

# Results: North American Sprint CW — September 2011

The 69th North American CW Sprint was held September 11, 2011. The CW Sprint is akin to driving a Porsche 911. This is the fast, short racetrack of CW contests, where you have to push the limits of your operating ability to compete at the highest level. Even casual entrants feel the challenge of the quick pace. Some of them walk away with their heads spinning, determined to do what it takes to improve their scores next time.

Due to the unique "QSY rule," the CW Sprint is not like your typical contest, where loud stations hog all of the frequencies. It is easy to get your own frequency in this contest. All you have to do is answer someone calling "CQ," and after the contact, you own the frequency! After that you may only use it for one contact, but it was fun while it lasted.

Even if packet spotting were allowed in this contest, it probably would not help very much, since stations are always on the move. It is interesting sometimes just to listen to a specific frequency and see how it changes hands. Sometimes there are four contacts made on a frequency over the course of one minute, all with different partners.

The NA Sprint represents the kind of challenge that top contesters recognize, even if you are not producing a high score. Just participating in the event will result in big smiles when Sprint operators meet at local or national ham conventions. It's a different sort of dance, and everyone appreciates a good partner.

The CW Sprint also has racked up the largest number of events in Amateur Radio history. While it has only been around for about 35 years, there have been 69 events, and in another 10 years, it will be 89. The 100th CW Sprint is only about 15 years off!

Conditions for the September 2011 running seemed fairly average around the country. Twenty meters was somewhat disturbed, but most stations were able to make a respectable number of contacts on that band before shifting to the money band, 40 meters. Eighty meters was in pretty good shape for a summer contest, although some areas of the country experienced high noise levels. W9RE and N6TR managed the "hat trick" of making at least 100 contacts on each of the three bands.

Want to make the High Power Top 10? Unless you are fortunate enough to have good conditions, an excellent station and sharp operating techniques, forget about

it. Conditions are always the wild card that makes each running of this contest unique. It seems that no matter which part of the country you are in, you may be blessed or cursed by what happens with the ionosphere 30 minutes or three hours into the contest.

Another factor that helps to determine who makes the Top 10 is the ability to use two radios to good effect. This not only seems to help contact totals but multiplier counts. As a group, the High Power Top 10 averaged more than 126 band changes. Only Mike, K9NW, was able to make it into that list with a single radio and just six band changes. Even the Low Power ops are getting into the act. The station with the top Low Power score changed bands 98 times, while the third-place finisher changed bands 71 times. Come to think of it, using low power with two radios is a bit safer than trying to do it with a kilowatt.

Is using two radios — calling "CQ" on one band while completing a contact on another — what the "Founding Fathers" had in mind? Likely not, but it is how the creative minds of competitive contesters have adapted to the current rules. We have adapted the results to show a separate

listing of the Top 10 one-radio scores. We use an arbitrary limit on the number of band changes to make this determination. If you want to see your score listed there, make no more than 12 band changes during the four hours.

There was quite the Low Power shootout between Ron, NØN, and Pat, NØAT, in Minnesota. Pat actually had 12 more contacts, but Ron managed two more multipliers to overcome the difference in the contact totals. This demonstrates how important those multipliers are.

Many Sprint operators are bald because they have pulled out their hair trying to figure out how those with high multiplier counts do it. Do multipliers have too much value? Is it just a matter of luck? Are there skills you can adopt to improve your multiplier count? Does using two radios help? Do some parts of the country have an advantage?

These are all interesting questions. Occasionally there is a call to change the multiplier formula and make them "adders" to your score instead of multipliers. This would certainly devalue the importance of multipliers and put the focus on making the most contacts. For now, though, we just

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## Top 10 Scores

Call Sign	Score	Bnd Chgs	Qs Lost	00Z	01Z	02Z	03Z
N2IC	16,262	196	5	100	96	71	79
W9RE	16,008	154	4	93	92	86	77
N3BB	15,752	178	6	110	96	83	69
N5KO	15,615	153	7	103	89	76	79
N6TV	15,410	88	3	111	83	67	74
N2NT	15,268	141	5	108	86	80	73
NØNI	15,134	114	4	87	77	73	92
K9NW	15,120	6	1	82	81	80	93
N5RZ	14,960	116	5	95	94	84	67
AA3B	14,760	115	7	95	78	77	78

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## Top One Radio

Call Sign	Score	Bnd Chgs	Qs Lost	00Z	01Z	02Z	03Z
K9NW	15,120	6	1	82	81	80	93
K4BAI	14,715	2	3	88	90	75	74
K5MR	14,212	8	7	85	85	76	77
W1WEF	13,230	2	1	79	76	70	69
K6XX	12,848	8	14	84	74	68	66
K1DG	12,384	3	3	71	89	68	60
N2UT	12,298	6	8	84	75	70	57
K5NA	12,232	2	3	73	69	69	67
K3TN	12,144	7	6	66	86	67	57
KZ5D	12,100	10	16	74	79	54	68

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able to get into the Top 10 using one radio and making only six band changes. "The Gator," N5RZ, is still building up his station in West Texas but had enough up to claim ninth place. Bud, AA3B, sneaked into the last spot for only his second Top 10 finish.

Just missing the Top 10 was John, K4BAI, who still had the second-highest single-radio score, and Kirk, K4RO, our new *NCJ* editor. They ended up in a dead heat. An up-and-coming young contesteer, NO3M, came in 13<sup>th</sup>. Keep an eye on Eric. I predict you will be seeing him in the Top 10 very soon. He managed to beat a couple of Sprint all stars (N6TR and K5ZD) — quite an accomplishment.

### Team Competition

The club competition saw a tight race for the top spot. Heatwave #1 edged out the Ad Hoc team, with the Northern California Contest Club Team 1 not far behind. The South East Contest Club took fourth.

We all owe the team organizers a tip of the hat for their efforts to increase Sprint activity by organizing a team. This remains the most effective way to bring new blood into the family of Sprint operators.

### Golden Logs

Exactly 10 logs survived log checking unscathed, but none had more than 300 contacts in their logs this time around. It takes a combination of great concentration and luck to make this list. Sometimes a contact ends up missing from the "other" log for unknown reasons.

Congratulations to Pat, NAØN, for his top finish in the Golden Log category with 274 contacts. Jim, K1TN, used to check logs for the ARRL, so I am sure he appreciates his golden log with 226 contacts. Bill, W1WBB, not only made us all happy by putting Rhode Island on the air for the contest but made each of his 156 contacts count. Hank, W6SX, Bert, K1IMI (in Maine), and Tom, K4MM, all had more than 100 contacts with no deductions.

### Records

Starting with these Sprint results, all new record scores will appear in bold type. Bill, W1WBB, broke his own Low Power Rhode Island record from last year. Chris, KU4A, established the first-ever QRP score from Kentucky, while Bob, W7YAQ, put the first QRP effort from Oregon into the books. Ward, NØAX, beat his own record for the best Low Power score from Missouri. Fred, K9VV, contributed the first entry in the record book from PJ6.

### Next Time

The next North American Sprint (CW) takes place February 5 at 0000 UTC (Saturday, February 4, local time in North

### All-Time CW Sprint Records

Category	Total	Call Sign	Date
Highest multiplier	55	K9AA (K9PG)	Feb 2000
Highest contact total	428	N6TR/7	Feb 2005
Highest score	21,816	K4AAA (W4AN)	Sep 2003
Highest team score	163,373	SCCC #1	Feb 2002
Highest Low Power	17,050	N6MJ (@W6KP)	Feb 2004
Highest QRP	10,800	K7RI (K7SS)	Feb 2002
Logs received	227		Feb 2004
Number golden logs	18		Feb 2008
Number logs $\square$ 300	52		Feb 2003

America). Participants may operate for the entire 240 minutes from 0000 to 0359 UTC inclusive. If you start a contact just before the clock ticks over, you are free to finish the contact.

To register teams, use the *NCJ* Web page, [www.ncjweb.com](http://www.ncjweb.com). Logs can 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 within two weeks of the event on the *NCJ* Web site and announced on the CQ-Contest reflector, <http://lists.contesting.com/mailman/listinfo/CQ-Contest>.

Check out the Web resources at <http://n6tr.jzap.com/sprint.html> and rules, records and previous results on the *NCJ* Web site, [www.ncjweb.com](http://www.ncjweb.com). The CQ-Contest reflector also is a great place to ask questions about this contest.

### Soapbox

My best ever first hour — 98 Qs, but it was downhill from there. Eighty was terribly noisy and almost unusable. — *AE6Y*

QRP contesting is not for sissies — *KØOU*

Fun contest, but I have to figure out how others double my hourly contact rate! — *K3GHH*

Twenty meters being open nicely is fun but means more minutes of being stomped on. Low bands were great — *K3TN*

Had a hard time getting going in this one, but it was fun. — *K4ORD*

That was tough. I have never felt so weak on 40 and 80! — *K5ZD*

I was only SO1R for this one, as Murphy struck right at the beginning, and one of my K2/100s quit working, so I missed the first few minutes. The name ROO is the nickname of my 14-year-old Chesapeake Bay retriever. When she was happy she would let out a loud "ROOOO!" She was always lying at my feet when I was in the shack. Sadly, she passed away only a few days before the Sprint, so I thought using her nickname would be a fitting tribute to my faithful second op. — *K8MM*

Had to QRT for the football game. — *K9QVB*

Hard going using 100 W and wires.

Happy to give PJ6 mult to many. I always love this contest, because the caliber of ops is excellent! — *K9VV*

My Sprint CW skill set continues improving — for example, learning how to move between channels after calling "CQ" and/or logging a couplet. The two-for-one Q on any given frequency improved my overall rate and score! Thanks for a stellar event, because Sprint CW is fast and furious. — *KA3DRR*

Left family camping to do the contest. Arrived 10 minutes before contest. Thankfully everything just worked! Great conditions and participation. I wish even half the CW folks would get on for the SSB Sprint. — *KA9FOX*

I used my dad's name in his honor and service as a US Coast Guard officer here in Ketchikan during WW II. An A Index of 34 and K of 4 do not make for CW Sprint fun in a northern latitude QTH. Hope the AK mult helped some scores. — *KL8C*

Getting a bit more comfortable, due to NS Sprint weekly practice. — *KW8N*

Hard work all the way through, especially with 20 being so long at the start. Couldn't hear any stations within 1000 miles, but they were sure louder than I on the other end. Forty and 80 more than made up for it. The simple wire antenna was getting the job done. When the shooting stopped, I was happy with the results. — *NØAX*

Fun time using N1L — acronym for Not 1n Log — which I reserved for the Festival on the Grand (Grand Rapids, Michigan). Score was five times my first effort and proved that my wire antenna *is* a bit better than a dummy load buried six feet underground. — *N8XX*

Yes, two #44 contacts. Had to reboot after working, but not logging, WV6E, then forgot to log #44 as WV6E and made NØAT #44 also. — *N4DW*

Fun as always. Nice to hear Fred, K9VV, at PJ6. Would be a great contest if everyone were LP. Don't think we need a kilowatt to work North America. — *N4PN*

A big "thank you" to Tim, N6WIN, for the use of his fine station. — *N6AN*

Conditions very rough here on low bands. — *N6TV*

Switched to a low, 2 element beam

pointed north for my first contact with KL8C. Forgot to switch back to the main antenna for a full hour. This was a costly mistake. — *N6XI*

I was feeling slow and tired, but I needed SO2R practice, so I just moseyed along. Surprisingly, I matched my score from February, even though September is usually worse when QRP. Twenty was really poor up here in WA. I also saw again how Sprint CW brings out the big amps, key clicks and QRMers who don't listen before jumping

on any frequency with a CQ. Forty was fluttery and noisy, and people were going too fast for the QRN and noise on this end. Eighty was finally workable a half-hour after sunset 03 UTC and gave me a chance to test the 80 meter loop. — *NN7SS*

Pretty good conditions on all bands, although 40 was the money band for me. — *W0ETT*

K3 went south midway through the contest. Switched to old Omni VI with no CAT. — *W1NN*

Third-ever Sprint entry. Previous ones were in 1993 and 1999. Rust was evident! — *W7YAQ*

A PB for me, as conditions were excellent. — *W9RE*

Very interesting at times, quick pace, but then times when I could not get any Qs for 3 or 4 minutes. Very frustrating. Definitely a two-radio contest. Enjoyed it greatly, and thanks to Mike, W9RE, for the invite to the Ad Hoc Team. — *WD0T*

## Scoring Summary

Call Sign	Name	QTH	20	40	80	QSOs	Mults	Score	Team										
K5ZD	RANDY	MA	99	132	90	321	44	14,124		K5IID	**TOM	TX	10	2	0	12	9	108	Heatwave 2
W1WEF	JACK	CT	110	110	74	294	45	13,230		KE5OG	*BILL	TX	8	0	0	8	8	64	
K1DG	DOUG	NH	87	125	76	288	43	12,384		N5KO	TREY	CA	137	148	62	347	45	15,615	NCCC #1
K1HT	*DAVE	MA	93	97	63	253	40	10,120		N6TV	BOB	CA	127	145	63	335	46	15,410	NCCC #1
W1UJ	JAY	MA	73	76	83	232	41	9,512		N6MJ	*DAN	CA	133	132	53	318	42	13,356	SCCC #1
K1AR	JOHN	NH	23	82	59	164	40	6,560		K6LA	KEN	CA	126	121	46	293	44	12,892	SCCC #1
<b>W1WBB</b>	<b>*BILL</b>	<b>RI</b>	<b>55</b>	<b>54</b>	<b>47</b>	<b>156</b>	<b>37</b>	<b>5772</b>		K6XX	BOB	CA	104	127	61	292	44	12,848	NCCC #1
K1MI	*BERT	ME	62	58	0	120	30	3,600		N6RO	KEN	CA	109	129	52	290	44	12,760	NCCC #1
KM3T	*DAVE	NH	11	11	33	55	31	1,705		AE6Y	ANDY	CA	129	113	44	286	44	12,584	NCCC #1
W1MJ	*ELIOT	MA	0	10	0	10	11	110		N6XI	RICK	CA	91	124	65	280	43	12,040	NCCC #1
N2NT	ANDY	NJ	107	141	99	347	44	15,268	FRC	K6AW	STEVE	CA	101	116	61	278	43	11,954	NCCC #1
N2GC	MIKE	NY	67	106	85	258	43	11,094		AJ6V	ED	CA	108	99	47	254	44	11,176	NCCC #2
N2NC	JOHN	NJ	93	114	52	259	41	10,619	FRC	W0YK	ED	CA	96	107	59	262	42	11,004	
N2ZN	*KEN	NY	60	98	67	225	43	9,675		K9YC	JIM	CA	101	112	38	251	41	10,291	NCCC #1
K2JF	*PHILIP	NY	0	0	0	0	1	0		N6AN	REX	CA	89	115	50	254	39	9,906	SCCC #1
AA3B	BUD	PA	105	134	89	328	45	14,760	FRC	N6ZFO	*BILL	CA	91	80	49	220	44	9,680	NCCC #2
NO3M	TY	PA	94	130	96	320	45	14,400		Ni6T	GARRY	CA	95	83	45	223	41	9,143	NCCC #2
K3TN	JOHN	MD	71	112	93	276	44	12,144	PVRC	K6RB	ROB	CA	96	99	32	227	40	9,080	NCCC #1
N8NA	*KARL	DE	90	115	75	280	43	12,040	FRC	N6KI	TOM	CA	90	86	33	209	43	8,987	SCCC #1
N3DXX	ART	DE	74	118	70	262	43	11,266		N3ZZ	TOM	CA	77	106	46	229	39	8,931	NCCC #1
N3AD	ALAN	PA	68	71	75	214	40	8,560		W4EF	MIKE	CA	113	94	13	220	40	8,800	SCCC #1
N3SD	*GREG	PA	23	83	67	173	38	6,574	NCC/MRRC #1	K6MM	JOHN	CA	72	83	32	187	40	7,480	NCCC #2
K3STX	PAUL	MD	34	77	54	165	39	6,435	PVRC	K2ZV	NICK	CA	75	67	44	186	38	7,068	NCCC #2
K3GHH	*JOHN	MD	0	74	34	108	34	3,672		W6RGG	BOB	CA	62	73	37	172	40	6,880	NCCC #2
K3UA	*PHIL	PA	42	42	0	84	27	2,268	NCC/MRRC #2	NE6I	DENNIS	CA	82	94	0	176	38	6,688	SCCC #1
N3QE	*TIM	MD	0	26	20	46	21	966		W6SX	HANK	CA	94	44	0	138	39	5,382	NCCC #2
K4BAI	JOHN	GA	107	122	98	327	45	14,715	SECC	KA3DRR	SCOT	CA	21	88	30	139	34	4,726	NCCC #2
K4RO	KIRK	TN	89	141	97	327	45	14,715	Ad Hoc	W6KY	*ART	CA	63	26	6	95	28	2,660	
W4NZ	TED	TN	94	117	82	293	44	12,892	SECC	W6CT	*SCOTT	CA	35	29	18	82	23	1,886	NCCC #2
NA4K	STEVE	TN	83	119	82	284	43	12,212		K6CSL	*BERT	CA	15	12	3	30	14	420	NCCC #2
W4OC	DON	SC	107	102	75	284	43	12,212		K1GI	MASA	CA	0	5	0	5	3	15	
K2SX	DENNIS	SC	94	119	54	267	45	12,015	SECC	N6TR	TREE	OR	114	124	102	340	42	14,280	Forest
N4ZZ	DON	TN	72	111	90	273	42	11,466		N9RV	PAT	MT	107	126	80	313	43	13,459	Ad Hoc
KU8E	JEFF	GA	84	108	73	265	43	11,395	NCC/MRRC #1	N7XU	DICK	OR	82	99	88	269	42	11,298	Forest
N4PN	*PAUL	GA	98	96	63	257	44	11,308	SECC	N6VR	RAY	AZ	117	93	48	258	43	11,094	Outlaws
N1LN	BRUCE	NC	86	95	78	259	41	10,619	PVRC	K7BG	*MATT	MT	91	106	46	243	43	10,449	Ad Hoc
K1ZZI	RALPH	GA	76	106	71	253	41	10,373	SECC	W2VJN	GEO	OR	84	108	47	239	40	9,560	Forest
N4OX	*JAY	FL	92	91	63	246	41	10,086	SECC	K07X	ISAAC	WY	67	95	61	223	42	9,366	Grand Mesa
N4DW	DAVE	TN	77	98	63	238	41	9,758		AA7V	STEVE	AZ	115	85	22	222	40	8,880	Outlaws
NF4A	CHARLIE	FL	73	97	56	226	42	9,492	SECC	W7WHY	TOM	OR	72	87	62	221	39	8,619	Forest
K8NZ	*RON	FL	80	104	39	223	42	9,366	NCC/MRRC #1	KY7M	LEE	AZ	91	101	9	201	42	8,442	Outlaws
K4FXN	DAN	KY	64	104	71	239	39	9,321		KM7W	*CHRIS	ID	79	85	44	208	40	8,320	
KE3X	*KEN	VA	48	83	68	199	42	8,358	PVRC	K17Y	JIM	OR	79	74	41	194	42	8,148	Forest
K1GU	*NED	TN	33	78	72	183	41	7,503		K8IA	BOB	AZ	92	91	0	183	44	8,052	Outlaws
WF7T	*BRAD	TN	36	86	55	177	40	7,080		WS7L	CARL	OR	67	69	40	176	40	7,040	Forest
W4BQF	TOM	GA	67	63	14	144	36	5,184		<b>W7YAQ</b>	<b>**BOB</b>	<b>OR</b>	<b>69</b>	<b>50</b>	<b>29</b>	<b>148</b>	<b>40</b>	<b>5920</b>	
W4AU	JOHN	VA	66	68	0	134	37	4,958		NN7SS	**BURT	WA	64	71	15	150	39	5,850	
K4MM	*TOM	FL	0	73	32	105	36	3,780		K7WA	*JIM	WA	55	70	27	152	37	5,624	
AD4EB	*JIM	TN	0	48	54	102	36	3,672		NE7D	*ROCK	OR	56	55	33	144	36	5,184	Forest
NB4M	*CHRIS	TN	24	52	16	92	31	2,852		KL8C	ART	AK	63	70	5	138	29	4,002	
K4ORD	*RILEY	VA	1	50	34	85	32	2,720		KC7V	*MIKE	AZ	70	25	0	95	28	2,660	Outlaws
<b>KU4A</b>	<b>**CHRIS</b>	<b>KY</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>12</b>		N6TW	LARRY	OR	32	26	5	63	30	1,890	Forest
N2IC	STEVE	NM	127	142	77	346	47	16,262	Ad Hoc	W7YS	*BILL	AZ	39	20	11	70	27	1,890	Outlaws
N3BB	JIM	TX	128	145	85	358	44	15,752	Heatwave 1	K7WP	JOHN	AZ	50	0	0	50	27	1,350	Outlaws
N5RZ	GATOR	TX	128	135	77	340	44	14,960	Heatwave 1	W0PAN	*LARRY	AZ	5	0	0	5	5	25	Outlaws
K5MR	STEVE	TX	116	115	92	323	44	14,212	Heatwave 1	KU7Y	*RON	ID	0	4	0	4	2	8	Outlaws
W5KFT	ROB	TX	117	120	72	309	44	13,596	Heatwave 1	KW8N	BOB	OH	78	122	91	291	43	12,513	NCC/MRRC #1
K5TR	GEO	TX	118	103	77	298	43	12,814	Heatwave 1	K8MR	JIM	OH	85	112	91	288	43	12,384	NCC/MRRC #2
N2UT	BOB	NM	115	113	58	286	43	12,298		N8EA	*JOE	MI	58	104	78	240	43	10,320	NCC/MRRC #1
K5NA	RICH	TX	103	108	67	278	44	12,232	Heatwave 1	K8MM	ROO	MI	66	92	68	226	44	9,944	NCC/MRRC #1
KZ5D	ART	LA	90	117	68	275	44	12,100	Heatwave 1	W1NN	*HAL	OH	63	82	96	241	41	9,881	NCC/MRRC #1
N5DO	DAVE	TX	95	105	66	266	43	11,438	Heatwave 1	K8JQ	STEVE	WV	37	109	90	236	39	9,204	
W05L	*RAY	MS	99	98	71	268	42	11,256	Heatwave 1	N8AA	*JOHN	OH	40	106	15	161	39	6,279	NCC/MRRC #1
K5NZ	**MIKE	TX	99	79	20	198	41	8,118	Heatwave 2	KE8M	DAVE	OH	33	37	40	110	35	3,850	
K5XR	JOE	TX	87	102	0	189	38	7,182	Heatwave 2	W19WI	*TIO	MI	45	54	9	108	33	3,564	SMC #1
N5QQ	RON	TX	76	37	16	129	35	4,515	Heatwave 2	W8WTS	*JIM	OH	26	28	36				

W9RE	MIKE	IN	100	148	100	348	46	16,008	Ad Hoc	KØOU	**STEVE	MO	57	84	39	180	38	6840	
K9NW	MIKE	IN	93	142	101	336	45	15,120	Ad Hoc	K4IU	*FRED	MN	41	61	51	153	35	5355	
K9BGL	KARL	IL	76	112	97	285	43	12,255	Ad Hoc	NØAC	*BILL	IA	36	65	35	136	36	4896	
N9CK	*STEVE	WI	72	109	98	279	41	11,439	Ad Hoc	KR7C	*STAN	CO	41	49	16	106	33	3498	Grand Mesa
K9MMS	*GARY	IL	70	98	80	248	41	10,168	SMC #1	N9HDE	*SCOTT	IA	0	59	0	59	32	1888	
K1TN	JIM	WI	63	84	79	226	42	9492		WGØM	*MIKE	MN	31	22	0	53	30	1590	
WT9U	*JIM	IN	55	105	66	226	42	9492		ADØDX	*RON	MO	0	15	0	15	11	165	
KA9FOX	**SCOTT	WI	62	87	67	216	41	8856	Ad Hoc	VE3EJ	JOHN	VE3	70	97	98	265	41	10,865	CCO
WW9R	PAT	WI	29	38	27	94	31	2914	SMC #1	VE3JM	VLAD	VE3	74	92	76	242	41	9922	CCO
K9QVB	*JOHN	WI	47	0	0	47	18	846		VE3RZ	TONY	VE3	34	79	83	196	40	7840	CCO
NØNI	MARK	IA	99	138	92	329	46	15,134	SMC #1	VE3EY	*NICK	VE3	57	76	26	159	33	5247	CCO
KØEU	KEN	CO	104	127	96	327	42	13,734	Grand Mesa	VE3RCN	*KEVIN	VE3	5	24	21	50	24	1200	CCO
WØBH	BOB	KS	95	103	93	291	43	12,513	Heatwave 1										
WDØT	TODD	SD	91	117	94	302	39	11,778	Ad Hoc										
NØAX	*WARD	MO	42	130	86	258	44	11,352											
NØAT	*RON	MN	83	105	74	262	43	11,266											
NAØN	*PAT	MN	95	105	74	274	41	11,234											
KØAD	*AL	MN	81	90	78	249	45	11,205											
WØETT	*KEN	CO	76	112	18	206	43	8858	Grand Mesa										
KØBJ	*BRU	KS	68	63	66	197	39	7683	Grand Mesa										

\* Low Power  
 \*\* QRP  
 NOTE: Scores in bold type are new records

### CW Sprint Records through September 2011

QTH	Pwr	Date	Call Sign	20	40	80	QSOs	Mults	Score	TN	H	Sep 2003	W4PA	134	163	96	393	51	20,043
CT	H	Sep 2003	K1KI	153	132	84	369	50	18,450	TN	L	Sep 2003	K4AMC	77	127	66	270	47	12,690
CT	L	Sep 1999	NT1N	122	115	43	280	49	13,720	TN	Q								
CT	Q																		
MA	H	Feb 2003	K5ZD	136	144	85	365	54	19,710	VA	H	Sep 1989	KT3Y	95	122	79	296	48	14,208
MA	L	Feb 2003	K1HT	72	106	114	292	50	14,600	VA	L	Feb 2003	K7SV	84	101	115	300	52	15,600
MA	Q	Sep 2003	NB1B	75	29	3	107	33	3531	VA	Q	Sep 2007	WA4PGM	38	54	50	142	36	5112
ME	H	Sep 2008	N1LI (K1DG)	88	122	84	294	47	13,818	AR	H	Sep 2009	N5DX	61	150	102	313	47	14,711
ME	L	Sep 2006	N1LI (K1DG)	89	106	49	244	43	10,492	AR	L	Sep 2007	K5GO	99	82	78	259	44	11,396
ME	Q	Sep 2010	N1LI (K1DG)	91	72	50	213	40	8520	AR	Q	Sep 2009	N5ER	14	15	16	45	23	1035
NH	H	Feb 2003	K1DG	129	119	83	331	50	16,550	LA	H	Feb 1995	W5WMMU (K5GA)	105	115	86	306	48	14,688
NH	L	Feb 2002	K1BX	131	76	62	269	47	12,643	LA	L	Feb 2004	W5EKF	43	67	18	128	40	5120
NH	Q	Feb 2003	AB1AV	2	0	0	2	2	4	LA	Q	Sep 2007	KC5R	95	66	17	178	39	6942
RI	H	Feb 2002	K1G	122	95	93	310	47	14,570	MS	H	Sep 2008	N4OGW	90	139	110	339	50	16,950
RI	L	Sep 2011	W1WBB	55	54	47	156	37	5772	MS	L	Sep 2010	WQ5L	93	112	62	267	43	11,481
RI	Q	Sep 2006	KO1H	10	8	0	18	9	162	MS	Q	Feb 2002	WA2NYR	30	16	0	46	26	1196
VT	H	Feb 2004	NT1Y (W4PA)	116	175	47	338	48	16,224	NM	H	Feb 2003	N6ZZ	133	153	65	351	52	18,252
VT	L	Sep 2009	K8MR/1	0	43	71	114	40	4560	NM	L	Feb 2008	AA5B	85	101	95	284	42	11,928
VT	Q	Sep 2004	WT1L	18	2	18	38	21	798	NM	Q	Feb 2002	W5YA	121	75	28	224	42	9408
NJ	H	Feb 2003	N2NT	88	158	134	380	51	19,380	OK	H	Sep 2003	K3LR	131	133	88	352	48	16,896
NJ	L	Feb 1999	K2SQ	94	101	85	280	46	12,880	OK	L	Sep 1998	K5KA	79	89	62	230	40	9200
NJ	Q	Sep 2010	KR2Q	58	59	31	148	41	6068	OK	Q	Sep 2004	K5KA	91	69	52	212	43	9116
NY	H	Feb 2002	K2UA	113	123	85	321	50	16,050	TX	H	Feb 2000	N5TJ	148	137	96	381	52	19,812
NY	L	Sep 2004	K2KQ	80	94	56	230	46	10,580	TX	L	Sep 1998	N5TJ	141	111	80	332	46	15,272
NY	Q	Sep 2010	N2ZN	36	75	56	167	43	7181	TX	Q	Feb 2000	KG5U	122	60	22	204	47	9588
DE	H	Sep 1989	KN5H	98	102	72	272	46	12,512	CA	H	Feb 2003	W6EEN (N6RT)	150	147	81	378	54	20,412
DE	L	Sep 2008	N8NA	46	135	80	261	47	12,267	CA	L	Feb 2004	N6MJ	106	158	77	341	50	17,050
DE	Q	Sep 2009	N8NA	21	98	64	183	44	8052	CA	Q	Sep 2010	K6UFO	88	90	36	214	39	8346
MD	H	Sep 1989	W3LPL	120	110	80	310	47	14,570	AK	H	Feb 2000	KL9A	139	63	0	202	47	9494
MD	L	Sep 2002	K3MM	95	95	71	261	40	10,440	AK	L	Sep 2007	K6VVA/KL7	68	30	18	116	34	3944
MD	Q	Sep 2002	K3ESE	19	35	0	54	17	918	AK	Q	Sep 2003	N6TR/KL7	1	0	0	1	1	1
PA	H	Sep 2004	K3NM (N2NC)	131	116	91	338	49	16,562	AZ	H	Feb 2000	K6LL	178	144	42	364	50	18,200
PA	L	Sep 2003	W1NN	87	83	59	229	46	10,534	AZ	L	Feb 2008	N7CW	61	109	98	268	43	11,524
PA	Q	Sep 2007	K3MJW	7	27	49	83	27	2241	AZ	Q	Feb 2008	KB7Q	61	51	2	114	37	4218
AL	H	Feb 2004	K4NO	115	98	67	280	48	13,440	ID	H	Feb 2000	W7ZRC	123	107	44	274	45	12,330
AL	L	Sep 2003	K4IQJ	70	89	60	219	44	9636	ID	L	Feb 2001	W7UQ (KL9A)	144	88	44	276	48	13,248
AL	Q	Feb 1998	KJ3V	0	8	0	8	7	56	ID	Q								
FL	H	Feb 2003	N2NL	151	139	67	357	55	19,635	MT	H	Sep 2010	N9RV	121	137	88	346	44	15,224
FL	L	Sep 2003	KØLUZ	118	132	0	250	47	11,750	MT	L	Feb 1998	K7BG	79	105	89	273	43	11,739
FL	Q	Sep 1999	N4BP	119	51	0	170	34	5780	MT	Q	Sep 2009	KB7Q	35	71	56	162	38	6156
GA	H	Sep 2003	K4AAA (W4AN)	146	170	88	404	54	21,816	NV	H	Feb 2000	K7BV	106	141	43	290	50	14,500
GA	L	Feb 2003	KU8E	42	124	81	247	48	11,856	NV	L	Feb 2000	KU7Y	88	116	0	204	45	9180
GA	Q	Sep 2009	NA4BW	6	65	55	126	38	4788	NV	Q	Feb 1999	KU7Y	59	69	20	148	40	5920
KY	H	Sep 1998	K4LT	82	107	92	281	44	12,364	OR	H	Feb 2003	N6TR	172	142	79	393	52	20,436
KY	L	Feb 2002	K4FXN	103	98	53	254	45	11,430	OR	L	Feb 2003	K4XU	121	110	46	277	47	13,019
KY	Q	Sep 2011	KU4A	4	0	0	4	3	12	OR	Q	Sep 2011	W7YAQ	69	50	29	148	40	5920
NC	H	Sep 2003	N4AF	98	129	115	342	49	16,758	UT	H	Sep 1991	K6XO	128	93	42	263	44	11,572
NC	L	Feb 1995	K7GM	73	101	69	243	45	10,935	UT	L	Sep 1995	AH3C	59	91	65	215	38	8170
NC	Q	Feb 2010	AA4XX	28	25	64	117	33	3861	UT	Q	Feb 2003	NC7J	101	96	38	235	45	10,575
SC	H	Sep 2008	W4OC	80	110	97	287	48	13,776	WA	H	Feb 2003	W7WA	133	113	54	300	49	14,700
SC	L	Sep 2003	W4OC	87	92	116	295	50	14,750	WA	L	Feb 2003	K7RI (K7SS)	149	111	37	297	53	15,741
SC	Q									WA	Q	Feb 2002	K7RI (K7SS)	109	112	19	240	45	10,800

WY	H	Sep 1999	K7KU (N2IC)	132	117	63	312	48	14,976	4U1	H	Feb 1985	4U1UN (W2TO)	3	52	15	70	23	1610
WY	L	Feb 2004	KO7X	57	142	28	227	47	10,669	4U1	L								
WY	Q	Sep 2008	KB7Q	1	78	8	87	29	2523	4U1	Q								
MI	H	Feb 2003	N8EA	197	124	100	331	52	17,212	8P	H	Sep 2002	8P9JG (N5KO)	164	105	8	277	42	11,634
MI	L	Sep 2004	N8EA	59	111	82	252	44	11,088	8P	L								
MI	Q	Sep 2009	N8EA	28	68	74	170	43	7310	8P	Q								
OH	H	Feb 2003	K8MR	72	128	109	309	52	16,068	C6	H								
OH	L	Sep 2003	K8NZ	78	114	93	285	46	13,110	C6	L	Feb 1999	C6AKP	15	4	2	21	14	294
OH	Q	Sep 2004	N8VW	43	86	50	179	42	7518	C6	Q								
WV	H	Feb 2002	N4ZR	69	100	117	286	48	13,728	HH	H	Sep 1996	HH2AW	48	61	30	139	33	4587
WV	L	Sep 1998	K3LR	62	93	64	219	39	8541	HH	L								
WV	Q	Sep 2003	K5IID	49	52	42	143	34	4862	HH	Q								
IL	H	Sep 2003	AG9A	130	162	73	365	52	18,980	HI	H	Feb 1991	HI8DMX	0	40	0	40	19	2420
IL	L	Sep 2003	K9AA (K9PG)	112	119	59	290	48	13,920	HI	L								
IL	Q	Feb 1999	WO9S	43	66	32	141	41	5781	HI	Q								
IN	H	Sep 2003	N9RV	134	168	87	389	53	20,617	HP	H								
IN	L	Feb 2003	KJ9C	76	95	91	262	48	12,576	HP	L	Feb 2000	HP1AC	50	14	0	64	30	1920
IN	Q	Feb 2008	WT9U	38	16	75	129	38	4902	HP	Q								
WI	H	Feb 2000	K9AA (K9PG)	94	169	69	302	55	16,610	J7	H								
WI	L	Feb 2008	N9CK	70	126	115	311	48	14,928	J7	L	Feb 2007	J79WI (W9WI)	11	74	2	87	34	2958
WI	Q	Sep 2010	KA9FOX	69	90	62	221	43	9503	J7	Q								
CO	H	Feb 2003	N2IC	154	151	84	389	52	20,228	KP2	H	Sep 2010	NP2X	95	134	0	229	43	9847
CO	L	Feb 2008	KØEU	62	115	99	276	42	11,592	KP2	L								
CO	Q	Feb 2009	WØMU	12	50	55	117	33	3861	KP2	Q								
IA	H	Sep 2008	NØNI (AG9A)	108	134	108	350	47	16,450	KP4	H	Feb 2004	NP4Z	49	150	54	253	48	12,144
IA	L	Sep 1998	KØRX	70	84	73	227	43	9761	KP4	L								
IA	Q	Sep 2006	AKØM	32	26	0	58	22	1276	KP4	Q	Feb 2004	K1ZZ/KP4	1	18	3	22	14	308
KS	H	Sep 2007	WØBH	83	99	97	279	44	12,276	PJ6	H	Sep 2011	PJ6/K9VV	23	30	0	53	25	1325
KS	L	Sep 2004	K3LR	95	94	67	256	41	10,496	PJ6	L								
KS	Q									PJ6	Q								
MN	H	Feb 2003	KØSR	98	127	83	308	50	15,400	TG	H								
MN	L	Sep 2003	NAØN	112	125	51	288	47	13,536	TG	L	Sep 2001	TG9/N5KO	150	0	0	150	42	6300
MN	Q	Sep 2009	KEØG	44	75	35	154	34	5236	TG	Q								
MO	H	Sep 1996	K4VX (WX3N)	104	133	95	332	46	15,272	V4	H	Feb 1996	V4ØZ (AA7VB)	0	21	33	54	23	1242
MO	L	Sep 2011	NØAX	42	130	86	258	44	11352	V4	L								
MO	Q	Sep 2004	NJ4X	61	99	38	198	41	8118	V4	Q								
ND	H	Feb 2002	WBØO	124	106	88	318	47	14,946	VP2E	H	Feb 2009	VP2E (N5AU)	58	90	71	219	40	8760
ND	L	Feb 1998	WØHSC (KBØO)	49	96	72	217	36	7812	VP2E	L								
ND	Q									VP2E	Q								
NE	H	Sep 2008	WW2Y	57	101	98	256	42	10,752	VP9	H	Feb 1985	W6OAT/VP9	43	93	66	202	31	6262
NE	L	Sep 2006	WW2Y	59	102	61	222	45	9990	VP9	L	Sep 2009	KM3T/VP9	84	83	60	227	42	9534
NE	Q	Feb 2003	W8TM	0	116	0	116	41	4756	VP9	Q								
SD	H	Feb 2003	WDØT	115	124	108	347	47	16,309	XE	H	Sep 1990	XE2XA (WN4KKN)	134	127	44	305	47	14,335
SD	L	Sep 2009	NØSXX	19	84	45	148	36	5328	XE	L	Sep 2003	XF1K (N6AN)	113	85	39	237	47	11,139
SD	Q									XE	Q								
VE1	H	Feb 2004	VO1AU	36	79	0	115	40	4600	ZF	H	Sep 1992	ZF2KI (K1KI)	154	90	7	251	49	12,299
VE1	L	Sep 2000	VE9DX (K5NZ)	99	56	28	183	40	7320	ZF	L	Sep 2008	ZF2BJ (KØBJ)	86	78	80	244	41	10,004
VE1	Q									ZF	Q								
VE2	H	Sep 1988	VE2ZP	75	98	41	214	41	8774	9A	H	Sep 2000	9A6XX	29	0	0	29	19	551
VE2	L	Feb 2003	VE2AWR	49	77	26	152	39	5928	A7	H	Sep 2009	A7/MØFGA	7	0	0	7	8	56
VE2	Q									CT	H	Sep 1998	CT1BOH	122	76	27	225	40	9000
										DL	H	Feb 2006	DJ1YFK	0	30	12	42	21	882
VE3	H	Feb 2000	VE3EJ	90	93	87	270	50	13,500	EA8	H	Feb 1994	EA1AK/EA8	15	21	0	36	21	756
VE3	L	Sep 2010	VE3DZ	78	98	93	269	44	11,836	F	H	Sep 1990	F/N6TR	100	78	18	196	38	7448
VE3	Q									G	H	Feb 2002	G4BUO	45	84	31	160	40	6400
										HC8	H	Feb 2000	HC8N (N5KO)	142	121	8	271	52	14,092
VE4	H	Sep 2003	VE4/WBØO	136	130	0	266	45	11,970	I	H	Sep 1998	IKØHBN	64	26	10	100	35	3500
VE4	L	Sep 2006	VE4XT	22	92	16	130	42	5460	JA	H	Feb 1991	7J1AAI	13	0	0	13	9	117
VE4	Q									KH2	H	Sep 2010	KH2/N2NL	35	0	0	36	23	828
										KH6	H	Sep 2006	KH6/W6PH	77	52	0	129	40	5160
										LU	H	Feb 2003	LU1FAM	74	18	0	92	35	3220
VE5	H	Sep 2000	VE5DX	122	92	50	264	43	11,352	LY	H	Sep 2000	LY4AA	107	56	0	163	38	6194
VE5	L	Feb 2003	VE5SF	106	119	12	237	49	11,613	LZ	H	Sep 2010	LZ5R (LZ4UU)	4	105	16	125	42	5250
VE5	Q									OH	H	Sep 1998	OH1NOA	56	0	0	56	22	1232
										ON	H	Sep 2007	ON5ZO	1	10	0	11	9	99
VE6	H	Feb 2000	VE6EX	n/a	n/a	n/a	228	43	9804	P4	H	Sep 2007	P4Ø/W2GD	105	82	33	220	41	9020
VE6	L	Sep 1999	VE6EX	117	64	14	195	46	8970	PY	H	Sep 1980	PY8ZPJ	28	1	0	29	14	406
VE6	Q									UA9	H	Feb 2000	RUØSN	15	0	0	15	13	195
										UN	H	Sep 2000	UP6F	13	0	0	13	10	130
VE7	H	Feb 2000	VA7RR	151	128	37	316	48	15,168	VK	H	Sep 1994	VK5GN (N6AA)	48	0	0	48	22	1056
VE7	L	Sep 2006	VA7ST	62	46	49	157	39	6123	ZD8	H	Sep 1990	ZD8Z (N6TJ)	116	93	19	228	43	9804
VE7	Q									ZS	H	Feb 2000	ZS1ESC (N6AA)	51	0	0	51	18	918
VE8	H	Feb 2000	VY1JA	36	0	0	36	22	792										
VE8	L																		
VE8	Q																		