

# Results, 1987 June VHF QSO Party

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**W**ow! Greatest openings ever! That sums up the whole contest weekend in just four words. With tropo, E-skip, meteor scatter, EME and possibly aurora openings, what more could you ask for? Conditions were fantastic on all bands.

Six meters was the hottest spot to be with terrific openings reported from all parts of the US and Canada. Grid-square totals looked like what one would expect to see for QSO totals. NE4L worked VUCC in just eight hours. K4WRP reported working 45 different states on 6 meters during the contest. W5SXD claims 6-meter openings to the entire country for hours at a time. W6CPL reports great 6-meter openings from the West Coast. WB2QLP worked all US Call Areas and seven countries on 6 meters. We were blessed with some of the best 6-meter openings in years, but this wasn't the only band with great conditions.

Two meters was another hot topic, especially in the South. E-skip brought smiles to the faces of many 2-meter contestants. WB4BKC picked up seven new states all on 2 meters. Great openings into Texas on Sunday were reported by KJ4HF. Three hours of 2-meter Es made this the most exciting VHF contest W5UWB has been in. KA5TJI claims the Sunday morning 2-meter opening sounded like 20-meter pileups. N4FAC says this was the craziest June contest ever. Their two-man crew had to work hard to keep up with 2-meter openings to both coasts. With all these high spirited comments, one would think everything was golden—not so! W1AIM complains that his QSO and grid-square totals on the higher bands suffered as a result of everyone being on 6 meters. K1FO reports that 432 MHz was pretty slow and he had a sneaking suspicion where everyone was. Actually, all the bands, six through light, were represented with great amounts of activity.

The first confirmed Sporadic-E contact on 220 MHz was reported between W5HUQ/4 (near Jacksonville, FL) and KSUGM (Irving, TX) during the contest on June 14 at 1544 UTC. Was this the only one? Did anyone else make any unreported records?

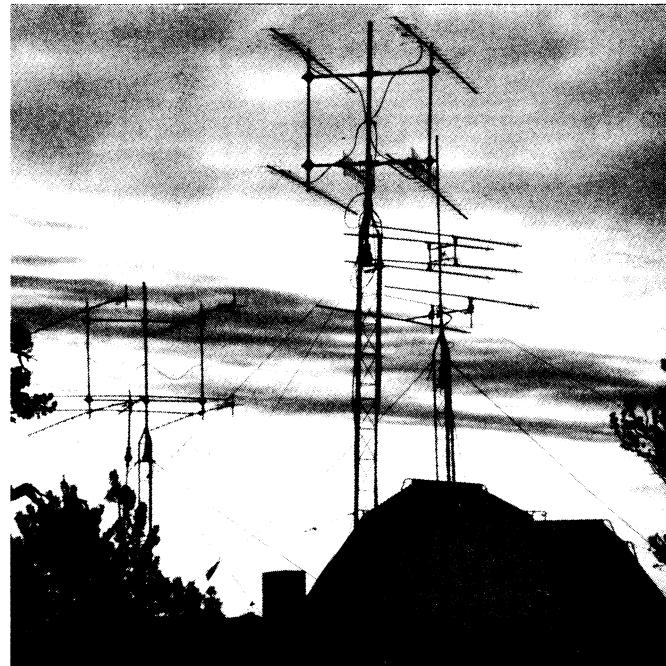
There were 691 entries processed by the Contest Branch this year. Thanks to all who got their logs in early! With only a couple of weeks to process all logs and put everything together, those few extra days are really appreciated. Out of the 590 single op entries only 15 of them tried their luck at QRP Portable. 102 multiop entries were received.

Twenty-seven of the thirty-two division records were shattered with record high scores being turned in most all sections. Check the division leader box for the new division records (13 single op and 14 multiop).

This year's single-op crown goes to Rick, K5UR in Arkansas, who operated five bands for a whopping total score of 367,734 points. His best band was 6 meters with 587 QSOs and 206 grids, all done running barefoot! Rick's 2-meter effort wasn't too shabby either with 184 QSOs and 81 grids. Mark, AA2Z, guest oping at WA2OMY, was right on his heels with 305k to claim second place with KB3QM following with 272k for third.

Clarke, K1JX, showed us all how to win running away in the QRP portable class with 120k points. West Coaster Larry, N6NVF, won second place with 15k, and W8FK/7 took third with 10k. Don't forget QRP Portable is for single ops only. Check the rules for full details.

The multiop scene brought fierce fighting as usual with no one sure of a win 'til the end. When the dust finally settled, W2SZ/1 was the clear winner and remains as "King of the Mountain" with a new record of 947,226 points. The crew of W2SZ/1 piled up a total of 1772 QSOs and 399 grids on all bands,



A night view of 5th-place multiop station N6CA, Southwestern Division leader.

50 MHz through 24 GHz, from the highest peak in Massachusetts, Mount Greylock. The 14 operators and helpers of Murgas ARC drove K3YTL to a second place win among the giants with a fantastic score of 887k. Kansas-based WB0DRL and crew took third place with 865k by working 1414 QSOs and 494 grids. The Illinois multiop gang of AA9D showed what they could do, making 1361 QSOs and 499 grids for a fourth place win. West Coasters from Santa Barbara manned N6CA and joined the fight ignoring the East Coast advantage and broke their way into the top ten with 752k for a fifth place finish. The seven Oklahoma operators of K5JL took advantage of the great openings and smashed their way to sixth among the big boys.

By popular demand, we have revitalized some of the boxes for more useful information. They should be more helpful in telling the story for those analyzers. Use this info in

designing your next game plan and tune in again Sep 12-14 for the next QSO Party.

## SOAPBOX

The Sunday evening E-skip was delightful! (WB2PID). Without a doubt this contest epitomized the so called "6-meter factor" (W1JR). Six meters was super! Best contest in the 20 years I have been a ham (WA1GDR). I didn't mind the rain, or the thunder, or the broken wires, or the splatter, but when a bat flew in the shack, I got upstairs and so did the YL (KA1BJ). Six meters—Wow! (W1RIL). Our best effort ever! I still did a double take at the call of ZF2BL when I worked him, even with 6 wide open (NICPE). Double E-hop to AZ and CA with only 10 watts made the whole contest great (NI1W). Working portable on Mt Kearsage went fine even though I had more bug bites QSOs than anything else (KA1LMR). Timed contest perfectly—six was hot all weekend. Had a ball (NE1A). Thunderstorms and power failures nixed my ambitions (N2FGZ). Unbelievable conditions on 6! First time I have broken 100k, but suspect a lot of others did, too

## Division Leaders

### Single Operator Division

Call	Score	Division
WA2OMY* (AA2Z,op)	305,660	Atlantic
VE3ASO*	127,908	Canadian
WD9IIX*	219,114	Central
K0ALL*	103,246	Dakota
K5UR	367,734	Delta
WA8TXT	122,640	Great Lakes
N2BJ*	231,990	Hudson
K0TLM*	217,344	Midwest
WA1OUB	200,080	New England
NUTZ'	74,090	Northwest
W6RXQ*	65,985	Pacific
N4MM	120,225	Roanoke
KA0NNO*	118,260	Rocky Mountain
WB4SLM*	156,104	Southeast
WD6AUP*	101,896	Southwest
K5CM* (N5CG,op)	252,160	West Gulf

\* denotes new division record

### Multioperator Division

Call	Score
K3YTL*	887,760
VE3LNX	218,900
AA9D*	833,829
KA0UZZ	68,211
N4FAC/5*	221,589
W8VP*	582,900
W1XX/2*	590,020
WB0DRL*	865,488
W2SZ/1*	947,226
N7WW*	186,874
N6AMG*	390,633
W3CX/8*	632,548
W8KEA*	129,688
WW4T*	125,100
N6CA*	752,028
K5JL*	685,069

## Single Operator QSO Leaders by Band

50 MHz		432 MHz	
N5CM (N5CG,op)	985	K1FO (AA2Z,op)	170
WD4MGB	645	N1BO	112
N0LL	590	N2BJ	111
K5UR	587	WA8DXG	104
WA1OUB	578	K2SMN	86
NE4L	570	K1PXE	83
WB8SXO	556	WA2OMY	
K1TOL	550	WB9MSV	82
W4OO	545	WA1HYN	81
WB2QLP	534	N2WK	81
KN5S	532	W1RIL	80
WB4SLM	522	WB2DNE	80
K4KUZ	518	K2KM	74
K9TLM	510	K3HCE	74
WB3EP/9	495	KB3QM	71
144 MHz		902 MHz	
N2BJ	316	K2SMN	15
K3NXH	316	W1JR	14
WB1BXS	308	W1RIL	14
WB2QOQ	307	WB1FKF	11
K1TRZ	305	WA1JOF	9
WA2RAT	295	WA2OMY	
K2SMN	263	WB2DNE	9
N9EXU	262	WB2YEH	9
WD9IIC	255	W1EJ	8
AK2F	249	NI1W	7
K3TC	244	WA3AXV	
WA2OMY (AA2Z,op)	233	(WB3KRW,op)	6
N4DT	227	VE3ASO	5
KA0TLJ	225	W2EIF	4
K3ONW	219	N2BFJ	2
220 MHz		WB6OPA	
N2BJ	82	W7PUA	
WA2OMY (AA2Z,op)	60	(CN64)	2
W6CPL	60	WB7UUP	2
WA2GEZ	58	K9MK/5	2
K4LHB	56	1296 MHz	
WB9MSV	53	K2SMN	47
N2EOC	48	W1RIL	35
K2SMN	48	WA2OMY	
KB3QM	45	(AA2Z,op)	31
WA1HYN	44	K6UQH	28
AB1U	40	WA1OUB	27
W2EIF	40	K1RZ	27
W1JR	39	NI1W	26
N1DPM	38	N2BJ	24
N2BFJ	37	K4QIF	24
K9ES	37	W0RAP	24
		K0TL	24
		WA8TXT	23
		N1DPM	22
		KD5RO	22
		W7RV	22

(N4JS/2). Excellent 6-meter conditions—lower activity on other bands (K2GK). The rotor broke down and the 2-meter multi-mode rig lost its frequency display... must be time for the June VHF contest (WA2RUW). Let's hear it for 6 m! (N2BJX). New radio, new beam, new personal best! (WB2ZSY). Saturday alternated between operating and sitting out four lines of thunderstorms. Sunday on 6 sounded like 20 meters during Sweepstakes (K4BNC). Six meters was outrageous! I'm sure there are several stations in the Midwest with a single-band score over 100k on 6 (WB2DNE). Six meters was fantastic. As long as it was open I stayed there (WA3GYW). Great 6-meter conditions. Wish I had spent more time on it (WB3IGR). Could have doubled my score except that my son chose this weekend to come into the world! (KA3CXG). Wow! (W3HDH). Super weekend for 6 meters! Heard at least 20 more grids squares than I worked. Got to get a big antenna! (W1GOM). Was just going to make a few contacts and listen for "rare" ones, but—you know what happened! (KB3PD). Really blew it when I fell asleep during small opening to 5 land (K3TC). Six great! But long, long weekend—thanks KA4OAK for cold drinks! (NS4W).

Couldn't believe the pileups, especially since I was on the receiving end on 6 meters. All in all—one great contest (KB4GBS). Two sweetest sounds heard here: a call from CT4KQ on CW while I was working a phone pileup, and QRM on 50 MHz CW—it's about time we used more CW (W4WHK). I thought it was nice of everybody to arrange the "E" opening for me as a newcomer to 2-m SSB (WB4MJE). We were blessed with wonderful Es almost continuously on 6 m. Very intense propagation to all parts of the contiguous US, with short openings to Hawaii, Bermuda and the Caribbean (AA4FQ). If the bands will open like this, let's have a contest every weekend (K4KAE). There were some new records set! (N2CJP). Fantastic! Great Sporadic-E on 2 meters Sunday morning sure livened things up! (WD4AHZ). My first contest in 24 years as a ham. Already looking forward to the next one (WA4GSS). Wow! What a band opening on 6—coast to coast. I worked enough new grids to qualify for VUCC twice over (KB4OLM) It was wild! I worked Seattle and Virginia all in the same minute and without changing the beam! (W4HJW). Worked my first XE after three years of being a ham (KB4KKG). Band was so hot it was hard to decide which way to point the antennas. Sure was proud to work XE1FUX/2 and VP5D (WB4NIX). Greatest thrill: GJ3YHU answered my CQ (K4KUZ). I have been off 6 meters for 6 years—what a welcome-back party! (WB4IUX). Had a lot of fun on first contest! (KB4WVI). Fantastic opening on 6 meters, it stayed open most of the weekend (N4HB). Fantastic contest! Murphy had as much fun as we did. He wiped out two rotors and a 432 preamp (WB4LRA). Best contest ever (WA4JNE). My second contest and first multi-operator. I will be back for sure! (WW4T). Wow! Six meters sure was great (WB2WI). Fine 6-meter conditions! Netted 140 grids on 6 m with 10 watts—what fun! (N5EPA). Great conditions on 6 and 2. Two meters sounded like 20 meters. On Sunday—just fabulous (WA5S). Twenty watts produced 130 grids on 6 m. K6HXW was pinning my S-meter off the back of the beam, and I had W4s S-9 off the front. Missed working my own grid during all this (K7CW). Great Es Sunday morning. Had power failure while it was happening! Good old Murphy! (KF5PE). What can I say? It was the greatest opening in my 32 years operating on 2 meters! (W5FYZ). First contest for the family—they learned a lot and so did I. They will upgrade for sure now! (WD5CAN). This has been the best conditions for a contest on six meters in a long time, and if this holds out for the next QSO Party, I'm headed down the muddy MS to the lighthouse in EL88 (WD5BJT). The good news: I was heard 59+ by GJ4ICD. The bad news: I didn't hear him (N5JHV). Best contest I've ever seen since I've been a ham. Conditions were unbelievable. Worked new states like locals (WB5NAA). Most fun I had in a contest ever! Almost 10k on 6 meters using a 40-m dipole—who says VHF can't be for everybody? (WB5AFY). Great conditions and activity! (W5FF). Unbelievable 6-meter opening. Picked up states 48 and 49 (W6PFE). Saturday, dead. Sunday was like 20 meters had moved to 6 m! (KK6C). Six meters was very good on Sunday after a slow start on Saturday (W6RXQ). Those darn cows seem to think that rotor wire is better than grass—had to splice our 2-meter rotor no less than four times! (WB6WLE). There isn't enough room in all of QST to list everything that went wrong with my first portable operation—from leaving the microphone at home to convincing to police that what I was doing was not illegal (WA6PMX). Lightning, wind, rain and heat—just another Nevada contest (KD7M). Superb! (K2DNR). Great 6-meter opening Sunday. FB contest—for a change! (W7ABX). The

## Top Ten Single Operator

Call	Score
K5UR	367,734
WA2OMY (AA2Z,op)	305,660
KB3QM	272,538
K5CM (N5CG,op)	252,160
K2SMN	250,848
N2BJ	231,990
WD9IIC	219,114
K9TLM	217,344
WA1OUB	200,080
WB9MSV	200,043

## Top Ten Multioperator

Call	Score
W2SZ/1	947,226
K3YTL	887,760
WB0DRL	865,488
A9AD	833,829
N6CA	752,028
K5JL	685,069
W3CCX/8	632,548
W1TKZ	630,576
K1TR	624,024
W1XX/2	590,920

## Top Ten QRP Portable

Call	Score
K1JX	120,268
N6NVF	15,631
WB8FP/7	10,419
N2FPB	5,580
NY7C	5,335
NG1W	1,659
KB1XD	1,416
KA1LMR	980
KA1CV	450
KA0ZLF (DM89)	270

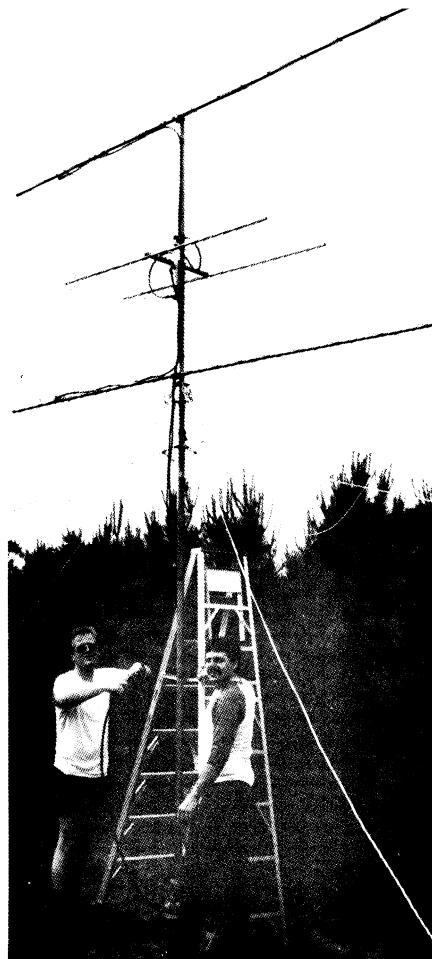
## Multiorienter QSO Leaders by Band

50 MHz		432 MHz	
K5JL	969	W2SZ/1	206
WB0DRL	835	K3YTL	166
W1XX/2	759	W3CCX/8	155
AA9D	750	K1TR	148
N6CA	730	WB0DRL	142
W1TKZ	717	N6AMG	135
W2SZ/1	709	W1TKZ	133
K1TR	689	N6CA	132
K3YTL	660	AA9D	130
W8UC/9	660	W8VP	122
WA7JTM	656	W1XX/2	112
W7CI	653	WB8BKC	108
WD8ISK	605	K3LNZ/8	104
XE1FUX/2	584	WD8ISK	100
WB5RUS	566	WB2PSI	96
144 MHz		902 MHz	
W2SZ/1	615	K3YTL	25
K3YTL	609	W2SZ/1	24
K1TR	571	K1TR	20
W1TKZ	518	W1TKZ	13
W1XX/2	441	W1XX/2	13
W8VP	422	VE3LNX	13
NV2D	400	W3CCX/8	10
N8DKL	339	K1DS	10
AA9D	336	WB2WI	8
WD8ISK	327	K1WHS	7
N6CA	322	N6AMG	7
WB0DRL	319	WB8BKC	6
K3LNZ/8	291	W1XM	5
W2DRZ	278	N7NW	5
K6BPC	277	1296 MHz	
220 MHz		1296 MHz	
N6CA	339	K3YTL	60
N6AMG	167	N6AMG	55
WB0DRL	143	WB0DRL	54
W2SZ/1	127	N6CA	52
K3YTL	110	W1XX/2	37
K1TR	99	W1TKZ	36
W3CCX/8	94	AA9D	35
K2AA	82	K1TR	32
W1XX/2	80	WB3CCX/8	31
W1TKZ	78	WB8BKC	31
KE6AR	70	W3KWH	30
W8VP	70	WB2WI	28
NU8S	65	W8VP	26
K3LNZ/8	58	K5JL	25
AA9D	58	K6BPC	24

"mountain toppers" made it more fun by activating rare grids (WB7ATP). One of the best 6-meter openings for the contest I have seen in years (N7DB). Late opening on 6 meters, then things went wild (W7HAH). Great contest! Lots of rare grids on 2 meters! (WA7VHW). In less than one hour, I worked 32 stations in 19 grids and 8 states in SE US (W7RV). Propagation and a contest at the same time? Fantastic! (KC3CL). Too busy working opening on 6 to worry about the other bands. Never dreamed I would get a point total this high (N8CCC). A super contest. Who bribed the propagation gods? Do it again! (KB8II). My first contest on VHF. Had a good time (N8GWP). First attempt at VHF QSO party even though I have had this call almost 54 years. Be back again with better antenna (W8LHV). My first contest in a long time. Thank you NI8O for all the help (WD8BHO). A really good time (KE8BR). Wow! What a 6-meter opening! Almost qualified for VUCC that weekend! (WB8JAY). What a contest! Conditions were simply tremendous nearly everywhere—what else can one add? (W3EP/9). Sunday morning was a lifesaver due to the openings then or this contest might have been a disaster (W9YCV). No breaks, no sleep, just fun! (WA8FTA/9). Hello 6 meters, goodby channel 21 (AJ9C). Would have liked more E-skip on 2 meters, but this was the best VHF Contest in my 23 years on the air (NE9O). Tropo and Es on Sunday morning kept me hopping between radios (WB9MSV). Had a great time (K9VGE). Sure is great to see the spread of 6-meter activity all the way up to 50.280 MHz. With a little effort, one could work VUCC in one contest (WA9LZM). Great conditions on 6 and 2. I wish I had more bands! (AE9M). Somehow I overcame equipment problems at the contest start to enjoy dynamite 6-meter opening that just wouldn't quit (WD9IIC). Whew! What a weekend... Six was really cooking. I worked at least ten new states and four new provinces as well as my first XE (N6GPD). Help! E-skip on 6 and 2, tropo on 220 and 432 at the same time! Which band does a single operator use first? (KC0QR). Six-meter conditions were excellent to all call areas. Best DX was W6JKV/V2A! (W9EET). First ever VHF operation and/or contest

## Single Operator Multiplier Leaders by Band

	50 MHz	432 MHz	
KA0NNO	270	N1O	53
K5CM		WA8DXG	45
(N5CG,op)	256	WB9MSV	43
W5SXD	225	K5UR	42
NE4L	209	WA9GCB	39
KN5S	209	K1FO	37
K5UR	206	KR9G	36
WB4SLM	204	K2SMN	35
WA1OUB	202	W8AC	35
N0LL	201	K9VGE	35
KB3QM	200	W0RAP	34
W5OZI	198	N2WK	33
K1TOL	195	WA8TJL	32
W3EP/9	192	WA8TXT	31
WD4MGB	188	WB2DNE	30
K0TLM	187	K4QIF	30
		WD5AGO	30
	144 MHz	902 MHz	
K5UR	81	K2SMN	10
N0EDQ	72	W1JR	8
N5WS	66	W1RIL	7
N4DT	65	WA2OMY	
W4FF	64	(AA2Z,op)	7
W4ZD	64	WB2YEH	6
AA4ZZ	60	WA1JOF	5
K5SW	60	WB1FKF	4
W7ZI	60	NI1W	4
N9EXU	59	WA3AXV	
W8NJR	59	(WB3KRW,op)	4
KA0TLJ	59	VE3ASO	4
W8AC	58	W1EJ	3
WA8TJL	57	W2EIF	3
WD9IIC	56	W7PUA	
	220 MHz	1296 MHz	
WB9MSV	28	(CN84)	2
K2GK	27	K9MK/5	2
K4LHB	26	N2BFJ	1
N2BJ	25	WA3RMX	1
K2SMN	25	WB7UUP	1
KB3QM	25		
WA2OMY		K2SMN	21
(AA2Z,op)		W0RAP	21
WA2GEZ	24	K0TLM	19
K5UR	23	N1O	17
W9IP/2	22	K2GAL	16
N2BFJ	21	WA2OMY	
AB1U	20	(AA2Z,op)	16
WA4SBC	20	K5UR	16
WA8TJL	20	WA8TXT	16
WA8TXT	20	WA1OUB	15
VE3ASO	20	WD5AGO	15
		K4QIF	14
		KD5RO	14
		W1RIL	13
		K1RZ	13
		N2BJ	13
		N5WS	13



Putting the finishing touches on the 432 and 1296 antennas at W1QK's Cape Cod station.

## Multioperator Multiplier Leaders by Band

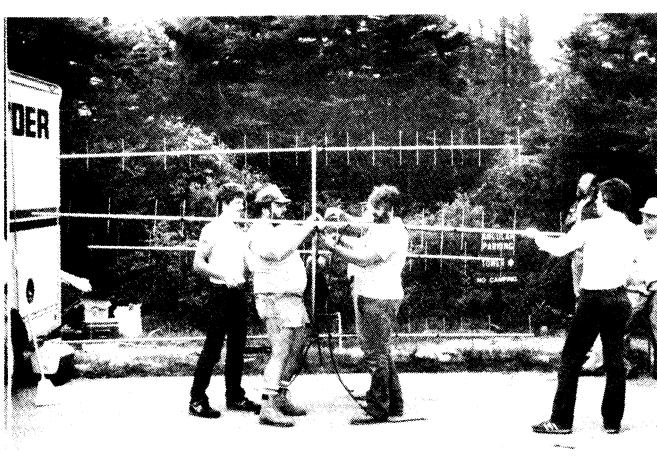
	50 MHz	432 MHz	
K5JL	279	WB0DRL	74
N6CA	253	AA9D	71
WA7JTM	248	W8VP	65
W7CI	243	W3CCX/8	55
AA9D	235	WB8BK	54
WB0DRL	228	K5JL	53
XE1FUX/2	228	W3KWH	47
WB5RUS	220	W8UC/9	47
WD8ISK	220	K3LNZ/8	44
W0UIC/9	219	WD8ISK	44
W1XX/2	211	K3YTL	43
W2SZ/1	206	W2SZ/1	41
K3YTL	206	WB2PSI	38
W8VP	205	W1TKZ	37
WB2WIK	204	N8DKL	37
	144 MHz	902 MHz	
AA9D	110	W2SZ/1	14
W8VP	96	K3YTL	13
WB0DRL	93	VE3LNX	11
K5JL	83	AA9D	10
N8DKL	75	K1TR	9
WD8ISK	75	W3CCX/8	9
WB8BK	72	W1XX/2	8
WB8LND	71	WB2WI	7
W3CCX/8	69	N6AMG	7
W2DRZ	67	W1TKZ	6
N5HHS	66	K1DS	5
W0UIC/9	66	WB8BK	5
K3YTL	65	K1WHS	4
W3KWH	63	N7NW	4
K3LNZ/8	59	K3LNZ/8	3
WB5RUS	59	N6CA	3
W0FY	59	WD8ISK	3
	220 MHz	1296 MHz	
W8VP	50	WB0DRL	46
W3CCX/8	42	AA9D	27
WB0DRL	41	K3YTL	26
AA9D	36	W2SZ/1	22
K3YTL	35	WB8BK	22
WD8ISK	34	W3KWH	21
W1TKZ	33	W1TKZ	19
W2SZ/1	33	W8VP	19
WB8BK	32	W3CCX/8	18
K3LNZ/8	30	VE3LNX	18
W1XX/2	29	K5JL	17
K2AA	29	W1XX/2	16
WB2PSI	29	N6CA	16
K1TR	28	K1TR	14
W3KWH	27	K2BWR	13
		WB2WI	13
		N6AMG	13

and it was a ball! (W0EUG). From the CT4 contact and two other new countries on 50 MHz to four new states on 1296 MHz, the conditions were beyond my best hopes (K0TLM). Fun! (W0NKO). My first contest—had a ball! Learned a lot about contesting and operating. I am looking forward to

the next VHF contest (KD0ABU). Six meters was like the weather here, hot! (WA0DCB). Band conditions were incredible. Six-meter E<sub>s</sub> Saturday was followed by a big tropo opening on Sunday AM, which was later followed by E<sub>s</sub> on 2 meters! (W0FY). Enjoyed the contest as usual. Six was great! (KD0SU). Excellent openings produced many new grid squares (VE3VET).

## Feedback

Please note the following corrections from Sep 1986 QST: K2DNR should have been the A winner in AZ. K6LM/7 should have been K6LMN/7. WB4CTW was listed in TN, but he should have been in VA. AE3T was listed in OR, but he should have been in EPA.



The crew of Roanoke multiop Division leader W3CCX/8 assembling the 432-MHz array.



One of grid-hopper Hal's W0MXY, portable locations in New Mexico (DM76).

## Scores

Call, score, QSOs, multipliers, bands worked (A = 50 MHz; B = 144 MHz; C = 220 MHz; D = 432 MHz; 9 = 902 MHz; E = 1296 MHz; F = 2.3 GHz; G = 3.4 GHz; H = 5.7 GHz; I = 10 GHz; J = 24 GHz; K = 48 GHz; L = Light). An asterisk before the call sign denotes a QRP-portable station; an (N) after the call indicates a Novice.



1

Connecticut

K1JX 120,268- 516-214-ABCD  
K1EM 103,550- 503-190-ABCD  
K1PXE 59,136- 294-132-ABCDE  
AB1U 50,344- 302-116-ABCD  
NE1A 33,386- 278-120-AB  
W1WHL 12,275- 217-109-A  
K1FO 12,582- 170- 37-D  
KH6CP/1 12,375- 148- 75-ABDE  
WB1BXS 10,164- 308- 33-B  
WA1NLD 2,094- 110- 19-B  
W1FAJ 2,024- 52- 23-BCD  
WA1GTP 2,006- 50- 40-AB  
\*KB1XD 1,416- 78- 12-BCDE  
WB1CWZ 780- 26- 15-C  
\*KA1CV 450- 45- 10-B  
KA1QDC 2- 1- 1-C  
WA1KGR (KA1s AHR,MDA,PAS,N1s  
EFQ,EJG,ND1,ops)  
66,367- 444-133-ABCDFGH  
W1AW (KA1CV,KJ4KB,ops)  
8,201- 116- 59-ABDE

Eastern Massachusetts

W1JR 97,788- 404-174-ABCD9EF  
WA1JOF 41,285- 245-115-ABCD9E  
WB1FKF 37,184- 211-114-ABCD9EF  
K1SRZ 32,538- 264-102-ABCD  
KX1C 23,970- 211- 94-ABCD  
WA1NPZ 17,340- 170-102-A  
WA1NQV 15,543- 157- 99-A  
K1TQ 14,027- 164- 83-ABCD  
W1GXT 9,727- 93- 71-ACDE  
K5MA/1 4,248- 177- 24-B  
K1VZI 2,700- 63- 27-BCDCE  
KA1NSV 1,860- 124- 15-B  
W1PSG 1,170- 78- 15-B  
W1QXX 284- 12- 11-A  
WB2PID 225- 19- 9-ABC  
KA1DHO 156- 13- 12-A  
W1ZNY 49- 16- 3-B  
W1QK (+ N1ABY,W1AVX,WB1CVW)  
71,574- 414-151-ABCOE  
KB1NW (AB1X,KA1NS,ops)  
9,380- 127- 70-ABD  
W1XM (KX1Z,W1GSL,K3MC,ops)  
2,970- 91- 22-BCD9

Maine

K1TOL 107,250- 550-195-A  
W3HQT 38,938- 280-124-ABCD  
N1BUG 1,500- 60- 25-AB  
W1PLX 1,180- 59- 20-B  
WB1APD 468- 36- 13-B  
WA1TDO 21- 7- 3-B  
K1WHS (+ AF1T,K1MNS,KY1K,W1As NIE,TFH)  
236,096- 836-238-ABCD9EFGHJ

New Hampshire

WA1OUB 200,080- 766-244-ABE  
W1EJ 86,346- 469-162-ABCD9E  
AC1T 56,032- 360-136-ABCD  
NI1W 19,040- 170- 80-ABCD  
KA1BJ 6,666- 191- 33-AB  
NK1F 5,162- 178- 29-B  
K1KA 4,732- 169- 28-B  
WA1GDR 4,482- 83- 54-AB  
W1JSM 1,008- 52- 18-AB  
\*KA1LMR 980- 45- 20-ABCD  
W1GUA 874- 34- 23-ABD  
N1DNC 30- 10- 3-B

Rhode Island

WA1HYN 17,755- 210- 53-BCD  
W6I/1 3,220- 70- 46-A  
K1DS (+ K1HGC,KM1X,K21K,N1s  
BAQ,BBM,W1EYN,WA1TAQ)  
156,415- 668-205-ABCD9E

Vermont

WB1GQR 91,836- 459-177-ABDE  
WA1JGK 21,756- 222- 98-A  
W1AIM 41,363- 282-133-ABCDE  
WA1TBV 1,665- 45- 37-A  
WA1WIF 810- 30- 27-A

W1TKZ (KA1s LDV,LQK,NDX,OOO,KB1WI,  
N1s ADY,CPE,ND1Z,NF1Z,W1GCI,WA1s  
YOJ,ZLQ,BUM,N2A,WG,W2as TEO,TIF,ops)  
630,576-1497-348-ABCD9EF

Western Massachusetts

W1RIL 146,828- 569-188-ABCD9E  
K9ES 105,570- 544-170-ABCD  
N1DPM 101,675- 477-175-ABCDE  
K1ISW 31,310- 239-101-ABCOE  
KA1CRX 2,850- 89- 47-AB  
K1JG 288- 18- 16-B  
W25Z/1 (K1DH,K1DZV,N1CJ,N1H,V  
ZFK,ZMS,WB1CBH,HIIH,K2TR,K2WR,  
KA2s DEW,FVN,QHF,WRG,K62DGA,NF2B,  
NJ2L,NT2X,N2C,BY,CJJ,W2as AAU,GFP,  
SCA,SPL,WB2s KMY,PKO,AK4L,  
WA8ops)

947,226-1772-399-ABCD9EFGHJ

K1TR (+ KA1KA,KA1KA,KA1K3W,K5ZD,  
K8UR,N1FAQ,N1BEM,NG1A,W1a PBV,VJ,  
WB1DNL 624,024-1563-324-ABCD9EFGH  
W1NY (AC1T,K1AMP,W1KK,W1HF,ops)  
118,116- 557-193-ABCD

KA1KRJ (+ KA1s MEW,MHY,WB1HAB)  
79,750- 546-125-ABCD

2

Eastern New York

N2BJ 231,990- 804-202-ABCDE  
WA2BAH 26,320- 220-120-ABCD  
WA2ZPX 20,736- 216- 96-AB  
WA2ALV 6,552- 101- 63-ABD  
\*N2FBP 5,580- 90- 62-A  
WA2FUZ 2,046- 93- 22-B  
KD2IX 728- 52- 14-B  
KG2H 377- 29- 13-B  
WB1BTJ/2 (N) 200- 20- 5-C  
WA2RUW 180- 15- 6-C  
W1XX/2 (+ K1GX,KB9JN)  
590,920-1443-340-ABCD9EF  
AB21 (+ AB2J,W2AWX,W2ID,WB2DVV)  
64,321- 436-131-ABCE

N1CVA (+ KA1LLX)  
15,249- 193- 69-ABD

W2YJO (+ KA20)  
2,438- 99- 23-BD

NYC-Long Island

N2BFJ 103,626- 416-202-ABCD9E  
K2MT 17,748- 174-102-AB  
KA2VKD 17,739- 193- 81-ABD  
WB2ALW 14,725- 141- 95-AD  
WA2RAT 11,210- 295- 36-B  
K2OVS 9,916- 117- 74-ABD  
WA2SLY 9,558- 162- 59-AB  
WA2EIO 5,076- 108- 36-BD  
NB2T 4,525- 181- 25-B  
WB2CUY 3,588- 111- 26-BD  
K2KM 3,582- 205- 33-BD  
WB2ZSY 1,548- 86- 18-B  
KA2CKV 854- 61- 14-B

Northern New Jersey

K4BNC 33,221- 239-139-AB  
WB2BPY 17,127- 173- 99-AB  
WA2GEZ 14,697- 155- 69-ABD  
AK2F 10,471- 266- 37-BC  
WB2QOQ 10,438- 307- 34-B  
K2DEL (N2DXP,ops)

8,580- 132- 65-A

KA2VAD 7,695- 113- 45-BCDE

WA2UDT 1,680- 43- 28-BCD

N2EOC 1,632- 48- 17-C

KR2J 949- 79- 12-B

N2FQZ 230- 18- 10-BD

NV2D (KB2BNL,KE2AH,N2EPRH,HEB,WM,K3QM,  
ops)

233,811- 824-249-ABCD

KC2GE (+ WB2PSD)

12,616- 262- 38-BD

Southern New Jersey

K2SMN 250,848- 686-268-ABCD9EF  
N2AHH 141,669- 509-243-ABCD  
N4JS/2 107,352- 447-213-ABCD  
W2HRW 82,016- 422-176-ABD  
WB2YEH 75,504- 322-176-ABCD9EF

K2YY 68,688- 391-159-ABDE

3

Delaware

KB3MT 272,538- 781-294-ABCDE  
AC3T (KA3B,ops)  
63,817- 397-161-A  
KA3KHZ 6,105- 185- 33-B  
KB3PD 2,496- 52- 24-D

Eastern Pennsylvania

WA2OMY (AA2Z,ops)  
305,660- 831-290-ABCD9E

WA3AXV (WB3KPW,ops)

23,582- 167-102-ABCD9EF

N3EXA 9,471- 190- 41-BCD  
WA3USG 8,106- 152- 42-BD  
K3ONW 8,103- 307- 37-B

W3CL 6,588- 88- 61-ABCD

W1GOM 5,733- 91- 63-AB

WB3IGR 4,565- 74- 55-ABD

W3VIR 2,376- 46- 27-BEF

N3BNV/NM 30- 5- 3-D

K3YTL (WA1MEC,KL2NS,NA2T,K3MKZ,  
K3EEO,KB3CI,N3FJA,W3DZW,W3As  
NVS,YON,WB3s CAI,FAK,FKQ,FYT,ops)

887,760-1659-405-ABCD9EFGHJ

K2AA (KA2s FFS,MSM,OMP,N2B,DZ,YC,  
FY,W2s EA,ORA,WB2s ABF,VYA,ops)

21,371- 768-231-ABCD

K3MTK (KA3s OR,RGB,RG,X2F,POB,WA3s  
IAO,NAY,OTI,VUG,WK,ops)

109,200- 543-175-ABCD

W3LP (K3GZN,W3s GFN,JUZ,W3A3CUQ,ops)

41,528- 285-116-ABCD

Maryland-DC

WB2DJN 124,976- 504-214-ABD  
K3HCE 74,736- 328-173-ABDE  
W3XO 51,240- 305-168-AB  
W3IFM 41,978- 264-159-AB  
K3AKR 35,092- 239-124-ABCD  
K1RZ 25,090- 332- 65-BE  
WA3UJE 25,026- 246- 88-ABCD  
K3NXH 15,168- 316- 48-B  
K3TC 8,298- 244- 34-B  
WA3GYW 5,684- 98- 58-AB  
\*NG1W 1,659- 79- 21-B  
KC3SYS 1,281- 61- 21-B  
N3FHD 1,098- 61- 18-B  
K3BHH 705- 47- 15-AB  
KA3CXG 348- 29- 12-B  
WA2VUJ/3 288- 36- 8-B  
W3GN 36- 6- 6-B  
K3IV0 (N2GAR,N2GTE,N3DCl,K3YDX,  
K4ARHS,WB6VGI,ops)

56,914- 340-143-ABD

W3PGA (K3 PHH,ROJ,W3sJDF,VRD,  
WA3LAW,ops)

21,570- 300-123-ABD

Western Pennsylvania

W3HDH 52,200- 300-174-AB  
WA3D,JG 37,944- 243-136-ABCDE  
W3J,KM 6,693- 97- 1-A  
K3ZD 1,012- 44- 23-B  
W3KWH (KA3s KSD,OY1,QE1,N3EQP,NG3H,  
W3s HH,SV1,W3As FTJ,TS,ops)

278,204- 676-313-ABCD

4

Alabama

NE4L 119,130- 570-209-A

WB4AXQ 35,200- 260-128-ABD

WB4ANIX 29,312- 229-128-A

WB7ECS/4 29,172- 204-143-AB

N4AHJ 2,494- 58- 43-A

KB4KKG 360- 20- 18-A

WA4VUG 126- 14- 9-B

WA4RHK (+ AA4YB,K41YD,KB4sLON,PON)

2,541- 77- 33-B

Georgia

WB4SLM 156,104- 632-247-AB

WA4ANJP 153,517- 578-241-ABCDE

WA4ANKL 84,060- 467-180-A

K4CKS 37,088- 220-152-ABD

NA4I 28,536- 229-123-ABD

KA4KKF 8,658- 103- 78-ABD

WD4AFY 2,923- 79- 37-B

AK4T 2,346- 51- 46-AB

WW4T (PE1AHXW4)

125,100- 512-225-ABD

WB4LRA (+ K4AEK)

52,190- 284-170-ABDE

WB4WXE (+ WL7AZB)

39,368- 266-148-AB

Kentucky

AA4FO 61,748- 337-172-ABD

N4KCM 30,008- 232-121-ABC

KK4BD 7,300- 146- 50-B

N4FFO 5,100- 85- 80-A

WA4GSS 3,320- 61- 40-BD

North Carolina

N4VA 29,799- 231-129-A

WA4GBE 23,364- 173-118-ABD

N2CP 22,624- 193-112-ABCD

AA4ZZ 17,472- 199- 78-BC

N4DT 14,785- 227- 65-B

KJ4BF 5,632- 88- 64-A

KJ4HF 3,737- 76- 37-BCD

W4FSO 2,170- 62- 31-BD

KA4HKK 1,400- 56- 25-B

N4YN (+ KA4ZBX,KB4RQB,N4PFZ,  
WA4LR,WC4Z)

48,356- 292-154-ABCD

KB4TX (+ W4SDJ)

27,531- 197-133-ABD

W4NC (KA1LNW,K4KPV,KB4NHB,N4slOZ,  
MB,ops)

1,064- 34- 19-BDEF

Northern Florida

W5HUQ 111,588- 542-204-ABCD

W4WHK 71,832- 438-184-A

WD4FAB 52,260- 324-156-ABD

WA4JNE 41,904- 291-144-AB

KL7JG 23,484- 192-114-ABDE

W4HWJ 23,421- 208-111-ABCD

WB4BSZ 17,840- 195- 92-A

South Carolina

WA4AMV 25,284- 196-129-A

WA4LDU 23,880- 186-120-ABD

WB4TLX 21,080- 170-124-A

KK4NO 18,333- 155- 97-ABDE

WB4IUX 10,406- 121- 68-A

W2CJU 8,910- 110- 81-A

N4LTA 4,875- 75- 65-A

NB4S 4,680- 104- 45-B

WB4PCs 4,141- 101- 41-B

WD4JQV 3,010- 66- 35-BCDE

K4KAE 2,436- 58- 42-AB

WC4G 987- 47- 21-B

W4VW 400- 20- 20-A

N4NFR 300- 20- 15-B

Southern Florida

WD4MGB 151,728- 895-214-ABD

WB2QLP 131,495- 595-221-ABD

W4OQO 94,285- 545-173-A

K4KUZ 83,916- 518- 162-A

KB4CRT 79,709- 404-193-ABD

WA2YRR/4 34,960- 304-115-A

KB4GDS 33,033- 273-121-AB

K4SC 27,438- 269-102-A

K4WYN 24,720- 198-120-ABD

WD4AHZ 11,456- 152- 64-B



A view of 6th-place multiop station K5JL, and its operators.

N4KEQ	6,100-	92- 81-ABD
W4LMJ	5,015-	85- 59-AB
NO4K	4,930-	85- 58-A
W4KMS	4,176-	72- 58-AB
KF4KI	3,668-	131- 28-B
K3ZJ	312-	26- 12-B
KB4WV	90-	9- 5-C
WB2KQG	2-	1- 1-C
WB2WIK (+KT2B,KC2PX,WB2TIQ)	330,215-	848-313-ABCDE9
N4HB (+WB4BVY)	178,089-	609-287-ABCD
W4IY (KAHWG,KA4CKL,KB4EUL,N4JNL,		
WB4s NFS,RM,WD4ECK,ops)		
WB4s NFS,RM,WD4ECK,ops)	171,710-	653-223-ABCDEFIL
WY4D (+KB4NNE)	1,224-	51- 24-B
<b>5</b>		
<b>Arkansas</b>		
K5UR	367,734-	878-387-ABCDEF
WB5IGF	16,468-	179- 92-A
NSHST	1,350-	45- 30-B
N4FAC/5 (+WB4LHD)	221,589-	710-283-ABCDEF
WD5CAN (+KB5s BHI,BKL,BPC,BPD)	70,132-	377-178-ABCD
<b>Louisiana</b>		
KB5LE	66,493-	413-161-AB
WB5NAA	38,400-	237-150-ABD
N4AZI	37,296-	250-144-ABD
WA5UFH	36,356-	298-122-A
WD5BJT	15,050-	175- 86-A
W5FYZ	5,238-	119- 44-B
NU5F	5,076-	108- 47-B
KB5AYX	777-	37- 21-B
NSIAQ (+KA5UL,KB5BUV)	38,955-	253-147-ABD
<b>Mississippi</b>		
W5RCI	61,074-	291-174-ABCDEF
AE5EH	44,849-	301-149-A
NS5DA	903-	43- 21-B
N5JBZ/5 (+WW5P)	39,080-	310-126-A
<b>New Mexico</b>		
KN5S	123,319-	553-223-AB
NSJHV	77,900-	408-190-ABC
K13L	68,000-	375-176-AB
N5EPA	44,847-	297-151-AB
W5FF	41,499-	261-159-AB
W5IKR	13,741-	151- 91-AB
WB5AOX	5,885-	103- 55-ABD
KB5GY (DM68)	1,904-	56- 34-AB
W0MXY (DM68)	279-	14- 9-BDE
W0MXY (DM76)	147-	11- 7-BDE
KA5EBL (+W9FJW)	50,362-	288-169-ABD
<b>North Texas</b>		
KD5RO	152,515-	526-235-ABCDEFQ
N5ZC	49,419-	323-153-A
WD5ABF	39,050-	253-142-ABD
N5WS	18,407-	195- 79-BE
WB5AFY	9,804-	114- 86-A
K9MK/5	9,178-	133- 62-ABD9E
AASC	8,682-	104- 71-ABDEF
KF5AL	8,383-	109- 77-A
KC5IJ	4,399-	83- 53-AB
KF5PE	2,975-	83- 35-BE
WA5ZKO	1,272-	53- 24-B
WA5TKU (+ops)	39,102-	228-133-ABCDEF
<b>Oklahoma</b>		
K5CM (N5CG,op)	252,160-	985-256-A
K5SW	35,250-	200-125-ABCDEF
W5NZS	30,888-	219-132-ABCD
KA5OKA	10,750-	125- 86-A
WD5AGO	6,783-	60- 51-BDE
N0MRF/5	1,794-	78- 23-B
N7NDU	224-	16- 14-A
*W8JRP/5	70-	10- 7-AB

WB6DTA (+K6DYD)	57,460-	316-170-ABDE	N8BMM	14,938- 139- 97-ABD
<b>San Francisco</b>			N8BDGN	14,718- 175- 66-BD
WA7KLK	38,676-	255-132-ABCDF	KM8U	7,682- 167- 46-B
N6GLI	25,576-	202- 92-ABCDEF	N8BWG	6,854- 149- 46-B
WA6JYO	7,360-	89- 64-ABDE	KD8YL	3,763- 71- 53-A
<b>San Joaquin Valley</b>			K8OKK	3,700- 74- 50-A
WB4AYE/6	20,097-	178- 99-ABCDF	K9NTK	3,380- 84- 40-B
WB8YY	1,615-	85- 19-B	KE8BR	2,590- 63- 37-BD
N6OA	1,240-	40- 31-A	WB8AAX	2,080- 65- 32-B
N6EJG	530-	53- 10-B	N8CSY	792- 36- 22-B
K6YK	315-	35- 9-B	N8GPW	580- 29- 28-B
KF6NY (CM98)	97-	8- 7-ABCFDE	WB8BKC (+KB8BSW,N8ERM,NE8I,	
KF6NY (DM07)	45-	5- 5-ABCFDE	WA8VPD,(+WB8PGN)	
KF6NY (CM97)	40-	5- 2-BCDFE	373,430- 825-349-ABCDEF	
WA6UZR (+W6YLY)	64,464-	321-158-ABCDF	WB8TGY)	
WB6WLE (+WB6PGN)	31,787-	238-133-ABD		

<b>Ohio</b>			WA9TXT	122,640- 409-210-ABCDEF
KC3CL	112,520-	446-232-ABCDF	WC3CL	87,800- 351-200-ABCD
WA8TJL	87,800-	351-200-ABCD	WA8TTE	57,200- 294-176-ABDE
KA8ZOK	35,400-	267-120-ABD	WB8TCX	35,280- 249-140-ABD
K8TL	28,798-	194-119-ABDE	WB8HFG	4,880- 84- 45-BD
K8MFO	28,085-	205-137-ABD	N8HBF	4,399- 79- 53-ABCD
N8CCC	24,056-	185-124-ABCD	WA8RCN	4,324- 92- 47-ABD
WB8JAY	21,505-	162-115-ABD	K8CQA	3,655- 85- 43-B
N18O	21,140-	138- 70-D-E	K8LMN	2,790- 90- 31-BD
WA8DCE	19,281-	177-103-ABD	KK7B	2,436- 37- 29-DE
K8DW	19,186-	149-106-ABDE	WD8BHO	2,208- 46- 24-D
WB8PAT	15,252-	103- 93-ABCFDE	W8DN	2,190- 52- 30-BD
K9TGC	11,397-	131- 87-A	N8IAO	1,932- 68- 28-B
WB8AC	11,192-	182- 93-BD	KV8MV	1,316- 47- 28-B
WB8JR	11,151-	189- 59-B	WB8LV	1,150- 50- 23-B
WA8DXG	9,380-	104- 45-B	WB8OUD	792- 41- 18-BD
WB8TCZ	7,696-	102- 74-ABD	K8AX	684- 36- 19-B
N8BZN	5,166-	87- 41-ABCD	KABQKY	680- 34- 20-B
WB8HGG	4,880-	84- 45-BD	WB8IFC	266- 19- 14-B
N8HBF	4,399-	79- 53-ABCD	W8VP (K8s AL,KN1,YY,ZWF,K8s BZV, RRL,SLT,ZDS,N8s BO2,FXL,GUJ,GUW,WA8s WB8PR,WA8HF,ERB,TRK,WD8EMS,ops)	582,900-1096-435-ABCFDE
WA8RCN	4,324-	92- 47-ABD	WD8ISL (+W43OJX,N4AMG,K8IFC,W8s NJR,OGs,ONo,W8sGEQ,IGY,W9VNE)	503,366-1093-389-ABCDEF

<b>Arizona</b>			W7RV	79,794- 326-198-ABCDF
K2DNR	56,398-	298-173-ABDEI	WA7ZWO	34,181- 257-133-A
A7A	48,644-	272-169-ABD	K1SC7	25,630- 205-126-AB
WA7ZWO	34,181-	257-133-A	WB8SE	14,949- 151- 99-A
K1SC7	25,630-	205-126-AB	WB8OGH	10,720- 134- 80-AB
WB8SE	14,949-	151- 99-A	N7BUP	4,819- 79- 61-A
WB8OGH	10,720-	134- 80-AB	WB7OHF (DM24)	1,728- 48- 36-A
N7BUP	4,819-	79- 61-A	WB7OHF (DM24)	1,365- 39- 35-A
WB7OHF (DM24)	1,365-	39- 35-A	W7CI (+K7PRS,K7BY,WA7s)	W7CI (+K7PRS,K7BY,WA7s)
WB7OHF (DM24)	1,365-	39- 35-A	CJO,LYI)	253,062- 781-306-ABDE
WA7JTM (+N7AMA)	220,922-	293-303-AB	WA7JTM (+N7AMA)	220,922- 293-303-AB

<b>Idaho</b>			N7EJU	35,862- 278-129-AB
WA7FSI	32,895-	255-129-AB	WA7CVJ	4,212- 76- 54-ABCD
WA7CVJ	4,212-	76- 54-ABCD	WA7DYZU (+W4CTU)	32,488- 248-131-AB
WA7DYZU (+W4CTU)	32,488-	248-131-AB	<b>Montana</b>	
<b>Montana</b>			W7AH	72,336- 274-132-AB
W7AH	72,336-	274-132-AB	W7JF	18,700- 185-100-AD
W7JF	18,700-	185-100-AD	KB7Q	9,085- 115- 79-A
KB7Q	9,085-	115- 79-A	K27N	3,290- 70- 47-A

<b>Nevada</b>			K7ICW	32,944- 232-142-AB
K7ICW	32,944-	232-142-AB	KD7M	30,602- 210-143-ABD
KD7M	30,602-	210-143-ABD	W7LQW	11,440- 132- 80-AB
W7LQW	11,440-	132- 80-AB	W7ABX	10,468- 114- 92-A
W7ABX	10,468-	114- 92-A	W7KYT	9,730- 124- 70-ABD
W7KYT	9,730-	124- 70-ABD	NW7O	1,007- 53- 19-B
NW7O (+N7BAW,WA7JUO,WA8YPL)	1,007-	53- 19-B	W7PUA (CN84)	55,880- 231-140-ABDE
W7PUA (CN84)	55,880-	231-140-ABDE	<b>Rhode Island</b>	
<b>Rhode Island</b>			N7BLS	32,349- 258-123-ABCD
N7BLS	32,349-	258-123-ABCD	W7XU	24,255- 217-105-ABCD
W7XU	24,255-	217-105-ABCD	NR6E7	18,600- 178- 93-ABCFDE
NR6E7	18,600-	178- 93-ABCFDE	W7TYR	18,584- 191-91-ABCFDE
W7TYR	18,584-	191-91-ABCFDE	N7DB	12,168- 154- 77-A
N7DB	12,168-	154- 77-A	K7CEX	11,590- 190- 81-ABCFDE
K7CEX	11,590-	190- 81-ABCFDE	W7ZI	8,165- 115- 71-AB
W7ZI	8,165-	115- 71-AB	*N7YK	5,335- 96- 55-ABCFDE
*N7YK	5,335-	96- 55-ABCFDE	K7HSJ	4,218- 86- 38-ABCFDE
K7HSJ	4,218-	86- 38-ABCFDE	WA3RMX	2,350- 49- 25-ABCFDE
WA3RMX	2,350-	49- 25-ABCFDE	WA7QH	1,920- 53- 32-ABD
WA7QH	1,920-	53- 32-ABD	NR7U	765- 43- 15-BD
NR7U	765-	43- 15-BD	W7PUA (CN84)	1,701- 42- 21-BD9E
W7PUA (CN84)	1,701-	42- 21-BD9E	WB7UNU	975- 36- 15-ABCFDEGHK
WB7UNU	975-	36- 15-ABCFDEGHK	KATZOI	26,015- 215-121-AB
KATZOI	26,015-	215-121-AB	KB7ES	11,376- 144- 79-AB
KB7ES	11,376-	144- 79-AB	NJ7A	180- 20- 9-B
NJ7A	180-	20- 9-B	KC7UB (KE7WI,WA7ADK,ops)	32,698- 232-134-ABCD
KC7UB (KE7WI,WA7ADK,ops)	32,698-	232-134-ABCD		

<b>Washington</b>			NUTZ	74,090- 428-155-ABCDEF
K7IEY	31,800-	265-120-A	WB7UUP	29,204- 253- 98-ABCFDE
WB7UUP	29,204-	253- 98-ABCFDE	KA7YOU	16,380- 214- 84-ABCFDE
KA7YOU	16,380-	214- 84-ABCFDE	WA7SOU	8,980- 133- 64-ABCFDE
WA7SOU	8,980-	133- 64-ABCFDE	WA7VHW	7,180- 140- 80-AB
WA7VHW	7,180-	140- 80-AB	N7BSN	4,845- 78- 57-ABCD
N7BSN	4,845-	78- 57-ABCD	K7IDX	3,708- 206- 18-B
K7IDX	3,708-	206- 18-B	K7VNU	3,196- 83- 34-ABCFDE
K7VNU	3,196-	83- 34-ABCFDE	K77G	188- 488- 43- 16-AB
K77G	188-	488- 43- 16-AB	WB7ATP	188- 21- 9-B
WB7ATP	188-	21- 9-B	N7NW (+K7ND,K7SOL,K7ST,N7FX)	188,874- 736-223-ABCFDEFI
N7NW (+K7ND,K7SOL,K7ST,N7FX)	188,874-	736-223-ABCFDEFI	KATMOX (+N7CEA,W7WRK)	55,937- 399-131-ABCD
KATMOX (+N7CEA,W7WRK)	55,937-	399-131-ABCD	WB7PEK (+KA7CT)	36,816- 271-118-ABCFDE
WB7PEK (+KA7CT)	36,816-	271-118-ABCFDE		

<b>Wyoming</b>			KG6AO (+WB8FPW)
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KD9WZ 903- 43- 21-B  
 W9CBE 264- 24- 11-B  
 W9UCY9 (+ K0s FVF,GJX,N0s AKL,BSH)  
 348,161- 932-341-ABCDE

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**Colorado**  
 KA0NNO 118,260- 438-270-A  
 W0ETT 63,104- 410-172-ABD  
 WBSJAR 35,532- 252-141-AB  
 W9MHL 21,965- 191-115-A  
 KD0SU 12,441- 143- 87-A  
 K0RZ 11,529- 112- 63-ABCDEFH  
 N0EOQ 11,160- 155- 72-B  
 KB5GY (DM67) 11,125- 125- 89-AB  
 N0CMW 10,744- 130- 68-ABCD  
 KB5GY (DM57) 1,480- 40- 37-AB  
 W0MXY (DM68) 1,334- 37- 29-ABDE  
 W0RTZ 833- 49- 17-B  
 W0MXY (DM87) 468- 20- 13-ABDE  
 W0MXY (DM89) 364- 17- 14-ABDE  
 N0TK 330- 33- 10-B  
 W0MXY (DN80) 275- 14- 11-ABDE  
 \*KA0ZLF (DM69) 270- 21- 9-BD  
 \*KB0CY 261- 29- 9-B  
 W0MXY (DM77) 168- 11- 7-BDE  
 \*KA0ZLF (DM79) 64- 10- 4-BD  
 \*KA0ZLF (DM88) 36- 8- 4-BD  
 W0KEA (+ K0CL,N0s BRI,DVL,ND0E)  
 129,688- 542-232-ABD  
 W0IA (W1XE,KABDXM,KR0U,ops)  
 81,700- 399-190-ABCD  
 KA0VOY (+ N4MBA,K6NIZ,K49s NEH,RBI,  
 KBZCO,KABINE,N0sAJM,GTG,HLW,WB0s  
 GCC,WSI,WD0HNP)  
 17,848- 184- 97-AB

**Iowa**  
 WB0TEM 90,200- 385-200-ABCDE  
 N0GPD 60,788- 342-167-ABD  
 WD0FOY 36,237- 257-141-AB  
 WA0DCB 28,560- 234-112-ABCD  
 K0DAS 23,956- 190-113-ABCD  
 KD0BT 23,760- 220-108-A  
 KA0TLJ 13,275- 225- 59-B  
 WB0RAP 10,340- 82- 55-DE  
 K0VM 9,308- 173- 52-BC  
 N0CIH 5,808- 132- 44-B  
 WB0USU 4,085- 95- 43-BD  
 K0JQA 4,059- 99- 41-B  
 KD0RN 2,655- 59- 45-AB  
 K0GT 2,516- 68- 37-B  
 W0EUG 2,009- 49- 41-A  
 WD0GVY 546- 26- 21-B  
 KA0FTO 180- 15- 12-B  
 WB0VYV (WB0s AGI,AGU,AKB,AKD,AQO,  
 KE0BX,N0HBP,ops)  
 131,208- 555-213-ABDE

**Kansas**  
 N0LL 176,276- 677-254-ABD  
 W0RT 34,704- 214-144-ABD  
 WB0ISW 32,292- 252-117-ABCD  
 K0ZFR 1,770- 59- 30-B  
 K0FPC 1,680- 56- 30-B  
 WD0ABU 1,244- 48- 28-B  
 WB0DRL (+ AB0S,K0WA,KY0O,NO0Y,W8ULC,  
 WA0TKJ)  
 865,488-1414-494-ABCDEFI  
 KO0W (+ WABCFQ)  
 17,510- 163-103-ABD

**Minnesota**  
 KB0ZQ (EN34) 27,775- 238-101-ABD  
 KB0ZQ (EN24) 8,128- 124- 64-ABD  
 W0QIN 3,111- 60- 51-ABD  
 WA0BWE 2,610- 45- 29-D  
 KA0BUZZ (+ KCBP,W0s OHU,VB)  
 68,211- 363-159-ABCDE

**Missouri**  
 K0TLM 217,344- 653-283-ABCDE  
 NJ0X 87,612- 401-196-ABCDE  
 K0FL 56,144- 259-176-ABCDE  
 WB0RP 54,270- 311-162-ABCD  
 N0FQW 51,792- 301-166-ABD  
 N0GRS 25,651- 227-113-AB  
 WB0SKE 4,738- 103- 46-B  
 W0NKO 2,278- 67- 34-B  
 W0FY (+ KA0GGI,KM0A)  
 104,346- 458-198-ABCD

**North Dakota**  
 K0ALL 103,246- 467-209-ABCDE  
 KV0R 45,436- 304-148-ABD

**Nebraska**  
 KC0QR 67,875- 314-181-ABCDE  
 N0AJU 24,069- 213-113-AB  
 WB0J 23,632- 211-112-AB  
 WBKAV 5,888- 92- 64-A  
 WA0BOK 3,200- 64- 50-A  
 N0BQW 2,816- 64- 44-A  
 AE0G 840- 40- 21-B

**South Dakota**  
 WB0ULX 6,864- 100- 66-ABD  
 WB0HHM 5,673- 93- 61-AB

**VE**  
**Maritime-Newfoundland**  
 VE1UT 29,400- 239-120-ABCDE

**Quebec**  
 VE2DUB 20,564- 184- 97-ABDE  
 VE2TH 12,996- 171- 76-A  
 VE2YB 9,956- 131- 76-AB  
 VE2MLS 918- 34- 27-A

**Ontario**  
 VE3ASO 127,908- 464-228-ABCDEFI  
 VE3DDW 68,134- 80-163-ABD  
 VE3EYR 23,548- 180-116-ABCD

VE3KKL 18,000- 160-100-ABD  
 VE3VN 16,068- 156-103-AB  
 VE3SMA 7,695- 107- 57-ABDI  
 VE3LQS 7,275- 97- 75-AB  
 VE3VAL 5,207- 127- 41- B  
 VE3FN 5,040- 77- 48-BDE  
 VE3DSS 960- 26- 24-ABCD  
 VE3VET 825- 55- 15-B  
 VE3ETQ 780- 30- 26-A  
 VE3DJ 476- 26- 14-BD  
 VE3UOT (VE3OHG,op)  
 170- 17- 5-D  
 VE3UOI (VE3OHG,op)  
 160- 16- 5-D  
 VE3EQQ 36- 6- 6-B  
 VE3LNX (+ VE3s ADJ,NSQ)  
 218,900- 608-275-ABCD9EF

**Saskatchewan**  
 VE5LY 11,700- 129- 90-ABD

**Alberta**  
 VE6SW 1,739- 45- 37-ABD  
 VE6BCC 1,360- 40- 34-A  
 VE6AF0 60- 8- 5-BD  
 VE6JW (+ WA2TMC)  
 46,339- 303-149-ABD

**British Columbia**  
 VE7ASI 7,991- 122- 61-ABD  
 VE7VHF (VE7s ACI,CDX,CFV,CIM,FKM,  
 FYC,FZK,JAG,ops)  
 62,208- 412-144-ABDI

**DX**  
 K1FJM/FM (+ WA1AYS)  
 4,984- 89- 56-A  
 XE1FUX/2 (+ NF6L)  
 204,605- 726-271-ABD  
 ZF2BL 2,009- 49- 41-A

**Checklogs**  
 KA1ICR, KA2ICH, WB3DNA, WB4RUA,  
 WB9EEA, VE4IN