

Results, 1994 ARRL June VHF QSO Party

The contest was great fun, and I hope more Novices and Technicians try VHF/UHF contesting. Even FM contacts can be fun!—*Frank, N8WXQ*

By Billy Lunt, KR1R, and Warren C. Stankiewicz, NF1J
Contest Manager Assistant Contest Manager

The run of tremendous propagation we've had for the past several June contests has come to an end, at least for now. It had to, eventually, we suppose; but that doesn't mean we shouldn't take a moment to mourn its passing. Conditions were good this year, but nothing like what we've been used to. The country-wide E_s openings on 6 meters were not to be found, and 2 meters wasn't what it used to be, either.

The bands weren't completely dead. Nice propagation showed up Sunday, and the beautiful weather across much of the country made mountaintopping just that much more pleasant. Brief occurrences of aurora helped on the higher bands. Six meters gave good single-hop openings on

the East Coast Saturday afternoon and Sunday morning. Further west, the middle of the country was open to the West Coast on 6 meters from about the start of the contest until 0300Z, with a couple of southern Florida and Caribbean stations popping in from time to time. A few people noted working Alaska, although some were fooled by KL7MH, who was in EN10.

There were great rover efforts this year. Nine stations activated 10 or more different grid squares. Contest Branch kudos go to Brian, ND3F, who journeyed along the Atlantic seaboard through 14 grids, tops among rovers this year. We wonder how much he spent in tolls? In fact, seven records were set in the rover category this year. It seems to us that the knack of roving may be catching on, and a number of people remarked on what a good time they had finding places to operate, setting up and moving around. The number of people experimenting with "rovermobiles" is increasing—have you ever thought of giving it a try?

There were rarer-than-normal places on the air this year, with a lot of activity from Mexico and Cuba. For details on the Cuban stations' participation, see the article "Cuba: A Week to Remember" by Janet Margelli, WA7WMB, on page 58. To hams who journeyed to those out-of-the-way places to put rare grid squares on the air, thank you—not only for the multipliers, but for helping with VUCC quests.

With the lower bands great, but not fantastic, it took a bit more work on the microwave bands this year to finish with a good score. Tom, WA8WZG, used his tremendous microwave station to catapult him into the top spot this year over perennial winner Jeff, WA2TEO. His heavy reliance on



Dave, NR6E, operated from the Austin Summit off Highway 50 in Nevada. He just wishes he could have found someone to work on 222 or 1296!



Pete, N8YEL, used the contest to go QRP portable along the shores of Lake Michigan, and to demonstrate Amateur Radio at the same time.



Roger, KD6EFQ, checks the antennas before leaving on the N7TTO rover expedition. They report that on Saturday morning, when approached by the UCSC campus police, they said they, "were with the 'Sightings' investigation team, and that Amateur Radio was just a cover to deflect suspicion."

Single-Operator QSO Leaders by Band

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
N5JHV 368	KA1ZE 415	WA8WZG 91	KA1ZE 133	WA8WZG 45	WA8WZG 67
KN5S 362	K2GAL 390	WA2TEO 82	WB6WLR 133	WA2TEO 21	WA4VHF 53
W5UWB 273	WA3HMK 374	KA1ZE 79	K5MA 131	K1RZ 17	K1RZ 34
KB5IUA 259	WA2TEO 344	K5MA 73	WA8WZG 127	KA1ZE 16	KA1ZE 32
WD5K 251	K1RZ 283	K1RZ 65	WA2TEO 124	WA1MBA 16	WA2TEO 31
N5HHS 250	WB2QOQ 281	WA8NJR 61	WA8NJR 105	W8AC 16	N1DPM 28
N0LL 240	K3ZO 273	N1DPM 52	K1RZ 103	WB5IGF 14	K6KLY 26
K9MK 214	K5MA 254	WB2DNE 51	WB2DNE 95	WB2VVV 12	WA1MBA 25
AA4ZZ 206	WB2DNE 213	K1EM 46	N2GHR 88	N1DPM 11	WA0BWE 25
NY1E 203	WA8NJR 207	KE8FD 46	KE8FD 84	N2BFJ 11	N2GHR 24
WA2TEO 202	KE8FD 198	AC6BB 45	WB5IGF 80	N2LIV 10	W8AC 23
WZ8D 197	AA8BC 190	WB2VVV 44	K6KLY 76	WA8VPD 10	N2LIV 22
K3ZO 194	K8ZES 189	NW3C 44	W2HRW 75	K9OYD 9	WA0NTT 22
N9MKC 191	WA1MBA 177	WA2BAH 42	WA2TIF 74	WA8NJR 9	KB0IKP 22
WA8NJR 188	WA3BZT 176	W2HRW 41	WA0BWE 70	KB3IB 8	WB2DNE 21
				K8MD 8	

Single-Operator Multiplier Leaders by Band

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
N5JHV 155	WA3HMK 59	WA8WZG 31	WA8NJR 39	WA8WZG 20	WA8WZG 24
KN5S 147	KE8FD 55	WA2TEO 29	WA8WZG 37	WA2TEO 15	WA4VHF 21
KB5IUA 123	K8U8 54	KA1ZE 28	KE8FD 37	K1RZ 13	K1RZ 16
N0LL 123	AA8BC 50	NW3C 28	WA2TEO 34	W8AC 12	WA2TEO 14
W5UWB 122	WA8NJR 49	K1RZ 26	KA1ZE 34	KA1ZE 11	N2GHR 14
WD5K 121	N9MKC 49	KE8FD 25	WB2DNE 34	WA1MBA 9	W8AC 14
N5HHS 102	K2GAL 48	K5MA 24	WB5IGF 32	N2LIV 9	WA0NTT 14
K9MK 96	K8ZES 46	WA8NJR 24	K1RZ 30	N1DPM 8	KA1ZE 13
WZ8D 92	NW3C 45	WB2DNE 23	NW3C 29	WB2VVV 8	WA8TJL 13
AA4ZZ 90	WZ8T 45	N8TLZ 23	WZ8T 29	WA8NJR 8	WA0BWE 13
WD5EWD 90	N0ZKK 45	WA3EOQ 22	WZ8D 29	N2BFJ 7	KB0IKP 13
W5NZS 90	K1RZ 44	N1DPM 21	W8AC 29	KB3IB 7	N1DPM 12
W5SXD 85	WB5IGF 44	AA4ZZ 21	K8ZES 28	WB5IGF 7	WA8NJR 12
N0LNO 85	WZ8D 44	WB5IGF 20	KU8U 28	WA8VPD 7	N0LL 12
KF4FL 84	N8TLZ 44	WZ8D 20	K2AN 27	WA8TJL 6	K0FQA 12
	KB9IEC 44	N0LL 20	AA4ZZ 27		
			N8TLZ 27		
			N0LL 27		

Multioperator QSO Leaders by Band

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
W5KFT -L 472	K1TR -L 752	N2WK 181	W2SZ 282	N2WK 77	W2SZ 89
W3EP -L 469	K3MQH -L 715	K6MEP -L 176	K1TR -L 261	W2SZ 58	N2WK 87
K1TR -L 436	W2SZ 591	W2SZ 157	K3MQH -L 244	W3CCX 38	W3CCX 55
W2SZ 389	K3UA -L 571	K3MQH -L 143	W3CCX 224	N2WM 22	AA9D 46
W3ZZ 381	K3YTL 560	K1TR -L 140	N2WK 221	K3YTL 22	W3IP 39
K3MQH -L 380	N8FMD 537	W3CCX 126	W3CCX 216	W3ZZ 22	W3ZZ 38
K3UA -L 380	W3CCX 493	N2CEI -L 104	AA9D 186	AA9D 22	N2WM 32
W4NT -L 365	W3ZZ 443	K3YTL 97	W3ZZ 174	N8FMD 18	N8FMD 32
N8FMD 325	N2WM 439	W3ZZ 95	WB1GQR -L 167	WW8M 17	W1XX 30
W3XO 311	WB1GQR -L 436	W3EP -L 95	K3YTL 150	W1XX 15	K3YTL 30
AA9D 307	N2WK 431	N2WM 94	N2WM 149	W3IP 14	W4IY 30
W4IY 300	N2CEI -L 403	N8FMD 91	W4IY 139	W4IY 14	W6TRW 30
N2WM 296	AA9D 380	AA9D 85	K6MEP -L 139	W1OP 12	W1OP 29
N2WK 294	W4IY 359	WB1GQR -L 83	N2CEI -L 138	K3YWY 11	WW8M 26
W3CCX 285	K6MEP -L 342	K3UA -L 82	W3EP -L 107	WB2IEY 8	AB2I 24

-L denotes Limited multioperator

Multioperator Multiplier Leaders by Band

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
W5KFT -L 194	N8FMD 70	N2WK 47	N8FMD 46	N2WK 32	N2WK 29
W3XO 146	W0UC 66	W3EP -L 43	AA9D 44	W2SZ 21	W2SZ 24
W3EP -L 135	N2WK 64	N8FMD 38	N2WK 43	W3CCX 17	W3IP 19
N00Y -L 135	K3UA -L 64	K3MQH -L 36	K3MQH -L 40	W3ZZ 16	AA9D 19
W4NT -L 127	W3ZZ 57	K3UA -L 36	W2SZ 39	N2WM 15	W3CCX 18
AA9D 118	W8ULC -L 57	K1TR -L 35	W3ZZ 39	K3YTL 15	W3ZZ 18
WA7JTM -L 110	AA9D 57	K3YTL 34	K1TR -L 38	AA9D 15	N2WM 17
WQ5S 109	W3EP -L 56	W2SZ 33	W3EP -L 38	N8FMD 12	K3YTL 16
W3ZZ 105	N9LAG -L 56	W3ZZ 33	W3CCX 37	W3IP 10	N8FMD 16
WR0G -L 104	WW8M 55	AA9D 33	K3YTL 37	WW8M 10	KD0DW 14
KD0DW 101	W3CCX 54	VE3ONT -L 32	K3UA -L 37	W4IY 8	N00Y -L 14
K3UA -L 100	VE3ONT -L 54	W3CCX 31	VE3ONT -L 36	W1XX 7	W1OP 13
W0UC 100	K3MQH -L 53	N2WM 30	WR0G -L 35	W1OP 7	W4IY 13
W0KEA -L 95	W2SZ 52	W0UC 30	W0UC 35	K3YWY 7	W0UC 13
N2WK 92	K3YTL 52	N2CEI -L 29	N2WM 32	KD0DW 6	AB2I 11
			N2CEI -L 32		WW8M 11
			W4IY 32		WB0GGM 11
			N00Y -L 32		

-L denotes Limited multioperator

902, 1296 and 2304 MHz overcame the natural advantage Jeff and other East Coasters had in 6 and 2-meter QSOs.

You'll notice a healthy rover station turn-out in the Atlantic Division this time. And you'll notice a very healthy unlimited multiop score from N2WK in Western New York. Using a combination of solid low-

band showings, a great UHF/microwave effort and multiple rovers, N2WK amassed a whopping 356 multipliers (including 32 on 902 MHz, 29 on 1296 MHz, 23 on 2304 MHz, 14 on 3456 MHz and 7 on 5760 MHz). They gave perennial multiop leader W2SZ/1 a close race for the top spot.

VHF Contesting isn't just for the rovers

or the "big-gun" stations, though—it's for everybody! If you've got a radio for VHF (even a hand-held), you're just as welcome to get on and have a good time as anyone else is. If you're interested in what it's like, check out the sidebar, "VHF Contesting for the Average Guy." Jack gives an interesting look at the perspectives of VHF con-

testing from both sides.

The K6MEP effort is another good case in point. Their group sets up on Frazier Mountain, a prime location that looks right into the Los Angeles area—perfect for working people with hand-held FM transceivers. Jim, WB2ODH, observes that, “We always see a surge of FM contacts Sunday morning as people head to church.” The club has a lot of new members active with 2-meter and 222-MHz hand-helds, and they set up special hours beforehand where they’re looking specifically to work people on FM. Their location and station allows them to work large numbers of these “ham shack on a belt clip” stations. It sure works! Not only did they win the plaque for finishing in fifth place among Limited Multiops, but the club has grown to almost 90 members. Who knows how many will be interested enough to one day try weak-signal operating?

Whether you join a multiop effort, strike out on your own or just operate from the comforts of home, the June VHF QSO party is an enjoyable way to have fun in ham radio. If you got on, you know what we mean. If not, what are you waiting for? The January VHF Sweepstakes is only a few weeks away—why not check it out? Thanks to Contest Assistant Rich Moris, KB1LE, for his help in preparing these results.

SOAPBOX

I was able to work my first Cuban stations! The contest was great fun, and I hope more Novices and Technicians try VHF/UHF contesting in the future. Even FM contacts can be fun! (N8WXQ). Propagation was fair and I worked FN45 in Quebec. I still find that these events provide strong enjoyment and fun, after 39 years (W1EJ). We had great activity in Vermont for the contest. The weather was beautiful and there were lots of rovers and portables (K1LPS). E skip gave me my first contact on 6 meters, with three worked in five minutes. The EM85 station I worked added icing to the EL83 and EL93 cake (KC2TA). We had a lot of fun in the couple of hours we operated Saturday evening, although the mosquitoes made more contacts than we did! More hams should flip on their hand-held or mobile FM rigs and listen for contesters on the simplex frequencies; they’d be surprised at how many stations they might work (W1EDH). This was my first contest and I worked it from my second-story balcony, quite an enjoyable experience. (N2YCD). We had a lot of fun, but even more exciting was the brief aurora that appeared unexpectedly. Our biggest surprise was at the beginning of the contest, when we were able to work EM74 (WA2AEY). A little sporadic E and great weather made for a great weekend (KB2DMK). This was our best organized effort ever. Propagation was up and down, we therefore had to work a little harder for those elusive contacts (N2LXD). Although conditions were a little slack, we had an enjoyable time and enjoyed working all the new Technicians on 2 meters (N3FTI). We enjoyed this contest more than some of the past ones. However, one of our ops found that a 5-kV ceramic “doorknob” capacitor was experiencing a catastrophic failure and making things sound exactly like a 12-gauge shotgun (K3MQH). We had a fantastic setup and an outstanding crew on board. Next contest we’ll move to the mountains to improve our chances (KC3EK). Conditions from this station were relatively slow, but I still had fun. That’s what it’s all about (W4ALJ). We were flooded with QSL cards for this “rare grid.” We made a lot of people happy (AA4R). It was great fun, with each contact like pulling teeth, but I hung in there (KD4SZJ). Conditions at this point in the sunspot cycle were a true test of the 20-second QSO (KD4HXT). The sporadic E cer-

VHF Contesting for the Average Guy

By Jack Pfister, KA2IVS
118 Colona St
Wyckoff, NJ 07481

This is the lowest score I’ve submitted in years. Looking back on my log, I notice that I spent less time at the mike and key than I customarily do. I had just completed a grueling business trip and had flown Saturday morning (one of those 4:30 AM wake-up-call flights!), so I know fatigue took a much bigger toll on me than usual, lowering my endurance.

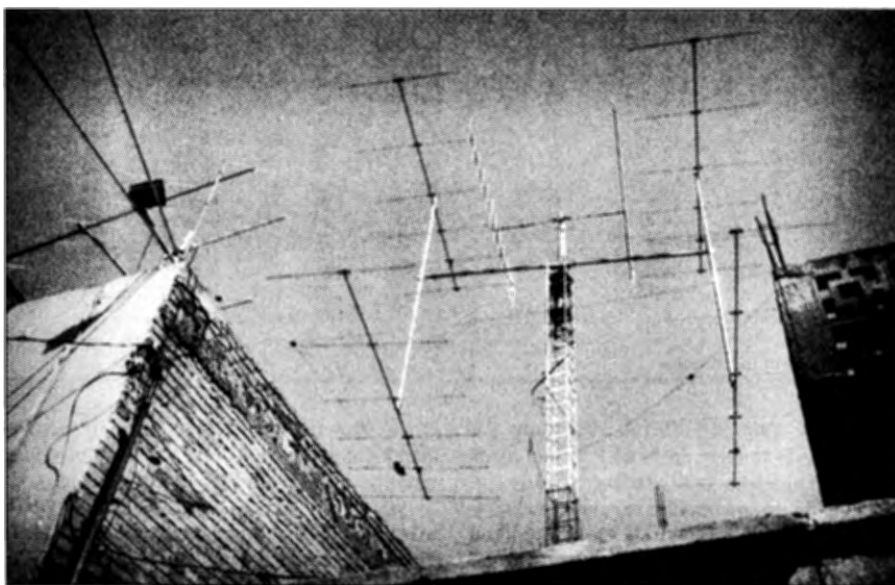
Another observation: I’m saddled with a rooftop tripod beam, up only about 27 feet. I can usually work what I hear, but I’m never able to work the tropo that stations only a few miles away can because most of my signal is soaked up by the oak trees a few feet from my antenna.

This means I get my points, few as they are, by sheer tenacity and QSO totals, not by multipliers. In January, when everyone is sitting around in their warm homes, nearly half of my QSOs come from casual operators “giving out points.” In June, when the mountaintoppers are in action, they set up their elaborate stations with 20 operators, stake out a frequency, and call CQ all weekend. The net result is that all those casual operators are gone, off on one mountain, sitting on one frequency for the duration. Where there were 20 stations on 20 frequencies, there’s now one “big gun” in one spot. I can understand how they feel the need to justify the effort their team put into the contest, and having 24 hours of 10 megawatts a zillion miles up on the ridge, they feel Mohammed will work the mountain. It’s funny, when these stations finally look around the band toward the end of the contest, I’ll hear two monster signals that have been 10 kHz away from each other making their first contact with each other!

The “little pistols” like me fill their log sheets because we’re the only ones hunting and pecking (or, to put it in submarine lingo, we’re the “hunter-killers”). Again, this is an observation, merely a comment on the facts of contest life. I’ve been on the mountaintop and I’ve operated from home, too. I settled on the latter because I’m away from home enough on business, and being able to get up from the operating position and play with my seven-year-old during the weekend takes precedence over overflowing the register of my calculator totaling up my score.

I’m moving to a new house where I don’t think I’ll even get away with my rooftop tripod. KA2IVS, humble but dedicated VHF contest station, will be QRT, but KA2IVS, humble but dedicated VHF contest team member, will be headed back to the mountaintop. I participate in contests for all the usual reasons; for the camaraderie with other contestants, for the chance to hone my operating skills, for the challenge of pulling an exchange out of a signal so weak that ragchewers scratch their heads and hear nothing but white noise and static. But most of all, I do it for the simple, exhilarating glory of it all.

I enjoyed my hiatus from the mountaintop teams, working in my quiet, cool home shack surrounded by family, hot food, cold beer and a flush toilet. I’ll climb the mountain again with as much delight. The hardships increase exponentially, but so does the score and so does the glory. But when the rest of the team is on a break and I’ve got the midnight watch, I just might reach for the VFO. I just might pick up that great big gun...and go hunting.



Tony, XE1GRR, used this antenna system from south of the border for his contacts from DL80.

tainly lived up to its name (AJ6T). It was a big thrill when I was called by KL7MH. I was sure I had the 50th state, but he was in EN10 (WB2QLP). The gremlins attacked our computer LAN and it went south, our 6-meter beam developed an attitude, and our 6-meter amp decided it would go on vacation. Yes, Murphy joined our operation. Even with his help, we had a great time and continued to learn about VHF and contest operating (W4IY). This was our first father-and-son operation. We put up a 35-foot tower with a 10-element beam and operated from a picnic table in the backyard, close to the house and its refreshments (W0QPD). There wasn't a rip-roaring opening on any band this year, but the contest was still a lot of fun. My thanks to the rover stations that provided the extra activity and to the new hams who got on the bands with minimum antennas, just to have fun (WD5EWD). This is the fourth straight year that I've been assigned to a business trip during the June VHF contest. All my operation was with hand-helds and 1/4-wave whips, as I stood in business attire on the newly cut grass in front of an office building. Just hearing W1s and W6s simultaneously with a whip was impressive! (K1FJM). I want a contest location with no neighbors around for at least 20 miles (W05S). We operated from South Baldy, southwest of Socorro, New Mexico, at about 10,700 feet elevation. The site is the location for Langmuir Lightning Research Laboratory, and it did live up to its reputation during our operation (N1HR/5). This was my first VHF contest. We had a fantastic location atop Strawberry Peak at the 6100-foot level, taking our breath away, to say the least (AA6U). This is the highest score I've ever made in the QRP-portable class. It was a great contest weekend with excellent weather and outstanding participation by a large number of amateurs. Would you believe I made three contacts on 1296 MHz with the receive preamp terminated into a 50-W dummy load? (WA5DJJ). This was my first contest. It was definitely a blast. I've been bitten by the VHF bug and I'm now a confirmed contester (KN6WY). The weather was excellent at 7500 feet at Big Hole Pass, Montana. (W7HAH). This was my first attempt at portable operation. It was pleasant to operate among the pines, far above the 100° heat in the valleys (K7NV). The high winds were a problem, to say the least. We were operating from an ice-fishing hut, and at 1 PM on Sunday, a gust lifted the hut *with me in it*, along with two deep-cycle batteries, the rigs and assorted items, and moved it about six inches. I quickly retreated to the safe operating position in the car (N7WVZ). This was an excellent year in the contest for me. I more than doubled my score from last year and we had a lot of fun (N8VEA). The conditions for the contest were down slightly from last year, but we did well on the 2-meter end of the contest (N9LAG). The biggest assets in the contest were the many rovers that appeared and made the contest interesting (N8UM). The most interesting thing that occurred during the contest weekend was an opening on 50 MHz, when we had a double hop into Mexico on Sunday evening (WA9HCZ). The bands we used over the weekend had a little bit of everything. The most interesting band was 50 MHz, which showed nice things—meteor, E_s, etc (WA9LWJ). I've operated the VHF QSO party in the past, but this is my first actual entry. It was a lot of fun, although it was a challenging weekend (N0IVN). It's not the score that matters, but the opportunity to participate in good, clean fun. That's my reward. I'm looking forward to the next contest (N0YGM). There was outstanding participation in the Rocky Mountain area (N0VSB). We were (as usual) late getting started, but this time we had an excuse—we did very little planning before the day of the contest. Assembling a complete four-band station including the antenna system can be fun. We gave it our all and didn't fare too badly (W0/G4JEC). We put up a temporary 40-foot tower the day before the contest, and used small wooden stakes for guy anchors and nylon rope for guy wires. While I was at the top of the tower, I noticed my golden retriever digging up one of the guy wire anchors. A lot of yelling convinced him to move on. The tower stayed up and survived the weekend. The dog survived, but only after he convinced me he was only trying to help (KD0DW). There weren't the best of band conditions, but the participation of the CO and XE stations was a redeeming feature (K0TLM). When we started this contest, we figured

Plaque Winners

Single Operator

Position	Winner	Score
1st	WA8WZG	241,362
2nd	WA2TEO	215,830
3rd	K1RZ	169,988
4th	KA1ZE	166,935
5th	WA8NJR	164,024
6th	WB5IGF	116,875
7th	N0LL	114,330
8th	AA4ZZ	104,256
9th	WB2DNE	102,227
10th	KE8FD	96,268

Donor

Mt Greylock Expeditionary Force, W2SZ/1
Bald Knob VHF Contest Group, AA9D
Kenwood USA Corporation
Midwest VHF/UHF Society
Delaware Valley VHF Society
Ed Parsons, K1TR
Eastern VHF/UHF Society
Wellesley ARS, Mt Equinox Contest Crew
KS VHF/UHF Ops Annual On the Hill Get Together
South Mountain Contest Team, K3MQH

Single Operator QRP Portable

Position	Winner	Score
1st	KH6CP/1	57,232
2nd	NM1K	31,270
3rd	WR3I	27,571
4th	WA5DJJ	22,388
5th	WA4ALJ	19,872

Donor

Dick, K2RIW, and Jay, K2OVS
Peter Putman, KT2B
Long Island Mobile ARC
West Coast VHFer
KS VHF/UHF Ops Annual On the Hill Get Together

Rover

Position	Winner	Score
1st	KC6WLC	206,052

Donor

W2SZ/1, in memory of Dick Goodman, WB1HIH

Multipoperator

Position	Winner	Score
1st	W2SZ/1	872,193
2nd	N2WK	854,756
3rd	AA9D	495,768
4th	N8FMD	449,094
5th	W3CCX	437,076
6th	W3ZZ	431,276
7th	K3YTL	335,920
8th	N2WM	277,485
9th	W4IY	253,833
10th	W0UC	212,040

Donor

Randy Stegemeyer, W7HR
N2LIV, N2GHR, N2BFJ Contest Team
Kenwood Employees RC, WD6DJY
Harry Stein, W3CL, Memorial
KS VHF/UHF Ops Annual On the Hill Get Together
Rochester VHF Group
Northern Lights Radio Society and W0UC
Flagpole Knob Contest Group, W4IY
Schenectady ARA, K2AE
ARRL

Limited Multipoperator

Position	Winner	Score
1st	K1TR	415,910
2nd	K3MQH	377,538
3rd	W3EP	308,720
4th	K3UA	308,337
5th	K6MEP	190,302

Donor

W3EP/K9AKS/W9IP
Kenwood USA Corp
Kenwood USA Corp
WA2TEO, W2GKR, W2GKO, KA1FVG
Big Mountain ARC

Marine Mobile

Position	Winner	Score
1st	N8VOG	322

Donor

Wayne T. Yoshida, KH6WZ

DX Single Operator

Position	Winner	Score
1st	CO0EGZ	5,040

Donor

Bill Tynan, W3XO

DX Multipoperator

Position	Winner	Score
1st	CO0FRC	34,112

Donor

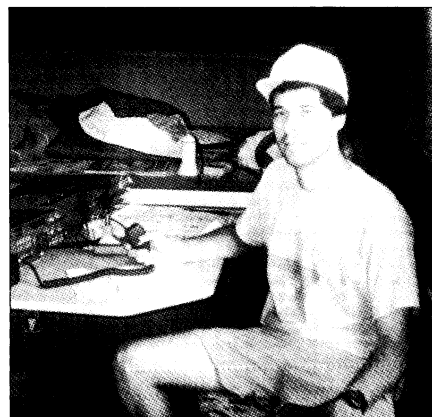
Robert J. Carpenter, W3OTC



Ralph, N5RZ, poses beside his "rover machine" at K5MR's QTH.

Top Rover Scores

KC6WLC	206,052
N0HJZ	192,250
N5RZ	152,492
N0LRJ	145,140
N7TTO	135,065



John, N0HAX, in his pop-up trailer with the 6-meter and 432-MHz gear.

Region Leaders

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

WA2TEO 215,830 S
K1RZ 169,988 S
KA1ZE 166,935 S
WB2DNE 102,227 S
K5MA 92,230 S

KH6CP/1 57,232 Q
NM1K 31,270 Q
N3FTI 15,768 Q
N1DGF 1,725 Q
NJ2R 608 Q

K1TR 415,910 L
K3MQH 377,538 L
K3UA 308,337 L
N2CEI 184,758 L
WB1GQR 120,416 L

W2SZ 872,193 M
N2WK 854,756 M
W3CCX 437,076 M
W3ZZ 431,276 M
K3YTL 335,920 M

ND3F 77,812 R
KB2NAV 52,647 R
N2WSW 25,350 R
N1ISB 22,470 R
N1NOE 9,890 R

Southeast Region (Delta, Roanoke and Southeast Divisions)

WB5IGF 116,875 S
AA4ZZ 104,256 S
N8TLZ 83,385 S
N8UM 53,300 S
NS4W 51,125 S

WR3I 27,571 Q
WA4ALJ 19,872 Q
KI4JU 6,300 Q

W3EP 308,720 L
W4NT 126,690 L
N4HB 79,860 L
AA4R 55,375 L
W4CMA 37,544 L

N8FMD 449,094 M
W4IY 253,833 M
N4XND 14,008 M

WR3Z 58,801 R
KC4WIC 41,601 R
KD6PUD 8,880 R
KD4OWS 3,870 R
KB4PBM 3,680 R

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

WA8WZG 241,362 S
WA8NJR 164,024 S
KE8FD 96,268 S
WZ8D 95,090 S
N9MKC 67,488 S

N8LGP 3,168 Q
N8AXA 2,765 Q

VE3ONT 185,028 L
W8ULC 96,600 L
N9LAG 82,331 L
VE3TMG 23,700 L
N8KOL 17,168 L

AA9D 495,768 M
WW8M 117,276 M
N8PJP 26,077 M

KE9QT 106,330 R
K9JK 76,544 R
AC4HG 56,606 R
WB9SNR 16,013 R
VE3NPB 2,701 R

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

N0LL 114,330 S
KB5IUA 93,840 S
K9MK 93,644 S
WA0BWE 83,376 S
WA0NTT 62,980 S

NN9K/0 3,139 Q
W8FK 315 Q
K1FJM 176 Q
N0MSB 125 Q

W5KFT 181,272 L
N00Y 135,660 L
WR0G 121,905 L
KD0PY 26,300 L
KB5KYJ 23,028 L

W0UC 212,040 M
WQ5S 109,208 M
W3XO 83,990 M
WB0GGM 81,770 M
WB5VYE 55,539 M

N0HJZ 192,250 R
N5RZ 152,492 R
N0LRJ 145,140 R
N0GII 44,696 R
WA2VOI 40,890 R

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

K6KLY 52,574 S
AJ6T 39,605 S
WB6FCS 38,841 S
N6KN 37,479 S
WM7A 32,805 S

WA5DJJ 22,388 Q
KB6MEG 8,055 Q
KD6RMS 7,904 Q
AA6U 3,762 Q
KN6VW 1,127 Q

K6MEP 190,302 L
K6HXW 56,135 L
WA7JTM 43,428 L
NSUYU6 43,354 L
WB6DTA 28,514 L

K6JYO 74,625 M
NU7Z 68,820 M
N6MI 59,718 M
W6TRW 55,458 M
WA6YDI 33,792 M

KC6WLC 206,052 R
N7TTO 135,065 R
N0XX 45,705 R
K6LMN 40,810 R

we'd work a couple of guys, but to our surprise, 6 meters opened and for a couple of hours we had a lot of fun (WD0T). I'd have liked to have worked more US stations, but I'm grateful for the stations that turned their beams north (VE1KG). This was a great contest. There was lots of activity on 222 MHz, particularly when the guys pointed their antennas north and made some noise (VE3DSS). This is the second year in a row I've been fortunate

enough to find absolutely ideal locations. I was operating from the top of the local ski club lift area. I could see for miles. I set up in a tent, fired up a 4-kW generator and took a bath in deep woods, and used *Off* to keep black flies from taking me away (KO4OE/VE3). The openings on 50 were extremely short, but was I happy to snag a couple of COs (VE3ONT). We had a few problems other than ham

radio, like a 4x4 blowing transmission fluid all over the mountain, a flat tire, mosquitoes thick as fog when the wind died down, and a dead 1296-MHz GaAsFET. On the brighter side, the Forest Service shack had power, with a fridge and stove, we saw two unbeatable sunsets over thousands of acres of mountaintops, and we found dedicated hams all over North America getting 100% out of their hobby (VE7NUT).

Scores

Scores are listed by ARRL/RAC Sections and DXCC Countries. Within each Section, single-operator scores are listed first, followed by QRP-Portable, multiplier and limited-multiplier scores. Rover scores are listed by Division. From left to right, each line lists: call sign, score, QSOs, multipliers, class (S = single operator, Q = QRP-portable, M = multiplier, L = limited multiplier, R = Rover), number of grids activated (for Rovers), and bands worked (A = 50 MHz, B = 144 MHz, C = 222 MHz, D = 432 MHz, E = 902 MHz, F = 1296 MHz, G = 3.4 GHz, H = 5.7 GHz, I = 10 GHz, J = 24 GHz, K = 47, L = 75 GHz, M = 119 GHz, N = 142 GHz, O = 241 GHz, P = 300+ GHz). Among single-operator stations, single-band winners are noted with band letter(s) in **boldface** print indicating the band won. Call signs of Divisional leaders are listed in **boldface** print; new Divisional records are noted with an asterisk.

1

Connecticut

WA2TEO 215,830 808 191 S ABCD9EF
KA1ZE 166,935 745 155 S ABCD9EFG
K1EM 38,544 308 88 S ABCDE
K1ZZ 27,807 341 69 S ABCDE
K2LME 3,406 131 26 S B
N1NOD 3,264 107 24 S BD
W1QJL 2,900 84 29 S ABD
WA1GTP 2,697 79 31 S A
W1WHL 2,232 93 24 S ABC
K1WVX 1,188 54 18 S ABD
N1KLB 1,045 49 19 S ABD
N8WXQ 742 51 14 S ABD
WV1C 540 45 12 S B
NM1K 31,270 352 59 Q ABCD9E
W1QK (+KA1SYG,N1OFZ)
77,688 623 104 L ABCD
W1OD (+N1JUV)
11,220 211 44 L ABD
W1ORS (AA1HY,N1ORW,WA2JR,ops)
2,639 84 29 L ABCD
W1EDH (KB1AUO,N1LMP,W1STO,ops)
484 41 11 L ABD

Eastern Massachusetts

K5MA 92,230 598 115 S ABCD
KB1KM 15,370 189 58 S ABCDE
N1BWT 12,540 151 57 S ABCD9E
K1SRZ 9,717 184 41 S ABCD
KX1C 8,281 124 49 S ABCDE
K1MBO 5,814 127 38 S ABCD
WA1OFR 768 44 16 S ABD
KA1ZTU 85 12 5 Q BC
W1XX (+K1GX)
94,068 566 117 M ABCD9E
WA1UDH (+KA1s EKR,CLV,ops)
18,096 266 52 L ABCD
K1MYL (KA1BZE,KA1RM,N1s LIW,NNZ,OHV,
WA1DPR,ops)
4,130 99 35 L ABD
N1FDX (+N1FYZ)
980 70 14 L B

Maine

NY1E 10,962 203 54 S A
N1MRE 1,792 78 16 S BD
W9KDR/1 645 35 15 S BD
W1PLX 36 6 6 S B
N1DGF 1,725 75 23 Q B

New Hampshire

W1EJ 12,906 169 54 S ABCDE
N1JAC 180 30 6 Q B
Rhode Island
KM1X 14,893 259 53 S ABD
N1EYE 2,525 80 25 S BD
K1TPK 1,701 81 21 S AB
W1OP (K1DS,KA1KWE,N1s BAQ,RHS,W1s GS,
IUP,WA1UWU,ops)
65,650 417 101 M ABCD9E
K1MUJ (K1OQG,KB1H,WA1HYN,ops)
22,743 276 63 L ABCDE

Vermont

W1AIM 24,983 228 83 S ABCDE
K1LPS 1,647 44 27 S ABCDE
KH6CP/1 57,232 335 98 Q ABCD9EFGHI
W1BD (KA1LDL,KB1AJZ,KD1RX,N1s FMP,IOL,
OEWM,MAM,QYU,WA1YNU,ops)
7,590 134 46 M ABCDEI
WB1GQR (N1s GPY,JEZ,JQZ,WA2JSJ,ops)
120,416 886 106 L ABCD
N1CVA (+WE1U)
10,706 153 53 L ABCD
KD1UP (+KD1DP)
406 27 14 L ABD
N1ESK (+N1REB)
1 1 1 L B

Western Massachusetts

N1DPM 66,308 313 121 S ABCD9EFG
WA1MBA 25,212 240 66 S BD9EFGHI
WA2TIF 13,524 248 42 S BD
N1LZC 7,080 190 30 S ABCD
N1FUS 4,368 139 28 S ABD
N1EUG 4,292 137 29 S ABD
K1FWF 3,045 105 29 S AB
N1FGY 440 28 11 S ABCD
K1JG 279 31 9 S B
K1JDL 208 26 8 S B
N1QKR 150 50 3 S B
W2SZ (K1s DH,NKR,KA1PRT,N1QKQ,WA1s
UGE,ZMS,K2TR,KA2FWN,KB2MR,KE2TP,N2s
BNY,GXK,IPA,KZ,YCA,WA2s AAU,SCA,
WB2KMY,WF2B,WS2B,AK4L,KE4IBF,WA8USA)
872,193 1751 287 M ABCD9EFGHIJN
W1NY (N1s KBY,RIL,W1KK,ops)
24,540 281 60 L BCD
K1II (N1s MOC,QBL,RAL,ops)
10,000 184 40 L ABCD

2

Eastern New York

WA2BAH 37,961 333 77 S ABCD9EFI
W3HHN 26,460 266 70 S ABCDE
N2MSS 13,000 202 50 S ABCD
WB2WHD 11,970 182 45 S ABCDE
KC2QF 5,360 100 40 S ABD
W2AKZ 5,018 156 26 S ABCD
KB2KTZ 4,446 124 26 S ABCD
W2ARQ 3,700 140 20 S ABCD
WY2H 2,780 99 20 S ABCD
KB2EEU 2,700 89 30 S ABD
N2QFH 2,160 94 15 S ABCDEI
WB2VQV 1,960 68 28 S ABD
W2KHQ 1,562 48 22 S BDE
K2RI 1,452 85 11 S BCD
N2PEQ 1,310 104 10 S BD
WB2OEE 832 64 13 S B
N2NWZ 528 48 11 S A
KA2EXB 360 40 9 S AB
AA2CW 130 23 5 S BD
W2VDI 55 11 5 S AB
N2VZQ 52 13 4 S B
WB2IEY (KD2IX,N2s CWV,DHH,DVQ,FMC,GCZ,
GKM,NOX,WA2YTM,WB2s NHC,VVS,ops)
75,863 510 107 M ABCD9EF
AB2I (+AB2J,K2DNR,W2AXW,WA2IID,WN2Y)
73,840 519 104 M ABCDEFI
KA2VJV (+AJ1J,KB2HZI,KF2TR,N2s IWE,KPM,
OAH,OHF,PLQ,QLB,QLD,SKH,SKP,STD,VAH,VHL,
VSI,WKC,WA2s JQK,UJK)
68,676 615 97 L ABCD
WB2CRZ (KA2QYE,KF2PJ,N2s RPX,QII,XYE,
WYN,WA2HJW,WB2FWK,ops)
8,268 164 39 L ABCD

NYC-Long Island

N2BFJ 47,952 278 111 S ABCD9E
N2LIV 36,855 264 91 S ABCD9E
N2GHR 23,316 212 67 S ABDE
N2KFC 3,973 137 29 S B
N2NSY 2,772 126 22 S B
W2GI 2,574 99 26 S B
N2QHS 2,332 89 22 S ABD
N2BT 1,900 100 19 S B
NB2V 816 34 12 S D
WB2AMU 560 35 16 S A
N2PFQ 161 23 7 S B
K2OVS 60 10 6 Q A

Northern New Jersey

WB2VWV 51,714 364 102 S ABCD9E
WB2WIH 20,242 271 58 S ABCD
AK2F 11,596 178 52 S ABCD
WB2QOQ 10,678 281 38 S B
K4BNC 7,228 112 52 S ABD
KA2IVS 2,574 117 22 S B
N2LMU 2,413 110 19 S BD
N2OGU 1,180 59 20 S AB
KA2SSX 782 46 17 S B
WA2FVL 648 72 9 S B
KB2JE 473 11 S B
KB2QDQ 450 30 15 S B
N2KJM 306 44 6 S BD
N2WZB 235 47 5 S B
NJ2R 608 38 16 Q B
N2WM (+KB2LHH,N2s BCC,BIM,HMM,WA2FCF,
WB2UFF,W3DR)
277,485 1042 195 M ABCD9EF
N2CEI (+N2s BOW,EOC)
184,758 920 159 L ABCD
N2OUM (+N2PPV)
5,379 161 33 L ABD
NX2Q (+N2JVP)
2,943 82 27 L BDE

Southern New Jersey

W2HRW 43,011 415 81 S ABCD
K2YV 32,396 278 89 S ABCDE
K2GAL 18,720 390 48 S B
N2SCJ 13,583 223 47 S ABCD
K2TA 6,396 158 41 S AB
WB2REM 6,048 139 32 S BD
W2EIF 4,602 74 39 S ABCD9EF
N2UNH 1,176 74 14 S BD
N2IVQ 880 44 20 S B
N2MPU 320 32 10 S B
N2YCD 21 7 3 S B
K2AA/3 (N2s FY,LCR,W2EA,WA2s CVJ,ZZX,ops)
68,090 494 110 L ABCD
KB2AYU (+AA2BN,N2NRD)
52,116 388 101 L ABDE

Western New York

K2AN 51,852 305 116 S ABCD9EF
K2EZ 39,567 319 100 S ABD
K2UA 12,740 122 70 S ABCD9E
KA2QDA 7,030 156 37 S ABCD
WA2ZNC 6,478 117 41 S ABCD
K2TTI 4,715 98 41 S BD
K2DEQ 4,326 88 42 S ABD9

WA2AEY 4,251 109 39 S B
 N2HFO 3,672 136 27 S B
 W2WGL 1,798 62 29 S B
 KB2NFS 936 83 9 S BD
 N2RHL 825 55 15 S B
 W2UAD 792 44 18 S B
 N2HJD 646 24 17 S ABCDF
 WA2YBM 32 6 4 S BD
 N2WK (+K2Os,KA2s HSK,RDQ,KB2SE,KE2WK,
 N2V7B,W2s DYY,HPF,WB2CQJ,KD5RO,N59E)
 854,756 1386 356 M ABCD9EFGHIJ
 WB2ELB (+ops) 82,288 410 139 M ABCDEI
 KB2DMK (AA2MZ,N2HLT ops) 70,605 418 135 L ABCD
 N2LXD (+AA2GV,KB2s OAZ,MRZ,KF2PD,N2s LYZ,
 MHD,WA2AWX,N3s MLO,MLX,MTW,NKW,ops)
 65,688 379 136 L ABCD
 KE2PM (+K2s MPE,SPO,N2s PBU,PBX,QYN,WKT,
 VBM,ops) 55,440 375 126 L ABCD
 NU2U (+N2s WPB,VSR,XDP) 22,734 321 54 L ABCD
 N2VXE (+KQ2N) 2,754 70 34 L ABD

3

Delaware

KB3PD 26,520 219 78 S BCDE
 K3CNH 16,402 214 59 S ABD
 N3KSE 4,826 119 38 S ABD
 WA3BZT 4,576 176 26 S B
 AC3T (KA3B,op) 1,089 33 33 S A

Eastern Pennsylvania
 KB3IB 34,823 233 97 S ABCD9E
 N3FUJ 30,814 336 71 S ABCD
 WA3HMK 22,066 374 59 S B
 K3GNC 12,798 174 54 S BCD
 N3ADC 8,632 134 52 S ABCDE
 KB3ZS 6,567 152 33 S BDE
 N3LKI 6,396 134 39 S ABD
 N3JNX 1,830 56 30 S ABD
 WA3CSP 1,288 46 28 S A
 N3OGF 1,232 56 22 S B
 K3ARR 792 31 24 S ABD
 KB3YL 792 44 18 S A
 W3JUS 574 41 14 S B
 K3KEL 260 20 13 S B
 N3BDA 256 27 8 S BC
 W3UOC 112 16 7 S B
 N3FTI 15,768 254 54 Q ABCD
 AA3CR 396 18 12 Q BCDI
 W3CCX (WA1YHO,K2UYH,WB2YEH,K3s ESJ,MFI,
 KU3A,N3s EHV,EXA,GSAT,NEH,OZO,
 W3GAD,WA3s,AXV,JUF,NUF,YUE,WB3s DNI,
 JYO ops) 437,076 1261 228 M ABCD9EFGHIJ
 K3YTL (WA1MKE,K3MKZ,KA3s EEO,ZHT,KB3QI,
 N3s OCG,OCI,PBH,W3DZH,WA3s JWP,YON,
 WB3s FAA,FKQ,FYT,ops) 335,920 1139 221 M ABCD9EFG
 K3YVY (+N3s LJK,MYMDAP,WA3VGP,WB3ESS)
 44,022 309 87 M ABCD9EF
 K1TR (+K1EA,KA1IGD,N1AFO,WS1C,K3IL,KM3T)
 415,910 1589 209 L ABCD
 K3MQH (+K3s IXD,LYW,RA,KF3P,N3s EYB,KTV,
 W3ELT,WFT3) 377,538 1482 202 L ABCD
 N3FJA (+N3ORF) 3,304 101 28 L ABD

Maryland-DC

K1RZ 169,988 664 182 S ABCD9E
 WB2DNE 102,227 489 151 S ABCDE
 K3ZCO 51,637 467 111 S AB
 WA4VHF 13,754 115 46 S DEF
 N3IZR 5,845 167 35 S B
 W3GN 5,160 107 40 S ABD
 W6AXX 3,552 148 24 S B
 KB2CY/3 1,782 71 22 S ABCD
 W3AZ 1,586 61 26 S AB
 WB2BZR/3 1,365 54 21 S ABCD
 K3TEZ 1,160 58 20 S B
 K3UMV 900 50 18 S B
 WA3SEE 759 33 23 S A
 WA3GYW 741 39 19 S AB
 W3MSN 490 31 14 S ABD
 N3IKQ 84 12 7 S B
 W3IP (+K3YDX,KD3YU,N3s CBJ,OE,WB6VG)
 157,416 674 168 M ABCD9E
 KC3EK (+KA3EJ,K3GGB,N3ELK) 39,312 345 91 L ABCD
 NV3Z (+N3AVQ,NA3T) 9,389 197 41 L BD
 WA3UTC (+KE3FB,N3QPD,WB3UTC) 5,180 185 28 L B

Western Pennsylvania

NW3C 69,642 364 146 S ABCD
 AA3GM 5,400 85 54 S ABD
 N3GSC 760 38 20 S B
 W3JMK 435 29 15 S A
 WB0IWG 16 4 4 S AB
 WB3CXR 12 4 3 S A
 WB1J 117 13 9 Q AB
 W3ZZ (+K1HTV,KH2Z,K3ZH,WR3E,WAGVG,
 WB8ISK) 431,276 1161 274 M ABCD9E
 K3UA (+N2s ME,NT,NU,KA2AEV,KB2AH,KC2J,
 KR2J,K2ZS,WW2Y,K3LR,KA3JNN,WR3G,
 NZ4K,KD8NS,KG8GO,KU8E,ops) 308,337 1126 237 L ABCD

4

Alabama

WA4ZZW 4,692 81 51 S ABD
 KE4FRZ 2,254 74 23 S BD
 KD4ZO 1,782 64 27 S ABD
 W4NTI 459 27 17 S AB
 N4AHJ 294 21 14 S A
 KD4FPY 12 4 3 S AB
 *WA4ALJ 19,872 222 69 Q ABCDE

Georgia

WS4F 33,354 228 109 S ABCD9EFG
 W4WDH 1,400 56 25 S AB
 KC4YOJ 117 13 9 S AB
 N4XND (+K4KAZ,KC4DOO,WA4s IOB,IZI)
 14,008 174 68 M ABCDE
 W4NT (AA4s,AB4RU,W4D4WN,W4QV,AE6E,K9VV,
 KB0I,ops) 126,690 538 205 L ABCD
 W4CMA (AC4OP,AD4QR,K4AEK,KC4s DHJ,ZUA,
 KD4s HLG,HME,KA5WZY,ops) 37,544 306 104 L ABD
 AC4UQ (+KQ4LE,KR4IP) 2,464 67 32 L ABCD
 KC4GCK (+KE4IXE) 600 50 12 L B
 Kentucky
 KN4OL 6,270 99 57 S ABD
 K4JGS 5,265 99 45 S ABD
 KD4SZJ 2,997 81 37 S AB
 WA4FVQ 720 40 18 S AB

North Carolina

AA4ZZ 104,256 477 181 S ABCD
 N4YJZ 8,320 134 52 S ABCDE
 KS4S 168 14 12 S A
 KE4ERB 1 1 1 S B
 WR3I 27,571 251 79 Q ABCD9E
 K4JU 6,300 108 45 Q BD
 AA4R (+K4MOG,WA4VOC) 55,375 342 125 L ABCD
 W4DW (KS2Z,AC4ZO,K4SAN,KC4UQN,KE4s
 DRJ,FCJ,N4YTQ,NA4Q,WA4s BPJ,LHE,ops)
 24,893 284 73 L ABCD
 KQ4MS (+AC4UD,AD4PY,K4APUV,KB4ZMB,KC4s
 PHJ,YLE,KD4s BSP,WJP,WKD,KE4s MET,MGK,
 KQ4MS,N4TQ,WA4SIS,WB4IUY,N8QRQ) 16,800 194 70 L ABCD
 W4BFB (KB2LH,WB2NHQ,AB4IE,KC4YOY,KD4s
 HSL,RGD,KE4s CCO,EGX,HYN,KR4AB,
 K4HNN,N4YYN,RA4HT,UA4HMD,ops) 11,376 143 72 L ABCD

Northern Florida

WB4JEM 16,065 160 85 S ABDE
 N4TWX 6,384 102 56 S ABD
 KD4CLA 836 44 19 S B
 KD4HXT 713 31 23 S A
 WE2M 20 5 4 S B

South Carolina

AA8Q 247 19 13 S B
 KK4SO (+KC4YQS,KD4UEO) 3,332 91 34 L ABD

Southern Florida

WB2QLP 14,250 187 75 S ABD
 WD4MGB 11,324 134 76 S ABD
 WD4AHZ 2,254 79 23 S BD
 W4OO 1,350 45 30 S A
 KQ4PI 1,176 39 24 S ABDE
 W4FNR 513 27 19 S A

Tennessee

N8UM 53,300 335 130 S ABCD
 NS4W 51,125 309 125 S ABCD9E
 AA4H 19,285 153 95 S ABCDE
 KB4FAI 7,224 172 42 S B
 AD4F 1,175 47 25 S AB

Virginia

K9OYD 29,154 221 86 S ABCD9E
 W8CM 21,996 218 78 S ABCD9E
 KQ8UJ4 17,030 195 65 S ABDE
 AD4DG 15,075 172 67 S ABD
 K4MSM 11,365 137 69 S ABD
 W4DO 9,576 114 57 S ABCDE
 N4MM 9,333 161 51 S ABD
 KC4YHI 7,140 144 42 S ABD
 WA4OVW 6,776 103 56 S ABD
 K4FTO 5,940 117 44 S ABD
 N4KWV 5,428 92 46 S ABCDE
 KD4EAO 5,106 91 46 S ABD
 N4YKD 833 38 17 S BCD
 K4ME 455 35 13 S B
 W4LMJ 435 29 15 S A
 W4IY (AC4XT,K4HWG,K4ACK,K4DNNI,KE4s DFI,
 GMV,K4JVG,KO4FM,N4DXS,WB4s NFS,RDV,
 RMJ,W4KXK,B8MLM,WA01YJ,ops) 253,833 904 211 M ABCD9E
 W3EP (+KB4NT,WB4WTC,WB4V3A5O) 308,720 933 272 L ABCD
 N4HB (+AB4SF,AD4KE,N4PAT,WA4PQ,WU4G) 79,860 482 132 L ABCD
 KC4ZRH (+KD4s GAR,KWN) 1,159 46 19 L BD
 W0QDP (+KB4UZK) 585 39 15 L B

5

Arkansas

WB5IGF 116,875 448 187 S ABCD9E
 K5YY 28,892 208 124 S ABD
 WM4Z 4,884 90 44 S BD
 KB5YUA 1,800 50 36 S A
 Louisiana
 N7JJS 17,100 180 95 S AB
 N5MYH 3,276 64 39 S BD
 N5KWB 2,520 56 35 S BD
 W5FYZ 2,494 86 29 S B

Mississippi

KG5MZ 425 25 17 S B
 New Mexico
 N5JHV 71,449 400 173 S ABD
 KN5S 58,435 377 155 S AB
 N7KA 13,695 153 83 S ABD
 KA5EBL 11,570 124 89 S ABD
 K5MAT 6,018 89 51 S ABCD
 K5RHR 3,589 67 37 S BCD
 N5ZGD 2,108 62 34 S AB

W5WOX 920 39 20 S ABD
 W5DO 540 28 15 S BD
 KB5ZSK 476 27 14 S ABCD
 W5GB (KA1MWD,N5UHB,NW5B,AA5DF,ops)
 22,454 196 103 L ABDI
 N1HE/5 (+KB5TJZ) 10,140 141 65 L ABD

North Texas

K8MK 93,644 468 164 S ABCD9E
 WD5EWD 42,504 274 138 S ABCD
 KF4FL 40,348 278 131 S ABD
 WD5K 30,371 251 121 S A
 AA5C 13,797 113 73 S ABCD9EFGHI
 KB5OAI 8,064 126 64 S A
 KF5DO 7,748 149 52 S AB
 K1FJM 176 16 11 Q AB
 W5SS (+AA5AM) 109,208 437 187 M ABCD9EFGHI
 WB5VYE (+WA5ZKO) 55,539 302 153 M ABCD9E
 KA5BOU (N5PGH,WB5VJ,ops) 5,520 91 48 L ABDE

Oklahoma

W5NZS 20,352 170 106 S ABCD
 AB5UH 7,125 101 57 S ABCDE

South Texas

KB5IUA 93,840 438 184 S ABCDE
 N5HHS 53,430 360 137 S ABD
 W5UWB 42,744 312 137 S AB
 W5SXD 22,969 200 103 S ABD9E
 KG5VH 15,280 160 80 S ABDE
 WA5IYX 8,640 135 64 S A
 KC5CCT 7,336 121 56 S ABD
 WB5OBS 6,847 130 41 S BD
 KA5PVB 4,134 78 53 S A
 W5OZI 3,952 76 52 S A
 AJ4F 770 55 14 S B
 KC5BQS 675 28 15 S ABD9E
 N5BA 341 31 11 S B
 W3XO (+K5LL,KB5NFN) 83,990 414 185 M ABCD9E
 W5KFT (+KM5X,WB5VZL) 181,272 655 249 L ABDE
 KC5FP (+K1SGO) 11,026 144 74 L ABD
 KB5ZFO 5,394 93 58 L AB
 NB5CA (+op) 50 10 5 L B

West Texas

W5AL 37,506 207 141 S ABCDE
 WA5QCP 2,451 53 43 S ABD
 AA5ZX 1,134 42 27 S B
 K5IS 948 17 12 S AI
 KB5KYJ (+KB5YSS,KC5FNF,N5EXE) 23,028 215 101 L ABD

6

Los Angeles

N6KN 37,479 322 93 S ABCD
 N7WLS 27,075 275 75 S ABCD
 W6GGV 20,570 240 55 S ABCDE
 K9AKS 19,320 280 69 S AB
 KA3DSE/6 16,650 255 50 S ABCD
 WB6CWN 15,890 176 70 S ABDI
 KD6FSM 9,344 201 32 S ABCD
 WD6GAD 8,398 174 38 S ABD
 WA6HXD 6,550 131 50 S AB
 W6OCV 6,460 148 34 S ABCDE
 K6HLH 4,247 137 31 S B
 K6GOU 3,087 119 21 S ABCD
 WA6LXB 2,145 109 15 S BD
 KM6JV 1,053 92 9 S BD
 KD6BZN 900 100 9 S B
 N6RVC 650 65 10 S B
 K6NUV 517 34 11 S BCD
 WA6CDW 504 14 9 S I
 K6BUU 480 40 12 S B
 AA6DW 245 49 5 S B
 KD6UUN 125 25 5 S B
 AC6AJ 24 8 3 S B
 N6TCZ 4 2 2 S B
 *WA5DJJ 22,388 291 58 Q ABCDE
 KN6W 1,127 49 23 Q AB
 N6MI (+AF6O) 59,718 451 111 M ABCDE
 W6TRW (AB6UP,KC6s VCS,YIH,KD6s DYK,IGI,
 VKB,WYQ,KE6s BJD,GCM,GPC,KK6LV,
 KN6LV,N6ZAY,WA6s JOK,MFP,ops) 55,458 497 78 M ABCDE

Orange

WB6FCS 38,841 265 121 S ABCD
 K6IBY 19,856 199 73 S ABCD
 WA6FIT 16,116 198 68 S ABCDE
 N6DN 12,474 168 63 S ABD
 WB6WLR 5,586 133 21 S D
 K6BHF 5,278 146 26 S BD
 K6FHF 4,212 162 26 S B
 AC6BB 2,496 147 13 S BC
 KC6UIX 1,900 100 19 S B
 N7IGO 350 50 7 S B
 AA6U 3,762 121 22 Q BCD
 KE6DI 144 36 4 Q B

Pacific

KH6HME 623 70 7 S ABCD
 K6GSS 36 9 4 S AB
 Santa Barbara
 WB6AAG 27,192 213 103 S ABCDE
 KB6VM 2,737 106 23 S ABCD
 K6BAZ 2,730 72 30 ABD
 KD6RMS 7,904 176 32 Q ABCDE
 K6MEP (WB2ODH,KC6TJV,KD6s DKX,YNG,N6s
 RMJ,QOA,WA6s DJS,JOK,ops) 190,302 867 161 L ABCD
 K6HXW (KB6s HPE,NRU,ops) 56,135 378 109 L ABCDE
 KD6AEJ (+WA3ELA,KC6WFZ,KD6BIQ) 8,251 183 37 L ABCD

Santa Clara Valley

K6KLY 52,574 383 97 S ABCDEI
 AJ6T 39,605 336 89 S ABCDE
 KF6CU 27,270 197 90 S ABCDEFHI
 K16CG 26,522 254 89 S ABCD
 KB6NAN 5,590 130 43 S A
 WB6XN 1,846 54 26 S ABD
 KA6ING 406 28 14 S ABD
 KE6GSQ 6 3 2 S B
 WA6YDI (AA6AH,KA6LAC,N6s GAI,MLD,
 WA6YDI,WB6ITM,ops) 33,792 284 88 M ABCDEI
 AA6PA (+K6KOP) 13,923 156 63 L ABCDE
 KN6TJ (+KD6UY) 4,312 97 28 L BDE

San Diego

K6QM 2,414 142 17 S B
 WB6FFE 1,258 74 17 S AB
 KB6CUT 108 18 6 S B
 KB6MEG 8,055 139 45 Q ABCD
 N6PC 322 46 7 Q B
 K6JYO (+NF6L,WB6OKK) 74,625 453 125 M ABCDEI
 WB6DTA (+K6DYD) 28,514 246 106 L ABCD
 WB6RDF (KD6GDL,KE6FLX,N6XIV,N7GZA,
 WB7QXU,ops) 22,295 317 49 L ABCD
 WB6AXW (+KE6DFE,N6RSH,AA7GL) 2,028 62 26 L ABCD

San Francisco

WA6KLK 17,208 205 72 S ABD
 WB6CVJ 7,200 160 32 S BCD
 WD6HDY 4,104 94 38 S ABD
 WN6W 1,752 73 24 S A
 AC6P 968 44 22 S A
 WA6LLY 390 26 15 S A
 KB6BKN 30 6 5 S A

San Joaquin Valley

WB4AYE 23,902 226 74 S ABCD9E
 WJ6T 10,980 244 45 S BD
 K6KY 5,031 91 43 S ABCD
 KD6WVL 1,540 70 22 S B
 WA6QYR 784 28 7 S FI
 N5UYU6 (KC6QPO,KD6HMT,KK6LT,KN6TT,
 N6MTS,ops) 43,354 292 106 L ABCDE
 N6JXL (KB6LQV,KC6s ESL,UCN,KD6HNN,
 N6ZGY,ops) 20,193 255 53 L ABCDE

Sacramento Valley

KC6TEU 24,800 263 80 S ABCDE
 N6KBX 13,064 184 71 S AB
 N6BYZ 3,696 102 28 S ABCD
 W5YWC 1,560 65 24 S B
 WB6CW 1,350 50 27 S A
 KB6BKN 473 43 11 S A
 KN6WY (+W6JEX) 12,160 148 64 L ABCD

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Arizona

K7CMJ 13,992 159 88 S AB
 K1SC 9,009 117 77 S A
 WB7OHF 5,940 94 60 S ABCD
 N7BUP 5,674 89 66 S A
 W6SE 4,158 77 54 S A
 KE7GH 3,744 67 48 S ABDE
 KF7JS 3,384 66 47 S ABD
 WE7L 855 45 19 S B
 N7GJD 714 34 21 S A
 K7CV 580 29 20 S A
 WA6MGZ/7 429 33 13 S B
 WA6JUZ/7 988 35 26 Q ABD
 WB7VVD (KB7VCO,KC7AED,N7VUB) 18,060 172 86 M ABCDEI
 WA7JTM (+N7AMA,WW7B) 43,428 292 141 L ABD

Eastern Washington

N7AUV 9,715 117 67 S ABDE
 N7JGO 1,584 35 33 S ABCD
 N7YAP 540 27 20 S A
 W7FHI (+KB7UWC) 9,792 130 64 L ABD

Idaho

W7ID 7,236 91 67 S ABDE
 KA7GUX 936 32 24 S ABD
 KJ7F 132 22 6 S B
 K7TM (KB7s PBN,WVD,N7LKA,ops) 16,107 148 91 L ABD
 KC7IJ (+KB7FUV) 2,911 71 41 L AB

Montana

WA7PDC 486 24 18 S ABD
 AA7BG 280 20 14 S A
 W7AH (+WA7KHO) 1,666 44 34 L ABD

Nevada

N7CK 41,210 265 130 S ABD
 N7WVZ 4,180 72 55 S ABD
 NR6E/7 3,876 68 51 S ABD
 N7XCZ 68 12 4 S BD
 *K7NV 4,189 71 59 Q AB
 WB7TDI (+WA6MNM,AE7,N7OVD) 36,992 238 136 L ABD
 NW7O (+W7TV) 23,326 202 109 L ABD

Oregon

KE7CX 26,730 206 99 S ABCD9EFG
 N7AVK 26,400 201 110 S ABCDE
 KG7FV 9,177 125 57 S ABCD9E
 N7YAG 4,141 85 41 S ABD
 N7DB 3,120 74 39 S ABCD
 K7HSJ 3,040 64 38 S ABCDE

WD4ECK (+WB6FFC,WA7FAB,WB7AWL)
12,104 120 89 L ABD

Utah

WA7UQV 7,440 116 60 S ABCE
WB7QBC 3,237 83 39 S AB
NJ7A 2,291 63 29 S ABDE
NZ7T 330 30 11 S B
N7SHA 100 17 5 BD
N7MLD 96 16 6 S AB

Western Washington

WN7A 32,805 305 81 S ABCDE
KE7SW 16,080 198 60 S ABCDE
N7MWW 8,977 147 47 S ABCDE
W7FI 8,160 136 60 S AB
N7RZA 4,340 113 31 S ABDE
AA7VT 3,498 92 33 S ABD
K7ICF 2,060 84 20 S BD
KX7L 960 45 20 S ABD
W7PT7 826 50 14 S ABD
N7JZ (+W6PKW,K7s NO,CAI,KD7TS)
68,820 347 124 M ABCD9EFGHI
K7LED (+KB7N,N7MV)
11,400 135 76 L ABD
KW7R (+WD7V)
3,381 100 23 L ABDE

Wyoming

WA7KYM 28,938 235 106 S ABCD
WB8TCZ 18 6 3 S B
N7RPC 8 3 2 Q BD
KE7NS (+KE7OI)
22,785 192 105 M ABCDE

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Michigan

K8MD 45,141 263 123 S ABCD9E
KU8U 36,936 278 108 S ABD
W28T 35,636 234 118 S ABCD
K0BI 20,080 196 80 S ABDE
WB8TGY 16,614 158 71 S ABCD9EFG
WA8VPD 14,558 120 58 S ABCD9EFG
K2YA7 10,432 128 64 S BD
N8PVT 5,684 94 49 S ABD
K18J 1,955 70 23 S BD
N8WOZ 1,794 78 23 S B
NE0P8 1,344 48 28 S AB
N8OPE 260 21 10 S ABD
N8YEL 153 17 9 S A
N8FUJ 160 13 10 Q BD
WW8M (+NE8I)
117,276 446 174 M ABCD9EFG
N8PJP (+K8BFX,N8NQS)
26,077 253 89 M ABD

Ohio

*WA8WZG 241,362 631 207 S ABCD9EFG
WA8NJR 164,024 588 203 S ABCD9E
KE8FD 96,268 427 164 S ABCDE
W28D 95,090 428 185 S ABCD
K8MFO 39,324 305 113 S ABD
WA8TJL 35,844 211 116 S ABCD9E
WBAC 35,808 232 96 S BD9E
WA4GPM 26,361 226 101 S ABDE
WB8K 22,680 223 81 S ABD
K8MR 17,696 224 79 S AB
AA8BC 15,560 190 50 S B
WD8BHO 6,762 103 46 S BD
N8SSH 5,612 122 46 S AB
WB0UD 4,592 95 41 S BD
N8ET 4,025 115 35 S ABD
N8VEA 3,540 105 30 S ABD
KB8RZY 1,716 66 26 S B
KB8QBM 1,716 60 26 S ABC
WB8PHI 1,560 60 26 S B
WA8RCN 1,122 51 22 S A
N8CCO 1,032 43 24 S ABC
N8ZAT 700 27 20 S ABC
N8BC 522 29 18 S B
N8GRW 312 24 13 S B
N8ZAW 260 17 13 S ABC
N8ETK 152 19 8 S B
WB8G 90 10 9 S AB
KA8JQX/N 72 6 6 S C
KA8JQW/N 50 5 5 S C
N8GHU 18 9 2 S B
N8LGP 3,168 96 33 Q B
N8AXA 2,765 69 35 Q ABC
WBULC (+ops)
96,800 468 168 L ABCD
N8KOL (+N8s SJF,TBM,WHY)
17,168 183 74 L ABCD
WB8JAY (+KB8KP,N8s OEA,TPO)
10,962 152 58 L BD

West Virginia

N8TLZ 83,385 417 153 S ABCDE
WB8WRY 20,010 236 69 S ABD
WA3EOQ 12,331 171 59 S BC
WN3C 4,068 100 36 S BD
WA4PSJ 2,449 79 31 S A
KH2CY8 1,825 65 25 S ABCD
W3EJH8 1,584 58 24 S ABD
N8FMD (+AA8LC,KA8ZKL,KB8s CMY,KOS,KV8S,
N8s HON,KYJ,QK,QL,UBH,USU,VCF,ZQD)
449,094 1233 267 M ABCD9EFG

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Illinois

KA9JUV 21,210 182 105 S ABD
N9NLY 15,652 160 86 S ABD
WB9GKA 15,300 152 85 S ABCD
KA9CFD 8,190 106 70 S ABD
N9AQ 7,049 112 53 S ABD
K9SM 5,535 100 41 S ABCDE
N9UIZ 4,674 87 38 S BCD
N9PRP 3,744 72 52 S AB
N9SOR 3,570 69 34 S BCDE
WB9FWC 3,400 58 34 S BCD9E

W9VA 1,767 54 31 S ABC
WA9CCQ 1,628 70 22 S ABD
WD9ISG 840 42 20 S B
WB9MXX 442 26 17 S AB
N9TEG 15 5 3 S B
AA9D (+N2BJ,N8KW,X,WB8KHE,AA9L,K9s NO,
PW,N9s EXU,KC,OGU,WB9s EEA,TY)
495,768 1065 312 M ABCD9EFGHIJ
N9LAG (+N9s BJG,KJE,QKZ,WA9KNP,WB9RAS)
82,331 412 167 L ABCD
W9YH (N4OGW,N9RQW,ops)
195 15 13 L B

Indiana

N9MKC 67,488 410 148 S ABD
KB9IEC 17,112 186 82 S AB
KB9FZQ 14,175 153 81 S ABD
K9QCB 3,807 72 47 S ABCD
N4VC 2,508 57 44 S A
W9YB (KA9s CCN,CCR,KC9RG,N9RVT,ops)
2,870 68 35 L BD
N9KZJ (+N9s LRR,OB,T,W9SU)
1,450 52 25 L ABD

Wisconsin

WA9HCZ (N9CIQ,op)
8,550 125 57 S ABD
WA9LWJ 7,130 103 62 S ABE
N9LMU 3,192 66 38 S BDE
WD9IAB 2,280 58 30 S BD
AA9AO 1,275 30 25 S ABCDE
KA9YPF 527 31 17 S B
W9KHH 288 24 12 S B
W9YCV 56 8 7 S B
WW1M (+WF9X)
11,993 142 67 L ABCD
W0UC9 (+KA9FOX,KB9EQI,N0s AXL,BSH,
K0GJX,W0OHU)
212,040 658 248 M ABCD9EFG

0

Colorado

KF0QA 11,591 140 67 S ABCD9E
N0IVN 11,529 153 61 S ABD
N0YGM 6,344 83 52 S ABDE
WA0JYJ 4,500 90 50 S A
N0VSB 1,160 58 20 S B
WB0HZL 945 35 27 S AB
KD0SU 522 29 18 S AB
KD0DW (+W2CRS,W0OAL)
153,363 516 201 M ABCD9EFGI
W0KEA (W1XE,N0s BRIDVL,QCC)
46,580 305 137 L ABCD
N0HAX (+KF0KR)
9,591 110 69 L ABCD
W0IA (KA0DXM,KR0U,N0FZB,W0JF,
WA0NHN,ops)
2,325 74 25 L ABDE

Iowa

N0LNO 13,770 162 85 S A
K0DAS 13,578 140 73 S BCD
W0YPT 5,265 67 45 S BCDE
WB0CQO 3,465 72 45 S ABD
N0LJO 3,196 68 47 S A
N0NGZ 2,706 61 41 S ABD
K0JQA 1,885 65 29 S B
WR0G (+NC0P,W00GVY)
121,905 468 215 L ABCD
KD0PY (+N9TEL)
26,300 227 100 L ABD
KA0OWT (+N0JAS)
952 34 28 L AB

Kansas

N0LL 114,330 418 222 S ABCDE
W0EKZ 19,208 152 98 S ABCDE
N0IGZ 7,656 116 66 S AB
W0RT 7,704 71 24 S B
N0SMA 1,352 52 26 S AB
N0YYO 1,113 53 21 S B
W0YC 1,000 42 20 S BD
N0BY (+N0SGL,WA0TKJ,WB0DRL)
135,660 497 228 L ABDE

Minnesota

WA8BWE 83,376 375 144 S ABCD9EFG
WA0NTT 62,980 321 134 S ABCDEF
KB0IKP 30,591 213 103 S ABDE
K0FQA 19,327 166 77 S ABDEF
WB0MLL 16,448 203 64 S ABD
W0AUS 10,615 128 55 S ABCDEFI
WA2HFJW 7,182 110 54 S ABD
WB0LIC 2,244 82 22 S ABDE
KA0EWO 1,920 81 20 S BD
N0AKC 1,144 44 26 S AB
W0PHD 817 30 19 S BDE
KF0GX 756 45 12 S BD
N0SRQ 390 30 13 S B
N0NAS 376 37 8 S BD
N0WSO 224 24 8 S BD
AA0OD 87 29 3 S B
N0MSB 125 23 5 Q BD
WB0GGM (K1LL,WA2PHW,KA0JWC,KB0ZQ,
N0N,ops) 81,770 341 170 M ABCDEFI
W0GJEC (+KA0VYB)
6,240 118 39 L ABDE
KC0P (+N0KZO)
3,420 74 38 L ABCD

Missouri

WB0CLL 36,652 235 119 S ABCDE
W0JRP 12,069 132 81 S ABCD
K0SF 10,064 136 74 S AB
N0ZKK 5,265 117 45 S B
KW0A 4,982 106 47 S A
KR0I 3,212 70 44 S ABD
N0OFX 2,240 64 35 S B
AJ0E 1,870 55 34 S AB
N0MMU 1,848 68 28 S B
N0ODZ 782 34 23 S B
N0XKS 56 8 7 S A

W8FK 315 21 15 Q A
K0TLM (+WA0WPJ)
22,176 168 112 L ABCDE

North Dakota

N70V 6,327 78 57 S ABCD9EFG
WB0OAJ 3,239 79 41 S A

Nebraska

W0BJ 7,564 110 62 S ABDE
KA0JGH 7,242 102 71 S A
AA0DW 1,776 71 25 S B
N0SFC 836 44 19 S AB
WD0BGM (+N0YNP)
7,035 95 67 L ABD
AE0G (+N0UJU)
3,080 70 44 L AB

South Dakota

WB0HHM 3,772 63 46 S ABCD
NN9K0 3,139 73 43 Q A
WD0T (+N0NPO,W0RTD)
667 29 23 L A

VE

Maritime-Newfoundland

VE9AA 2,706 66 41 S AB
VE1KG 336 24 14 S B
VE1AKT 266 19 14 S B

Quebec

VE2XX 5,236 86 44 S ABCD9E
VE2LC 403 22 13 S ABCD
VE2NNX 51 17 3 S B
N1EKV/VE2 (+KB1VC)
1,792 54 28 L ABCD

Ontario

VE3RM 18,404 176 86 S ABCD
VE3WCB 7,889 110 49 S ABDEF
VE3DSS 6,588 92 54 S ABCDE
VE3BFM 5,934 89 46 S ABCD9EFG
VE3JRS 4,048 71 44 S ABCD
VE3LL 3,555 79 45 S AB
VE3SXE 3,080 74 35 S ABD
K04OE/VE3 1,500 56 25 S BD
VE3VHB 990 45 22 S B
VE3SST 252 14 14 S ABCD
VE3BHW 105 15 7 S B
VE3ONT (VE3s KDH,RKK,PF,D,MJK,VA3ST,ops)
185,028 748 204 L ABCD
VE3TMG (+VE3s GBA,STZ,VDF,KB0HSR,WB8HUA)
27,700 259 75 L ABD
VE3SAU (VE3s FHU,IGM,OJN,ZYZ,ops)
10,168 133 62 L ABCD

Manitoba

VE42K 832 44 16 S ABD
VE4KQ 396 24 14 S AB
VE4KGB 147 21 7 S B
VE4CSN 52 13 4 S B

Alberta

VE6JW (VE6s BMR,BMX,SV,TNY,K2JFV,ops)
17,537 222 71 L ABDF

British Columbia

VE7XF 15,975 171 75 S ABDE
VE7CYT 2,604 84 31 S A
VE7XO 520 25 20 S ABD
VE7KPB 312 17 13 S BCD
VE7GNR 35 7 5 S AB
VE7NUT (VE7s BEE,DKE,EHQ,HPR,KAP,
KMD,MJT,RJ,ops)
14,940 164 83 L ABD
VE7FEI (+VE7SKA)
6,500 116 50 L ABD

Marine Mobile

N8VOG 322 22 14 S BD

DX

Bahamas

C6AFP (N4JQQ,op)
4,708 107 44 S A

Cuba

CO0EGZ 5,040 105 48 S A
CO0FRC (CO2s JA,KG,KK,PL,K7JA,KX0O,ops)
34,112 306 104 M ABCDE
CO0BGG (CM2s RH,WZ,CO2PX,CM3CD,CO3s
JA,VR,ops) 13,651 178 73 L ABCD

Anguilla

VP2ECW (N6CW,op)
49 7 7 S A

Mexico

XE2NH6ZF 2,522 97 26 S AB
XE1GRR 1,904 56 34 S A
XE2WDX (XE2s MWQ,XBR,XTL,N5YWH,ops)
429 33 13 L B

Rovers

Atlantic

N03F 77,812 334 196 R 14 ABD
N1NOE 9,890 140 46 R 6 BCDE
AA2IZ (+KB2MJO)
6,560 108 41 R 4 BCD
NJ2L 6,380 71 55 R 5 ABCD9E
N2UIO 3,968 100 37 R 2 BD
N2TWI 3,239 44 41 R 8 ABCD9EFG
N2PEB 3,160 44 40 R 8 ABCD9EFG
K3IVO (WA3TID,W03R,ops)
2,640 66 30 R 3 ABCDE
AB2J 144 12 3 R 2 FI
N2YGB 100 20 5 R 5 B

Central

KE9QT 106,330 307 245 R 8 ABCD9
K9JK (+N9MWB)
76,544 241 208 R 10 ABCD9E
WB9SNR 16,013 79 67 R 7 BCDEFHGI
KF9FF (+KA9JYI)
1,050 21 21 R 3 ABCD9EHI

Dakota

*N0HJZ 192,250 463 250 R 10 ABCDEFI
WA2VOI 40,890 186 145 R 8 ABCDE
KA0RYT 39,125 227 125 R 3 ABCD
KA0RYT (+N0VWG)
39,125 227 125 R 3 ABCD
N0SUO 3,744 86 36 R 4 ABD
N0WCB (+K00LN)
1,020 60 17 R 4 B
WV0H 704 32 22 R 2 A

Great Lakes

AC4HG (+AC4HH)
56,066 271 166 R 4 ABD9E

Hudson

*K2NAV (+N2WSW)
52,647 215 109 R 6 ABCD9EFGHI
N2WSW 25,350 107 78 R 6 B9EFGHIJ
N2QJY (+N2QIP)
8,800 61 50 R 5 BCD9EFGHIJ
N2JMCU (+N2XXZ)
2,464 42 22 R 4 ABCD9EFGI
KB2QDA 1,148 63 14 R 4 BD

Midwest

N0PAL (+N5NIQ)
8,060 87 65 R 8 BD
AB4CR 5,916 70 58 R 4 ABCD9E
WY0C 1,378 38 26 R 4 BCD

New England

N1ISB (+N2RKC)
22,470 217 70 R 4 ABCD9EIJ
N1NCI (+WA1LNP)
4,094 178 23 R 3 B
N1QDQ (+N1QVE)
3,016 102 29 R 6 BD
K1LPS 527 31 17 R 2 AB
N1BWT 192 8 6 R 2 HI

Northwestern

N0XX (+AA7NH)
45,705 244 165 R 2 ABCDE
K7CW 12,328 126 67 R 8 BCDE
W6HCC 1,152 18 16 R 2 FHI

Pacific

N0GX 19,530 177 93 R 6 ABD
K8AAW 11,070 135 82 R 8 B
N8IFE 10,230 119 62 R 7 ABCDE
KA6PUD (+K0DCTZ)
8,880 105 60 R 6 ABD

Roanoke

WR3Z (+ND3A)
58,801 315 127 R 13 BCD
KC4WIC (+KA4VHR)
41,601 216 147 R 8 ABCD
KD6PUD (KD6CTZ)
8,880 105 60 R 7 ABD
KD4OWS (+K04QU)
3,870 86 45 R 4 AB
KD4WYS 1,682 45 29 R 3 BD
N2US 1,243 113 11 R 5 B

Rocky Mountain

*N0LRJ (+N0UVA)
145,140 375 295 R 11 ABCDE
N0GII (+WA1JHK)
44,696 204 151 R 9 ABCD9E
KB0CY (+WA6TTY)
20,172 246 82 R 3 ABCD
W0ETT 1,326 39 34 R 4 AB

Southeastern

*KB4PBM 3,680 73 40 R 4 BD
K2OY (+KD4IDR)
3,190 105 29 R 4 BD

Southwestern

*K6WLC (+K06WZR)
206,052 473 308 R 10 ABCDE
N7TTO (+K0DEFQ)
135,065 424 227 R 7 ABCDE
K6LMN 40,810 289 106 R 3 ABCDEP
KD6YOB 14,508 153 78 R 10 BC
WA6RAY (+N6CIZ)
5,035 74 53 R 8 ABCDE
W6HCC 1,152 18 16 R 2 FHI
KD6QBT 208 23 8 R 7 BD

West Gulf

*N5RZ (+K5MR)
152,492 461 268 R 10 ABDE
WB2SX 6,394 139 46 R 4 ABDF

Canada

VE3NPB (+VE3OIL)
2,701 48 37 R 6 ABCDE
VE3HVZ 1,209 39 31 R 4 B
VE6DLS 1,080 40 27 R 6 AB

DX

*CO2OJ (+N6CL)
14,475 193 75 R 3 AB

Maritime Mobile

KE4BXT 80 20 4 R 2 B

Checklogs

KA2EXB, KA0EWO, N2QFH, WA3CSP, VE3DJ.