participation level and scores were down from recent years. In spite of the weather and poor conditions, the club competition was intense. Once again, the only club in the unlimited category this year is no surprise. The Mt Airy VHF Radio Club, as it has so many times in recent years, ended up with both the highest score and the largest number of participants. Their score of 1.4M with 53 entries is only half the winning score they produced last year with 56 entries, a clear indication that weather conditions were a huge factor in the Philadelphia area.

In the medium category, once again, the Rochester VHF Group produced the lead-

Regional Scores

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

WA3GFZ 72,261 A
AF1T 70,288 A
K1TR 69,432 A
W3KJ 40,392 A
AA3GN 33,614 A

K1TEO 354,144 B
K1RZ 185,900 B
WA3NUF 131,224 B
K3TUF 94,944 B
W3SZ 69,069 B

KA1LMR 23,058 Q
KA1VEC 585 Q
(NM1K,op)
WB2AMU 396 Q
K0SM 16 Q
N1ZGY 15 Q

K3EAR 359,676 L
W3SO 172,539 L
W1QK 54,230 L
KB1DFB 38,148 L
N2UIO 25,387 L

W2FU 344,326 M
N2PA 284,200 M
N3NGE 266,880 M
K1JT 131,584 M
K3EOD 57,986 M

K2TER 188,160 R
N2OPW 162,074 R
K2QO 105,660 R
K1DS 28,231 R
N1XKT 24,531 R

Southeast Region (Delta, Roanoke and Southeastern Divisions)

K8GUN 47,816 A
W4SHG 34,839 A
K0VXM 12,040 A
KD4HIK 6,517 A
K4FTO 5,610 A

W4WA 28,615 B
K4QI 28,227 B
WA8TTM 27,056 B
KE8FD 24,795 B
KE2N 22,308 B

N3AWS 4 Q

W3PGA 4,017 L
K14GZD 3,267 L
KU4JZ 2,700 L
AD4F 1,280 L
N4DXY 861 L

AG4V 17,748 M
KC4PX 15,624 M
WC4J 11,664 M
N4JQQ 7,720 M
K1KC 1,771 M

N4FLM 8,910 R
W5TV 8,760 R
KD4NOQ 4,584 R
KB1EXM 3,080 R
W4OZK 1,040 R

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

K2DRH 128,872 A
KB8U 24,273 A
N9DG 22,560 A
K8MR 19,840 A
WA9FIH 16,014 A

K8EB 65,762 B
K8MD 54,610 B
WB9Z 44,200 B
WA8RJF 37,206 B
WB9SNR 23,947 B

N8XA 4,200 Q

N9TF 19,768 L

N2BJ 35,862 M
W9RVG 21,800 M

VE3OIL 3,942 R
WB8BZK 3,213 R
N7NGO 2,640 R

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

N0KP 20,820 A
N0VZJ 16,896 A
WQ5S 11,128 A
W6OAL 7,449 A
N0LL 6,820 A

W0GHZ 32,472 B
N0URW 31,240 B
W0ZQ 19,093 B
K9MK 13,910 B
W3XO 13,176 B

K0NR 864 Q
N0HJZ 464 Q
WA5WJY 6 Q
N0JK 1 Q

K5ETX 2,080 L
K5USS 1,638 L
N0UNL 1,281 L
KE5BAV 931 L
WB0RMK 342 L

K5QE 134,183 M
W0EEA 9,000 M

N6NB 2,202,200 R
N6ZZ 2,164,206 R
N6MU 2,153,800 R
N5AC 32,568 R
W5LL 14,080 R

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

K7YO 17,000 A
KC6ZWT 16,677 A
W7GLF 13,800 A
KC6SEH 10,080 A
KF6KDA 9,534 A

K6TSK 21,465 B
W6KBX 18,780 B
WA6KLK 15,736 B
KG6IYN 11,890 B
WA7TZY 7,770 B
WB7BST 7,770 B

W6DWI 8,208 Q
KG6EE 2,486 Q
K17T 198 Q
N2YM 1 Q

KG6MDW 7,359 L
W6QE 4,392 L
K6YR 2,220 L
W7MRG 1,280 L
K7XC 1,036 L

W6TE 44,891 M
N6KN 18,240 M
WW2CQ 1,869 M

N6TEB 313,257 R
N6DN 307,648 R
N6RMJ 91,462 R
VE7DXG 68,904 R
K3UHF 64,227 R

ing score of 1.19M with 40 entries. This score is 34% lower than that which they produced last year with only 25 entries. RVHFG's focus on encouraging rover and microwave activity separates them from their competition. RVHFG hosted 8 stations running 9 bands or more, 3 of whom were rovers plus 3 large multiop efforts. It's difficult to compete with a club hosting the top MU station (W2FU) in any contest. Second place was again taken by the North East Weak Signal Group with 666k points from 18 participants, down from 28 last year. Third place goes to the Potomac Valley Radio Club with 535k points from 29 participants. The fourth place finisher was Western States Weak Signal with 513k points and 17 participants.

The Eastern Panhandle ARC took first place in the local club category with 84k points and 6 participating stations. Second place was claimed by the Delaware Valley VHF Society with 73k from 7 entrants. These two groups switched places from last year! The North Texas Microwave Society took third place with 55k from 5 entrants.

Given the extremely unfavorable weather conditions in the north and eastern part of the country as well as parts of southeastern Canada, it's great to see such a good turnout for this year's VHF SS. The scores were generally down, but the en-

thusiasm was high. Club activity in particular helps to motivate members to get on the air regardless of the conditions and scores. Getting on the air and making QSOs is the key to success, and the clubs did a fine job this year motivating their members under adverse conditions.


On to Next Year

Given the weather extremes for the 2005 running of the VHF SS, it is reasonably safe to say that nearly any conditions, weather or propagation, will be better than what contestants had to endure this year.

Expanded Reports Available

For complete results, participant soapbox and the complete scores in a user-searchable database, please visit www.arrl.org/contests/results. ARRL members without Internet access may obtain a print-out of the complete line scores by sending a self-addressed, stamped envelope to ARRL Contest Results, 225 Main St, Newington, CT 06111. Please be sure to include the contest name and year.

Scores next year are likely to be better than 2005, as the Northeast snowstorm of January 2005 is not likely to be repeated in exactly 12 months! The January VHF SS offers a unique challenge to those who enjoy battling against the twin adversities of generally unenhanced propagation and the possibilities of inclement weather. Clubs in particular motivate their members to get on the air in any way they can to contribute to club success.

If you are not presently a member of your local VHF oriented radio club, find a member and get yourself signed up. Clubs play a key role in generating activity for the January competition. Club members have the expertise to answer questions and provide help for new VHF/UHF enthusiasts to get set up with effective stations on the bands above 50 MHz. Obtaining help from local experts is the key to success, and you will enjoy being part of a team effort to produce a winning score. 

Strays

I would like to get in touch with...

◇ amateurs who are employees of the United Nations.—*Charlie Trice, K8IJ, k8ij@arrl.net*

Scores

Each line score lists call sign, score, stations worked, multipliers, hours, number of grids activated (if Rover), and bands (A= 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, 9 = 902 MHz, E = 1296 MHz, F = 2304 MHz, I = 10 GHz). Call signs of Division leaders and band indicators are listed in boldface type.

1									
Connecticut									
K1ZZ	3,013	111	23	A	ABD				
KB1JDX	1,744	103	16	A	ABD				
N1ZN	1,620	90	18	A	AB				
N4WYH	600	50	12	A	AB				
K1DJW	510	33	15	A	ABD				
K1SW	408	34	12	A	AB				
N1ZXL	351	23	13	A	ABD				
KB1JDY	351	39	9	A	AB				
WA1GTP	150	14	10	A	ABC				
W1DMM	70	14	5	A	AB				
KB1JQA	54	8	6	A	ABD				
KA1RWY	1	1	1	A	B				
K1TEO	354,144	890	204	B	ABCD9EFGHI				
WZ1V	60,325	422	95	B	ABCD9EFG				
KF6AJ	8,931	167	39	B	ABCDE				
N1SXL	1,513	89	17	B	AB				
K1WVX	1,512	63	21	B	ABCD				
N1CJG	915	55	15	B	ABD				
N1TUP	56	12	4	B	ABD				
KA1VEC (NM1K,op)									
	585	37	13	Q	ABCD				
W1QK (+W1NG, W0BR, KA1SYG, KD1YV, KB1ILY)									
	54,230	548	85	L	ABCD				
KB1DFB (+KB1H, N1ROZ, KE1LI, W1MKM)									
	38,148	485	66	L	ABCD				
WY1U (+NR1D)									
	1,974	93	21	L	ABD				
Eastern Massachusetts									
W1PM	22,288	202	56	A	ABCD9EFGI				
K5MA	9,447	158	47	A	ABCD				
KA1EKR	5,735	126	31	A	ABCD9				
WG1Z	5,616	139	26	A	ABCDE				
K1UR	4,117	142	23	A	ABCD				
K1TWF	3,420	146	20	A	ABD				
K1EP	1,380	104	12	A	ABCD				
N1RR	1,328	83	16	A	AB				
W1DYJ	767	59	13	A	AB				
N1BC	564	44	12	A	ABD				
N1EKV	504	31	12	A	ABCD				
K1YA	441	47	9	A	ABD				
WB2PID	432	39	9	A	ABCD				
KB1EFZ	264	33	8	A	AB				
KB1HKN	203	25	7	A	ABD				
AA1O	182	26	7	A	AB				
W1SRG (K1RDD,op)									
	50	10	5	A	A				
W1CRK	12	6	2	A	AB				
W1GHZ	36,270	326	65	B	ABCD9EI				
W1JHR	5,850	125	26	B	ABCD9EFG				
N1GJ	3,483	85	27	B	ABCD9EF				
KV1J	2,840	98	20	B	ABCDE				
N1ZGY	15	3	3	Q	BCD				
W1XM (KB1CGZ, KT1D, WG1Z, KF4KJQ, W1GSL, +loggers)	16,302	254	39	M	ABCD9EF				
Maine									
K1TOL	16,592	244	68	B	A				
NY1E	880	55	16	B	AB				
N1BNC (+N1WYS @N1BNC)									
	21	7	3	M	B				
New Hampshire									
AF1T	70,288	369	92	A	ABCD9EFGHIP				
K1TR	69,432	408	88	A	ABCD9EFGHI				
AC1J	9,805	179	37	A	ABCDE				
WW1Z	3,885	117	21	A	ABCD9E				
W1SD	3,567	111	29	A	ABCD				
WB1CMG	2,790	83	15	A	ABCD9EF				
N1JHJ	1,800	72	20	A	ABCD				
K1PDY	767	46	13	A	ABCD				
W1ECT	525	34	15	A	ABD				
K1MLR	21	7	3	A	B				
K2HZN	33,592	301	76	B	ABCD9EFG				
W1ZC	5,580	127	30	B	ABDE				
KA1LMR	23,058	289	54	Q	ABCDE				
Rhode Island									
WB2VVV	8,920	153	40	A	ABCD9EF				
W2DAN	4,725	197	21	A	ABD				
KO1H	992	60	16	A	ABD				
W1CPC	396	31	12	A	ABD				
KB1LN	161	22	7	A	AD				
Vermont									
N1JEZ	11,741	137	59	A	ABCDE				
KA1BSZ	21	7	3	A	A				
W1FN (KA1UAG, W1HZN, WB1BRE, AC1H, KB1FDA,ops)									
	7,774	139	46	M	ABCD9				
Western Massachusetts									
N1DPM	18,535	155	55	A	ABCD9EFGI				
KA1MDA	7,326	187	33	A	ABCDE				
K3GM	910	65	14	A	AB				
WA1MBA	25,252	201	59	B	ABCD9EFG				
W1RZF	12,452	222	44	B	ABCD				
N1MUW	7,683	120	39	B	ABCD9EF				
K1TTT	5,735	167	31	L	ABD				
W1LQ (N1RL, N1MJC,ops)									
	1,840	72	20	M	ABCDE				
2									
Eastern New York									
WB2SIH	30,240	280	72	A	ABCD9E				
K2KJ	7,406	137	46	A	ABCD				
WA1RKS	2,160	70	27	A	ABCD				
KC2IRO	174	24	6	A	BD				
KC2KIS	126	14	7	A	ABCD				
KA2CYN	72	18	4	A	A				
N2GCZ (+N2GKM)									
	7,560	131	40	M	ABCDE				
NYC-Long Island									
WA2VNV	4,611	137	29	A	ABDEF				
AG2A	3,364	116	29	A	AB				
N2XDR	2,370	130	15	A	ABD				
KC2IQF	1,111	101	11	A	B				
KF2XF	330	33	10	A	B				
WM2Z	180	20	9	A	AB				
WB2TPS	160	20	8	A	AB				
K2TV	24	8	3	A	A				
KC2JRQ	5	5	1	A	B				
N2GHR	10,537	163	41	B	ABD9EF				
WB2AMU	396	32	11	Q	ABCD				
Northern New Jersey									
W2UDT	5,040	145	28	A	ABCD				
K2AMI	3,484	105	26	A	ABCD				
K2NUD	2,835	135	21	A	AB				
K2DBK	2,014	97	19	A	ABD				
WB2ONA	1,968	87	16	A	ABCD				
W2VTV	1,425	70	19	A	ABD				
K3GNZ	804	53	12	A	BD				
W2JEK	780	60	13	A	AB				
N2CQM	580	56	10	A	ABD				
W2LE	429	39	11	A	A				
WA2NXK	190	32	5	A	ABD				
K2HVE	70	10	7	A	AB				
AB2KT	45	15	3	A	AB				
KA2SSX	42	13	3	A	BD				
N2CYM	40	7	4	A	ABCD				
K2ZB	40	10	4	A	A				
W2BVH	16	8	2	A	B				
N2CSP	10	5	2	A	AB				
W2KV	14,104	244	43	B	ABDI				
N2CEI	12,321	333	37	B	A				
Northern New York									
NG2C	90	15	5	A	ABD				
NS2P	35	7	5	A	AB				
K3KYR	768	48	16	B	AB				
Southern New Jersey									
N2UO	3,366	109	18	A	BE				
N2DEQ	2,622	120	19	A	ABCD				
K2PS	1,904	112	17	A	A				
WB2VLA	948	62	12	A	ABCD				
KV2M	738	82	9	A	AB				
KV2R	532	76	7	A	AB				
WA4FRA	504	53	8	A	ABCD				
KC2JJT	329	45	7	A	ABD				
K2WB	175	35	5	A	AB				
W2ORA	72	18	4	A	AB				
W2QOB	45	15	3	A	AB				
W5KI	8	4	2	A	A				
K2TXB	51,600	333	75	B	BDEI				
W2SJ	46,494	330	54	B	ABCD9EFGHIP				
WA2ONK	20,790	255	45	B	ABCD9E				
W2ZQ (K2QM, W0SNJ, W2SRH, KC2CK1,ops)									
	19,071	375	39	L	ABCD				
K1JT (+KC2DLA, K3DMA, N0YMV,ops)									
	131,584	665	128	M	ABCD9EF				
K3EOD (+WA3WUL, WR3P, KC2JPN, W2YYY)									
	57,986	410	79	M	ABCD9EFGP				
Western New York									
N2EZS	22,678	210	46	A	ABCD9EFGHIJ				
K2AN	19,872	231	48	A	ABCD9EFGH				
KA2ENE	5,160	172	24	A	ABD				
N2HJD	4,902	161	19	A	ABCD9EI				
WY2Z	3,600	117	25	A	ABCD				
N2HKD	2,088	78	18	A	ABCDE				
WB2YJH	1,536	104	12	A	ABD				
KB2NFS	1,235	72	13	A	ABCD				
KE2T	909	78	9	A	ABCD				
KB2CHY	715	54	11	A	ABD				
N2KXS	279	11	9	A	ABCD9EF				
W2DYY	105	14	5	A	AD				
K2DLW	104	13	8	A	AB				

W3RZU	1,695	86	15	A	BD
K3VEQ	1,666	83	17	A	ABCD
W3GXB	1,378	91	13	A	ABC
N3VJH	1,125	89	9	A	ABCD
N3JNX	704	26	22	A	ABD
WS3C	697	33	17	A	ABD
N3PLM	689	46	13	A	ABCD
KB3JGS	616	50	11	A	ABD
W3DSX	468	30	13	A	ABCD
N3AHP	272	31	8	A	ABCD
KF3DO	243	25	9	A	ABCD
K3YTR	230	23	10	A	AB
K3BPP	190	29	5	A	ABC
W8IJ	170	15	10	A	ABD
WA3AAN	110	22	5	A	A
W3EFH	24	3	2	A	CP
W3JG	18	5	3	A	ABD
WA3NUF	131,224	590	94	B	ABCD9EFGHIJP
K3TUF	94,944	491	96	B	ABCD9EFGI
W3SZ	69,069	335	69	B	ABCD9EFGHI
WA3DRC	57,340	341	61	B	ABCD9EFGHI
K3IPM	44,840	470	59	B	ABCD9EFG
N3ITT	31,482	297	54	B	ABCD9EF
W3KM	24,647	293	49	B	ABCD9EF
W3GAD	22,560	304	40	B	ABCD9EF
N3FA	20,988	296	53	B	ABCD9E
W0RSJ	17,136	255	48	B	ABCD9E
WA3RLT	16,940	224	44	B	ABCD9EFP
KB3ZS	15,588	292	36	B	ABCDE
K3CI	12,670	209	35	B	ABCD9E
KB3BBR	8,514	153	33	B	ABCD9EFP
K3ISH	3,276	91	36	B	AB
KB3HCL	3,038	150	14	B	ABCDE
W3KKN	1,529	68	11	B	BCDE
N3FTI	1,387	47	19	B	ABCDEHI
K3IB	896	56	16	B	B
W3AWA (WA3KFT,op)					
	737	58	11	B	ABCD
W3FEY	370	18	10	B	BCDE
WA3EHD	259	37	7	B	B
N3EXA	216	24	6	B	BCD
K3EAR (K3RDA, K9PW, N2YHK, N3EMF, N3GH, N3WV, WA1HHN,ops)	359,676	1397	206	L	ABCD
N3RN (+KA3EEQ, KA3ZHT)	12,738	150	66	L	ABCD
N3NGE (+W2PED, K1WHS, N3AD, N3EXA, WU3C, W3FEY)	266,880	910	160	M	ABCD9EFGHI
W3RT (+N3HTZ)	10,168	214	31	M	ABCD9E
KA3WXV	513	54	9	M	ABD
Maryland-DC					
W3IP	16,188	220	57	A	ABDE
W3ARS	3,611	122	23	A	ABCD
N3ALN	3,240	157	18	A	ABCD
K2PLF	3,225	116	25	A	ABD
N3UM	2,400	100	24	A	AB
W6AXX	2,260	113	20	A	B
KF6VBJ	1,679	55	23	A	ABCDE
W3CB	1,545	89	15	A	ABD
N3VOP	1,470	78	14	A	ABCD
W3STU	1,216	48	19	A	ABCD
N3AM	1,200	75	15	A	ABD
K3ZO	1,008	63	16	A	B
KB3KAQ	627	57	11	A	A
AI3Z	572	52	11	A	AB
WI2T	480	41	10	A	ABD
KB3KXX	258	43	6	A	AB
NS3T	186	30	6	A	ABD
N3FNE	132	22	6	A	A
K1RZ	185,900	599	143	B	ABCD9EFGHI
N3OC	50,138	330	86	B	ABCD9EFI
N3HBX	46,784	425	86	B	ABCDE
W3ZZ	14,382	179	51	B	ABCD9E
W3EKT	4,983	151	33	B	AB
WB3IGR	1,428	55	21	B	ABCD
KC3EF	480	37	12	B	ABD
W3ADC (+W3ADC)	350	45	7	L	ABD
WA3ZKR (+KA3EJJ)	10,240	152	40	M	ABCD9EFGHI
Western Pennsylvania					
W0QPS	13,968	222	48	A	ABDE
WA3PTV	2,400	78	24	A	ABD
K3ZCY	1,275	39	25	A	ABCD
KA1ZE	31,374	337	83	B	BD
KE3WM	3,744	104	36	B	A
N3EBT	2,212	60	28	B	ABCD
W3SO (K4VV, WR3Z, AI3M, W3BTX, W3TEF, W3SF, W3YOZ, KB3LG,ops)	172,539	769	171	L	ABCD

4					
Alabama					
KE6QR	1,995	88	19	A	ABD
WB4VHF	1,180	58	20	A	ABD
AF4OD	4,600	79	46	B	ABCD
N4DXY (N4JDB, N4ION, KS4B, K4AAF,ops)	861	34	21	L	ABCD
Georgia					
WA4IOB	2,600	76	26	A	ABCD
K4SZ	1,197	41	21	A	ABCD
K4KAZ	765	36	15	A	ABCD
W4KXY	592	37	16	A	AB
KF4OLO	84	14	6	A	AB
W4WA	28,615	214	97	B	ABCD
K1KC (+WA4BLM @K1KC)	1,771	68	23	M	ABD
North Carolina					
N4HN	2,673	86	27	A	ABD
N4TL	456	38	12	A	AB
K3KO	112	16	7	A	AB
K4QI	28,227	220	97	B	ABCDE
NG4C	3,626	76	37	B	ABCD9
K4TP	200	25	8	B	B
KI4GZD (+KG4LEV, KC4QPR, KC4QPR, KG4LEV, KG4LEV, KC4QPR,ops)	3,267	103	27	L	ABCD
Northern Florida					
KE4YYD	1,947	52	33	A	ABD
KI4FIA	1,533	64	21	A	ABCD
W2BZY	1,258	33	17	A	ABCD9EF
N5PIP	1,159	60	19	A	ABD
KU4VQ	324	29	9	A	ABD
WA2IID	50	9	5	A	BD
WA4UF	42	7	6	A	AB
KN4Y	21	7	3	A	A
KU4WD	18	9	2	A	AB
WA8TTM	27,056	203	76	B	ABCD9EFG
Puerto Rico					
NP3CW	252	27	9	A	ABD
South Carolina					
N4UFP	1,564	57	23	A	ABCD
WA2EMF	420	34	12	A	ABD
KR1ST	230	21	10	A	ABD
NU4SC (K3IXD, op)	210	20	10	A	ABD
AF4OX	78	13	6	A	A
KE8FD	24,795	190	95	B	ABCDE
Southern Florida					
K0VXM	12,040	115	43	A	ABCD9EFGHIJ
KB2SFA	2,024	70	22	A	ABCD
KI4CYB	588	49	12	A	AB
W3IIT	66	10	6	A	ABD
KT4JA	8,610	121	42	B	ABCDE
NJ2F	5,796	123	36	B	ABCD
KC4PX (+NW5E)	15,624	174	63	M	ABCD9EF
Tennessee					
KD4HIK	6,517	99	49	A	ABCD
WA4YRK	1,976	55	26	A	ABDE
W4BCU	1,782	62	18	A	ABCDE
WB4IXU	1,445	47	17	A	ABCD9E
AD4F (+KG4DIE)	1,280	53	20	L	ABCD
AG4V (+packet)	17,748	155	68	M	ABCDE
N4JQQ (+packet)	7,720	120	40	M	ABCDE
Virginia					
W4SHG	34,839	259	79	A	ABCD9EFGH
K4FTO	5,610	124	34	A	ABCD
K4FJW	4,352	86	34	A	ABCDG
AD4TJ	2,975	95	25	A	ABD
W4CIA (KI4HLV, op)	2,808	128	18	A	ABD
N4VA	2,688	119	21	A	ABD
K4MTS	1,275	62	17	A	ABDE
N8YSZ	740	69	10	A	ABD
KI3O	459	45	9	A	ABD
AI4IO	376	44	8	A	ABD
W4NEZ	256	24	8	A	ABCD
WK4Y	220	20	11	A	AB
KI4FWE	205	41	5	A	A
K4THE	168	20	8	A	ABD
K4PZC	75	13	5	A	ABD
KI4DNN	30	11	2	A	BD
KE2N	22,308	289	52	B	ABCDE

KN4SM	6,890	103	53	B	ABCD
N4MM	4,495	138	29	B	ABD
WF4R	1,449	54	21	B	ABCD
K2EVVW	364	25	14	B	ABC
K4WYS	306	27	9	B	ABD
KU4JZ (+KF4PCT)	2,700	125	18	L	ABCD
WC4J (+WA4HR)	11,664	229	36	M	ABCDE
West Central Florida					
K9HUY	3,710	106	35	A	AB
KO4MA	1,334	51	23	A	ABD
5					
Arkansas					
N5HNY	120	13	8	A	ABD
Louisiana					
K5ER	1,860	51	30	A	ABD
W5WZ	45	8	5	A	ABD
N5ASA (+KD5SII)	84	12	6	L	ABD
Mississippi					
W8FR	1,300	43	25	A	ABD
KB5SSJ	612	34	18	A	AB
W5RCI	1,760	36	32	B	ABCD
N3AWS	4	2	2	Q	A
New Mexico					
K5RHR	2,889	69	27	A	ABCDE
WB2FKO	176	22	8	A	B
KB5ZSK	161	14	7	A	ABCDE
K5TOK	1	1	1	A	A
W5SIX (K5AM, op)	182	19	7	B	ABCD
North Texas					
WQ5S	11,128	154	52	A	ABCD
NM5M	2,806	77	23	A	ABCD9E
N5TIF	1,034	41	22	A	ABD
WA5YWC	549	43	9	A	ABCD
KI0K	1	1	1	A	A
K9MK	13,910	138	65	B	ABCD9E
KA5BOU	5,852	89	38	B	ABD9E
AF8Z	5,480	93	40	B	ABCDE
WA5WJY	6	3	2	Q	B
K5USS (+KE5CCI)	1,638	93	13	L	ABCD
Oklahoma					
NE0P	45	8	5	A	ABD
KB0HH	9,536	99	64	B	ABCDE
KE5BAV (KD5CLK, KD5TDK,ops)	931	42	19	L	ABD
South Texas					
K5IX	1,470	62	21	A	ABCD
KM5RG	1,008	49	16	A	ABD
K5NZ	684	37	18	A	ABD
WA5UFH	416	26	16	A	AB
KB5URQ	56	14	4	A	B
N5XU (WM5R, op)	28	6	4	A	ABD
K0MHC	18	5	3	A	ABD
KM5I	4	2	2	A	AB
W3XO	13,176	127	61	B	ABCDE
W5UWB	912	24	19	B	BCDEI
K5ETX (+K5YKX)	2,080	69	26	L	ABD
K5QE (+K5MQ, N5KDA, KD5HPT)	134,183	421	203	M	ABCD9E
6					
East Bay					
W6OMF	7,544	109	41	A	ABCDE
N4DLA	1,512	64	21	B	ABCD
Los Angeles					
KG6GIQ	8,244	140	36	A	ABCDE
KG6DHQ	6,680	117	40	A	ABDE
KG6HMN	3,848	136	26	A	ABD
KG6EE	2,486	76	22	Q	ABCDE
W6QE (+K6EY, KA6CMC)	4,392	128	24	L	ABDE
N6KN (+W6FO)	18,240	272	48	M	ABCDE
Orange					
KG6EG	4,656	91	24	A	ABCDI
KC6UIX	2,610	71	29	A	ABD
KN6VR	1,824	71	19	A	BD
K6TSK	21,465	213	53	B	ABCDE

K6IBY	3,472	72	28	B	ABCD
Santa Barbara					
W9EC	1,026	36	19	A	ABCD9E
KE6RCI	828	74	9	A	BD
N6ZE	680	34	20	A	AB
K6KNBI	1,080	60	18	B	AB
K6YR (+K6SHU)	2,220	68	30	L	ABD

Santa Clara Valley					
KF6MXK	2,430	104	18	A	ABCD
K6EU	1,440	60	20	A	ABCD
N2YM	1	1	1	Q	B

San Diego					
WA6MHZ	1,408	70	16	A	ABCD
N6IEF	1,056	69	12	A	ABCD
NF6V	111	31	3	A	ABD
KG6WLS	64	16	4	A	AB
WB6MNR	21	6	3	A	AD
KG6IYN	11,890	198	41	B	ABCD9E
K6NKC	5,936	128	28	B	ABCD9E
KF6JBB	2,140	84	20	B	ABCD

San Francisco					
AA6DX	1	1	1	A	A
WA6KLK	15,736	193	56	B	ABCD9
KG6BEI	1,152	72	16	B	AB
KG6WOU	25	5	5	B	AB
W6DWI	8,208	175	38	Q	ABD

San Joaquin Valley					
KF6KDA	9,534	165	42	A	ABCD
KF6CNV	6,798	150	33	A	ABCD
W6WYT	4,557	90	31	A	ABE
KG6HHE	216	24	9	A	AB
W6TE (+W6ALE, K6AAB)	44,891	268	77	M	ABCD9EFGI
WW2CQ (KG6JKJ, KH6WZ, WA6NIA, KF6DNJ,ops)	1,869	62	21	M	ABCD9E

Sacramento Valley					
KC6ZWT	16,677	231	51	A	ABCD
KC6SEH	10,080	157	42	A	ABCD9E
W7PT	1,411	64	17	A	ABD
NT6K	2	2	1	A	A
W6KBX	18,780	209	60	B	ABCD9E
KG6MDW (+W6GNU)	7,359	179	33	L	ABD

7 Arizona					
K6IAH	494	21	19	A	ABD
WA7VHF	24	6	4	A	AB
KE7NR	7,473	108	47	B	ABCD9E
K7TOP	1,633	71	23	B	AB
W7OJT	290	29	10	B	B

Eastern Washington					
W7JGO	1,728	54	24	A	ABCD
K7AWB	234	31	6	A	ABCD

Idaho					
W7USB	2,064	61	24	B	ABCD9E
W7MEM	672	31	16	B	ABCD9E

Montana					
NW7MT (NW7O, WA7MT,ops)	50	8	5	L	ABC

Nevada					
K7ICW	3,640	64	40	B	ABCD9E
K7XC (+KD7KKO, K7XC, KD7KKO)	1,036	60	14	L	ABCD

Oregon					
K7YO	17,000	240	50	A	ABCD
N7DB	6,816	165	32	A	ABCD
KI7JA	6,125	109	35	A	ABCD9E
W7QH	4,653	113	33	A	ABCD
K7SMA	1,377	68	17	A	ABD
K7HSJ	810	41	15	A	ABCD9E
K7VIT	726	63	11	A	ABD
WR7X	300	21	12	A	ABD
WB7RSG	261	19	9	A	ABCD
W7TYN	120	19	5	A	ABD
W7SST	48	14	3	A	BD
WB6FFC	1,173	41	23	B	BD

Utah					
K7RJ	612	17	9	A	BDI

Western Washington					
W7GLF	13,800	166	46	A	ABCD9E
KG7P	4,309	93	31	A	ABCD9
KD7TJC	4,182	104	34	A	ABD
K7CW	2,088	116	18	A	B
WA7MLD	1,862	82	19	A	ABCD
W7FKI	1,700	74	20	A	ABD
N6KW	1,066	71	13	A	ABD
N0AX	1,056	61	16	A	ABD
KD7UI	845	65	13	A	AB
WA7TZY	7,770	132	30	B	ADE
WB7BST	7,770	134	30	B	ADE
W7MGC	6,188	144	34	B	ABCD
K7ND	6,006	109	39	B	ABCD
KA7RRA	1,120	59	16	B	ABCD
KI7T	198	18	9	Q	ABD
W7MRG (WB7FJG, N4SL,ops)	1,280	73	16	L	ABD

8 Michigan					
KB8U	24,273	183	87	A	ABCD9EF
W8RU	6,030	103	45	A	ABCD
WB8TGY	3,193	90	31	A	ABCD
K8NWD	3,068	103	26	A	ABD
N8UUP	2,262	78	29	A	A
K8DOG	1,113	46	21	A	ABD
K8ZZU	935	70	11	A	ABD
WA8WOQ	594	41	11	A	ABD
N8ZVB	387	43	9	A	A
NE8I	132	23	4	A	ABCD
AB8LB	96	29	3	A	ABD
K8ZKJ	90	25	3	A	ABD
WA8QKZ	65	12	5	A	ABD
K8BSG	16	8	2	A	AB
K8EB	65,762	354	131	B	ABCD9E
K8MD	54,610	294	127	B	ABCD9E
K2YAZ	9,452	90	68	B	ABCD9E
W8MIL	3,344	62	44	B	ABCD

Ohio					
K8MR	19,840	189	80	A	ABCD9E
WB8AUK	14,060	147	74	A	ABCD
K8WW	4,140	62	36	A	ABCD9E
WN8R	3,960	84	36	A	ABCD
K8AB	2,940	85	28	A	ABD
W8CJJ	1,860	60	31	A	AB
N8IE	1,675	60	25	A	ABD
W8KNO	846	47	18	A	AB
K8ATQ	782	35	17	A	ABCD
W8IDM	765	40	17	A	ABD
KB8UUZ	704	44	16	A	A
KC8UDV	364	27	13	A	ABD
KC8CFI	40	7	4	A	BD
WA8RUF	37,206	205	106	B	ABCD9EFG
K8TVD	4,860	80	45	B	ABCD9E
N8XA	4,200	76	35	Q	ABCD9E

West Virginia					
K8GUN	47,816	356	86	A	ABCD9E
W8CMK	4,455	123	27	A	ABCD
N8II	1,890	105	18	A	A
K3MQP	462	40	11	A	ABD
N8RAT	16,170	236	55	B	ABCD
K2UOP	11,514	130	57	B	ABCD9E
W3PGA (K3ROJ, WA3SWA,ops)	4,017	95	39	L	ABCD

9 Illinois					
K2DRH	128,872	459	178	A	ABCD9EF
WA9FIH	16,014	244	51	A	ABCD9
KG9IL	12,390	212	42	A	ABCD9EI
AA9MY	7,800	85	60	A	ABCD9E
WO9S	7,482	131	43	A	ABCD
K9ZO	4,998	98	42	A	ABD
N9TZL	4,588	107	37	A	ABCD
W9JXN	4,077	121	27	A	ABD
K9YC	3,335	104	29	A	ABD
WA9BXX	3,097	136	19	A	ABD
WR9L	2,581	89	29	A	AB
KC9AMM	2,146	62	29	A	ABD
NT9E	2,140	86	20	A	ABD
WD9GJK	2,040	103	17	A	ABCD
N9OBB	1,566	47	27	A	ABD
N9TUQ	957	66	11	A	ABD
WA9CCQ	860	67	10	A	ABD
W9NHX	792	59	11	A	ABD
W9GKA	770	26	22	A	ABCD
W9LYA	611	38	13	A	ABD
K9LPL	402	49	6	A	BD
K9IJ	390	21	13	A	ABCD

K9XK	304	29	8	A	BD
W9AVB	222	27	6	A	ABD
KG9Z	220	20	11	A	AB
KG9N	170	17	10	A	AB
W9SE	49	7	7	A	AB
WN9GUC	30	8	3	A	BD
KA9OBZ	24	5	4	A	ABD
K9JK	6	2	2	A	BD
N0ICV	1	1	1	A	A
WB9Z	44,200	302	104	B	ABCD9E
WB9SNR	23,947	191	77	B	ABCD9E
W9JGV	2,675	107	25	B	B
K9SM	396	20	12	B	ABCD9E

N9TF (+KC9ETU)					
	19,768	265	56	L	ABCD
N2BJ (+K2PAC)					
	35,862	254	86	M	ABCD9EF
W9RVG (+WB9SKB, WD9EXD)					
	21,800	167	100	M	ABCD9E

Indiana					
WA1MKE	14,874	148	67	A	ABCD9E
W9THD	1,430	60	22	A	ABD
K9EA	20,746	177	82	B	ABCD9E
K8LEE	8,502	218	39	B	A

Wisconsin					
N9DG	22,560	216	80	A	ABCD
K9MU	12,264	171	56	A	ABCD
K9VHF	8,525	93	55	A	ABCD9E
N9TTX	5,115	106	31	A	ABCD9E
W9RAY	2,295	76	17	A	ABCD9E
N9NDP	1,564	65	23	A	ABC
KB9Q	1,496	53	22	A	ABCD
W9CDL	1,326	67	17	A	ABD
K9VS	750	44	15	A	ABD
N9SOO	630	35	18	A	AB
WB9MXX	528	44	12	A	AB
K9AIH	450	39	9	A	ABD
K9DQ	416	22	16	A	ABD
KC9GIQ	185	30	5	A	ABD
N9UX	96	9	8	A	ABD
W9PHJ	65	13	5	A	B
W9ROG	56	14	4	A	B
KC9FVW	48	12	3	A	ABD
KC9ECI	48	8	6	A	AB
W9GA	21,070	190	70	B	BCDE
KB9PJL	17,543	200	53	B	ABCD9EI
W9JN	10,675	171	61	B	ABD
N0AKC	5,024	89	32	B	ABCD9E

0 Colorado					
W6OAL	7,449	117	39	A	ABCD9EFGI
WV0H	3,096	96	24	A	ABDI
N0POH	854	45	14	A	ABCD
W0KU	369	28	9	A	ABDI
N0UGY	966	37	14	B	ABCD9EI
K0NR	864	38	16	Q	ABCD
W0EEA (+K0KHZ, N9BD, N9KC)					
	9,000	88	45	M	ABCD9EFGHIJ

Iowa					
KC0RAD	1,000	40	20	A	ABD
K0SRL	330	28	11	A	ABD
W0VAN	168	16	7	A	AD
N0URW	31,240	216	110	B	ABCD9E
KM0T	1,501	42	19	B	ABCD9EF

W0ZQ 19,093 167 61 B ABCD9EFGI
 K0AWU 13,065 141 65 B ABCDEI
 W0AMT 6,006 112 39 B ABCD
 N0JCF 5,550 97 37 B ABCDE
 W0AUS 3,900 100 26 B ABCDE
 W0MTW 465 23 15 B ABDE
 N0HJZ 464 40 8 Q ABDI
 WB0RMK (WB0YDF, KC0QNA, KC0RIS,ops)
 342 35 9 L ABC

North Dakota
 NT0V 294 16 14 B ABDE

Nebraska
 N0UNL (N0KIS, N0JLB, WD0BGZ,ops)
 1,281 55 21 L ABD

South Dakota
 WB0HHM 216 17 9 A ABCD

Quebec
 VE2JWH 732 33 12 A ABCD9E
 VA2UK 540 39 12 A ABD
 VA2IC 498 83 6 A AB
 VE2TUA 243 19 9 A ABDE
 VE2DC 180 15 10 A ABD
 VE2XX 2,759 64 31 B ABCD9E
 VE2PIJ 624 36 13 B ABCD9

Ontario
 VE3SMA 7,130 96 46 A ABCD9E
 VE3KZ 6,636 143 42 A ABD
 VA3KA 6,438 122 37 A ABCDE
 VE3CVG 3,864 98 28 A ABCDE
 VE3WG 2,256 85 24 A ABD
 VE3NPB 1,900 51 25 A ABCD9
 VE3CRU 1,560 65 24 A AB
 VE3SPW 1,363 47 29 A AB

VE3DXP 578 34 17 A B
 VA3NFA 468 39 9 A ABDE
 VE3HHT 407 28 11 A ABCD
 VA3DF 208 13 8 A C
 VE3JW (VE3VIG, op)
 138 16 6 A ABD
 VA3TSG 110 22 5 A AB
 W1AJT 55 11 5 A A
 VE3VHB 54 9 6 A B
 VA3OR 25 5 5 A A
 VE3SH 9 3 3 A A
 VE3TFU 22,848 143 84 B ABCD9EF

British Columbia
 VE7CMK 330 30 11 A B
 VA7MM (VE7CMK, VE7CNF,ops)
 216 9 6 L E

Rovers

Atlantic
 K2TER (+KV2X)
 181,125 470 105 R ABCD9EFGHIJP
 N2OPW (+K2EHF)
 159,424 405 106 R ABCD9EFGHIJP
 K2QO 102,960 309 90 R ABCD9EFGHIP
 K1DS 28,046 301 37 R ABCD9EGHIJP
 N1XKT 24,050 242 37 R ABCD9EGHIJP
 K3LFO (+W3DIO)
 16,884 260 42 R ABCDE
 KG4IDG (+KB3JAU)
 1,476 71 18 R ABD
 KC2MCB 957 76 11 R BD
 K3DMA 840 36 10 R ABCDEIP
 KC2IDT 528 25 12 R ABDE

Central
 WB8BZK 3,213 77 27 R ABCD9E
 N7NGO 2,640 69 33 R ABD

Dakota
 KC0IYT 5,180 144 20 R ABCD9EI
 W0ZQ-R -45 -2 5 R BI

Delta
 N4FLM (+N4OFA)
 8,910 120 45 R ABCD9E
 W5TV (+AE5P) 8,760 113 40 R ABCD9E
 KD4NOQ 4,584 97 24 R ABCDE

Hudson
 KC2HIZ 516 32 12 R ABD
 WS2L 175 24 7 R ABD

Midwest
 KA0KCI 3,782 87 31 R ABCD

New England
 W1AUV 1,919 65 19 R BDI

Northwestern
 K3UHF 64,227 547 79 R ABCD9E
 K7MDL 49,647 421 67 R ABCD9EI
 KA0TP (+KE7CNH)
 6,000 154 30 R ABCD
 N7CFO 5,964 163 21 R ABCD9E

Pacific
 W6GMT 11,750 208 47 R ABD
 NI6G (+N1VM)
 3,450 114 23 R ABD
 KB8VAO 1,656 62 23 R ABD

Roanoke
 KB1EXM 3,058 101 22 R ABCD
 KG4YVA 644 36 14 R ABD

Rocky Mountain
 N7MLD 9,350 82 50 R ABCDEI
 WW1M 3,400 100 25 R ABCD
 NK5W 686 42 14 R ABD

Southeastern
 W4OZK 1,040 39 20 R ABCD
 WA4JA/R 432 19 18 R ABCD

Southwestern
 N6TEB (+KE6HPZ)
 313,257 708 147 R ABCD9EFGHIL
 N6DN (+N6VHF)
 307,648 701 152 R ABCD9EFGHIL
 N6RMJ (+WB6JDH)
 91,462 360 94 R ABCD9EFGI
 W6KA (W6ELI, KJ6NO, ops)
 8,995 182 35 R ABCDE
 K6LMN 5,056 123 32 R ABCDE
 W6YV (WB2TVB, KG6CUK, ops)
 952 58 14 R ABD
 KI6CQ 728 40 13 R BD
 KG6ONE (+KG6KVI)
 20 3 4 R ABD

West Gulf
 N6NB (+W6XD)
 2,202,200 2041 242 R ABCD9EFGHI
 N6ZZ (+N2IC)
 2,164,206 1957 242 R ABCD9EFGHI
 N6MU (+K2MM)
 2,153,800 1937 242 R ABCD9EFGHI
 N5AC (+W5TX) 32,568 251 69 R ABCD9E
 W5LL (+W5BL) 14,080 181 55 R ABCD
 KD5SHM 9,504 146 48 R ABCD
 AF5Q 216 19 9 R ABCD

Canada
 VE7DXG 68,904 377 87 R ABCD9EP
 VE7DAY 36,501 239 69 R ABCDEP
 VE3OIL 3,942 76 27 R ABCD9EF