

# Results: September 2008 North American CW Sprint

## Boring Amateur Radio Club

Conditions for the 63rd North American CW Sprint last September 7 were similar to those during the February 2008 running, with most stations compiling more QSOs on 80 meters than on 20. Without a doubt, this was due to the nearly spotless sun, which tends to diminish signals on 20 meters but enhance them on the lower bands. Only three stations pulled off a "hat trick" by making at least 100 QSOs on *each* of the three bands.

One of the most telling pieces of data regarding conditions on 20 comes out when looking at the number of California stations that appeared in a few logs. N2IC/5 in New Mexico had only four W6s in his 20 meter log, and N6TR/7 in Oregon had six. Compare this to the previous year's result, when N2IC had 28 of those pesky W6s, while N6TR logged 17. N6TV's totals stand in contrast. Bob is close enough to many of the NCCC stations to work them on ground wave. He actually increased his total from 17 QSOs in 2007 to 24 in

2008. Perhaps this was a significant factor in enabling Bob to achieve his best-ever finish in this contest.

Activity continued to be strong for an event that arrives *before* many ops are ready for the contest season to start. We received 217 logs, just short of the all-time high of 227 set in 2004. Our log-checking software found 343 stations active in the contest, a *lot* more than the 255 we found in the February 2008 running. In February 2004, 383 stations participated.

As you can see, there's a pretty strong correlation between activity and number of logs received. The total number of QSOs is fairly level, however, indicating that *other* factors such as conditions are

### All-Time CW Sprint Records

Highest Multiplier	55	K9AA (K9PG)	Feb-2000
Highest QSO Total	428	N6TR/7	Feb-2005
Highest Single Op Score	21,816	K4AAA (W4AN)	Sep-2003
Highest Team Score	163,373	SCCC #1	Feb-2002
Highest Low Power	15,741	K7RI (K7SS)	Feb-2003
Highest QRP	10,800	K7RI (K7SS)	Feb-2002
Most Logs Received	227		Feb-2004
Most Golden Logs	18		Feb-2008
≥300 Logs Received	52		Feb-2003

probably coming into play. Activity has been growing strongly during the past few events. It will be interesting to see if this trend continues.

### QRP Category

Six brave souls entered in the QRP category this time around. Some of the juicier states showed up here, with KB7Q and WC7S both giving out the rare Wyoming multiplier and WY7N providing Utah. In the

### Top 10 QSOs

N6TR	386
N6TV	372
W6YI	362
N3BB	356
N2IC	351
N0NI	350
N2NT	350
N5KO	347
K5TR	345
N2NL	341

### Top QRP

NN7SS	4641
KB7Q	2523
WC7S	1539
N6WG	476
NB4M	273
W6GMT	180
WY7N	64

### Top Golden Log

W6YX	308
K9BGL	281
K9GY	75
WA3GNW	60
K0KX	23
W4EBA	2

### Top 10 Mults

K5TR	50
N4OGW	50
W4PA	50
K6XX	49
KW8N	49
N6TR	49

### Top 10 Low Power

N9CK	14,928
K7SS	13,728
W2RQ	12,576
K7SV	12,549
N8NA	12,267
KA9FOX	12,240
VE3NE	12,052
K1HT	11,835
N5DO	11,730
VE3DZ	11,660

### Top 10 Band Changes

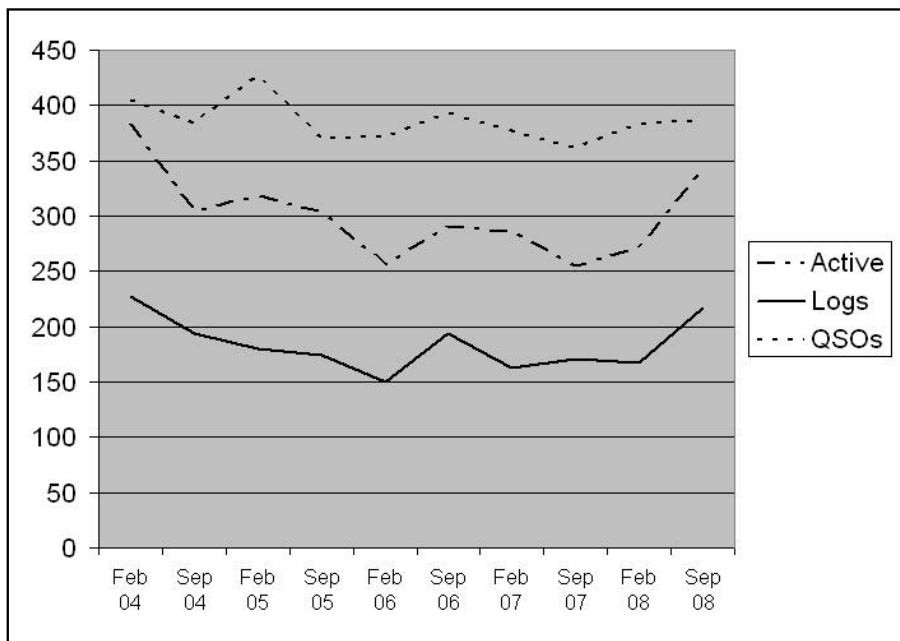
N6TR	167
W4PA	160
N3BB	158
AA3B	139
N4OGW	138
N5KO	138
N2NT	122
W9RE	122
W5KFT	112
N0NI	98

### Top 10

Call Sign	Score	BndChgs	Qs Lost	00Z	01Z	02Z	03Z
N6TR	18,914	167	3	104	95	91	96
N6TV	17,856	34	1	95	94	94	89
W6YI	17,376	76	1	94	91	89	88
K5TR	17,250	56	5	95	83	78	90
N3BB	17,088	158	12	97	93	79	89
W4PA	17,050	160	8	101	84	79	78
N4OGW	16,950	138	4	100	82	78	79
N2IC	16,848	86	3	91	89	80	92
N2NT	16,800	122	3	99	86	86	80
N0NI	16,450	98	3	87	84	84	96

### Top Single Radio

Call Sign	Score	Bnd Chgs	Qs Lost	00Z	01Z	02Z	03Z
K9NW	15,840	8	3	95	82	81	72
N5OT	15,839	2	3	79	89	84	86
K1EA	14,928	8	12	81	84	78	70
K6XX	14,896	2	2	80	81	66	77
K6NA	14,736	4	3	74	65	83	85
N9RV	14,736	2	4	62	100	71	75
N6AA	14,256	2	9	72	66	79	83
K5GO	14,194	2	5	82	78	73	69
W6YX	13,860	2	0	80	73	79	76
N2NC	13,824	6	1	77	75	70	66



**Figure 1** — This graph shows the number of stations active during the past five years, the number of logs received and the total number of QSOs logged by the QSO leader.

end, NN7SS posted the top score. No, this wasn't a call sign used by famous QRP contester K7SS. Rather it was operated by Burt, K6UFO. Gene, KB7Q, and Dale, WC7S, came in second and third, followed by that QRP operator with an attitude, Bob, N6WG. Brock, W6GMT, handed out 18 QSOs from Minnesota, while Bruce, WY7N, made 13 people very happy during the last hour of the contest on 40 meters. Note that Bruce had spent three hours finishing up his AST-3B transmitter (see <http://kd1jv.qrpradio.com/ATS3B/ats3b.HTM>. This URL is case-sensitive — Ed.) Bruce says he likes it better than his Kenwood TS-850S!

### Low Power Category

Competition in the low power category continues to be fierce. Steve, N9CK, operated low power due to some RFI issues, and he posted an outstanding score, blowing away the previous low power record from Wisconsin. Dan, K7SS, had a comfortable margin coming in second place, while Bill, W2RQ, held onto a slim lead for third, just ahead of Larry, K7SV, who almost leveraged his lower error rate to sneak up one position. Karl, N8NA, gave out the Delaware multiplier and took fifth place, narrowly ahead of Scott, KA9FOX. VE3NE, K1HT, N5DO and VE3DZ finished out the top 10. It's rare to only see one station from the South in this list.

### High Power Category

If you take the top 10 high power scores

from February 2008, dissect the bottom three scores (all from the fourth call district), sprinkle in a couple of scores from the Midwest and one from the East Coast and then throw them all up in the air, you might end up with the top 10 from the September 2008 Sprint. Moving up from a fifth place finish, Tree, N6TR, put together four hours with QSO rates above 90 together with 49 multipliers to collect his 12th victory. Bob, N6TV, moved up from third place in February and posted a strong second place finish with a comfortable margin over Dan, N6MJ, operating at W6YI. This put an end to Dan's two-sprint winning streak.

Next, we find two 5-landers: The Gator, N5RZ, at K5TR, and Jim, N3BB, at his own station. Close on Jim's heels were Scott, W4PA, and Tor, N4OGW, operating from Mississippi. Suffering from a lack of short skip on 20 meters pushed N2IC's score down to eighth place, followed by N2NT and AG9A operating at N0NI.

This marked N6TR's 49th showing in the top 10. N2IC is still chasing him with his 38th. N2NT and N5RZ (at K5TR) both checked in with their 27th top 10 showings, and N6TV showed up for the 18th time. W4PA made it for the 15th time, N6MJ for the 13th, AG9A (at N0NI) and N3BB for the

sixth time, and N4OGW for his second time.

### Team Competition

No fewer than seven teams had a full complement of 10 scores, with several others having 9. There is no doubt that the high activity level in this event was a direct result of the efforts made in putting these teams together. The Austin Powers Dashers leveraged four of the top 10 scores to finish ahead of the first team for the Northern California Contest Club. The Southeast Sprint Coalition #1 team came in third, and the Southern California Contest Club #1 team finished fourth. Never before have we seen four team scores above the 130,000 mark.

### Golden Logs

This time only six logs made it unscathed through rigorous log checking, and only two of those logs had more than 100 QSOs. Congratulations to Mike, N7MH (at W6YX), who turned in a golden log with 308 QSOs, and Karl, K9BGL, with 281. Also making the list were K9GY, WA3GNW, K0KX and W4EBA.

### Records

A number of new records made good use of the red ink this time around. Doug, K1DG, bested his 2007 Maine high power record from N1LI. Karl, N8NA/3, updated his low power Delaware record from six years earlier, while Don, W4OC, did the same from South Carolina. Both the high power and low power records for Mississippi were pushed up by their respective owners — Tor, N4OGW/5, and Ray, WQ5L.

Stan, K5GO, improved his high power record from Arkansas that had been on the books for eight years. It was only a matter of time before Pat, N9RV/7, made his presence known in Montana — erasing the high power record that AB7BG set 12 years earlier. There was a shootout in



**Figure 2** — Ralph, N5RZ, at the helm of K5TR.

Wyoming in the QRP category, with KB7Q ending up ahead of WC7S. Both of their scores eclipsed the old record that WC7S set in 2003. N9CK's low power score demolished the old record for Wisconsin, held by K9PG from 1999. Mark, AG9A, pushed up his low record from N0NI in the high power category and Pete, WW2Y/Ø, turned on his amp to set a new high power mark for Nebraska, erasing the one set in 1991 by KVØI.

### Next Time

The next CW Sprint will take place February 8 UTC (Saturday, February 7, local time in North America). For team registration, use the NCJ Web page, [www.ncjweb.com](http://www.ncjweb.com). Participants may submit logs via e-mail to [cwsprint@kkn.net](mailto:cwsprint@kkn.net) or by using the log submission form on the NCJ Web site. *Logs are due seven days after the contest!* Final scores are typically posted within two weeks of the contest and announced on the CQ-Contest e-mail reflector as well as on the NCJ Web site.

Check out the Web resources at <http://n6tr.jzap.com/sprint.html> and rules, records and previous results on the NCJ Web page, [www.ncjweb.com](http://www.ncjweb.com). The CQ-Contest reflector is also a great place to ask questions about this event (see <http://lists.contesting.com/mailman/listinfo/CQ-Contest> for additional information about this resource).

### Soapbox

My best sprint in a while due to good mults. Heard, but did not work, KS, NE and AL and never heard MO. — KØOU

It was great to hear VE5MX again and also WDØT. I was surprised that each hour was better than the previous one: 54, 65, 67, and 78. Eighty meters is seldom my best band. — K1HT

Just handing out some QSOs with a 12-foot inverted L for 20, my wife's feather duster for support and 100 W. — K2KW

Missed KY as usual. Activity and conditions were good, especially on 40 and

80. — K4FXN

Rain static from the remains of Hurricane Hannah. Amplifier relay failed in the first hour, so I was forced to go with a single radio for the rest of the contest. Actually, I think it helped my rate to just stay focused on one radio. — K5ZD

It wasn't until I switched to 40 that I realized how poor 20 had been. Those strong East Coast stations and a few strong Midwest stations had fooled me into thinking the band was wide open. — K6NR

Lots of gripes about 20 meter conditions. Signals I heard were loud, but I ran out of stations to work after an hour. Made more than half of my Qs on 40 meters — not normal, but a good time nonetheless. — K6ZH

Finally decided to use "LAR" in place of "LARRY" I figure that anything I saved in dropping two letters was lost in repeat requests! — K7SV

I was working in Yellowstone Park for the

### Team Score Summary

Austin Powers Dashers		Northern California Contest Club #1		Southeast Sprint Coalition #1		Southern California Contest Club #1	
N6TR	18,914	N6TV	17,856	W4PA	17,050	W6YI	17,376
K5TR	17,250	N5KO	16,309	N2NL	16,027	K6NA	14,736
N3BB	17,088	K6XX	14,896	N4AF	15,744	N6AA	14,256
N4OGW	16,950	N6RO	14,674	K4RO	14,993	K6LA	13,912
K5GO	14,194	W6YX	13,860	W4OC	13,776	AC6T	13,489
W5KFT	14,112	W6OAT	13,818	N4OX	12,596	W6EEN	13,442
K5OT	13,152	N6XI	13,392	KU8E	11,340	N6VR	13,019
K5WA	12,276	K6AW	13,254	K4FXN	11,308	K6ZH	10,260
W0BH	11,653	W6RGG	11,844	N4PN	10,534	K6NR	99,88
WQ5L	11,475	W7RN	10,755	K1ZZI	9374	XE2GG	9636
<b>Total</b>	<b>147,064</b>	<b>Total</b>	<b>140,658</b>	<b>Total</b>	<b>132,742</b>	<b>Total</b>	<b>130,114</b>

- 5. SMC #1 (W9RE, N9CK, K9BGL, KA9FOX, K0OU, K9MMS, K9CT, K8GU, K9ZO, N9FC) 104,995
- 6. YCCC #1 (K5ZD, K1KI, N1LI, K1HT, N2GC, N1BAA, W1EBI, K1GU, W1JQ, W1WEF) 102,924
- 7. NCCC #2 (K6RB, W0YK, NI6T, K9YC, N6DE, W6SX, K6SRZ, NW6P, K6MM, N6EE) 91,674
- 8. CCO (VE3EJ, VE3NE, VE3DZ, VA3NR, VE3EY, VE3XB, VE3UTT, VE3KI, VE3RCN) 80,550
- 9. MR/NC (K9NW, N5OT, N9RV, K8MR, KL7WV, KL7RA, W8CAR, WW3S, K2KW) 76,375
- 10. FRC (N2NT, AA3B, N2NC, W2RQ, WW2Y, K3MD) 75,251
- 11. Austin Ditters (K5NZ, N5DO, W5WMMU, KG5U, K5MR, AC5AA, W5ZL) 56,044
- 12. Corner Pocket (K7SS, K7RL, W7WHY, NG7Z, K7WA, NN7SS, WC7S) 54,409
- 13. SMC #2 (N0NI, WI9WI, WO9S, N9HZ, WW9R, K9GY, K9ZT) 45,808
- 14. Snowcats (N2IC, KO7X, W0ETT, AC0DS, K0UK) 42,679
- 15. YCCC #2 (K1EA, KM3T, K1AR, K2KQ) 42,015
- 16. MWA (K0AD, NA0N, N0AT, WA0MHJ, WG0M) 38,554
- 17. SCCC #2 (W4EF, N6KI, W6TK, KQ6ES, NE6I) 33,538
- 18. NCCC #3 (K6VVA, K6LRN, NO6X, W6NF, N6EEB, K6NV, KA3DRR, N6WG, K6CSL) 27,844
- 19. SSC #2 (K4BAI, N2WN, NA4BW, W4AU) 25,385
- 20. CADXA (N7CW, N7FO, AA4Q) 24,823
- 21. AVRA (KN3A, W3WC) 2,364

### Guest Operators

AC6T	@W6RFU
K3CR	LZ4AX
K5OT	@K5NA
K5TR	N5RZ
K5XR	W5ASP
K6AW	@W6CS
KL7WV	W3YQ
N0NI	AG9A
N1LI	K1DG
N5KO	@W6NL
N6DE	@K6TD
N6EEB	WT6K
N7FO	KN5H
N8SR	@N8JI
NN7SS	K6UFO
W4EF	@W6UE
W5KFT	K5PI
W6YI	N6MJ
W6YX	N7MH
W7RN	W6EU
XE2GG	N6AN

summer and was sprinting with a wire hung off a pine tree! This was a tough contest for QRP — 20 meters just didn't work out. — KB7Q

Lots of activity accounted for more mults than usual. — KV8Q

I inadvertently inverted the Sprint QSY rule, consistently QSYing 5 kHz before calling someone but only 1 kHz before CQing. — N4ZR

Four days prior to contest was involved in pretty serious motorcycle accident. Still pretty doped up on painkillers during the contest. — N5VI

I tried using *CW Skimmer*, but it didn't find me any mults. — N6TV

Just couldn't hack the full four hours. My garage was just too hot, and I couldn't hold things together. Things should be cooler for the SSB run. — N6WG

Extreme contesting! An extremely quick four hours of modulated mayhem. — N8NA

Best-ever performance in the Sprint. I was pumped up to break my record, and I pummeled it. — NG7Z

My best QRP Sprint CW so far! Calling CQ wasn't very lucky, usually no answers, or someone else would take the frequency. Search and pounce worked well, getting through maybe one-third of the time. — NN7SS

Operated from my summer QTH with limited time and antennas and the worst radio I ever used. Conditions seemed pretty good though, with no QRN despite hurricane remnants. — W1WEF

I have not done a Sprint in a few years, and it showed! The first two hours were really rough. I just about threw in the towel but kept going. Eighty turned out to be the best band, hands down! — WD0T

A good shakedown for Sweepstakes. — WO9S

Murphy was with me this time in the form of software problems. My program would get stuck while sending the exchange, so I couldn't enter data. Then it would freeze while sending the "TU" message. I could not get a good rhythm going. It was still fun to be active from Mexico and to be a multiplier. — XE2GG

QTH	Pwr	Event	Call Sign	20	40	80	QSOs	Mults	Score
NJ	H	Feb 2003	N2NT	88	158	134	380	51	19,380
NJ	L	Feb 1999	K2SQ	94	101	85	280	46	12,880
NJ	Q	Feb 2008	KR2Q	24	56	31	111	31	3441
NY	H	Feb 2002	K2UA	113	123	85	321	50	16,050
NY	L	Sep 2004	K2KQ	80	94	56	230	46	10,580
NY	Q								
DE	H	Sep 1989	KN5H	98	102	72	272	46	12,512
DE	L	Sep 2008	N8NA	46	135	80	261	47	12,267
DE	Q	Sep 1999	N3DEL	6	1	0	7	5	35
MD	H	Sep 1989	W3LPL	120	110	80	310	47	14,570
MD	L	Sep 2002	K3MM	95	95	71	261	40	10,440
MD	Q	Sep 2002	K3ESE	19	35	0	54	17	918
PA	H	Sep 2004	K3NM (N2NC)	131	116	91	338	49	16,562
PA	L	Sep 2003	W1NN	87	83	59	229	46	10,534
PA	Q	Sep 2007	K3MJW	7	27	49	83	27	2241
AL	H	Feb 2004	K4NO	115	98	67	280	48	13,440
AL	L	Sep 2003	K4IQJ	70	89	60	219	44	9636
AL	Q	Feb 1998	KJ3V	0	8	0	8	7	56
FL	H	Feb 2003	N2NL	151	139	67	357	55	19,635
FL	L	Sep 2003	K0LUZ	118	132	0	250	47	11,750
FL	Q	Sep 1999	N4BP	119	51	0	170	34	5780
GA	H	Sep 2003	K4AAA (W4AN)	146	170	88	404	54	21,816
GA	L	Feb 2003	KU8E	42	124	81	247	48	11,856
GA	Q	Sep 2007	NA4BW	24	38	38	100	34	3400
KY	H	Sep 1998	K4LT	82	107	92	281	44	12,364
KY	L	Feb 2002	K4FXN	103	98	53	254	45	11,430
KY	Q								
NC	H	Sep 2003	N4AF	98	129	115	342	49	16,758
NC	L	Feb 1995	K7GM	73	101	69	243	45	10,935
NC	Q	Feb 1998	W4WS (N4VHK)	13	23	13	49	24	1176
SC	H	Sep 2008	W4OC	80	110	97	287	48	13,776
SC	L	Sep 2003	W4OC	87	92	116	295	50	14,750
SC	Q								
TN	H	Sep 2003	W4PA	134	163	96	393	51	20,043
TN	L	Sep 2003	K4AMC	77	127	66	270	47	12,690
TN	Q								
VA	H	Sep 1989	KT3Y	95	122	79	296	48	14,208
VA	L	Feb 2003	K7SV	84	101	115	300	52	15,600
VA	Q	Sep 2007	WA4PGM	38	54	50	142	36	5112
AR	H	Sep 2008	K5GO	84	123	95	302	47	14,194
AR	L	Sep 2007	K5GO	99	82	78	259	44	11,396
AR	Q								
LA	H	Feb 1995	W5WMU (K5GA)	105	115	86	306	48	14,688
LA	L	Feb 2004	W5EKF	43	67	18	128	40	5120
LA	Q	Sep 2007	KC5R	95	66	17	178	39	6942
MS	H	Sep 2008	N4OGW	90	139	110	339	50	16,950
MS	L	Sep 2008	WQ5L	82	111	62	255	45	11,475
MS	Q	Feb 2002	WA2NYR	30	16	0	46	26	1,196
NM	H	Feb 2003	N6ZZ	133	153	65	351	52	18,252
NM	L	Feb 2008	AA5B	85	101	95	284	42	11,928
NM	Q	Feb 2002	W5YA	121	75	28	224	42	9,408
OK	H	Sep 2003	K3LR	131	133	88	352	48	16,896
OK	L	Sep 1998	K5KA	79	89	62	230	40	9,200
OK	Q	Sep 2004	K5KA	91	69	52	212	43	9,116
TX	H	Feb 2000	N5TJ	148	137	96	381	52	19,812
TX	L	Sep 1998	N5TJ	141	111	80	332	46	15,272
TX	Q	Feb 2000	KG5U	122	60	22	204	47	9,588
CA	H	Feb 2003	W6EEN (N6RT)	150	147	81	378	54	20,412
CA	L	Feb 2004	N6MJ	106	158	77	341	50	17,050
CA	Q	Feb 2002	K6III	122	27	4	153	48	7,344
AK	H	Feb 2000	KL9A	139	63	0	202	47	9,494
AK	L	Sep 2007	K6VVA/KL7	68	30	18	116	34	3,944
AK	Q	Sep 2003	N6TR/KL7	1	0	0	1	1	1
AZ	H	Feb 2000	K6LL	178	144	42	364	50	18,200
AZ	L	Feb 2008	N7CW	61	109	98	268	43	11,524
AZ	Q	Feb 2008	KB7Q	61	51	2	114	37	14,218
ID	H	Feb 2000	W7ZRC	123	107	44	27	445	12,330
ID	L	Feb 2001	W7UQ (KL9A)	144	88	44	276	48	13,248
ID	Q								
MT	H	Sep 2008	N9RV	62	168	77	307	48	14,736
MT	L	Feb 1998	K7BG	79	105	89	273	43	11,739

**CW Sprint Records Through September 2008**

QTH	Pwr	Event	Call Sign	20	40	80	QSOs	Mults	Score
CT	H	Sep 2003	K1KI	153	132	84	369	50	18,450
CT	L	Sep 1999	NT1N	122	115	43	280	49	13,720
CT	Q								
MA	H	Feb 2003	K5ZD	136	144	85	365	54	19,710
MA	L	Feb 2003	K1HT	72	106	114	292	50	14,600
MA	Q	Sep 2003	NB1B	75	29	3	107	33	3531
ME	H	Sep 2008	N1LI (K1DG)	88	122	84	294	47	13,818
ME	L	Sep 2006	N1LI (K1DG)	89	106	49	244	43	10,492
ME	Q								
NH	H	Feb 2003	K1DG	129	119	83	331	50	16,550
NH	L	Feb 2002	K1BX	131	76	62	269	47	12,643
NH	Q	Feb 2003	AB1AV	2	0	0	2	2	4
RI	H	Feb 2002	K1JG	122	95	93	310	47	14,570
RI	L	Feb 2004	AJ1M	7	6	0	13	13	169
RI	Q	Sep 2006	KO1H	10	8	0	18	9	162
VT	H	Feb 2004	NT1Y (W4PA)	116	175	47	338	48	16,224
VT	L	Sep 1999	W1EAT	38	33	33	104	35	3640
VT	Q	Sep 2004	WT1L	18	2	18	38	21	798



Table with columns: Call Sign, Name, QTH, 20, 40, 80, QSO, Mult, Score, Team. Includes rows for LY, OH, ON, P4, PY, UA9, UN, VK, ZD8, ZS.

Score Summary

Table with columns: Call Sign, Name, QTH, 20, 40, 80, QSO, Mult, Score, Team. Contains a large list of entries with various call signs and team names like N6TV, N6KI, N6W, etc.

Call Sign	Name	QTH	20	40	80	QSO	Mult	Score	Team	Call Sign	Name	QTH	20	40	80	QSO	Mult	Score	Team		
K5OT	LARRY	TX	88	124	62	274	48	13152	Austin Dashers	W6NF	*JACK	NV	0	20	39	59	23	1357	NCCC #3		
K5WA	BOB	TX	78	116	85	279	44	12276	Austin Dashers	AA4Q	*BILL	AZ	14	37	0	51	25	1275	CADXA		
N5DO	*DAVE	TX	50	123	82	255	46	11730	Austin Ditters	N6TW	LARRY	OR	4	4	3	11	8	88			
WQ5L	*RAY	MS	82	111	62	255	45	11475	Austin Dashers	KW8N	BOB	OH	97	93	76	266	49	13034			
W5WMMU	PAT	LA	74	100	60	234	46	10764	Austin Ditters	K8MM	*IAN	MI	56	78	102	236	45	10620			
KG5U	*DALE	TX	40	96	70	206	43	8858	Austin Ditters	N8SS	*EARL	MI	66	67	75	208	43	8944			
K5MR	STEVE	TX	71	89	11	171	42	7182	Austin Ditters	KV8Q	*TOM	OH	58	53	86	197	45	8865			
K5XR	JOE	TX	86	97	0	183	36	6588	Austin Ditters	N8EA	*JOE	MI	11	79	103	193	45	8685			
K7IA	*DAN	NM	21	82	17	120	34	4080	Austin Ditters	N4ZR	PETE	WV	51	144	0	195	40	7800			
AC5AA	*DUANE	TX	22	24	18	64	27	1728	Austin Ditters	K8MR	*JIM	OH	67	69	26	162	45	7290	MR/NC		
W5ZL	*GARY	TX	5	42	8	55	26	1430	Austin Ditters	W8CAR	*DAN	OH	34	37	53	124	38	4712	MR/NC		
N6TV	BOB	CA	115	147	110	372	48	17856	NCCC #1	N8SR	*STEVE	MI	13	80	0	93	35	3255			
W6YI	JIM	CA	105	159	98	362	48	17376	SCCC #1	AJ1M	JAY	WV	6	32	52	90	35	3150			
N5KO	TREY	CA	107	153	87	347	47	16309	NCCC #1	K2KW	*KENNY	OH	61	7	0	68	22	1496	MR/NC		
K6XX	BOB	CA	92	122	90	304	49	14896	NCCC #1	K9NW	MIKE	IN	82	124	124	330	48	15840	MR/NC		
K6NA	PHIL	CA	109	107	91	307	48	14736	SCCC #1	W9RE	MIKE	IN	98	119	110	327	47	15369	SMC #1		
N6RO	KEN	CA	102	138	79	319	46	14674	NCCC #1	N9CK	*STEVE	WI	70	126	115	311	48	14928	SMC #1		
N6AA	DICK	CA	98	117	82	297	48	14256	SCCC #1	K9BGL	KARL	IL	68	111	102	281	45	12645	SMC #1		
K6LA	KEN	CA	83	141	72	296	47	13912	SCCC #1	KA9FOX	*SCOTT	WI	62	119	91	272	45	12240	SMC #1		
W6YX	MIKE	CA	103	100	105	308	45	13860	NCCC #1	WI9WI	JIM	WI	72	112	68	252	45	11340	SMC #2		
W6OAT	RUSTY	CA	88	139	67	294	47	13818	NCCC #1	K9MMS	*GARY	IL	76	82	67	225	46	10350	SMC #1		
AC6T	STEVE	CA	77	140	70	287	47	13489	SCCC #1	K9CT	CRAIG	IL	56	104	75	235	42	9870	SMC #1		
W6EEN	DOUG	CA	55	150	81	286	47	13442	SCCC #1	K8GU	*BOB	IL	45	88	82	215	45	9675	SMC #1		
N6XI	RICK	CA	60	137	82	279	48	13392	NCCC #1	W09S	*JON	WI	71	75	60	206	38	7828	SMC #2		
K6AW	STEVE	CA	69	144	69	282	47	13254	NCCC #1	K9QVB	*JOHN	WI	51	105	0	156	42	6552			
N6VR	RAY	CA	77	131	69	277	47	13019	SCCC #1	N9HZ	*BOB	IN	29	53	41	123	40	4920	SMC #2		
K6RB	ROB	CA	83	106	83	272	47	12784	NCCC #2	K9ZO	*RALPH	IL	28	51	41	120	38	4560	SMC #2		
W0YK	ED	CA	82	113	75	270	44	11880	NCCC #2	N9FC	*JOHN	IN	1	40	58	99	32	3168	SMC #1		
W6RGG	BOB	CA	67	112	73	252	47	11844	NCCC #1	WW9R	*PAT	WI	14	39	28	81	30	2430	SMC #2		
N16T	GARRY	CA	70	92	78	240	44	10560	NCCC #2	N9SI	*DWIGHT	WI	28	32	23	83	28	2324			
K9YC	JIM	CA	63	105	61	229	46	10534	NCCC #2	K8ZZV	*KEN	WI	10	39	24	73	31	2263			
N6DE	DEAN	CA	86	125	24	235	44	10340	NCCC #2	K9GY	*PALIN	IL	29	46	0	75	28	2100	SMC #2		
K6ZH	*JIM	CA	64	118	46	228	45	10260	SCCC #1	K9OZ	*BRUCE	IL	0	30	23	53	29	1537			
K6NR	DANA	CA	101	85	41	227	44	9988	SCCC #1	A14AW	*CHRIS	WI	0	29	13	42	25	1050			
K6VVA	RICK	CA	76	82	67	225	44	9900	NCCC #1	K9ZT	*BUD	WI	1	36	0	37	20	740	SMC #2		
W4EF	MIKE	CA	34	114	68	216	45	9720	SCCC #2	W9OA	*GEORGE	IL	0	0	28	28	18	504			
W6SX	HANK	CA	40	84	84	208	45	9360	NCCC #2	N0NI	ED	IA	108	134	108	350	47	16450	SMC #2		
K6SRZ	ALAN	CA	67	71	64	202	46	9292	NCCC #2	K0AD	AL	MN	78	119	87	284	44	12496	MWA		
K6LFRN	DICK	CA	44	102	41	187	48	8976	NCCC #3	K0OU	STEVE	MO	52	132	81	265	46	12190	SMC #1		
N6KI	TOM	CA	61	98	46	205	43	8815	SCCC #2	W0BH	BOB	KS	62	118	91	271	43	11653	Austin Dashers		
W6TK	DICK	CA	66	80	39	185	44	8140	SCCC #2	NA0N	*PAT	MN	39	112	93	244	47	11468	MWA		
NW6P	TOM	CA	58	63	55	176	40	7040	NCCC #2	WD0T	TODD	SD	30	107	116	253	45	11385			
K6MM	JOHN	CA	52	74	32	158	40	6320	NCCC #2	WW2Y	PETER	NE	57	101	98	256	42	10752	FRC		
KQ6ES	*JOHN	CA	37	58	19	114	36	4104	SCCC #2	N0AT	*RON	MN	70	95	84	249	43	10707	MWA		
N6EE	*RON	CA	47	35	26	108	33	3564	NCCC #2	W0ETT	*KEN	CO	16	124	67	207	41	8487	Snowcats		
NO6X	*KEN	CA	47	34	15	96	35	3360	NCCC #3	AC0DS	*CRAIG	CO	5	89	33	127	37	4699	Snowcats		
NE6I	*DENNIS	CA	29	60	0	89	31	2759	SCCC #2	K0UK	*BILL	CO	17	27	33	77	31	2387	Snowcats		
K6III	*JERRY	CA	24	26	24	74	33	2442	NCCC #3	WA0MHJ	MARK	MN	41	35	0	76	28	2128	MWA		
N6EEB	AL	CA	13	34	8	55	24	1320	NCCC #3	WG0M	*MIKE	MN	12	27	26	65	27	1755	MWA		
K6NV	BOB	CA	21	18	10	49	26	1274	NCCC #3	N9HDE	*SCOTT	IA	15	43	1	59	26	1534			
KA3DRR	*SCOT	CA	4	26	10	40	24	960	NCCC #3	K0MPH	*ROGER	MN	2	16	2	20	15	300			
N6WQ	**BOB	CA	19	9	0	28	17	476	NCCC #3	K0KX	*MARK	MN	6	3	14	23	12	276			
K6CSL	*BERT	CA	10	7	0	17	13	221	NCCC #3	W6GMT	**BROCK	MN	0	15	0	15	12	180			
N6TR	TREE	OR	99	166	121	386	49	18914	Austin Dashers	K0HW	*JIM	SD	1	0	0	1	1	1			
N9RV	PAT	MT	62	168	77	307	48	14736	MR/NC	VE3EJ	JOHN	ON	89	101	95	285	45	12825	CCO		
K7SS	*DAN	WA	65	138	83	286	48	13728	Corner Pocket	VE3NE	*LALI	ON	75	73	114	262	46	12052	CCO		
N7CW	BUD	AZ	73	120	87	280	45	12600	CADXA	VE3DZ	*YURI	ON	75	88	102	265	44	11660	CCO		
K07AA	BILL	AZ	75	137	61	273	46	12558	NCCC #1	VA3NR	CHRIS	ON	53	113	75	241	48	11568	CCO		
K4XU	*DICK	OR	64	92	85	241	48	11568	NCCC #1	VE3EY	*NICK	ON	66	82	81	229	45	10305	CCO		
N7FO	STEVE	AZ	68	106	64	238	46	10948	NCCC #1	VE3XB	*YURI	ON	50	101	88	239	43	10277	CCO		
W7RN	JIM	NV	27	129	83	239	45	10755	NCCC #1	VE3JM	*VLAD	ON	31	79	79	189	41	7749			
K7RL	*ED	WA	60	102	69	231	46	10626	NCCC #1	VE3JUT	ART	ON	54	86	41	181	36	6516	CCO		
K07X	AL	WY	78	118	27	223	46	10258	Corner Pocket	VE5MX	TODD	SK	31	112	0	143	40	5720			
W7WHY	TOM	OR	54	96	72	222	43	9546	Corner Pocket	VE3KI	*RICH	ON	14	67	31	112	34	3808	CCO		
NG7Z	*PAUL	WA	66	104	39	209	41	8569	Corner Pocket	VE3RCN	*KEVIN	ON	19	11	27	57	27	1539	CCO		
K7BG	*MATT	MT	8	99	68	175	37	6475	Corner Pocket	VE3MM	RICK	ON	18	15	0	33	16	528			
KL7WV	TIM	AK	102	60	0	162	39	6318	MR/NC	XE2GG	REX	XE	33	115	71	219	44	9636	SCCC #1		
KL7RA	RICH	AK	101	42	11	154	38	5852	MR/NC												
K7WA	*JIM	WA	30	87	27	144	40	5760	Corner Pocket												
NN7SS	**BURT	WA	48	63	8	119	39	4641	Corner Pocket												
N7WA	*MIKE	WA	11	64	36	111	33	3663	Corner Pocket												
KN7T	*MARK	WA	51	42	12	105	32	3360	Corner Pocket												
KB7Q	**GENE	WY	1	78	8	87	29	2523	Corner Pocket												
WC7S	**DALE	WY	1	35	21	57	27	1539	Corner Pocket												