

# Results: North American Sprint, CW —February 2011

The 68<sup>th</sup> CW Sprint took place February 6. With 244 stations participating, activity was slightly higher than it was last September but down from the February 2010 running, when we received 291 entries. We hope this represents an aberration instead of a trend. For the first time in CW Sprint history, no new records were set in any category.

If you check the contest calendar, you'll find some kind of Sprint-style event nearly any weekend. In addition, the Northern California Contest Club (NCCC) has increased Sprint awareness with its weekly NS Ladder and occasional slow-speed Sprint-style events. The NCCC events have certainly introduced new operators the Sprint concept, and this is helping to attract new blood.

Teams continue to be one of the best ways to improve activity. Finding 10 operators and twisting their arms to get on for the event really starts making an impact as the number of teams grows. If you want to do your part to promote activity, sponsoring a team is a straightforward way to do this.

## QRP

Only four stations running 5 W or less submitted logs. Scott, KA9FOX, continued his dominance in this category, logging 217 QSOs and 37 multipliers. Burt, NN7SS, achieved the second-place score, posting 145 QSOs and 39 multipliers. Riley, K4ORD, came in third with 66 QSOs, mostly on 80 meters, while "Duck," N8XX, elevated Sprint masochism to a new level by using the call sign N1L and torturing 15 operators during the Sprint's first hour. Congratulations to all of these fine operators who dared to enter into battle armed so minimally armed.

## Low Power

Last September, we asked who would be fortunate enough to finally end the six-Sprint winning streak of Steve, N9CK, in the Low Power category. The answer is Colin "Bob" Jenkins, KU5B. He was able to squeeze out 22 more QSOs on 20 meters than Steve did, and that turned out to be a comfortable enough margin to knock Steve into second place. Coming in third was Matt, K7BG, while Dave, N5DO, took fourth with a score of more than 10,000 points. Rounding out the Top 10 LP were

## Scoring Summary

Call Sign	Name	QTH	20	40	80	QSO	Mults	Score	Team
K1KI	TOM	CT	54	91	140	285	43	12,255	
K1EA	KEN	MA	41	109	117	267	42	11,214	
K1DG	DOUG	NH	29	100	80	209	38	7942	
W1EBI	GEO	MA	18	88	89	195	36	7020	
W1UJ	JAY	MA	12	66	105	183	37	6771	
K5ZD	RANDY	MA	42	77	0	119	34	4046	
W1WBB	*BILL	RI	8	51	50	109	32	3488	
W1WEF	JACK	CT	17	80	0	97	31	3007	
K1AR	JOHN	NH	0	15	0	15	12	180	
N2NT	ANDY	NJ	57	116	133	306	42	12,852	FRC
N2NC	JOHN	NJ	34	95	117	246	42	10,332	FRC
W2RQ	BILL	NJ	0	0	65	65	28	1820	FRC
AA3B	BUD	PA	47	113	131	291	42	12,222	FRC
NO3M	*TY	PA	29	81	113	223	40	8920	MRRC/NCC #1
K3TN	JOHN	MD	10	89	116	215	41	8815	PVRC
K3MD	JOHN	PA	33	54	91	178	34	6052	Ad Hoc
K8GU	*BOB	MD	4	59	95	158	38	6004	MRRC/NCC #1
N3SD	*GREG	PA	1	31	97	129	37	4773	MRRC/NCC #2
W3KB	*KEITH	PA	10	53	68	131	35	4585	FRC
VVW3S	*JIM	PA	19	36	52	107	32	3424	MRRC/NCC #1
N8NA	*KARL	DE	10	23	63	96	34	3264	
WA3AAN	GRANT	PA	4	31	10	45	24	1080	
ND3R	*PAUL	PA	0	16	24	40	19	760	
K3UA	*PHIL	PA	0	4	0	4	3	12	MRRC/NCC #2
K4RO	KIRK	TN	55	108	133	296	43	12,728	Ad Hoc
N4AF	AL	NC	36	117	130	283	42	11,886	Ad Hoc
K4BAI	JOHN	GA	59	98	114	271	41	11,111	SECC #1
W4NZ	TED	TN	45	88	128	261	41	10,701	Ad Hoc
K1TO	DAN	FL	31	103	105	239	42	10,038	
N4ZZ	DON	TN	66	83	113	262	38	9956	
KE3X	KEN	VA	32	89	119	240	41	9840	PVRC
KØEJ	MARK	TN	36	82	125	243	40	9720	SECC #1
K1ZZI	RALPH	GA	38	83	111	232	39	9048	SECC #1
W4OC	*DON	SC	30	59	129	218	40	8720	Ad Hoc
KU8E	*JEFF	GA	23	77	103	203	41	8323	SECC #1
N4DW	DAVE	TN	18	73	116	207	40	8280	SECC #2
K7SV	*LAR	VA	4	88	108	200	41	8200	SECC #1
NA4K	*STEVE	TN	44	43	108	195	41	7995	
K2SX	DENNIS	SC	12	66	113	191	41	7831	SECC #1
W4AU	JOHN	VA	14	67	107	188	39	7332	SECC #1
K4QPL	JIM	NC	29	42	102	173	41	7093	SECC #1
N4PN	*PAUL	GA	23	50	101	174	39	6786	SECC #2
KY4F	*DOUG	AL	0	66	109	175	36	6300	SECC #1
WF7T	*BRAD	TN	13	50	87	150	35	5250	
K1GU	*NED	TN	0	51	88	139	35	4865	SECC #2
N5VI	*VAN	GA	4	49	73	126	36	4536	SECC #1
AD4EB	JIM	TN	24	68	38	130	32	4160	
K4ORD	**RILEY	VA	0	9	57	66	30	1980	
K8NZ	*RON	FL	0	0	13	13	10	130	MRRC/NCC #2
WR1Q	LYLE	TN	0	11	1	12	5	60	
N2IC	STEVE	NM	83	146	134	363	44	15,972	Outlaws
N5RZ	GATOR	TX	65	137	118	320	43	13,760	Outlaws
N3BB	JIM	TX	68	127	116	311	44	13,684	Snowmen
W5KFT	ROB	TX	65	116	116	297	42	12,474	
K5MR	STEVE	TX	65	82	127	274	42	11,508	Snowmen
N5DX	KEVIN	AT	66	94	110	270	41	11,070	
KU5B	*BOB	TX	64	110	101	275	40	11,000	Snowmen
K5WA	BOB	TX	60	117	105	282	39	10,998	Snowmen
K5TR	GEO	TX	50	113	116	279	38	10,602	Snowmen
N5DO	*DAVE	TX	51	85	108	244	41	10,004	Snowmen
WQ5L	*RAY	MS	34	93	101	228	41	9348	Snowmen
NO5W	*CHUCK	TX	32	46	77	155	35	5425	Snowmen
K3LR	*TIM	OK	0	37	0	37	11	407	MRRC/NCC #2
N5KO	TREY	CA	92	147	131	370	45	16,650	NCCC #1
W6YI	JIM	CA	82	146	135	363	43	15,609	SCCC #1
N6TV	BOB	CA	71	137	128	336	44	14,784	NCCC #1
N6RT	DOUG	CA	69	122	104	295	44	12,980	SCCC #1
N6RO	KEN	CA	71	122	108	301	43	12,943	NCCC #1
W6YX	MIKE	CA	87	106	105	298	41	12,218	NCCC #1
N6XI	RICK	CA	63	110	113	286	42	12,012	NCCC #1
K6LA	KEN	CA	77	108	105	290	40	11,600	SCCC #1

N7CW, WQ5L, N6ZFO, K6ZH, WØETT and NO3M, respectively.

### High Power

The High Power category bucked the trend of knocking off the reigning champion. Trey, N5KO/6, pulled off the "hat trick" by winning his third consecutive CW Sprint. Only three other operators — K5ZD, N5TJ and N6TR — have done this before. Trey was able to make the most number of QSOs and have the highest multiplier total — a combination that made his margin of victory about 14 QSOs. That's *huge*, given the fierce competition. Coming in second was Steve, N2IC/5, with an extra multiplier more than Dan, N6MJ, who piloted W6YI to the same 363 QSOs that Steve posted. Bob, N6TV, compiled a very impressive score in the non-mountaintop category, coming in fourth. It is interesting to note that Bob also took fourth place in the very *first* CW Sprint, back in September 1977. Fifth place went to Tree, N6TR/7, followed by The Gator, N5RZ, who is starting to have some real antennas at his new station site. Jim, N3BB/5, came in seventh, followed by Pat, N9RV/7, in Montana.

Doug, N6RT, may have been the most overjoyed person to make the Top 10 using the more modest station at N6WIN. His previous Top 10 efforts were achieved with the help of the W6EEN station. Unfortunately, the W6EEN station is now gone, since Don became a Silent Key two years ago. Dave, K6LL/7, returned to the Top 10 for the 25<sup>th</sup> time, tying with Ken, N6RO, for 10th place. It's worth noting that six of the Top 10 were using call signs from different call districts than the ones in which they operated. Perhaps even more remarkable is that all Top 10 scores were generated west of the Mississippi River, half of them coming from California alone.

### Team Competition

The NCCC #1 team posted a strong showing from California to come out on top of the team competition. The Ad Hoc Team, which won last September, was hampered by the lower scores from the Midwest and placed second this time around. The Outlaws were a few thousand points behind in third. For team registration, use the *NCJ* Web site, [www.ncjweb.com](http://www.ncjweb.com).

### Golden Logs

Ten stations survived log checking without losing any QSOs. Doug, N6RT, did this with 295 contacts in his log. Dan, K1TO, and Pat, NAØN, each logged more than 200 contacts, while KZ2V, N7WA and N5VI earned golden logs with more than 100 contacts apiece. ND3R, K1AR, K8NZ and K3UA finish off the list. K3UA only dared to make four contacts before calling it quits.

Call Sign	Name	QTH	20	40	80	QSO	Mults	Score	Team
W6PH	KURT	CA	69	101	98	268	42	11,256	
K6XX	BOB	CA	75	106	115	296	38	11,248	NCCC #1
W6SX	HANK	CA	69	111	90	270	41	11,070	NCCC #2
K9YC	JIM	CA	64	101	98	263	42	11,046	NCCC #2
W6EU	JIM	CA	72	90	95	257	41	10,537	NCCC #1
K6RB	ROB	CA	53	104	109	266	39	10,374	NCCC #1
W6OAT	RUSTY	CA	70	109	73	252	41	10,332	NCCC #2
AJ6V	ED	CA	61	107	67	235	43	10,105	NCCC #2
N3ZZ	TOM	CA	63	81	115	259	39	10,101	NCCC #2
N6DE	DEAN	CA	70	107	68	245	41	10,045	NCCC #1
N6AN	REX	CA	76	102	73	251	40	10,040	SCCC #1
K7GK	DENIS	CA	65	114	72	251	39	9789	NCCC #1
N6ZFO	*BILL	CA	42	105	91	238	39	9282	NCCC #2
K6ZH	*JIM	CA	70	93	63	226	40	9040	SCCC #1
NI6T	GARRY	CA	59	81	94	234	36	8424	NCCC #2
AC6T	STEVE	CA	52	83	58	193	39	7527	SCCC #1
W6RGG	BOB	CA	66	59	71	196	36	7056	NCCC #2
KA3DRR	SCOT	CA	44	58	57	159	33	5247	
KZ2V	*NICK	CA	55	44	53	152	30	4560	NCCC #2
W6KY	*ART	CA	27	44	45	116	29	3364	SCCC #1
W4EF	MIKE	CA	0	0	87	87	29	2523	
W6CT	*SCOTT	CA	19	23	14	56	15	840	NCCC #2
K6CSL	*BERT	CA	9	8	3	20	14	280	NCCC #3
N6TR	TREE	OR	83	140	117	340	42	14,280	SLUGS
N9RV	PAT	MT	72	128	121	321	42	13,482	Ad Hoc
K6LL	DAVE	AZ	89	121	91	301	43	12,943	Outlaws
KO7AA	BILL	AZ	65	118	107	290	42	12,180	Outlaws
K8IA	BOB	AZ	56	104	101	261	42	10,962	Outlaws
KO7X	AL	WY	27	98	140	265	40	10,600	Ski Bums
N7FO	STEVE	AZ	59	108	104	271	39	10,569	Outlaws
N7XU	DICK	OR	47	111	95	253	41	10,373	SLUGS
W2VJN	GEO	OR	57	89	107	253	41	10,373	SLUGS
N6VR	RAY	AZ	70	102	93	265	39	10,335	Outlaws
K7BG	*MATT	MT	40	116	102	258	40	10,320	Ad Hoc
N7VM	TOM	UT	54	96	115	265	37	9805	
N7CW	*BUD	AZ	49	110	97	256	37	9472	Outlaws
NN7SS	**BURT	WA	32	89	24	145	39	5655	
K7WA	*JIM	WA	35	68	44	147	35	5145	
K7HP	HANK	AZ	12	54	79	145	34	4930	Outlaws
W8NF	DAVE	OR	19	48	60	127	34	4318	SLUGS
NE7D	*ROCK	OR	23	58	45	126	32	4032	SLUGS
WS7L	CARL	OR	0	55	66	121	33	3993	SLUGS
N6TW	LARRY	OR	31	44	29	104	27	2808	SLUGS
KL7RA	RICH	AK	67	33	0	100	27	2700	
KC7V	*MIKE	AZ	21	41	36	98	26	2548	
W7YS	*BILL	AZ	18	43	31	92	27	2484	Outlaws
N7VS	*STEVE	OR	16	15	32	63	23	1449	SLUGS
N6KW	CHUCK	WA	37	19	0	56	21	1176	
KW8N	BOB	OH	50	89	105	244	40	9760	MRRC/NCC #1
K8MM	IAN	MI	39	87	116	242	39	9438	MRRC/NCC #1
N8EA	*JOE	MI	29	65	111	205	38	7790	MRRC/NCC #2
K8MR	JIM	OH	29	43	112	184	42	7728	MRRC/NCC #1
N8AA	*JOHN	OH	38	48	105	191	36	6876	MRRC/NCC #2
N8SS	EARL	MI	36	55	88	179	38	6802	MRRC/NCC #1
KV8Q	*TOM	OH	16	25	102	143	37	5291	
K8GT	*AL	MI	3	23	51	77	29	2233	MRRC/NCC #1
W8WTS	*JIM	OH	9	12	52	73	28	2044	
K2KW	*KEN	OH	5	33	0	38	18	684	MRRC/NCC #1
N1L	**DUCK	MI	2	13	0	15	12	180	MRRC/NCC #2
W9RE	MIKE	IN	66	96	123	285	43	12,255	Ad Hoc
K9NW	MIKE	IN	53	86	128	267	42	11,214	Ad Hoc
N9CK	*STEVE	WI	42	95	122	259	40	10,360	Ad Hoc
K9CT	CRAIG	IL	43	91	95	229	40	9160	Snowbound
KA9FOX	**SCOTT	WI	44	70	103	217	37	8029	Snowbound
W19WI	JIM	WI	56	79	81	216	37	7992	Snowbound
K9AY	GARY	WI	29	72	99	200	38	7600	Snowbound
K9MMS	*GARY	IL	28	59	105	192	39	7488	Snowbound
K9KM	*HOWIE	IL	7	26	86	119	35	4165	Snowbound
N9FC	*JOHN	IN	1	35	35	71	30	2130	Snowbound
KB9OWD	*RYAN	WI	0	24	48	72	27	1944	Snowbound
K9NO	*PAUL	IL	0	0	27	27	16	432	
WDØT	TODD	SD	31	93	130	254	41	10,414	
WØBH	BOB	KS	31	90	121	242	38	9196	
WØETT	*KEN	CO	17	104	92	213	42	8946	Ski Bums
NØAT	*RON	MN	37	83	104	224	38	8512	
NAØN	*PAT	MN	37	88	104	229	37	8473	
NØSXX	*GARY	SD	25	63	47	135	31	4185	Ski Bums
NØAC	*BILL	IA	28	42	56	126	29	3654	
NØTA	*JOHN	CO	9	64	32	105	27	2835	
ACØW	*BILL	MN	0	5	30	35	18	630	
VE3RZ	*TONY	VE3	8	44	82	134	37	4958	
VE5MX	TODD	VE5	0	32	79	111	32	3552	
VE3RCN	*KEVIN	VE3	0	4	17	21	17	357	
NH2T	DAVE	KH2	36	0	0	36	16	576	
LZ5R	ILIYA	LZ	0	24	0	24	14	336	

\* Low Power \*\* QRP)

## Next Time

The next CW Sprint takes place September 11 UTC (Saturday, September 12, in North America). The starting time is 0000 UTC, and stations may operate the entire 240 minutes, from 0000 to 0359 UTC, inclusive.

Logs may be submitted 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 on the NCJ Web page and announced on the CQ-Contest reflector within two weeks of the contest.

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 an ideal place to ask questions about this contest. Details are at <http://lists.contesting.com/mailman/listinfo/CQ-Contest>.

## Soapbox

*Yuk!* Antennas covered with ice! — *K3MD*  
No joy on 20, “*deedle-deedle*” on 40 and quickly long. Next time I’m finding an amp and a beam. — *K3TN*

Had company, missed first hour, took a while to warm up on this fast-paced sprint, had fun though. — *K4ORD*

Thunder and lightning in February?! — *K5ZD*

Between op and condx, not the most memorable of Sprints but still lots of fun! — *K7SV*

Fantastic ham radio fun! I was on a Sprint learning curve because of my first-ever High Power entry. Amazing mini-swarms after each search and log movement on the frequency dial. Admittedly, four hours vanished into the ionosphere, and I enjoyed each Sprint minute as well. — *KA3DRR*

Bands went long early, spent last half on 80. Lot of good ears out there pulling my QRP signal out with few repeats. — *KA9FOX*

That was painful! Twenty and 40 were pretty much busts. Eighty went long very early. Not good conditions for low power and a wire. Seemed like lots of folks never confirmed the Q. Ended up tossing a bunch of Qs out of the log as a result. Not a very good evening all around. N2IC gave me #343 with 22 minutes left. Very impressive. Things have to get better. There’s always next time. — *KV8Q*

A tough go for me and conditions, but the elite CW Sprinters still seem to put up great numbers anyway. — *KW8N*

*Wow!* First NA Sprint, after a looonnnngggg day of FYBO and MNQP! Operating QRP among the herd of full gallons with a “very interesting call” of N1L made for fun, fun, fun! Some folks didn’t get N1L. They insisted on calling me NN1L, N1LE etc. Thanks to the Lowell (MI) ARC for the use of their clubhouse at W8LRC. A 40 thru 10 meter beam at 110 feet helped get this pipsqueak 5 W into CA, AZ, OR, among others on 40 meters between 0000 and 0100 UTC. — *N1L*

Zeroed out first two contacts as NIL. Incredibly hard to be heard over an hour after

## Top 10 Scores

Call Sign	Score	Bnd	Chgs	Qs	Lost	00Z	01Z	02Z	03Z
N5KO	16,650	138	6	106		95	96	73	
N2IC	15,972	122	1	117		84	94	68	
W6YI	15,609	100	1	113		100	93	57	
N6TV	14,784	74	1	112		83	82	59	
N6TR	14,280	26	3	92		100	75	73	
N5RZ	13,760	136	6	103		77	79	61	
N3BB	13,684	122	11	105		72	74	60	
N9RV	13,482	8	6	75		97	66	83	
N6RT	12,980	6	0	76		90	71	58	
K6LL	12,943	2	4	84		82	52	83	
N6RO	12,943	62	12	96		74	72	59	

## Top Single Radio

Call Sign	Score	Bnd	Chgs	Qs	Lost	00Z	01Z	02Z	03Z
N9RV	13,482	8	6	75		97	66	83	
N6RT	12,980	6	0	76		90	71	58	
K6LL	12,943	2	4	84		82	52	83	
K1KI	12,255	4	3	81		70	81	53	
W6YX	12,218	2	1	79		77	67	75	
N6XI	12,012	8	1	80		77	70	59	
K5MR	11,508	2	3	81		60	81	52	
W6PH	11,256	2	6	63		72	64	69	
K6XX	11,248	4	6	83		80	80	53	
K9NW	11,214	6	5	78		61	79	49	

## Golden Logs

N6RT	295
K1TO	239
NA0N	229
KZ2V	152
K7WA	147
N5VI	126
ND3R	40
K1AR	15
K8NZ	13
K3UA	4

## Top 10 Band Changes

N5KO	138
N5RZ	136
N2IC	122
N3BB	122
W5KFT	100
W6YI	100
K4RO	96
W9RE	92
AA3B	88
N4AF	77

## Top 10 Low Power

KU5B	11,000
N9CK	10,360
K7BG	10,320
N5DO	10,004
N7CW	9472
WQ5L	9348
N6ZFO	9282
K6ZH	9040
W0ETT	8946
NO3M	8920

## Top QRP

KA9FOX	8029
NN7SS	5655
K4ORD	1980
N1L	180

## Top 10 QSOs

N5KO	370
N2IC	363
W6YI	363
N6TR	340
N6TV	336
N9RV	321
N5RZ	320
N3BB	311
N2NT	306
K6LL	301
N6RO	301

## Top 10 Mults

N5KO	45
N2IC	44
N3BB	44
N6RT	44
N6TV	44
AJ6V	43
K1KI	43
K4RO	43
K6LL	43
N5RZ	43
N6RO	43
W6YI	43
W9RE	43

dark on 20. Would like to try winter NA on 40, 80 and 160. — *N4AF*

Can’t seem to get the hang of the Sprint. I’m always out of sync. Maybe one day I’ll get with the program. — *N4PN*

Wacko band conditions. Started off okay on 20 and went downhill quickly. Forty didn’t last long and 80 was really noisy until later in the last hour. Missed MS, and I imagine a bunch of others did also. Thanks to KL7RA for sticking with me for a new mult. It helped to at least break 10k. — *N6AN*

Where was everyone? Activity seemed way down. — *N6TV*

Short 20 meter opening limits the mults for the West Coast, at least for the smaller stations. — *N6VR*

Couldn’t even match my September score,

which was made from my “simple” station in the valley. So much for my great mountain QTH, and 20 meter RFI through a new SO2R box didn’t help. — *N6XI*

I did not have much success the first hour, so I gave it a bit of a rest and came back for the last hour. Intermittent local QRN made it tougher to enjoy. — *N8NA*

Down to one radio this time. Slow and steady here. Lousy first hour. Felt like I was in a city looking for a parking spot on 40. — *N9RV*

My first Sprint. Pretty neat contest. A little crazy but will get used to it. See you all for the next ones. — *ND3R*

Propagation seemed pretty unsettled going in, but I set up everything and practiced on Thursday and Friday nights. I had a good start

on 20, but people left after the first 40 minutes, and it turned into a trickle. That dashed my hopes for a good QRP score. Here on the West Coast I really need people to stay on 20, where QRP does well, for more than an hour. Forth was noisy and disturbed, and the sun had barely set, so it was a struggle. Not helped by some DX pileup and FOC activity on the low end, and the digital stuff at 7035 to 7040. I managed two good hours, but nothing stellar. My QRP competitors back east pulled ahead by 20 to 40 QSOs, *ouch!* My SO2R

setup didn't help, since 20 was gone, and 80 was too weak yet, so it was single radio 40 QRP, with lost pileups and unanswered CQs. Eighty finally allowed some contacts in the last hour, but slower than usual, probably the disturbed conditions. All contacts were west of the Mississippi until 0320 UTC, when I finally made it to OH, TN, SC I surpassed my score from last February, and I handed out some contacts, but nothing to cheer about. There's no doubt though, CW sprinting is fun! — *NN7SS*

This was not fun. May be my last Sprint for awhile. — *NO5W*

Between the worst conditions I ever saw on 20 at the start, having a hard time being heard on 40, and heavy medication for a back problem, I quit early. Let's do it again in June! — *W1WEF*

Slept thru most of this Sprint and woke up with 45 minutes left! — *W2RQ*

Rough go with 20 closing early! — *W9RE*

## Team Scores

### 1. Northern California Contest

#### Club #1

N5KO	16,650
N6TV	14,784
N6RO	12,943
W6YX	12,218
N6XI	12,012
K6XX	11,248
W6EU	10,537
K6RB	10,374
N6DE	10,045
K7GK	9789
<b>Total</b>	<b>120,600</b>

### 2. Ad Hoc

N9RV	13,482
K4RO	12,728
W9RE	12,255
N4AF	11,886
K9NW	11,214
W4NZ	10,701
N9CK	10,360
K7BG	10,320
W4OC	8720
K3MD	6052
<b>Total</b>	<b>107,718</b>

### 3. Outlaws

N2IC	15,972
N5RZ	13,760
K6LL	12,943
KO7AA	12,180
K8IA	10,962
N7FO	10,569
N6VR	10,335
N7CW	9472
K7HP	4930
W7YS	2484
<b>Total</b>	<b>103,607</b>

### 4. Northern California

#### Contest Club #2

W6SX	11,070
K9YC	11,046
W6OAT	10,332
AJ6V	10,105
N3ZZ	10,101
N6ZFO	9282
NI6T	8424
W6RGG	7056
KZ2V	4560
W6CT	840
<b>Total</b>	<b>82,816</b>

5. Snowmen (N3BB, K5MR, KU5B, K5WA, K5TR, N5DO, WQ5L, NO5W).....	82,569
6. SECC #1 (K4BAI, K0EJ, K1ZZI, KU8E, K7SV, K2SX, W4AU, K4QPL, KY4F, N5VI).....	79,494
7. SCCC #1 (W6YI, N6RT, K6LA, N6AN, K6ZH, AC6T, W6KY).....	70,160
8. MRRR/NCC #1 (KW8N, K8MM, NO3M, K8MR, N8SS, K8GU, WW3S, K8GT, K2KW).....	54,993
9. SLUGS (N6TR, N7XU, W2VJN, W8NF, NE7D, WS7L, N6TW, N7VS).....	51,626
10. Snowbound (K9CT, KA9FOX, WI9WI, K9AY, K9MMS, K9KM, N9FC, KB9OWD).....	48,508
11. FRC (N2NT, AA3B, N2NC, W3KB, W2RQ).....	41,811
12. Ski Bums (K07X, WØETT, NØSXX).....	23,731
13. MRRR/NCC #2 (N8EA, N8AA, N3SD, K3LR, N1L, K8NZ, K3UA).....	20,168
14. SECC #2 (N4DW, N4PN, K1GU).....	19,931
15. PVRC (KE3X, K3TN).....	18,655
16. NCCC #3 (K6CSL).....	280

## Guest Ops

AC6T (@W6RFU)
K5TR (K5OT)
K7GK (@W6JZH)
KA3DRR (@W6SL)
KZ2V (@W6TQG)
LZ5R (LZ4UU)
N1L (N8XX)
N6DE (@K6TD)
N6RT (@N6WIN)
N7FO (KN5H)
N7XU (K4XU)
NH2T (N2NL)
NN7SS (K6UFO)
W5KFT (K5PI)
W6YI (N6MJ)
W6YX (N7MH)

