

# Results, 1995 ARRL June VHF QSO Party

"It seemed there was an ion curtain at the Mississippi River."—KFØM

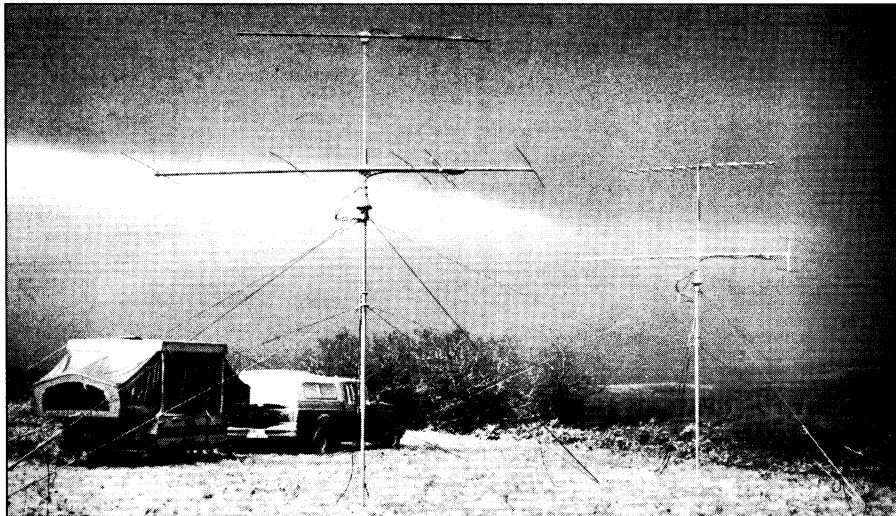
By Billy Lunt, KR1R and Warren C. Stankiewicz, NF1J  
Contest Manager Assistant Contest Manager

**I**t certainly was a tale of two contests this year! While West Coast and Texas operators had the time of their lives working people from all over, the East Coast folks had a dickens of a time working anyone at all! Who says propagation has to be fair? It certainly wasn't this year.

"What are we talking about?" you ask. Well, depending on where in the country you were, these were either some of the best conditions you've ever seen, or some of the worst. If you were somewhere east of the Mississippi, you likely found sporadic-E openings to be few and far between. What openings you did find were pretty short, and didn't extend very far. In fact, we didn't get any reports of double-hop skip at all.

On the other hand, folks from California to British Columbia to Texas had the time of their lives. The bands were open north-south and east-west, and operators were able to pile up QSOs as fast as they could work them. It was possibly one of the best sporadic-E openings they've had during the June contest—6 meters was nearly always open to somewhere at any given time, and 2 meters had some great moments, too.

Just contrast the comments of these folks: Veteran VHFer Gene, W3ZZ, complained, "I thought last June's conditions



Let it snow! John, K7VNU, operated from DM58 in western Colorado.

were as bad as it got, but I was wrong. These were the worst conditions since I started in 1958. We deserve better than this." Alan, KB2AYU, sighed, "Conditions were as bad as, if not worse, than last year. I completed most of my contacts by brute force." Out in California, Steve, WA8LLY, exclaimed, "Six meters was hot; I worked a lot of new grids. It was great to have activity from Mexico." Leonard, WA6KLK, and his crew reports, "There was so much activity, we had to shut down the FM station most of the time. If we only had more operators, we could have made another 200 or more QSOs! Six meters was open most of the time."

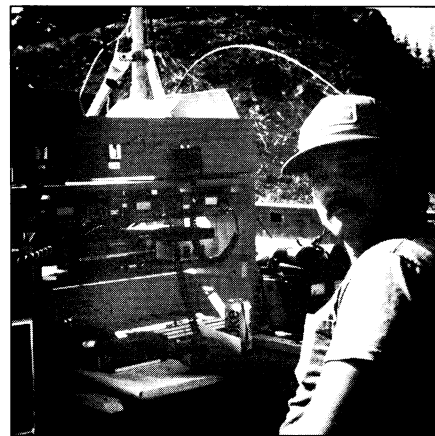
So with both coasts working under different situations, the strategies used by each group were different. The West Coast mountaintoppers used the tried-and-true "work 'em early, work 'em often" approach. Mark, KN5S, had a ball in New Mexico—he worked 208 grids on 6 meters, from CM96 to EL99 to FM25. Out East, it was another of those "work one station at a time, and hope that the band will open somewhere before the end of the contest" weekends. Both were successful; everybody had a lot of fun. It sure would have been nice to have great propagation all over the country, though, wouldn't it?

Maybe it didn't make a difference. We had some great scores, and we had some

tremendous scores. Break out the champagne! The N2WK crew has done what few would suspect would be even possible—they beat W2SZ in the Multioperator Unlimited category. It was a close, tough fight. We bet that if you ask anyone involved, though, they'd tell you, in an instant, that it was worth it. It sure wasn't easy! Wayne's N2WK group mounted a terrific effort, and the difference was made on the higher bands. The Rochester VHF Group has been working for several years to help many of



Mike, WA9TKK, operated from this beautiful location, at a US Forest Service helipad near Flagstaff, Arizona.



Bill, N7TCD, operated from a 3000-foot mountain 50 miles west of Seattle in CN87.

## QSO Leaders By Band

### Single Operator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
KN5S 558	WA2TEO 398	WA2TEO 86	K1FO 224	WA2TEO 29	WA4VHF 63
W5KFT 422	W9OEH 327	K1RZ 66	NC1I 215	N1DPM 29	N1DPM 42
(WB5VZL,op)	K3EW 322	WD8ISK 63	WA2TEO 122	WA1MBA 28	WA1MBA 39
W5UWB 383	WB2QOQ 322	KE8FD 61	K1RZ 116	K1RZ 21	AA2UK 39
N5HHS 367	N9MKC 306	N1DPM 58	WB2DNE 108	WB5IGF 21	WA2TEO 39
N7ML 337	K1RZ 289	A2UK 57	KB2AYU 103	K2UOP/8 20	KB2AYU 38
NK5F 335	K3ZO 256	K3GNC 51	AA2UK 100	AA2UK 19	K1RZ 38
K7CA 308	AA2UK 253	NW3C 50	KE8FD 98	WD8ISK 18	WA2LTM 36
WA6TMJ 302	WA1MBA 252	K1FO 50	WD8ISK 97	KE8FD 18	WB2DNE 32
KE7GH 297	KB2AYU 248	WB2DNE 48	N9MKC 96	WB2VVV 15	K2UOP/8 32
KC4UCE 292					

### Multipoperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
W2SZ/1 548	K3MQH -L 833	N2WK 193	W2SZ/1 290	N2WK 102	N2WK 123
N2WK 455	W2SZ/1 755	W2SZ/1 172	K3MQH -L 276	W2SZ/1 69	W2SZ/1 99
WA7JTM -L 422	K3YTL 639	K3MQH -L 139	N2WK 258	W3CCX 35	W3CCX 53
KB5IUA -L 402	N8FMD 562	W3CCX 114	N8FMD 228	K3YTL 27	W3IP 45
K3MQH -L 395	N2DSY -L 534	N8FMD 103	W3CCX 179	AA9D 22	N8FMD 43
WD3R/2 387	W3CCX 502	AA9D 95	AA9D 174	N8FMD 19	W4IY 39
W4IY 370	WD3R/2 497	K3YTL 92	WB2IEY 169	WW8M 18	AA9D 35
K3YTL 368	N2WK 496	KB2DMK -L 88	K3YTL 167	WD3R/2 14	K3YTL 34
WA6TBO -L 348	W4IY 465	W4IY 83	N2DSY -L 153	K3LNZ/8 13	WB2IEY 34
N8FMD 345	AB2I 433	WB2IEY 77	W4IY 150	W4IY 12	WW8M 32

L denotes Limited Multipoperator

## Multipier Leaders By Band

### Single Operator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
KN5S 208	W9OEH 68	WD8ISK 37	WD8ISK 45	WA2TEO 17	WA4VHF 20
W5KFT 168	KE8FD 63	KE8FD 36	W8ULC 40	K1RZ 16	WD8ISK 18
(WB5VZL,op)	N9MKC 59	W8ULC 32	K1FO 40	N1DPM 14	KB2AYU 17
W5UWB 148	NW3C 59	K1RZ 32	KE8FD 38	KE8FD 14	K1RZ 17
K7CA 146	W8ULC 58	W28D 32	NW3C 36	WA1MBA 14	N1DPM 17
N5HHS 139	VE3VD 56	NW3C 30	KU8U 36	K2UOP/8 14	KE8FD 17
AA7A 137	WD8ISK 54	WA2TEO 30	WA2TEO 36	WD8ISK 13	WA1OUB 15
KC4UCE 134	K2GAL 53	W3ZZ 23	W28D 35	WB5IGF 11	WB2DNE 15
KE7GH 132	K1RZ 52	AA2UK 23	WB2DNE 34	WA2ONK 10	WA1MBA 15
NK5F 131	W28D 50	N1DPM 23	KB2AYU 34	AA2UK 10	K2UOP/8 15
N0LL 131	WA2TEO 50	K2UOP/8 23			

### Multipoperator

50 MHz	144 MHz	222 MHz	432 MHz	902 MHz	1296 MHz
WA7JTM -L 168	N8FMD 70	N2WK 45	K3MQH -L 50	N2WK 28	N2WK 28
KB5IUA -L 149	K3MQH -L 64	K3MQH -L 43	N2WK 45	W2SZ/1 23	W2SZ/1 27
W0UC 138	K3YTL 62	N8FMD 41	AA9D 45	K3YTL 17	N8FMD 21
NC7K 134	N2WK 61	AA9D 41	N8FMD 44	W3CCX 16	W3CCX 20
AA9D 131	W3CCX 60	W3CCX 36	K3YTL 41	AA9D 14	W3IP 19
WB7VVD 129	W4IY 60	KB2DMK -L 35	W3CCX 40	N8FMD 14	W4IY 16
W7GZ 128	AA9D 58	W4IY 33	W2SZ/1 37	WW8M 11	K3YTL 16
WB7TDI -L 127	WB0GGM 56	W2SZ/1 31	KB2DMK -L 37	K3LNZ/8 11	WW8M 16
N2WK 126	W0UC 56	K3YTL 30	K3LNZ/8 37	W4IY 9	AA9D 14
WB0GGM 119	WD3R/2 54	WW8M 26	W4IY 36	WD3R/2 9	WA6KLK -L 13

-L denotes Limited Multipoperator

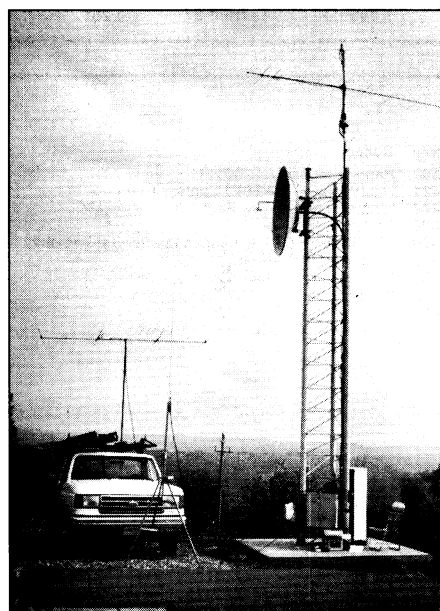
their members upgrade their stations with gear for the various microwave bands, as well as coming up with some laser rigs. Wayne relates, "We came really close to them last year, and didn't know if we were just lucky or what. So this year we pulled out all the stops. What made the difference? Well, we had a lot more transverters working this year, and had made a big effort to put together stations for 10 GHz and laser. I also can't thank the Brockport ARK enough. A lot of their members were active this year, and their close proximity to my location gave me a lot more QSOs than in previous years." Their win is still more impressive when you consider they operated from a home station, instead of a mountaintop, à la W2SZ.

Speaking of tremendous efforts, how about the K3MQH crew? As one dynasty may be ending, another one may be beginning! Their 510k point score not only blew away everyone else in the Limited Multipoperator class, but 7 out of the top 10 full Multipoperator efforts. Wow! They've certainly taken their operation a quantum leap ahead of the rest of the field, and we congratulate them for making all that hard work and effort pay off so handsomely.

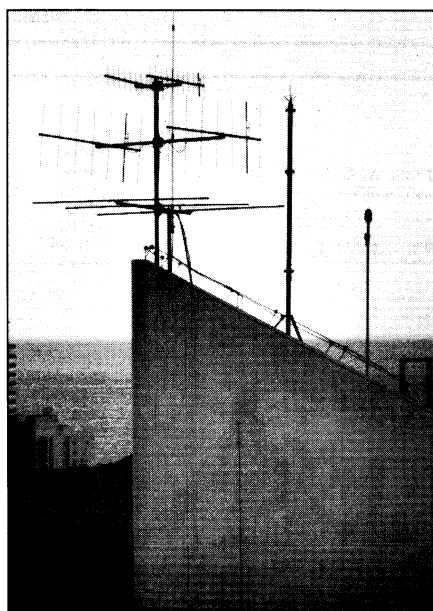
Normally, June means springtime weather. Unless you were in Colorado, where Saturday brought a couple of inches of snow. A front moved through the Midwest that brought a lot of rain, but no tropo with it. For most of us, though, it was the perfect excuse to get out of doors and either go mountaintopping or roving across the countryside. Scott, AA6U, and Jeff, KD6DHB, had an excellent weekend adventure—check out their story, "Roving Contest Adventure: 16 Grid Squares in 30 Hours," in this issue. Of course, the endless discussion with rovers is strategy—do you mount big operations from a couple of spots, or do you try to activate as many grids as you can? John, K9JK, and Chad, WE9V, had the best of both worlds! They tell us, "We were lucky enough to have 6-meter 'openings' coincide with a few of the less 'urban' grids where we stopped. This was a big help in getting good multiplier counts." Their score was only slightly smaller than the one posted by Brian, ND3F, who found out first hand what it's like to activate 12 grids single-handedly. He relates, "The 1296 pileups still make me smile, and there were several of them. I sure needed a partner! It's very difficult to drive, log, tune/operate the radios, and turn the antennas, all at the same time. It gets hard to log in the dark, too!"

Whereas the advantage in propagation helped the West Coast scores, it wasn't enough to take the top spot. Jeff, WA2TEO, added to his collection of first-place plaques again this year, topping Joel, WB5IGF, who turned in a superlative effort from Arkansas. All the single operator races were close ones this year.

Of course, it really doesn't matter where you finish in the contest. What really mat-



Greg, KJ6KO, seems to have found a great site to win this contest from Sacramento Valley.



VHF Contesting is alive and well in Brazil! Here's Gio, PY2CDS's, antenna farm in São Paulo.

ters is whether or not you had a good time. Were you on? Who did you work? Are you ready for the next one? The January VHF Sweepstakes will be here before you know it—make sure you have the dates (January 20-22) circled on your calendar!

## SOAPBOX

We enjoyed working AD4DG in FM16 off the back of the antenna on 432 (W1QK). I had only one Es QSO, with WB5IGF (N7EIJ). Tropo propagation was good this year. I worked out to FN02 and FN03 on 144 and finished with 25 grids. The 6-meter Es was missing, but there were some meteor QSOs (W1EJ). This was my first VHF contest since 1979. To me, the activity and results were massive (KA1FJ). Conditions were quite flat for June, but the rovers made up for it by putting extra grids on



Tom, KF0KR, tunes the bands from DM77 for John, N0HAX.

(WA1MBA). There was essentially no Es as far as I could tell (K1FWF). We're especially proud of our score on 1296 (WB2IEY). The bands had to be in good shape for me to work 19 grids on 144, and 4 on 222 (NB2T). 6 meters was very disappointing this time, with poor propagation and little activity (N2QHS). I really appreciated the efforts of the rovers, as well as the ops in unpopulated grids (WB2VVV). A lot of hikers on the Appalachian and Blue Trails saw us lugging the gear and asked a lot of questions. At one point we tired of this, and told some of them that we were tracking bears! (NG2R). This was my first contest. It was a lot of fun and a good way to work new grid squares. I turned 8 years old two days after the contest! (KB2TNY). Conditions were not too good, except for some 6-meter Es on Saturday (WA2BPE). I worked 14 grids with 10 W, yet couldn't work anyone in my own grid! (W2WGL). The weather was bad, the conditions were bad, but it's still a

## Region Leaders

### Northeast Region

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

WA2TEO	304,848	S
K1RZ	231,264	S
NW3C	138,128	S
AA2UK	134,549	S
N1DPM	122,612	S

KH6CP/1	72,565	Q
NM1K	65,504	Q
AF1T	13,000	Q
NB2T	3,680	Q
WA2ZNC	1,830	Q

N2WK	1,258,560	M
W2SZ/1	1,122,421	M
W3CCX	482,589	M
K3YTL	404,352	M
WD3R/2	296,132	M

K3MQH	510,384	L
KB2DMK	157,065	L
N2DSY	134,583	L
W1QK	85,212	L
N2LXD	67,257	L

KB3PW	5,460	R
AA7QZ/2	4,072	R
N2UIO	2,486	R
AA2IZ	1,934	R
N2KJM	1,881	R

### Southeast Region

(Delta, Roanoke and Southeastern Divisions)

WB5IGF	240,835	S
WD8ISK	206,780	S
K2UOP/8	116,256	S
AA4ZZ	99,651	S
KC4UCE	62,328	S

N8TLZ/4	43,400	Q
WA4IOB	10,458	Q
KS4RX	7,830	Q
KE4BM	2,376	Q
KE4OAD	913	Q

N8FMD	489,328	M
W4IY	360,126	M
K3LNZ/8	143,704	M
WA4VCC	61,204	M
W4HAW	3,648	M

W4AQL	136,400	L
WA4CQG	52,288	L
W4CMA	30,048	L
WT4C	29,298	L
W5GAD	25,016	L

ND3F	21,122	R
AD4DY	4,601	R
KC4ZRH	3,145	R
WA4UCI	3,089	R
N3TUM	2,040	R

### Central Region

(Central and Great Lakes Divisions; Ontario Section)

KE8FD	165,393	S
W8ULC	118,534	S
WZ8D	92,225	S
N9MKC	83,700	S
WA4GPM	73,386	S

N9CIQ	13,870	Q
KB8QBM	8,281	Q
N8AXA	7,242	Q
W9SZ	1,856	Q
W9UD	817	Q

AA9D	538,772	M
WW8M	204,414	M
W0UC	190,931	M
N8KOL	34,960	M

N9LAG	67,536	L
N9KZJ	10,143	L
N8HNS	8,635	L
KA8HHU	5,670	L
W9YB	4,320	L

K9JK	20,557	R
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### Midwest Region

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

KN5S	126,940	S
N0LL	110,986	S
W5KFT	91,675	S
(WB5VZL,op)		
N5HHS	78,604	S
W5UWB	66,906	S

NN9K/0	40,228	Q
KB5ZFO	10,730	Q
WA2VOI	10,098	Q
N7SFT	1,560	Q
W8CM	1,170	Q

WB0GGM	171,363	M
KD0DW	110,840	M
K0VM	46,292	M
WB7VLJ	29,440	M
WB9CEP	27,720	M

KB5IUA	134,375	L
K1LL/0	43,848	L
W1XE	43,173	L
KC7LHJ	12,986	L
N8RQR	11,400	L

VE4ZK	9,568	R
K0DAS	7,714	R
N7MLD	5,474	R
K0TLM	5,302	R
N5NIQ	3,980	R

### West Coast Region

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

NU6S	66,810	S
K6KLY	63,360	S
AA7A	60,788	S
WB6AAG	56,595	S
KF6CU	50,165	S

N3EG	18,172	Q
KD6RMS	5,880	Q
AB6QW	1,978	Q
AC6CM	1,032	Q
N7WNC	480	Q

KE6TCY	100,368	M
WB7VVD	89,820	M
AF6O	84,943	M
W6TRW	70,286	M
NC7K	69,420	M

WA6TBO	123,816	L
WA7JTM	103,222	L
WB7TDI	89,775	L
WA6KLK	60,580	L
WN6W	56,980	L

K6LMN	19,737	R
NG0X	13,453	R
AA6U	12,493	R
W7HAH	7,366	R
N6IPE	4,251	R

## Plaque Winners

### Single Operator

Position	Winner	Score	Donor
1st	WA2TEO	304,848	Mt Greylock Expeditionary Force, W2SZ/1
2nd	WB5IGF	240,835	Bald Knob VHF Contest Group, AA9D
3rd	K1RZ	231,264	Kenwood USA Corporation
4th	WD8ISK	206,780	Midwest VHF/UHF Society
5th	KE8FD	165,393	Delaware Valley VHF Society
6th	NW3C	138,128	Ed Parsons, K1TR
7th	AA2UK	134,549	Eastern VHF/UHF Society
8th	KN5S	126,940	Wellesley ARS, Mt Equinox Contest Crew
9th	N1DPM	122,612	KS VHF/UHF OPs Annual on the Hill Get Together
10th	W8ULC	118,534	South Mountain Contest Team, K3MQH

### QRP Portable

Position	Winner	Score	Donor
1st	KH6CP/1	72,565	K2RIW, Dick & K2OVS, Jay
2nd	NM1K	65,504	Peter Putman, KT2B
3rd	N8TLZ/4	43,400	Long Island Mobile ARC
4th	NN9K/0	40,228	West Coast VHFer
5th	N3EG	18,172	KS VHF/UHF OPs Annual on the Hill Get Together

### Rover

Position	Winner	Score	Donor
1st	ND3F	21,122	W2SZ/1, In Memory of Dick Goodman, WB1HIH
2nd	K9JK	20,557	Wayne King, N2WK
3rd	K6LMN	19,737	Western States Weak Signal Society
4th	NG0X	13,453	
5th	AA6U	12,493	

### Multioperator

Position	Winner	Score	Donor
1st	N2WK	1,258,560	Randy Stegemeyer, W7HR
2nd	W2SZ/1	1,122,421	N2LIV, N2GHR, N2BFJ Contest Team
3rd	AA9D	538,772	Kenwood Employees Radio Club, WD6DJY
4th	N8FMD	489,328	Mt Airy VHF Club
5th	W3CCX	482,589	KS VHF/UHF OPs Annual on the Hill Get Together
6th	K3YTL	404,352	Rochester VHF Group
7th	W4IY	360,126	Northern Lights Radio Society & W0UC
8th	WD3R/2	296,132	Flagpole Knob Contest Group, W4IY
9th	WW8M	204,414	Schenectady ARA, K2AE
10th	WB2IEY	198,555	In Memory of Sid Krauss, WA2VKN

### Limited Multioperator

Position	Winner	Score	Donor
1st	K3MQH	510,384	W3EP/K9AKS/W9IP
2nd	KB2DMK	157,065	Kenwood USA Corporation
3rd	W4AQL	136,400	Kenwood USA Corporation
4th	N2DSY	134,583	WA2TEO, W2GKR, W2GKO, KA1FVG
5th	KB5IUA	134,375	Big Mountain ARC

### Marine Mobile

Position	Winner	Score	Donor
1st	KS4KP	120	Wayne T. Yoshida, KH6WZ

### DX Single Operator

Position	Winner	Score	Donor
1st	XE2/NH6ZF	4,488	Bill Tynan, W3XO

### DX Multioperator

Position	Winner	Score	Donor
1st	CO0VHF	2,210	Robert J. Carpenter, W3OTC

great contest (KB2DMK). I wish I'd spent more time operating Saturday night, which is probably when all the good propagation occurred (NK8Q). We had forgotten how miserable it is to tear down everything in a driving rainstorm! (K3YTL). There wasn't much Es on 6, but the humid weather kept line noise low so I could hear all the scatter for a change (K3ZO). Conditions were good on 144/220/432, but it was a bummer on 6 meters again! (NW3C). The highlight was being called by W8VT/m running CW generated by his PTT button from southern Georgia. It's folks like him who make the contest enjoyable (KB4FAI). No tropo, not much Es, but it was still a lot of fun! (WA4CQG). A slow-moving cold front that stalled over Kentucky left the bands almost dead Sunday (AD4ZW). Other than the searing heat, the torrential downpours, the high winds, the pea-sized hail and the thunderstorms, it was a perfect weekend for contesting on the mountain (W4IY). I've seen conditions that were a lot better (KB5VRO). This was my personal best, and I made it from home, too! (N6PYI). This was my first experience operating on 6 meters. What an exciting band, especially during a contest! (K5RHR). I worked a lot of rare grids in northern Nevada (WA5IYX). The band openings seemed to start toward the south, and then rotate counter-clockwise to W6 (WA5QCP). This was our first VHF contest since adding 6 meters, and we weren't disappointed, despite a modest antenna. Best of all was the friendliness, courtesy, and enthusiasm of the participants—a fine introduction to contesting for my nine-year-old son (AC6EN). Excellent 6-meter conditions easily allowed me to eclipse all my previous efforts (WB6AAG). 6-meters was open for most of the contest (WA6VQZ). The last hour of the contest was fantastic! I'm glad I didn't pack up early and

go home (NU6S). This was the first contest I ever participated in. It was great working some different grid squares (KE6EFD). I heard some weak stations from northern California on 10 GHz, but wasn't able to make a 2-way contact (W6OYJ). Several 6-meter openings made it the best contest in years! (W6PFF). Mountaintop contesting with a cold is hell! (N7STU). Six meters was open to somewhere all day Sunday—even with limited operating time, I still managed to snag over 90 grids (WA6MGZ). The band was open all weekend with some good DX contacts. We had an Es opening on 2 meters to Texas that netted me some new grid squares (WB7OHF). This was one of the best 6-meter openings in years! (WA6IJZ). We couldn't have planned it any better—a great Es opening right in the middle of the contest! (N7GJD). In the 2-meter opening to Texas Sunday morning, I worked 20 stations in three grids (WA7JTM). Our effort this year was hampered by winds gusting to 70 or 80 mph with lightning bolts as big as houses (NU7Z). I thought I'd just give out a few points, so I started logging on paper, then it got so furious I had to fire up the computer (N7ML). Until the opening Sunday afternoon, it was ugly, hard work (WA7PDC). I ended up stomping my call sign into a snowdrift Saturday for the want of something to do (N7WVZ). A real surprise was hearing W2SZ coming through from the northeast (K7ICW). I operated less than six hours, but got the best of the 6-meter opening! (WA7PIB). I was so busy working the southern California stations, I almost didn't work any locals! (KX7L). We had some fair enhancement on 2 meters to the east Sunday evening (KU8U). Nearly everything I heard was within 300 miles (W1FEZ). The weather was uncooperative, as a front passed through, bringing rain but no spectacular band openings. Then after the front went through, the temperature and the band conditions both went

down (W9SZ). Band conditions were terrible, and it rained the entire contest (WB9GKA). This was my second contest, and I suggest that all hams try it (N9RZY). I was having so much fun, I wished the contest would last another day (N9CIQ). Don't ever start antenna work just prior to a contest (WA9LZM). Having 6 meters open throughout most of the contest always makes for a nice touch (KD0HE). The bands weren't great, but the weather was! (N0NGZ). I had a nice opening here in Kansas (N0FFO). I enjoyed the opening to the west on 6 meters Sunday evening (AJ0K). We worked many new grids in XE, and topped it off with W6JKV/HR6 for a new country (W1XE). I didn't work a single W4 on 6 meters! (K1LL). I never knew there were so many mountainous state parks! It was cool being a rover, even with only FM (N2KJM). We had a brief opening to W4 and W5 that lasted about 40 minutes (VE3TMG). Conditions were very poor, but I still got two new grids out of it (VE3VHB). The two Es openings on Saturday and Sunday were fantastic—the W6s were 40 dB over S9 for long periods. I thought I was rare DX, as there seemed to be two or three guys calling me after each QSO (VE7CA). I worked a lot of new calls on FM simplex. This is good for those folks who can't afford weak-signal gear (N3KTU). If 6 meters had not been active, I would have fallen asleep, driving from grid to grid (WR0I).

## Feedback, 1994 ARRL June VHF QSO Party

In Western Massachusetts, K1FWF was the 50 MHz winner, and WA1MBA was the 3.4 GHz winner.

The operators of W1NY were W1KK, N1s KBY, RIL, and NC1I.

## 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, R= 902 MHz, E= 1296 MHz, F= 2304 MHz, I= 10 GHz). Call signs of division leaders and band indicators are listed in **boldface** type. New divisional records are indicated with an \*.

1										Rhode Island										K3EW										10,626										322										33										S										B										N2QXF										2,028										78										26										S										AB																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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K5MA	290	58	5	S	B
N2DEM	247	18	13	S	BC
AF2K	215	41	5	S	BD
KA2CDJ	120	11	10	S	BC
N2TWI	91	7	7	S	ABD9E
WA2ZNC	1,830	50	30	Q	ABCD
*N2WK (+AA2SP,WV,K2s DB,OS,KA2s HSK, RDO,KB2SE,N2s VTB,WVK,WB2CJ,W2DYD, KD5RO,W9IP)					
	1,258,560	1823	380	M	ABCD9EFGHIJP
KB2DMK (+KB2s PVZ,TIQ,N2s HLT,TPR, NQ2O,NS9E)	157,065	646	185	L	ABCD
N2LXD (+AA2VJ,KB2s OAZ,MRZ,N3s LBI,RKO)	67,257	386	141	L	ABCD
KE2PM (+AA2VD,K2SPO,KB2J,KAF,ZF2N, N2s KTM,PBU,PBX,UBM)	55,308	362	132	L	ABCD
KB2JUG (K2DN,KB2s CCL,FAV,N2s MRE,MSF, NRV,ops)	592	28	16	L	BC

### 3

KB3QM	47,538	313	114	S	ABCDE
KB3PD	21,909	182	67	S	BCDE
KA3KHZ	4,234	146	29	S	B
WA3BZT	3,948	141	28	S	B
N3KSE	3,660	104	30	S	ABD

### Eastern Pennsylvania

K3GNC	47,430	345	93	S	ABCDE
KB3IB	35,991	235	93	S	ABCD9E
N3LKI	5,376	94	42	S	BD
N3JNX	4,418	82	47	S	ABD
WB3ESS	4,264	82	26	S	D
WB3LNZ	4,165	83	35	S	ABCDE
AA3JW	4,136	82	44	S	ABC
NK8QJ3	3,120	120	26	S	B
N3FJA	2,716	88	28	S	BD
N3BDA	1,600	75	20	S	ABC
N3MYM	1,180	59	20	S	A
KA3B	896	56	16	S	B
N3UDU	299	19	13	S	ABCD
W3UQC	189	21	9	S	B
N3IKC	96	12	8	S	B
N3SOE	30	10	3	S	B
N3TLJ	18	6	3	S	B
N3UMO	640	40	16	Q	B
W3CCX (WA1YHO,WB2YEH,K3ESJ,N3s DQZ, EVV,EXA,GSX,ITT,NGE,OZO,W3GAD, WA3s AXV,JUF,NUF,YUE, WB3s DNI,JYO,ops)	482,589	1260	261	M	ABCD9EFGHIJP
K3YTL (K2LNS,K3MKZ,KA3s EEO,QKI,ZHT, KB3OI,KE3OA,N3s DAP,KA6,MLV,PBH, W3DZH,WA3s NVS,YON,WB3s BOT, FAA,FKO,ops)	404,352	1332	234	M	ABCD9EF
W3HZU (KA3LJL,N3s DEJ,JDO,NBT,RBT, VOO,WB3CQN,WS3C,ops)	38,976	380	87	M	ABD
N3ADC (+N3RSE)	15,022	188	58	M	ABCDE K3MQH
(K3s IXD,JFL,LYW,RA,KF3P, N3s EYB,HIH,KTV,W3F3T,ops)					
	510,384	1643	248	L	ABCD
N3LJK (+K3YWY)	198	11	6	L	E

### Maryland-DC

K1RZ	231,264	756	219	S	ABCD9E
WB2DNE	109,701	497	153	S	ABCDE
W3ZZ	90,288	424	144	S	ABCD9E
K3ZO	67,467	523	129	S	AB
WA4VHF	14,388	124	44	S	DEF
KE0YGG	5,957	125	37	S	ABD
W6AXX	2,783	121	23	S	B
KA3ZLS	2,052	114	18	S	B
K3TEZ	1,190	59	20	S	B
WA3GYW	338	26	13	S	AB
W3TMZ	3	1	1	S	E
K1TMM/3	125	25	5	Q	B
W3IP (+K3YDX,KD3YU,N3s CBJ,FNE,OES, WG3E,WB6VG)	124,124	581	154	M	ABCD9EFI
NV3Z (+N3s AUQ,REQ,N3AT3)	12,880	228	46	L	BD

### Western Pennsylvania

NW3C	138,128	570	194	S	ABCD
KA3SDP	15,232	176	88	S	ABD
N03I	13,920	203	58	S	BD
AA3GM	6,264	103	54	S	ABD
KD3D	1,450	58	25	S	B
W3HDH	1,352	52	26	S	A
WA3CSP	1,056	44	24	S	A
W3KJM	594	33	18	S	A
W8J	80	10	8	S	AB
K3UA	18	6	3	S	AB
WB0WVG	9	3	3	S	AB
KB3AFT	26	13	2	Q	B

### 4

#### Alabama

KA2DRH	60,236	313	148	S	ABCDE
NA4ON	5,580	123	60	S	ABD
KB4FAI	2,772	99	28	S	B
KD4PEE	1,980	60	33	S	A
KD4ZO	1,334	49	23	S	ABD
KD4QIO	1,247	43	29	S	AB
KD4QIG	1,242	42	27	S	ABD
KD4FMN	900	41	20	S	ABD
WA4VUG	120	15	8	S	B
KE4BM	2,376	72	33	Q	AB
KS4AP	154	11	7	Q	D
WA4CQG (+KB4NCD)					
	52,288	330	152	L	ABD
WA4UHC (+N4PHF)	4,080	90	40	L	ABD

#### Georgia

KK4NO	12,831	134	91	S	ABD
WD4AFY	8,694	109	69	S	ABCD
KA2KQM	4,662	89	42	S	ABD
W4WDH	3,956	92	43	S	AB

KA4EK	3,822	91	42	S	AB
KD4YDC	168	24	6	S	BD
KD4YDA	95	18	5	S	BD
KD4YNC	36	12	3	S	B
NA4UZ	16	8	2	S	B
WB0QGH (KB4LCN,WA5PSH,ops)					
	819	29	21	M	ABCD
W4CMA (AD4QR,KC4DDH,KD4HLG,KE4QMD, KA5WZY,ops)	30,048	276	96	L	ABD
KE4ZTC (+KC4QGC)	3,132	79	36	L	ABD

### Kentucky

AD4ZW	44,157	285	123	S	ABCD
AA4FO	14,160	139	80	S	ABDE
KD4SZJ	3,520	72	40	S	ABD
WA4FVQ	1,736	54	31	S	ABD

### North Carolina

AA4ZZ	99,651	480	177	S	ABCD
KH2CY	1,846	61	26	S	BCD
N4PPH	938	67	14	S	B
KE4PNT	34	17	2	S	B
WA4IOB	10,458	132	63	Q	ABCD
WA4QL (N23I,AB4RU,KS4IS,WA4KXY,WQ4V, AE6E,N9KHC,NX3O,KBDI,ops)					
	136,400	585	200	L	ABCD
WT4C (+KA4QE,NA4ZE,NG4C)	29,298	245	114	L	ABD
KD4OWS (+KO4QU)	3,036	63	46	L	ABC

### Northern Florida

KQ4PI	15,876	160	81	S	ABCDE
N4TWX	6,608	109	56	S	ABD
AA4NA	3,159	71	27	S	BDE

### South Carolina

KP4XS	7,980	133	60	S	A
WB2WEO	361	19	19	S	AB
WA4VCC (+AA4R,K4MQG)	61,204	341	143	M	ABCD
KD4ZMR (+KD4TCA,KE4JNY)	930	60	15	L	BD

### Southern Florida

WD4MGB	14,014	173	77	S	ABD
K2RTH	9,234	136	57	S	ABCDE
WB2QLP	8,928	131	62	S	ABD
K4SC	3,876	76	51	S	AB
W4OO	880	44	20	S	A
KD4LXB	90	18	5	S	B
W4FNR	21	7	3	S	A
W4HAW (WA2STA,WB2FKR,KD4VBI,KE4IEJ, WA4HXZ,ops)					
	3,648	112	32	M	ABD
NA4EJW (+NA4EJV)	17,952	198	88	L	ABD
KE4MPV (+KB4LCR)	1,350	54	25	L	A

### Tennessee

WB4JGG	33,390	256	105	S	ABCD
KC4QWZ	24,100	178	100	S	ABCD
KE4JLE	4,700	100	47	S	AB
NA4OYS	2,523	57	29	S	ABCD9E
AD4F	147	21	7	S	BD
KD4HIK	50	8	5	S	B
KE4OAO	913	71	11	Q	BD
AB4UP (+AB4KK,WA4AUX)	9,198	115	73	L	ABD

### Virginia

KC4UCE	62,328	378	159	S	ABD
NA4HB	53,500	327	107	S	ABCD9E
N4MM	37,240	343	95	S	ABD
WB6WRY	35,433	307	93	S	ABCD
K9OYD/4	24,920	180	89	S	ABCD9E
KA4QIF	24,800	221	75	S	BDE
NA4KW	21,725	200	79	S	ABCD
AD4DG	16,046	181	71	S	ABD
KD4UPF	14,016	172	64	S	ABD
KN4SM	11,664	140	72	S	ABD
KD4EAO	10,075	121	65	S	ABDE
N4MM	9,280	106	58	S	ABCD9E
KD0XX	6,985	127	55	S	A
WD4DO	5,986	93	41	S	ABCD
KB4DFK	2,375	44	25	S	DE
K2EYV	1,272	53	24	S	B
WA4OVW	1,144	38	26	S	ABD
WB4NTV	736	28	23	S	ABD
N4YKD	720	34	18	S	ABCD
K4ME	615	41	15	S	B
KC4UAO	297	33	9	S	AB
*N8TLZ/4	43,400	248	124	Q	ABCD9E
KS4RX	7,830	132	45	Q	ABCD
W4IY (+N1TXI,W2WCH,AC4XT,K4HWG,KA4s CKI, RRU,KD4s NNI,VSX,KJ4VG,KO4FM,WB4s NFS, RMJ,WD4s AIR,KXB,KB7LA,K8EI, WA0DYJ)	360,126	1120	247	M	ABCD9E
KC4YHI (+KA3SWK,WA3ENK,AD4SY,KC4s YMB, WOC,KD4USY,KE4s NAT,VLC)	8,880	137	56	L	ABD

### 5

#### Arkansas

WB5GIF	240,835	637	245	S	ABCD9EFGH
N5HSF	3,872	88	44	S	A
KE9QT (EM35)	3,569	57	43	S	ABCD9EF
KE9QT (EM34)	2,808	46	39	S	ABCD9EF
KB5YUA	2,560	64	40	S	A
KE9QT (EM33)	2,508	48	38	S	ABCD9EF
N5TNM	1,672	44	38	S	A
KE9QT (EM44)	1,224	31	24	S	ABCD9EF
KE9QT (EM43)	1,161	31	27	S	ABCD9E
KE9QT (EM45)	903	26	21	S	ABCD9EF

KB5VRO	108	18	6	S	B
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### Louisiana

N5VVH	12,150	145	81	S	ABD
K5CZD	10,507	125	79	S	ABD
K5FIU	5,332	86	62	S	AB
W5GAD (N5UXT,WA9TMC,ops)	25,016	236	106	L	AB
N5MYH (+KB5SUI)	4,032	77	42	L	BD

### Mississippi

N5YLS	325	25	13	S	B
KB5YDM	108	12	9	S	B

### New Mexico

KN5S	126,940	577	220	S	AB
NK5F	47,464	346	136	S	ABD
K5RHR	12,936	147	77	S	ABCD
K5MAT	5,656	79	56	S	ABCD
W5IXR	5,264	87	56	S	ABCD
KB5ZSK	4,644	91	43	S	ABCD
WB9CEP (+N5JDY,WB9ERE)	27,720	248	105	M	ABCD

### North Texas

WD5K	33,517	277	121	S	A
NSUD	10,336	136	76	S	A
KB5DAI	8,128	119	64	S	ABCD
AA5C	5,104	74	58	S	ABCD
KY5N	2,451	57	43	S	AB
KF5DO	2,001	69	29	S	B
KC5EPL	637	48	13	S	BD
W8CM	1,170	39	30	Q	A

### Oklahoma

WD5AGO	8,016	100	48	S	BDE
K5SW	2,997	55	37	S	ABCD
KA5WRG	2,646	58	42	S	ABD

### South Texas

W5KFT (WB5VZL,op)					
	91,675	468	193	S	ABD
N5HSH	78,604	445	172	S	ABD
W5UWB	66,906	411	162	S	

K7NV	23,278	206	113	S	AB
NW7O	14,601	149	93	S	ABD
N7WVZ	13,860	152	90	S	ABD
KFTUV	10,725	125	75	S	ABCD
KC0W7	120	15	8	S	B
KC7DGY	48	8	6	S	AB
N7XCZ	153	17	9	Q	A
NW7O (DM26)	12	2	2	Q	E
NC7K (+NRF6)	69,420	378	178	M	ABCD E
WB7TDI (+WA6NMN,AE7I,K7FKM,N7OVD)	89,775	434	189	L	ABDE

### Oregon

KE7CX	34,980	260	110	S	ABCD9E
N7AVK	29,252	261	103	S	ABCD E
N7DB	21,483	220	93	S	ABCD
K7HSJ	7,872	105	64	S	ABCD E
W7PUA	7,375	104	59	S	ABCD E
N7YAG	7,236	124	54	S	ABD
WA7IQH	5,428	98	46	S	ABCD
N7WNC	480	39	12	Q	BD
KB7PSH	30	7	3	Q	BD
WD4ECK (+W5HYK,WB6FFC)	25,615	204	109	L	ABDE

### Utah

K7ICW	21,774	191	114	S	AB
NJ7A (DN30)	12,285	138	63	S	ABCD E
WA7HQD	10,824	132	82	S	A
WA7PIB	3,337	67	47	S	ABCD
WB7QBC	1,075	40	25	S	ABD
KB7DD	646	31	19	S	ABD
NJ7A (DM49)	230	15	10	S	BCDE
N7SPT	1,560	49	26	Q	ABCD
WB7VLY (+WA7PYD)	29,440	194	128	M	ABCD E
KC7LHJ (+KE7OI,KC7KYQ)	12,986	134	86	L	ABDE

### Western Washington

WA7UOV	40,905	375	101	S	ABCD E
KE7SW	25,536	248	84	S	ABCD E
N7WVW	17,080	203	70	S	ABDE
KA7MCX	15,096	222	68	S	AB
W7Z	14,972	184	76	S	ABCD
KD7TS	9,495	152	45	S	ABCD9E
N7YAP	7,410	109	65	S	ABD
N7RZA	5,610	132	34	S	ABDE
WSJPT/7	3,618	122	27	S	ABD
KX7L	405	27	15	S	A
N7EPD	390	22	15	S	A
WA7PKP	48	16	3	S	B
WA7SKT	24	8	3	S	B
N3EG	18,172	209	77	Q	ABCD
KC7KUH (W6MX,KB7s N,TJB,ZTV,W7s GKF, HQJ,YMF,ops)	22,222	260	82	L	ABD
N7TCD (+K7INC,N7ZMC)	12,780	199	60	L	ABD
WA7NCL (+KE7TWB)	1,980	97	20	L	ABD

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### Michigan

KU8U	57,200	371	130	S	ABD
K8MD	55,878	306	134	S	ABCD9E
K8BI	38,448	293	108	S	ABDE
WZ8T	33,522	245	111	S	ABCD
N8EDQ	20,812	200	86	S	ABDE
WD8BKM	19,600	201	70	S	BDE
K2YAZ	15,836	156	74	S	ABCD E
KU8Y	13,752	128	72	S	ABCD9E
WB8TGY	12,529	138	67	S	ABD9E
N8MKH	12,261	153	67	S	ABCD
K8BPK	9,690	171	61	S	ABD
NQ8A	3,444	56	41	S	ABCD9E
WA8LKD	3,136	98	32	S	B
WB8OGM	3,034	82	37	S	A
KT7G/8	2,106	78	27	S	AB
N8IWW	1,586	61	26	S	B
K8GW	714	34	21	S	B
N8YBY	490	35	14	S	B
KK7B	216	13	12	S	ABCD E
WB8M (+N8OGT,N8I,WB8VPD)	204,414	568	217	M	ABCD9EFGH
N8HNS (+N8HXP,WA8TON)	8,635	134	55	L	ABCD

### Ohio

KE8FD	165,393	548	207	S	ABCD9E
WB8ULC	118,534	474	194	S	ABCD E
WZ8D	92,225	415	175	S	ABCD
WA4GPM	73,386	347	151	S	ABCD E
WA8TJL	50,160	269	132	S	ABCD9E
K8MR	41,234	324	106	S	ABD
AA8Q	37,476	300	108	S	ABD
WA8QNR	22,704	230	96	S	ABCD
N8GHU	16,224	144	78	S	ABCD9E
N8SSH	7,987	163	49	S	AB
K8BRZV	6,027	147	41	S	B
N8VEA	4,572	110	36	S	ABD
W1FEZ	2,670	82	30	S	BD
NX8M	1,349	58	19	S	ABCD
WA8SVV	1,224	51	24	S	A
AA8RR	576	23	18	S	ABCD E
N8QXC	448	28	16	S	AB
N8SBA	429	33	13	S	B
N8ZAT	377	21	13	S	ABCD E
W8WG	294	21	14	S	AB
N8GHU (EM89)	21	7	3	S	AB
N8GHU (EM88)	15	5	3	S	AB
N8GHU (EM79)	15	4	3	S	ABD
KA8JOW/N	12	3	2	S	C
KA8JQX/N	12	3	2	S	C
N8GHU (EM78)	8	4	2	S	AB
KB8QBM	8,281	131	49	Q	ABCD
N8AXA	7,242	108	51	Q	ABCD E
N8KOL (N8s ICH,WHY)	34,960	231	115	M	ABCD9E
KA8HHU (+KB8s LPW,TEU,UUD,,YPU,YXC, KG8J,N8UVU)	5,670	102	54	L	ABD

### West Virginia

*WD8SK	206,780	568	245	S	ABCD9E
K2UOP/8	116,256	455	168	S	ABCD9E
N8XUR	28,483	250	91	S	ABDE
N8PEK	19,662	195	87	S	ABCD
N3IWI	2,856	68	42	S	AB
K3JT	1,595	46	29	S	AB
WA3HOK	1,586	61	26	S	BD
AL7PT	464	27	16	S	BD
N8WUV	252	21	12	S	B
K8OQL	136	12	8	S	ABE
N8FMD (+AA8LC,KB8AOS,KV8S,WJ8G,N8s HON, KTV,OJK,OKV,VCF,UBH,ZQD)	489,328	1311	272	M	ABCD9E
K3LNUZ/8 (K3DJU,N3PMP,WA3s EOQ,NZL, OWY,K4LHB,W4PSJ,ops)	143,704	566	184	M	ABCD9E

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### Illinois

KA9CFD	23,653	189	109	S	ABD
WD9EXD	18,886	223	71	S	ABCD
N9UIZ	17,181	183	69	S	ABCD
N9SOR	8,281	130	49	S	BCDE
N9TNY	5,112	124	36	S	ABD
W9JGV	4,386	129	34	S	B
N9AQ	3,600	70	45	S	ABD
WB9GKA	2,592	66	32	S	ABCDP
WD9ISG	1,694	77	22	S	B
WA8BOW	1,450	58	25	S	A
N9WRO	1,054	52	17	S	BD
WB9MXX	928	58	16	S	AB
K9SM	576	26	18	S	ABCD E
NE9P/9	40	10	4	S	A
W9SZ	1,856	48	29	Q	BD
W9UD	817	28	19	Q	BCD
AA9D (+N8KWV,WD8KHE,AA9IL,K9s PW,VV, N9s EXU,KC,OGU,WB9s EEA,TIV)	538,772	1079	338	M	ABCD9EFGHJ
N9LAG (+KF9s OK,US,N9s BJG,KJE,QKZ)	67,536	388	144	L	ABCD

### Indiana

N9MKC	83,700	518	135	S	ABCD
W9OEI	22,236	327	68	S	B
AA9LT	15,150	176	75	S	ABCD
K9DZE	7,644	128	49	S	ABD
N9QX	6,600	101	50	S	ABCD E
WB9VIO	5,535	110	45	S	ABD
K9EA	4,810	65	37	S	CD
WB9DRB	4,770	73	53	S	ABCD
N9RZY	2,190	73	30	S	B
NY9B	1,378	46	26	S	ABD
W9JVF	750	50	15	S	B
N9KJZ (+N9LRR,W9SUJ)	10,143	142	63	L	ABD
W9YB (KA9CCR,KC9RG,ops)	4,320	79	40	L	BCD

### Wisconsin

W9FX	30,702	220	102	S	ABCD E
KA9UZW	11,664	131	72	S	ABCD
WA9ACI	5,016	101	38	S	ABDE
WB9VYP	4,212	101	36	S	BD
WA1UJU/9	1,848	84	22	S	B
WA9LZM	1,430	55	26	S	ABD
WD9IAB	1,392	41	29	S	ABC
ND9Z	1,232	37	28	S	ABD
N9AKC	760	33	19	S	ABD
W9YCV	351	22	13	S	BD
N9PBA	20	5	4	S	AB
*N9CIQ	13,870	158	73	Q	ABD
W9UC (+K89EJ,K8GJX,N8s AKC,AXL,BSH)	190,931	646	247	M	ABCD9E

### 0

### Colorado

N0YGM	42,681	281	123	S	ABCD E
K7VNU/0	22,770	230	99	S	A
N0NVN	18,426	200	74	S	ABCD9E
K0GU	17,982	222	81	S	A
W0PTU	1,496	44	34	S	A
KD0DW (K2LCT,W2CRS,W0ETT,ops)	110,840	500	163	M	ABCD9EFGI
N0HAX (+K0OKR)	23,688	217	94	M	ABCD E
W1XE (+W0KEA)	43,173	332	123	L	ABCD

### Iowa

KD0HE	15,132	144	97	S	ABD
KD0PY	7,488	134	48	S	ABD
N0RLJ	2,079	63	33	S	B
N0SPF	1,764	48	36	S	ABD
W0YPT	1,680	37	28	S	BCD
KE0Y	1,652	45	28	S	BD
K0JQA	1,560	60	26	S	B
KD0BT	351	19	13	S	BD
WY0W	260	20	13	S	B
*N98K/0	40,228	282	113	Q	ABCD
K0YV (+K09KX,AA0WO,KA0IES,K0AX,N0s CIH,LNO, WB0YFL)	46,292	263	142	M	ABCD E
N8NGZ (+KA8ZOZ)	10,050	125	75	L	ABD

### Kansas

N0LL	110,986	444	211	S	ABCD E
W0OP	23,312	163	94	S	ABCD E
KB0HH	22,748	201	94	S	ABDE
W0EKZ	19,008	155	99	S	ABCD E
N0FFO	15,580	163	82	S	ABDE
N5ZVG	8,256	129	64	S	A
KF0M	7,590	125	46	S	BCD
KB0MME	5,460	91	60	S	AB
KF0RB	4,180	110	38	S	B
N0PAL	2,695	51	35	S	ABD
W0RT	2,520	70	36	S	AB
N0QXC	528	33	16	S	B
K0BJ	252	18	14	S	A
N0TOU	81	9	9	S	A
N0OY	33	11	3	Q	B

### KBOPHS (+WY0C)

2,343	55	33	L	ABCD
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### Minnesota

WA0BWE	62,880	343	120	S	ABCD9EFG
KB0IKP	32,076	243	99	S	ABCD E
KA0RYT	20,498	200	74	S	ABCD
WAZHF/0	12,544	162	64	S	ABD
W0AUS	10,208	142	58	S	ABCD E
N0SRQ	7,548	100	68	S	ABD
KG0BG	2,736	104	24	S	BCDG
N0CKK	2,380	55	34	S	ABCD
W0PHD	1,998	43	37	S	ABDE
WB0LJC	1,520	65	19	S	ABD
K0CP	1,298	49	22	S	ABCD E
N0NAS	790	59	10	S	ABD
N0OYQ	666	30	18	S	ABCD
KB0HNN	539	39	11	S	ABD
KB0BT	72	24	3	S	B
AA0SY	6	3	2	S	B
WA2VOI	10,098	120	54	Q	ABCD E
KB0P (EN34)	21	7	3	Q	B
WB0GGM (+WA2PHW,WETL,KA0JWC,KB0s CV, ZQ,N0HJZ)	171,363	544	239	M	ABCD E
AJ0K (+N0ROX)	5,360	106	40	L	ABCD

### Missouri

AB4CR	47,576	238	152	S	ABCD9EF
K0FF	32,121	200	129	S	ABCDI
WA0X	23,540	211	107	S	ABD
WA0KBZ	11,234	125	82	S	ABD
N0MMU	9,536	129	64	S	ABD
KG0TQ	5,336	116	46	S	B
N0ODZ	4,536	84	54	S	AB
KC0JA	4,263	76	49	S	ABD
KR0I	4,059	89	41	S	ABD
W0JRP	2,992	60	44	S	ABCD
K0TLM	2,574	64	39	S	ABC
N5MXU	2,346	69	34	S	AB
N0XKS	891	33	27	S	A
AJ0E	800	40	20	S	AB
N0QOJ	300	25	12	S	B
KM0L	192	24	8	S	B