



Final Results: North American Sprint CW February 2023

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(These are the final results which include the Top Ten scores from all categories and overlays. This is the complete results article. A summary article will be included in an upcoming issue of NCJ.)

The North American CW Sprint began in September 1977 with N6BT winning among 90 entrants, and has taken place twice yearly, in the winter and fall ever since. This February's was the ninety-second running of the CW Sprint. Twenty-one different operators have won it, with an even smaller group of truly outstanding ops notching ten or more wins: N5TJ – 15 (Jeff won it 11 times consecutively!), N6TR – 14, N2IC – 12, and N5KO – 10 are the “best of the best” in this CW challenge of speed, accuracy, and agility.

Unfortunately, we had to deal with some severe winter weather that wasn't restricted to the Frozen North. Truly awful ice and wind took down dozens of antenna farms in Texas, making it a semi-rare multiplier for the first time ever. The photos of towers stripped bare, or antennas twisted into ice-glazed pretzels were terrible to see. It will be hard and dangerous work to put those systems together again.

Farther east, the storm did a serious number on the New England and Canadian stations from Ontario east and north all the way to Labrador, putting a serious dent in their numbers with wind-whipped snow and plunging temperatures. To those of you who did make a few QSOs despite it all, thanks, and we hope to see you back on the air next time with kinder conditions!

The NA Sprint runs same-ul-timeously with the VT and BC QSO parties and the FOC Marathon so there was lots of CQing action on the band. It's good operating to just call 'em, send an exchange, and ask for a “name and number,” most will give NR 1 and a name. If they give a four-digit FOC number, just log what they send. Be sure to give them what they need. Thanks to the VT and BC ops for handing out very welcome multipliers and we hope that the Sprinters filled your logs, too.



Vic, VE3YT, looks like he just won a jump ball (beat other callers) and completed a doublet (back-to-back QSOs) for new multipliers! “That went fast at the end, suddenly it was over. I normally run high power but decided to try 100 watts and got beat out more with multiple callers, and had to repeat my number more, but otherwise it wasn't so different with the great ops out there listening. Best 73! (Photo courtesy Vic Diccio, VE3YT)

Multipliers

Sixty multiplier locations (!) were represented in February, with the top-five most contacts coming from CA, TN, FL, PA, and NJ. It was nice to see Steve, KL7SB, active and taking advantage of the good conditions from the North Pole Contest Club in Nikiski. (Steve submitted a checklog if you wonder why his score isn't listed in the results.)

Top Ten Multipliers	
Call	QSOs
K4RO	53
N6TR	53
KØEJ	52
N5ZO	52
N6AA	52
N9RV	52
W9RE	52
K3LR	51
K7SS	51
N2NL	51

Speaking of rare locations:

VE1RM/W1VE at VY1CO: With VY1JA's station down, VY1CO was able to host my remote operation with only fifteen minutes setup! Not being a regular Sprint participant, I had low numbers but a lot of fun. Aurora was killing me on 80 meters, so did not even give that band a try.

I am sure the 93 Sprinters who logged a QSO with Gerry (using VY1CO's real name, "Scott") did a cartoon-esque double take when copying VY1...!!! This was the first-ever NT Sprint activation of any size, and we all hope it won't be the last. No VY1CO log was submitted, so the records are all still available for the grabbing! Jim, K8MR, must be living right as he worked KL7SB and VY1CO back-to-back!

The five multipliers with the fewest contacts included 8P, NFLB, and KP4, along with OK and ME with a single contact each. Mike, VE9AA, poked his head out of the snow and made one QSO with someone before prudently deciding to come back another day, while Joe, VO1BQ, stuck it out for two!

VE9AA: -49C wind chill and fragile overhead power lines don't mix.

With N2IC not on the air, NM was a little harder to find than usual – harder even than NT with only 72 stations logging the Land of Enchantment. (N2IC was aiding the forest firefighting efforts there — thank you, Steve!). Other multipliers with fewer than 20 log-checked QSOs were: RI – 20, WV – 15, UT – 6, 8P – 6, NL (VO1/VO2) – 3, and PR (KP4) – 3.

The ongoing effort by NØAX and others to encourage operation in additional states seems to pay off. If you know someone in a rare location, encourage them to get on and give the Sprint a try. Or maybe go for the shortest DXpedition ever!

The Big Noise

Top Ten Scores									
Call	Score	QSOs	Mults	Band Chgs	QSOs Lost	00Z	01Z	02Z	03Z
N9RV	18,980	365	52	122	1	116	75	88	86
N5KO	18,309	359	51	141	2	100	94	86	79
N6TR	18,073	341	53	52	3	104	99	73	65
N2NT	17,187	337	51	132	5	99	81	83	74
K4RO	17,066	322	53	118	2	88	82	84	68
W9RE	17,004	327	52	135	2	95	77	84	71
N5ZO	16,380	315	52	88	5	99	74	68	74
N6TV	16,320	320	51	28	4	102	78	72	68
N2NL	16,218	318	51	2	4	95	85	68	70
N6AA	15,860	305	52	2	3	89	67	69	80



Not only did Pat, N9RV, win the contest, but he also set a new MT record. He was certainly loud during the whole contest and with good propagation we see what can be achieved from usually difficult states. Pat got so close to winning the contest with an all-time largest Golden Log – he only busted one stinkin’ QSO — that is world-class accuracy! If you want an idea for improving your score, take a look at the QSOs Lost column in the Top Ten table. (Photo courtesy Pat Barkey, N9RV)

Participation in the Sprint is addictive but challenging. Eighty-nine different ops have made it into the Top Ten in at least one CW Sprint, so there are plenty of successful outings over the history of this contest.

Top Ten Scores – Low Power									
Call	Score	QSOs	Mults	Band Chgs	QSOs Lost	00Z	01Z	02Z	03Z
K7SV	14,259	291	49	8	6	82	78	62	69
KØEU	14,160	295	48	52	9	81	81	71	62
W8WTS	12,480	260	48	101	6	66	64	69	61
NAØN	12,455	265	47	81	4	77	62	63	63
NØAX	11,808	246	48	2	5	55	52	65	74
WQ5L	11,638	253	46	2	3	67	66	59	61
KJ9C	11,270	245	46	2	2	62	66	63	54
NØAT	10,736	244	44	8	8	54	60	65	65
K1GU	10,704	223	48	2	5	45	64	55	59
K3UA	10,472	238	44	2	4	55	63	75	45

Almost always active in the Wednesday evening CWops (cwops.org) one-hour sessions, “Lar” is a walking advertisement for practice making perfect. This time, he heads the low power crowd, chased by Randy, KØEU, and just eking out the category win after log checking. (Photo courtesy Larry Schimelpfenig, K7SV)



Top Scores – QRP									
Call	Score	QSOs	Mults	Band Chgs	QSOs Lost	00Z	01Z	02Z	03Z
KE3X	11,040	230	48	8	10	57	62	62	49
K5NZ	7,134	174	41	14	1	53	42	49	30
K8CN	4,921	133	37	12	7	26	35	38	34
W4ER	1,768	68	26	3	3	0	0	28	40
W6AQ	1,040	40	26	0	4	30	10	0	0
N6HI	720	40	18	2	5	15	10	8	7
WC7S	48	8	6	1	2	5	3	0	0
NH6O	4	2	2	0	0	2	0	0	0

QRP winner and all-time record holder, Ken, KE3X, operated at N4RV’s station in Virginia, surprising folks who expected him to send DC for a multiplier! Watch out for those prefill databases — copy what the station sends! Ken says, “The station played great, and bands were excellent. SO1R and about ten band changes (240 QSOs!) Still the most fun four hours in radio with the best ops. Hard to ask for repeats on the number when the other station starts a new QSO, and I can’t get their attention with 5 W. Sometimes I can figure it out from the next sequential number, sometimes not, and the station is gone.”

It’s a Team Game

Congratulations to our top team from Northern California – a veritable who’s who from the West Coast. They were just 1,500 points ahead of the Southeast Sprint Coalition #1 from the other side of the continent. As the solar flux keeps rising, look for some serious lead changing to go on between these competitive groups.

Winning Team - NCCC Team #1	
N5KO	18,309
N6TV	16,320
K6XX	14,208
W6YX	13,410
N6ZFO	11,730
	73,977

The roster of teams seemed a little light this time out. Not one team from W1 which I'm sure was weather-related. That said, let's see if we can get our club members and contest buddies on a team next time. It's a great way to encourage new Sprinters and to bring back past Sprinters who might enjoy getting back in the fray. All you have to do is ask and the team registration process at ncjweb.com couldn't be easier!

Those New Records

New specific records were set in four different categories:

- KE3X is now on top of the all-time QRP score list!
- NH6O was the first QRP entry from KH6 and perhaps the "wild and wooly most QSO/watt/distance prize."
- N9RV increased his own HP record by a mere 100 points, winning the contest in the process.
- K7SS may have lost his QRP title to KE3X but now holds all three power category records from WA with 308 QSOs and 51 Mults operating HP SO1R from a city-lot station — it can be done!



Ken, KE3X, operating at N4RV in VA, has seized the top all-time QRP record after chasing the K7SS mark from February 2002 for a decade! Here he is on the left with Mark, KD4D, another familiar contesting call sign. (Photo courtesy Ken Low, KE3X)

Scatter Shots

Golden Logs (more than 100 contacts)	
Call	QSOs
K1AR	306
W2RQ	287
K1KI	223
AE6Y	163
N2RC	100

It's always great to see big logs with no errors after log checking has done a thorough cross-check. Accurate copy is one of the reasons why radiosport was invented — to train operators to get the information through. Congratulations on a job well done to all our Golden Loggers!

Top Ten QSO Totals	
Call	QSOs
N9RV	365
N5KO	359
N6TR	341
N2NT	337
W9RE	327
N4OGW	323
K4RO	322
N6TV	320
AA3B	319
N2NL	318

It has been a while — 17 years, in fact — that N6TR set the all-time QSO record of 428 in 2005, reaching the fabled “Page Nine.” That’s a reference to submitting a nine-page paper log with 50 QSOs per page. Remember paper logs and pencils? We used to get into arguments about whether to use pre-sharpened wooden pencils or mechanical pencils and whether HB or #2 lead was best — no kidding! Times have changed and it’s no longer a game-changing skill to be able to send CW while holding a writing stick. A little more activity (12 stations, all of whom operate on all three bands) could put a top operator like N9RV into the Page Nine ozone. Encourage your friends to get on and give it a go!

Watts In a Name

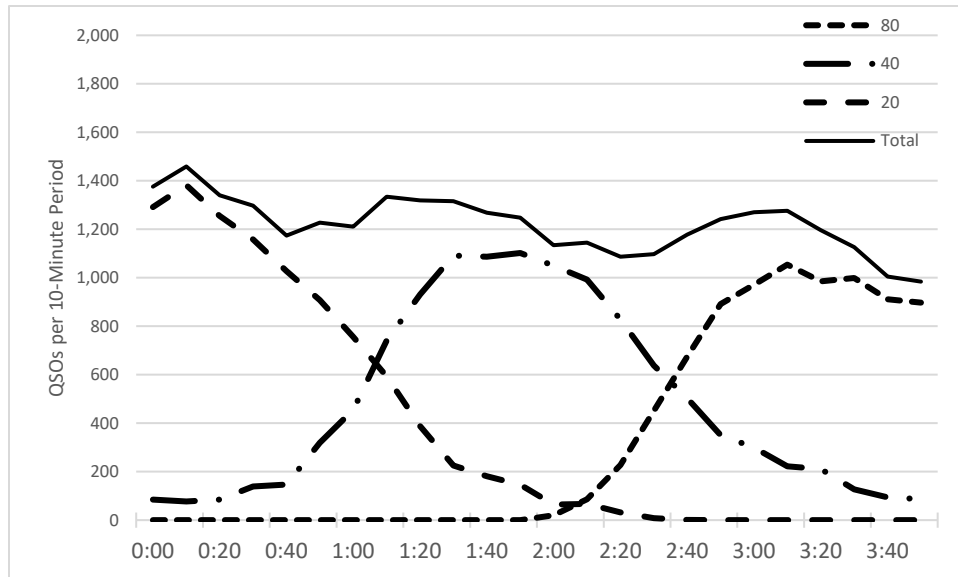
In every contest, it seems, there is a group using the name of an honored friend, usually a Silent Key. This time, we had three: Fred, Bruce, and Ellen. Fred refers to Fred Laun, K3ZO, a top contester for decades and a PVRC member. Bruce Draper, AA5B, was a regular Sprinter from NM and the *QST* Contest Corral editor for many years. Finally, Ellen “LN” White, W1YL was a well-known CW operator and the ARRL’s Communication Manager (and log checker) as ARRL contests evolved in the modern era. All three are missed. It’s an excellent tribute to remember our friends this way.

From The Management: If you do change your exchanged name, be SURE to change your sent message scripts. All of them! Having to change your message name after the contest starts wastes time and it confuses anyone whom you work later so they may go back and change the name in earlier QSOs, thus risking losing a contact unnecessarily. Plus, it causes no end of trouble for the log checkers. So please be sure you are set up to send the right stuff from the git-go. Thanks...

Band by Band

The total of QSOs were down from September 2022’s CW Sprint by about 2,100 with 162 logs submitted. Along with weather challenges, January may have been so full of radio goodness that a number of operators were probably out of gas and maybe available “ham radio points” to spend! The WRTC Award activity plus the two North American QSO Parties, RTTY Roundup, and CQ WW 160 CW contests pretty much burned up the HF bands. And there was the ARRL January VHF+ Contest, too!

Nevertheless, conditions were good. East Coasters mentioned in their comments that 20 meters was usable the entire first hour due to the high solar flux. That really helps keep the contest competitive across the continent as we see 40% of the



Top Ten coming in from locations east of the Mississippi River. There still was less sunlight in February, so 20 meters didn't have September's steady run, peaking and then dropping steadily.

The "crossover points" at which activity levels shift from band to band were also earlier. The 20-40 crossover at about 01:08 was a little earlier than in September but not a lot – about 10 minutes, tops. But the 40-80 crossover, just before 02:40, was definitely earlier. As a result, 80 meters wasn't as full for the entire remaining time, but there was no sudden drop in activity as in September, either!

Ch-Ch-Changes

Talk about keeping the second radio hot, Trey, N5KO (at W6NL), really made SO2R (single-op, two-radio) play with the most changes of anyone. The key (so to speak) seems to be always calling CQ *somewhere*. You have to have your line in the water to catch a fish. Some finesse is required: be ready to answer a caller, don't just blindly call CQ on top of another station, and be comfortable with your logging software so that you send and log the right information. The CWops Wednesday contests (cwops.org) and the Thursday night NS practice sessions (ncccsprint.com) are great ways to hone skills.

Top Ten Number of Band Changes	
Call	Band Changes
N5KO	141
W9RE	135
N2NT	132
AA3B	125
N9RV	122
K4RO	118
N4OGW	114
N4AF	108
W8WTS	101
WJ9B	96

Top Ten High Power - Max 12 Band Changes									
Call	Score	QSOs	Mults	Band Chgs	QSOs Lost	00Z	01Z	02Z	03Z
N2NL	16,218	318	51	2	4	95	85	68	70
N6AA	15,860	305	52	2	3	89	67	69	80
K7SS	15,351	301	51	2	7	88	62	70	81
K1AR	14,688	306	48	2	0	88	79	69	70
N7XU	14,400	288	50	2	13	84	78	60	66
KZ5D	14,304	298	48	4	6	84	82	55	77
KØEJ	14,300	275	52	10	1	71	77	76	51
K3LR	14,229	279	51	2	10	74	74	60	71
K6XX	14,208	296	48	2	7	77	79	66	74
W2RQ	14,063	287	49	12	0	88	75	72	52

Not everybody likes SO2R and might prefer to operate in the traditional 20-then-40-then-80 sequence, squeezing every drop out a band before moving to a new one. Others might be operating from a station without SO2R capability. Either way, it's amazing to see how competitive this technique remains with N2NL and N6AA cracking the overall Top Ten with only the two band changes. The 12-change limit is a compromise threshold for recognizing the different operating styles.

Top Ten Low Power - Max 12 Band Changes									
Call	Score	QSOs	Mults	Band Chgs	QSOs Lost	00Z	01Z	02Z	03Z
K7SV	14,259	291	49	8	6	82	78	62	69
NØAX	11,808	246	48	2	5	55	52	65	74
WQ5L	11,638	253	46	2	3	67	66	59	61
KJ9C	11,270	245	46	2	2	62	66	63	54
NØAT	10,736	244	44	8	8	54	60	65	65
K1GU	10,704	223	48	2	5	45	64	55	59
K3UA	10,472	238	44	2	4	55	63	75	45
KG5U	10,166	221	46	2	2	63	46	60	52
N4OO	9,890	215	46	10	8	50	50	54	61
K7BG	9,324	222	42	4	3	66	41	56	59

(This table incorrectly duplicated the Top Ten Low Power table in ver. 1.02 and has been corrected – Ed.)

Sprint Soapbox

Finally, here are a few of the comments submitted with the logs or from the [3830scores.com](https://www.3830scores.com) postings. It's always fun to get the perspective of stations, big and little, about the contest!

High Power Stations:

- N9RV: Great conditions, no warbly signals. VY1? Are you kidding ... wow! 80 meters was very good in the last hour. *(And then the opposite "take" on 80 — N6TR: 80 meters was tough!)*
- W9RE: Pretty good evening *(with 330 QSOs...you bet!)*. Worked all mults I heard but sure I missed *(Mike mentions seven)* that are on most times.
- N2NL: Activity seemed way down, and it seemed like a major struggle to find anyone new to work at times. Either CQ and get no answers or tune around and only find guys I'd worked before. Only three Qs in the last ten minutes!
- K5ZD: Nice to see 20 stay open so late and yet be able to work the West Coast on 80. Activity seemed down, but not surprising given the rough weather across the country. *(Randy also mentioned the FOC QSO Party and VT and BC QSOs parties where enticing QSO/Mults are active but not usually available to Sprinters.)*
- KP2M: 80 meters is a struggle *(from VI)* so I stayed late on 20 and 40. *(Note, always good to check 20 meters late for this reason)*
- W4EF/6: The last hour on 80 was punishment... felt like sand was kicked in my face.
- N5RZ: A rough week in Texas with the ice storm... took out five antennas and electricity loss messed up Gator's computer access. Power went out 30 minutes in the Sprint and lost ten minutes more and had to reboot the PC and reconfigure other devices. All in all, lost thirty minutes. *(Two band changes: Gator wins the "never give up" award.)*
- N2GC: Can't believe it's been seven years since I last did a Sprint. It was certainly fun.
- AE6Y: Could only operate two hours due to a family conflict but had lots of fun. Every so often you get into "Sprint rhythm" and it's magical.
- KA6BIM: Sorry to slow everyone down. By the time I figured out who was calling, they were working someone else. Took me a while to get in the swing of it. *(You'll be ready next time!)*

Low Power Stations:

- KØEU: 80 meters is a bit frustrating as it seems I have a below average signal there. I almost always lose jump balls and CQing is rarely productive. *(Note, Ken posted 95 contacts on 80 in a bit under 1.5 hours and hit 304 overall in his claimed score!)*
- *(The "this sounds familiar" comment)* W8WTS: Jump balls were particularly ferocious.
- *(The "this happened to me too" comment)* NA8V: There were times I would call CQ ten times with no answer and then get five callers!
- *(The "So you thought you had it tough" comment)* K3UA: Had computer interface problems so had to send all exchanges by hand.
- *(The "Last minute diving catch" comment from W1NN operating remotely from Tokyo)* W1NN: On Thursday night I discovered the 20-meter dipole is not working. But then discovered the 80-

meter coax-fed dipole works to some extent on all bands, so that was my antenna on all bands tonight.

- K5RM: This was the second NA Sprint I have ever worked. It's a lot of fun and getting used to the frequency move every other QSO is fun too.

KF6NCX says, "I'm still very much a newbie in the Sprint. I read a couple of articles and advice for beginners, and it was helpful, but in the end, I had to just practice "catch-as-catch-can" and try my best. I had more success calling CQ at the top and bottom end of the action but had more success with S&P." Welcome, Larry – hope to see you in the next one! (Photo courtesy Larry Mitchell, KF6NCX)



QRP Stations:

- K5NZ: Had a headache in twenty minutes but still what fun! Great ops.
- W6AQ (N6AN): Set up my "station" on a park bench in the Tree People Park above Studio City (LA Area), with a KX3 running 5 W, a Begali paddle, a sixty-six-foot doublet on a 30-foot push-up mast, hand sending and logging. Heard some jump balls that a referee would have whistled for a foul, but the calling masses drowned out the requested fill.

It's A Wrap

There's the closing bell, push yourselves back from the keyboard, exhale, and get ready to send in the log! When's the next one, I hear you say? I know the feeling — about the time you get the hang of it, the darn contest is over! You can keep the rust off with the weekly contests and the next Big Show is 0000-0359 UTC, September 10, 2023 with logs due a week later on September 17. Thanks, as always to our primary results author and frequent Sprinter, Jim George, N3BB. This is Jim's last writeup (although not his last rodeo) and we appreciate his hours of work making the results enjoyable for all. Also, many thanks to the Boring Radio Club team for poring over the logs to be sure we got everybody listed in the right order of finish – thank you.

Dit-dit!

73, The Boring Radio Club and the National Contest Journal

LINE SCORES

* – Low Power, ** – QRP

Call	Name	QTH	20	40	80	Total QSOs	Mults	Score	Band Chgs	Team
K5ZD	RANDY	MA	101	118	94	313	50	15,650	64	
K1AR	JOHN	NH	95	114	97	306	48	14,688	2	
K1KI	TOM	CT	106	82	35	223	46	10,258	2	
W1UJ	JAY	MA	63	66	34	163	41	6,683	7	
W1WEF	JACK	CT	69	50	0	119	42	4,998	3	
K8CN	**MIKE	NH	31	65	37	133	37	4,921	12	
K1AV	*PETER	RI	11	10	0	21	15	315	1	
N2NT	ANDY	NJ	96	135	106	337	51	17,187	132	
W2RQ	BILL	NJ	78	108	101	287	49	14,063	12	
N2NC	JOHN	NJ	100	108	88	296	47	13,912	2	
N2GC	MIKE	NY	77	87	95	259	49	12,691	2	Boiled Owls
W2LC	*SCOTT	NY	56	61	55	172	42	7,224	2	
NM2A	*MARK	NY	35	74	43	152	37	5,624	4	
N2RC	MIKE	NY	20	58	22	100	35	3,500	2	
KC2KY	*NEIL	NY	33	34	18	85	33	2,805	2	Boiled Owls
K2UA	RUS	NY	0	77	0	77	34	2,618	0	
AA3B	BUD	PA	97	132	90	319	49	15,631	125	
N3QE	TIM	MD	92	113	96	301	50	15,050	32	
K3LR	TIM	PA	88	96	95	279	51	14,229	2	NCC/MRRC
W2GD	JOHN	PA	87	99	101	287	48	13,776	2	
K9RS	RAY	DE	74	94	77	245	47	11,515	45	
K3UA	*PHIL	PA	47	86	105	238	44	10,472	2	NCC/MRRC
K3KU	*ART	MD	0	56	42	98	39	3,822	3	
WA3AAN	GRANT	PA	23	43	20	86	35	3,010	2	
AG3I	*MARTY	PA	0	18	31	49	28	1,372	1	
K3MD	JOHN	PA	33	14	0	47	25	1,175	1	
N8NA	*KARL	DE	0	42	0	42	23	966	0	
AC5XK	*DON	DC	9	34	0	43	22	946	4	
K4RO	KIRK	TN	93	127	102	322	53	17,066	118	TCG Sprinters
N2NL	DAVE	FL	105	113	100	318	51	16,218	2	Southeast Sprint Coalition #1
N4AF	AL	NC	84	121	97	302	50	15,100	108	
KØEJ	MARK	TN	73	107	95	275	52	14,300	10	TCG Sprinters
K7SV	*LAR	VA	83	118	90	291	49	14,259	8	The Zoomers
K8MR	JIM	FL	106	109	74	289	48	13,872	11	Southeast Sprint Coalition #1
W4WF	CHRIS	FL	83	106	92	281	49	13,769	6	Southeast Sprint Coalition #1
N1LN	BRUCE	NC	77	105	96	278	49	13,622	14	
K4ZW	KEN	VA	84	119	84	287	47	13,489	40	
K4BAI	JOHN	GA	75	101	92	268	48	12,864	2	Southeast Sprint Coalition #1
N4OX	JAY	FL	92	93	68	253	49	12,397	3	Southeast Sprint Coalition #2
KU8E	JEFF	GA	73	91	84	248	47	11,656	2	Southeast Sprint Coalition #2
W4NZ	TED	TN	63	88	80	231	48	11,088	22	TCG Sprinters
KE3X	**KEN	VA	68	81	81	230	48	11,040	8	
NK4O	AJ	FL	93	80	60	233	47	10,951	2	Southeast Sprint Coalition #3
K1GU	*NED	TN	67	82	74	223	48	10,704	2	TCG Sprinters
N4OO	*BRIAN	GA	59	89	67	215	46	9,890	10	Southeast Sprint Coalition #3
N4DW	DAVE	TN	75	75	59	209	47	9,823	10	
K4FN	*DAN	KY	47	95	79	221	42	9,282	2	Southeast Sprint Coalition #2

WF7T	*BRAD	TN	43	90	69	202	41	8,282	6	TCG Sprinters
ND8L	RAY	FL	69	67	51	187	42	7,854	2	
KQ4R	ED	FL	66	74	34	174	45	7,830	10	
KG3V	*TOM	VA	41	77	40	158	40	6,320	10	
KY4ID	*MIKE	SC	53	50	46	149	40	5,960	4	Southeast Sprint Coalition #3
AD4EB	*JIM	TN	30	49	40	119	38	4,522	2	
N4NTO	*TRIPP	NC	2	63	55	120	35	4,200	6	
N4YDU	NATE	NC	11	29	49	89	36	3,204	2	
N4CWZ	DAVE	NC	0	21	43	64	32	2,048	1	
KB4CG	*JACK	VA	31	22	14	67	29	1,943	2	
W4ER	**JOHN	AL	10	29	29	68	26	1,768	3	
K8LF	*JEROME	VA	0	33	0	33	23	759	0	
KT4O	BEN	TN	12	0	0	12	6	72	0	
AF4T	*DOUG	TN	0	8	0	8	8	64	0	
AD4TJ	*TJ	VA	5	5	0	10	6	60	1	
N1XI	*PAUL	NC	9	0	0	9	5	45	0	
N4OGW	TOR	MS	99	135	89	323	48	15,504	114	Southeast Sprint Coalition #1
K5GN	DAVE	TX	101	124	77	302	49	14,798	88	
KZ5D	ART	LA	93	116	89	298	48	14,304	4	
N5RZ	GATOR	TX	92	94	95	281	46	12,926	2	
WQ5L	*RAY	MS	87	105	61	253	46	11,638	2	Southeast Sprint Coalition #2
KG5U	*DALE	TX	45	91	85	221	46	10,166	2	
K5NZ	**MIKE	TX	71	66	37	174	41	7,134	14	
N9NM	*BARB	TX	24	38	18	80	31	2,480	2	
N3BB	JIM	TX	48	0	0	48	29	1,392	0	
WA5BDU	*NICK	AR	25	21	3	49	28	1,372	2	
K5RM	*JOHN	AR	23	22	0	45	21	945	1	
N5KO	TREY	CA	118	142	99	359	51	18,309	141	NCCC Team #1
N5ZO	MARK	CA	108	128	79	315	52	16,380	88	SCCC #1
N6TV	BOB	CA	116	117	87	320	51	16,320	28	NCCC Team #1
N6AA	DICK	CA	116	108	81	305	52	15,860	2	SCCC #1
WD6T	DAVE	CA	106	116	82	304	50	15,200	94	NCCC Team #2
K6XX	BOB	CA	100	106	90	296	48	14,208	2	NCCC Team #1
W6YX	MIKE	CA	103	108	87	298	45	13,410	2	NCCC Team #1
W4EF	MIKE	CA	101	108	72	281	47	13,207	6	SCCC #1
K6LA	KEN	CA	92	104	57	253	48	12,144	20	SCCC #1
N6ZFO	BILL	CA	96	77	82	255	46	11,730	6	NCCC Team #1
AJ6V	ED	CA	96	87	59	242	48	11,616	2	NCCC Team #2
N3ZZ	TOM	CA	85	95	58	238	46	10,948	4	NCCC Team #2
AC6T	STEVE	CA	89	89	57	235	42	9,870	4	SCCC #1
KI6RRN	AXEL	CA	109	67	29	205	48	9,840	2	SCCC #2
AE6Y	ANDY	CA	106	57	0	163	46	7,498	21	NCCC Team #4
W6SX	HANK	CA	72	34	0	106	38	4,028	1	NCCC Team #2
WA6URY	DAN	CA	45	38	7	90	37	3,330	2	
WQ6X	*RON	CA	20	56	18	94	32	3,008	2	SCCC #2
K6MM	JOHN	CA	64	0	0	64	33	2,112	0	NCCC Team #3
N6TTV	*CJ	CA	34	18	0	52	28	1,456	1	NCCC Team #3
W6AQ	**DAVE	CA	40	0	0	40	26	1,040	0	
K6EI	*JIM	CA	24	4	17	45	20	900	4	
NF6R	*BILL	CA	0	25	1	26	16	416	2	NCCC Team #3
WU6P	*NIAN	CA	12	9	0	21	15	315	1	
KF6NCX	*LARRY	CA	9	2	3	14	15	210	7	NCCC Team #4
NH6O	**BOB	HI	2	0	0	2	2	4	0	

N9RV	PAT	MT	116	145	104	365	52	18,980	122	Ice Road Contesters
N6TR	TREE	OR	124	124	93	341	53	18,073	52	Oregon Sprinters
K7SS	DAN	WA	123	105	73	301	51	15,351	2	The Zoomers
N7XU	DICK	OR	86	112	90	288	50	14,400	2	Oregon Sprinters
K6LL	DAVE	AZ	101	122	48	271	50	13,550	2	AOCC Dead-enders
WJ9B	WILL	ID	91	107	72	270	48	12,960	96	
WS7L	CARL	OR	92	95	65	252	47	11,844	2	Oregon Sprinters
KJ9C	*MEL	MT	85	87	73	245	46	11,270	2	Ice Road Contesters
N7DX	TONY	WA	88	94	53	235	42	9,870	2	
KI7Y	JIM	OR	52	77	48	177	39	6,903	3	Oregon Sprinters
AA7V	STEVE	AZ	38	58	49	145	44	6,380	2	AOCC Dead-enders
KA6BIM	DAVE	OR	59	67	0	126	41	5,166	1	NCCC Team #3
N7VS	*STEVE	OR	50	38	19	107	37	3,959	4	
K7RL	MITCH	WA	17	81	0	98	39	3,822	1	
WY7M	CHUCK	WY	35	13	40	88	36	3,168	2	GM Sprints Are Not My Cup Of Tea
W7XT	*DICK	MT	26	40	17	83	29	2,407	5	Ice Road Contesters
W9CF	*KEVIN	AZ	0	39	29	68	28	1,904	3	AOCC Dead-enders
K7QA	TOM	MT	0	24	22	46	27	1,242	1	Ice Road Contesters
N6HI	**JOHN	AZ	26	12	2	40	18	720	2	
WC7S	**DALE	WY	3	5	0	8	6	48	1	GM Sprints Are Not My Cup Of Tea
K7GZP	*DAVE	OR	5	0	0	5	5	25	0	
KW8N	BOB	OH	72	113	98	283	48	13,584	14	NCC/MRRC
W8WTS	*JIM	OH	68	108	84	260	48	12,480	101	NCC/MRRC
NA8V	GREG	MI	84	111	87	282	44	12,408	36	The Zoomers
W1NN	*HAL	OH	62	80	91	233	44	10,252	22	NCC/MRRC
K9NW	*MIKE	OH	23	95	0	118	37	4,366	3	Speedy 'Guan-zaleros
N4RA	*DICK	WV	8	2	0	10	6	60	1	
W9RE	MIKE	IN	99	143	85	327	52	17,004	135	The Zoomers
K9BGL	KARL	IL	63	105	82	250	45	11,250	12	
N9LQ	JOEL	IL	65	68	71	204	38	7,752	2	
N9TTK	JUSTIN	IN	32	72	80	184	42	7,728	6	
KYØQ	*RICK	IL	33	64	68	165	37	6,105	8	
AA9RK	*MIKE	WI	5	62	21	88	34	2,992	2	
KG9X	*FRED	IL	0	20	33	53	29	1,537	1	
AJ9C	MIKE	IN	0	13	8	21	16	336	1	Speedy 'Guan-zaleros
AG9A	*MARK	IL	0	16	0	16	10	160	0	
KØEU	*KEN	CO	98	106	91	295	48	14,160	52	GM Ski Team Dashers
NAØN	*PAT	MN	74	113	78	265	47	12,455	81	
NØAX	*WARD	MO	69	114	63	246	48	11,808	2	Speedy 'Guan-zaleros
NØAT	*RON	MN	67	92	85	244	44	10,736	8	
NØTA	JOHN	CO	66	100	76	242	44	10,648	2	GM Ski Team Dashers
WØBH	BOB	KS	55	80	73	208	47	9,776	4	
KØVBU	BILL	KS	36	84	87	207	46	9,522	4	The Zoomers
K7BG	*MATT	SD	88	78	56	222	42	9,324	4	
WØETT	KEN	CO	66	63	51	180	41	7,380	7	GM Ski Team Dashers
WØCO	*BRAD	CO	52	79	56	187	39	7,293	6	GM Ski Team Dashers
N7WY	*BOB	MO	48	65	54	167	42	7,014	2	
KØUK	*BILL	CO	53	64	45	162	42	6,804	23	GM Ski Team Dashers
N9HDE	*SCOTT	IA	0	66	29	95	36	3,420	1	
WØZA	*GREG	NE	18	23	24	65	25	1,625	4	GM Sprints Are Not My Cup Of Tea
NØGN	PAUL	NE	23	17	13	53	24	1,272	2	
ACØW	*BILL	MN	0	23	13	36	22	792	1	
ACØE	JIM	KS	0	6	0	6	6	36	0	

KP2M	PHIL	KP2	108	111	66	285	49	13,965	3	
VE3YT	*VIC	ON	57	94	79	230	41	9,430	34	
VE5SF	*SAM	SK	81	77	54	212	43	9,116	2	
NP2X	ED	KP2	94	75	1	170	49	8,330	42	Southeast Sprint Coalition #2
VE5MX	TODD	SK	88	0	0	88	36	3,168	0	
VE3KOT	*GENE	ON	11	56	0	67	29	1,943	1	
VA6RCN	*KEVIN	AB	14	18	5	37	19	703	8	
VO1BQ	JOE	NFLB	2	0	0	2	2	4	0	

TEAM SCORES

NCCC Team #1	
N5KO	18,309
N6TV	16,320
K6XX	14,208
W6YX	13,410
N6ZFO	11,730
	73,977
Southeast Sprint Coalition #1	
N2NL	16,218
N4OGW	15,504
K8MR	13,872
W4WF	13,769
K4BAI	12,864
	72,227
The Zoomers	
W9RE	17,004
K7SS	15,351
K7SV	14,259
NA8V	12,408
KØVBU	9,522
	68,544
SCCC #1	
N5ZO	16,380
N6AA	15,860
W4EF	13,207
K6LA	12,144
AC6T	9,870
	67,461

5. TCG Sprinters (K4RO, KØEJ, W4NZ, K1GU, WF7T)	61,440
6. NCC/MRRC (K3LR, KW8N, W8WTS, K3UA, W1NN)	61,017
7. Southeast Sprint Coalition #2 (N4OX, KU8E, WQ5L, K4FN, NP2X)	53,303
8. Oregon Sprinters (N6TR, N7XU, WS7L, KI7Y)	51,220
9. GM Ski Team Dashers (KØEU, NØTA, WØETT, WØCO, KØUK)	46,285
1Ø. NCCC Team #2 (WD6T, AJ6V, N3ZZ, W6SX)	41,792

11. Ice Road Contesters (N9RV, KJ9C, W7XT, K7QA)	33,899
12. Southeast Sprint Coalition #3 (NK4O, N4OO, KY4ID)	26,801
13. AOCC Dead-enders (K6LL, AA7V, W9CF)	21,834
14. Speedy 'Guan-zaleros (NØAX, K9NW, AJ9C)	16,510
15. Boiled Owls (N2GC, KC2KY)	15,496
16. SCCC #2 (KI6RRN, WQ6X)	12,848
17. NCCC Team #3 (KA6BIM, K6MM, N6TTV, NF6R)	9,150
18. NCCC Team #4 (AE6Y, KF6NCX)	7,708
19. GM Sprints Are Not My Cup Of Tea (WY7M, WØZA, WC7S)	4,841