

Final Results: North American Sprint CW February 2022

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(These are the final results and 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.)

As an overview, not only did the February 2022 CW Sprint attract the "usual suspects," expert ops who have made this one of the toughest contests not only to win but to place in the Top Ten, but in addition, we also enjoyed a large number of "Sprint first timers," some twenty-five ops in all. Welcome aboard and welcome back!

Ed, AI6O – A first-time participant in the CW Sprint. Welcome! (Photo courtesy Ed Felter, AI6O)

The total number of logs making their way into the log-checking computer system



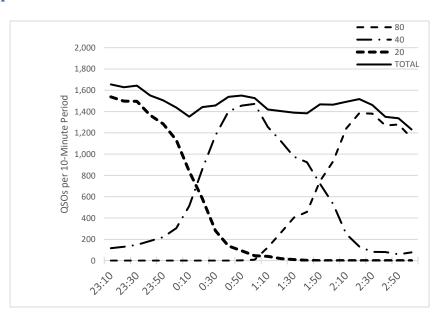
caverns totaled 191. This was down 15% from 215 during the pandemic-powered surge a year earlier. But it was the same amount of increase over September's 160! Looking over the totals since 2012, we find a lot of volatility with the increases and decreases, yet the trend is steadily upward over this time frame. In fact, three of the four last years have seen three of the largest number of logs received in the past decade.

It's clear that radio club encouragement as well as wide-ranging promotions through email and social media make, and have made, a positive difference. If you enjoy this scramble, where high-level CW capability and constant QSYing make a difference, please join us in attracting more operators to the NA Sprints, both CW and RTTY! All it takes is a nudge and a little encouragement.

Frequent contester Alan K6SRZ gets on from
California for almost every Sprint. (Photo courtesy Alan Eshelman, K6SRZ)

Band-by-Band Action

Figure 1 at right shows the distribution of contacts in each ten-minute segment by band. While the general idea is to start on 20 meters and "milk the contacts" while the band is open, good ol' 40 meters contributed from the very start. Twenty meter activity peaked at the start in the 23:00-23:30Z slot and declined thereafter, while 40 meters peaked from 00:40-01:10Z, and 80 meters dominated after 02:10Z. The peak period on



each band is roughly thirty minutes long.

What's extra interesting about this view of the contest are the *cross-over points* where activity on the "next" band takes over. In this contest, 20 handed the baton to 40 at 00:15, about 1 hour and 15 minutes into the contest. Similarly, 80 surged into the lead just after 01:50. These cross-over times say a lot about conditions for the contest. In last year's February contest, with somewhat disturbed conditions, 20 meters gave way to 40 meters only 45 minutes into the contest. That left 40 to carry the load but there are only so many contacts to be made on one band, so attention turned to 80 meters with 90 minutes to go. This year, with one hour of extra sunlight, 20 was busy longer at the start, so we had three more evenly balanced peaks.

Forty meters made up 40% of all QSOs while 20 and 80 meters contributed 30% each. All in all, approximately 35,000 contacts were submitted for log checking and make up the data set analysis.



Photo 2: Regular sprinters Howie N4AF, John K4BAI, and Dennis K2SX. We're working on Jim K4QPL and Alan AA4FU! (Photo courtesy...)

Top Ten Overall

The steep ramp-ups and fall-offs from band-to-band enables good SO1R operators to do very well — in fact, the overall winner, Tree N6TR, was a SO1R log with only two band changes as was Dave N2NL in sixth place. Tree and Dave are amazing ops, but this really is unusual in these days of interleaving two-band expertise. Mixed in were four actively-SO2R stations — N2IC, N9RV, N5KO, and N06T. W9RE, K4RO, and N2NL in a north-south line were the farthest east with N6TR and N9RV the most northerly.

				Top Ten	Scores				
Call Sign	Score	QSOs	Mults	Band	QSOs	00Z	01Z	02Z	03Z
				Changes	Lost				
N6TR	18,326	374	49	2	3	106	98	89	81
N2IC	17,900	358	50	136	5	97	98	86	77
N9RV	17,376	362	48	116	2	104	82	89	87
N5KO	16,992	354	48	112	6	96	95	78	85
NO6T	16,560	345	48	132	12	87	93	85	80
N2NL	15,888	331	48	2	4	91	78	72	90
K5GN	15,840	330	48	122	6	95	78	81	76
N6TV	15,744	328	48	48	3	94	89	69	76
W9RE	15,744	328	48	116	5	92	75	87	74
K4RO	15,600	312	50	120	4	95	69	83	65

Top Ten Scores – Max 12 Band Changes											
Call Sign	Score	QSOs	Mults	Band	QSOs	00Z	01Z	02Z	03Z		
				Changes	Lost						
N6TR	18,326	374	49	2	3	106	98	89	81		
N2NL	15,888	331	48	2	4	91	78	72	90		
K5TR	15,453	303	51	2	7	88	70	70	75		
K5ZD	15,024	313	48	6	0	88	80	77	68		
K6XX	14,847	303	49	4	7	82	72	62	87		
KP2M	14,536	316	46	3	5	88	83	78	67		
K6LL	14,429	307	47	2	4	88	79	67	73		
N5RZ	14,265	317	45	2	4	93	80	66	78		
N5TJ	14,006	298	47	2	4	85	77	58	78		
N7XU	13,892	302	46	2	2	85	79	56	82		

It seems more and more entries are "SO1R-ish," at least making very few band changes in the Sprint. Lots of activity helps — 300 QSOs were in-reach for both SO2R and SO1R stations. K5ZD's 313-QSO Golden Log is also noteworthy.

Top Ten — Low Power

KØEU, K7SS, and K7SV all cracked the very tough 13,000 score mark with 100 watts. Very impressive! A full half of the Top Ten, five ops, did it with only two band changes. Perhaps this SO2R interleaving thing is not what it's cracked up to be! Also noted, two of the top LP ops had Golden Logs. There are some impressive ears in there as well.

		тор	i en Scores	- LOW PO	ower			
Score	QSOs	Mults	Band	QSOs	00Z	01Z	02Z	03Z
			Changes	Lost				
13,950	310	45	41	2	88	77	70	75
13,440	280	48	2	6	92	72	57	59
13,066	278	47	54	5	82	59	71	66
10,994	239	46	2	4	73	58	52	56
10,912	248	44	2	2	61	58	66	63
10,578	246	43	114	6	69	53	62	62
10,516	239	44	2	0	47	69	60	63
9,800	245	40	78	0	66	59	61	59
9,724	221	44	23	2	49	52	68	52
9,717	237	41	2	2	57	69	50	61
	13,950 13,440 13,066 10,994 10,912 10,578 10,516 9,800 9,724	13,950 310 13,440 280 13,066 278 10,994 239 10,912 248 10,578 246 10,516 239 9,800 245 9,724 221	Score QSOs Mults 13,950 310 45 13,440 280 48 13,066 278 47 10,994 239 46 10,912 248 44 10,578 246 43 10,516 239 44 9,800 245 40 9,724 221 44	Score QSOs Mults Band Changes 13,950 310 45 41 13,440 280 48 2 13,066 278 47 54 10,994 239 46 2 10,912 248 44 2 10,578 246 43 114 10,516 239 44 2 9,800 245 40 78 9,724 221 44 23	Score QSOs Mults Band Changes QSOs Lost 13,950 310 45 41 2 13,440 280 48 2 6 13,066 278 47 54 5 10,994 239 46 2 4 10,912 248 44 2 2 10,578 246 43 114 6 10,516 239 44 2 0 9,800 245 40 78 0 9,724 221 44 23 2	Changes Lost 13,950 310 45 41 2 88 13,440 280 48 2 6 92 13,066 278 47 54 5 82 10,994 239 46 2 4 73 10,912 248 44 2 2 61 10,578 246 43 114 6 69 10,516 239 44 2 0 47 9,800 245 40 78 0 66 9,724 221 44 23 2 49	Score QSOs Mults Band Changes QSOs Lost 00Z 01Z 13,950 310 45 41 2 88 77 13,440 280 48 2 6 92 72 13,066 278 47 54 5 82 59 10,994 239 46 2 4 73 58 10,912 248 44 2 2 61 58 10,578 246 43 114 6 69 53 10,516 239 44 2 0 47 69 9,800 245 40 78 0 66 59 9,724 221 44 23 2 49 52	Score QSOs Mults Band Changes QSOs Lost 00Z 01Z 02Z 13,950 310 45 41 2 88 77 70 13,440 280 48 2 6 92 72 57 13,066 278 47 54 5 82 59 71 10,994 239 46 2 4 73 58 52 10,912 248 44 2 2 61 58 66 10,578 246 43 114 6 69 53 62 10,516 239 44 2 0 47 69 60 9,800 245 40 78 0 66 59 61 9,724 221 44 23 2 49 52 68

Top Ten Scores – Low Power – Max 12 Band Changes										
Call Sign	Score	QSOs	Mults	Band	QSOs	00Z	01Z	02Z	03Z	
				Changes	Lost					
K7SS	13,440	280	48	2	6	92	72	57	59	
WQ5L	10,994	239	46	2	4	73	58	52	56	
KJ9C	10,912	248	44	2	2	61	58	66	63	
NØAX	10,516	239	44	2	0	47	69	60	63	
K1HT	9,717	237	41	2	2	57	69	50	61	
N5EE	9,553	233	41	2	3	53	66	55	59	
K3UA	9,198	219	42	2	5	51	52	66	50	
W2LC	9,198	219	42	2	5	52	55	59	53	
K1GU	9,114	217	42	2	4	55	54	50	58	
WW4XX	8,944	208	43	2	7	50	53	49	56	

Top Scores - QRP

Three stations went the full four hours with 5 watts. A fourth, David N6AN, was able to work in three serious hours before the mountain peak operation got to him. Dale WC7S was handing out the Wyoming multiplier to those with good ears and Dan VE6EX in Alberta was welcome, too. Our three new state records were all QRP: W4ER (AL), N5ER (AR), and VE6EX (AB). Nice work fellows!

Top Scores – QRP											
Call Sign	Score	QSOs	Mults	Mults Band QSOs		00Z	01Z	02Z	03Z		
				Changes	Lost						
W4ER	4,940	130	38	6	2	27	38	26	39		
NN7SS	4,900	140	35	2	10	44	34	37	25		
K8CN	3,317	107	31	19	6	22	33	26	26		
N6AN	2,025	75	27	3	0	35	22	18	0		
N5ER	1,275	51	25	10	5	7	0	14	30		
WC7S	1,224	51	24	5	5	19	15	17	0		
VE6EX	920	46	20	1	10	12	21	13	0		



Phil, KP2M/KT3Y made a lot of sprinters happy this time with a big signal from the VI (Virgin Islands) multiplier. (Photo courtesy Phil Allardice, KT3Y)

Leader Summaries

The Top Ten total QSOs list was quite impressive. You had to make at least 328 contacts to make it into this group! Perhaps with a little more activity, the fabled "Page 9" (400 QSOs on the old 50-QSO paper logs sheets) could be within reach.

While the number of QSOs is important, the old "Mult Whammy" is really "key." Larry, K5OT, at the key of the fine K5TR setup in central Texas, notched 51 mults to top the field. Eight ops had at least 49 mults. Good ears for sure, and perhaps a bit of good luck

Call Area, Province, and DX

pixie dust, are necessary to reach that table. The five most-worked multiplier entities were CA, TX, CO, OR, and TN while the toughest five with at least one contact reported were SD, Cuba, SC, UT, and PR.

Top scores were made all across the continent. While there are always favored areas in any contest, it's important to recognize that there can be terrific achievements from anywhere.

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Top Ten QSO Totals		Top Ten N	Aultipliers	Leaders		
Call Sign	QSOs	Call Sign	QSOs	Call	QTH	Score
N6TR	374	K5TR	51	K5ZD	MA	15,024
N9RV	362	K4RO	50	N2NT	NJ	15,410
N2IC	358	N2IC	50	K3LR	PA	13,524
N5KO	354	KØRF	49	N2NL	AL	15,888
NO6T	345	K3LR	49	N2IC N5KO	NM CA	17,900 16,992
N2NT	335	K6XX	49	NSKO N6TR	OR	18,326
N5ZO	332	N6TR	49	NA8V	MI	13,524
N2NL	331	W2GD	49	W9RE	IN	15,744
K5GN	330	Many	48	KØRF	CO	15,190
N6TV	328	ivially	40	VE9AA	NB	9,711
	323			KP2M	PR	14,536
Golde	en Logs			Top Ten	Band Chai	nges
/manua +han						
(more than	100 contacts)	While every entrant	is aware of the	Call Sign		Band
•	•	•		Call Sign	(Band Changes
Call Sign	QSOs	comprehensive cros	s-checking and	Call Sign N4AF	(
Call Sign K5ZD	QSOs 313	•	s-checking and	_	(Changes
Call Sign	QSOs	comprehensive cros	s-checking and right" with the	N4AF	(Changes 140
Call Sign K5ZD	QSOs 313	comprehensive cros tries hard to "get it i exchange, most of u	s-checking and right" with the s are human and	N4AF K5PI	(140 138
Call Sign K5ZD W6YX	QSOs 313 312	comprehensive cros tries hard to "get it i exchange, most of u as some smart philo	s-checking and right" with the sare human and sopher once said,	N4AF K5PI N2IC	(140 138 136
Call Sign K5ZD W6YX K3LR VE9AA	QSOs 313 312 276 249	comprehensive cros tries hard to "get it i exchange, most of u as some smart philo thus err. Eight ops m	s-checking and right" with the is are human and sopher once said, nade at least 100	N4AF K5PI N2IC N2NT	(140 138 136 136
Call Sign K5ZD W6YX K3LR VE9AA NAØN	QSOs 313 312 276 249 245	comprehensive cros tries hard to "get it i exchange, most of u as some smart philo	s-checking and right" with the is are human and sopher once said, nade at least 100	N4AF K5PI N2IC N2NT N06T	(140 138 136 136 136
Call Sign K5ZD W6YX K3LR VE9AA NAØN NØAX	QSOs 313 312 276 249 245 239	comprehensive cros tries hard to "get it i exchange, most of u as some smart philo thus err. Eight ops m	s-checking and right" with the s are human and sopher once said, nade at least 100 utely no errors,	N4AF K5PI N2IC N2NT NO6T N4OGW	(140 138 136 136 132 130
Call Sign K5ZD W6YX K3LR VE9AA NAØN	QSOs 313 312 276 249 245	comprehensive cross tries hard to "get it is exchange, most of us as some smart philo thus err. Eight ops most contacts with absolutions	s-checking and right" with the s are human and sopher once said, nade at least 100 utely no errors,	N4AF K5PI N2IC N2NT NO6T N4OGW K5GN	•	140 138 136 136 132 130 122

And just how many band changes are we talking about here for the SO2R operators? The bandswitches of those stations at right sure got a workout! N4AF switched bands every 2.3 QSOs. What will the next innovation bring to the CW Sprint?

Team Scores

Team formation is both a lot of fun and probably the best way to encourage participation in the Sprints. Members of 29 teams posted scores, and this undoubtedly helped both the turn-out as well as some rare states and provinces, plus a couple of good DX spots. The top four teams are listed, but all are noted and appreciated.

NCC	CC #1	Gulf Co	oast Cats	SSC	#1	FRC			
N5KO	16,992	K5TR	15,453	N2NL	15,888	N2NT	15,410		
N6TV	15,744	K5PI	14,993	K4RO	15,600	W2GD	13,132		
W6YX	13,728	N3BB	14,130	N4OGW	15,552	W2RQ	12,980		
WD6T	13,432	N5TJ	14,006	K4BAI	11,835	N2NC	12,735		
AE6Y	13,420	KZ5D	13,110	KØEJ	10,396	AA3B	12,555		
	73,316		71,692		69,271		66,812		

Points of Interest

One of the many benefits of receiving the incredible data trove from the log checkers is all of the records from the start of the Sprint, in 1977. From the back room of the Boring Amateur Radio Club are these notable achievements:

Number of Sprint wins; five or more times:

N5TJ	15 (this includes a remarkable 11 in row before Jeff relocated to the Austin area)
N6TR	14 (three in a row)
N2IC	12 (three in a row)
N5KO	9 (three in a row)
W4AN (SK)	6 (four in a row)
K5ZD	5 (three in a row)

While we are sifting through the Sprint catacombs, which operators have the most Top Top finishes in the CW Sprints?

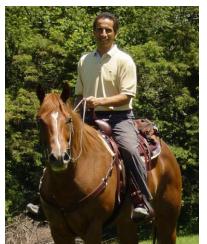
N6TR	67
N2IC	58
N2NT	45
N5RZ	41
N6TV	40
N5KO	40

And who were those masked call signs, anyway? Here are the guest ops!

K4VX (NN1N); K5TR (K5OT); KP2M (KT3Y); NAØN (NAØN @WØZT); NN7SS (K6UFO); NO6T (KI6RRN @WA6TQT); NP2X (K9VV); W6YX (N7MH); WD6T (WD6T @N6RO); WIØWA (NØAC); WW4XX (LZ4AX)

New Faces in New Places

We certainly seemed to have a lot of new call signs in our logs this time from all over. It's really great to



see (and hear) new stations in the mix, trying out the Sprint's unusual-but-exciting brand of activity.

A regular call in our non-Sprint logs is TI7W and the operator behind that call is Kam Sirageldin, N3KS. Kam isn't a regular Sprinter, but thought he could give it a try. As you can see, even though he was just "horsing around" (ahem), he made 68 QSOs in the first CW Sprint operation ever from Costa Rica. Now that he's gotten used to the QSY rule and the exchange, perhaps we'll see him again as TI7W! Thanks, Kam!

Kam, TI5/N3KS made 68 QSOs in the first-ever CW Sprint operation from Costa Rica. (Photo courtesy Kam Sirageldin, N3KS, via **qrz.com**)

Maritime Contest Club (MCC)

You may have noticed more NA Sprint activity from the far northeastern reaches of what constitutes NA. That's at least partially due to the efforts of the Maritime Contest Club (www.maritimecontestclub.ca). This February we were especially delighted to hear not only Sprint regular and MCC President, Mike VE9AA calling in but two brand-new-to-Sprint calls; VO1BQ and VO2AC! When was the last time we had TWO VO-something stations in the contest? So, Mike was asked about the MCC...

"As far as I know, it was started in the mid-2000s by VE1OP (SK), VE1RGB (SK), VE1JS, and VE1JF but early on, OP and RGB both played key roles. I was VP since 2003 then President since VE1OP passed suddenly. We've recently adopted some VO1s and VO2s and currently have about 23 members, about half of which are active. If you're in VE1/9/VO1/2/VY2 and would like to join..."

One of those new members, Joe VO1BQ, jumped in and handed out the NL multiplier. "I'm more of a participant than a competitor. Often, I can sense the excitement in the other operator when he's snagged a VO1! That FB or dit-dit I sometimes receive is a motivator to keep my BIC a little longer." Joe is an ex-Navy radioman and 911 dispatcher who started on CB in the late 70s and got interested in ham radio soon after. He enjoys getting on the air to work New Ones and "pass out those VO1s."

Joe VO1BQ operates from a city lot in St John's with a Butternut HF-9V and 80-10 EFHW. He has plans for bigger and better antennas (don't we all) in the months to come. He's just 1 km from Signal Hill where Marconi received the first transatlantic signals in 1901. (Photo courtesy, Joe VO1BQ)



Mike VE9AA spent most of Saturday before CW Sprint dealing with high winds and snow before the contest! "After all that, I snowshoed out to various 4-square arrays here and got them repaired best I

could in the cold and snow. By the time Sprint time rolled around, I was beat! I saw the K index was high and someone in MCC told me the A index was "way up". I sure felt it. It was very hard to make QSOs.

Even with the Sprint starting an hour earlier. (tu vy much!) it was really tough to scrape together 52 Qs on 20 meters in 1.5 hrs. I started scouring 40 right from the start. I always get the weird sensation I am way up here looking down on the activity. Very few are what I could call loud. Thanks for the hour extra on 20m (otherwise it's just a 2-band affair from up here) and CU (all of a sudden!) in the next one." Mike runs a pair of IC-7410s with wire 4-squares on most bands.

Most pictures of contester's feet are on a tower rung but Mike shows us a different perspective. (Photo courtesy of Mike Smith, VE9AA)



New Calls

Aren't computers great? I asked the Boring Amateur Radio Club's database manager if he would please give me a list of new calls and look at these! Welcome to all — we are glad to have you, no matter how you came to the Sprint! We hope to see you again, too — thanks for joining in!

AAØAJ, AI6O, K6EI, K8LF, KA3TTT, KA5M, KD2KW, KD9KHA, KK9V, KYØQ, N3CW, TI5/N3KS, N5EP, N6TTV, N8HWV, ND9M, NNØG, VE3OMV, VE6RST, VO1BQ, W4EE, W4WF, W9TD, WS5D, WX8C, WZØW

Sprint Soapbox Sagas

How about a few selected comments from the current Sprinters?

K1HT: I wound up with fewer multipliers than usual (Ed: read and weep when you read the next one!)

K5OT, op at K5TR: Found Hawaii unassigned in initial log – Wow!

KP2M: Stumbled right out of the gate (as I sent) SN #34, so I sent the first Qs by hand and opened a new log. My bad.

N6AN: Flint Peak, SOTA W6/CT-225, "hiking portable" with a KX3 (5W), 100-foot doublet fed with CATS twisted pair. Paper log, sending all by hand. (Ed: Hard core indeed! See the Sep 2021 results for a photo.)

NNØG: First Sprint. Started getting the hang of it near the end.

WA6URY: Operated remote from Japan (Ed: Dan is a regular in many NCCC Sprints and the NA Sprint), approximately a half-day timewise from those of us in North America.

WQ6X: I was frustrated by stations who need to SLOW DOWN. Also, the ops who started sending their exchange before I was done transmitting. By the time I had finished, they have already sent the number, which now requires a repeat ... a waste of six seconds. (Easy does it, Sprinters!)

From the Management

First, thanks to everyone for making sure their QSO "ack" transmissions are long enough to be heard. That really helps as does allowing the receiving station to get fills if needed. Good job!

QRM

You might have noticed the bands are extra busy during the February CW Sprints. Along with the FOC Marathon, the state QSO parties for MN, VT, and the province of BC are also held on the same weekend. While there's room for everybody, a few elbows get thrown here and there. The one-hour earlier start also surprised some folks. We do need to remember that while Sprint is fun, it doesn't have exclusive access to the spectrum. Dial back the adrenaline a little bit (even during that first hour!) and listen first. If a non-Sprint station is CQing, give them a little extra room — or call them for a QSO in their contest.

There was a distinct lack of MN/VT/BC QSOs in our logs this time around, which is unfortunate. The Sprint exchange is valid for all three contests which only need a signal report and state abbreviation from out-of-state stations. We would like to recognize that some of the contests do have a Plan B strategy to move up and away from the Sprinters and FOCers or else jump in and make QSOs with everybody. An inspection of the CW Sprint's 20 meter activity shows that there is very little going on above 14055 kHz. From this point on, let's consider "025 and up" to be the recommended CW Sprint frequency range. This is where Sprint activity takes place anyway, so maybe we can "lean lower" to keep more of the band available for others to contest if the CW Sprint isn't their cup of tea.

Non-Sprint Station QSOs

Part of the problem might be due to a misunderstanding that QSOs with non-Sprint stations don't count or are improper if the "other" station doesn't QSY according to the Sprint rules. One of the Sprint founders was asked if this was considered in the original rules. His response? "If you (find) somebody you wanted to work (multiplier or not), and were able to coax a valid exchange from that station, then (it would count) for a QSO in the contest. That the other station wasn't following the Sprint rules by QSYing was (their) problem, not yours. It's okay even if the non-QSYer does submit a Sprint score. The problem will be in (their) log, not yours. All you need to do is be in (their) log at the date and time you claim the QSO took place." So there is no reason not to call a MN, BC, or VT station that is CQing for their state's QSO party. (You also might want to slow down a little...)

Looking Forward to Next Time

Another CW Sprint in the books with great efforts and accomplishments. Thanks to the North American CW Sprint team for processing logs and scores quickly, allowing us to produce results promptly and with a high confidence. Not bad for a Boring Amateur Radio Club!

What about the next one? Heard frequently, about the time the contest starts being over, we've just gotten the hang of it! Well, there is a RTTY Sprint coming up on March 12-13 (starting time is 2300 UTC) and the next CW Sprint will start at 0000 UTC on September 11th. We hope to see your log in either or both. The NS Sprint on Thursday nights is a good way to keep the QSY rust from building up, too. See you in the next one and CQ Sprint!

Line Scores - February 2022 - CW Sprint

* - Low Power, ** - QRP

	Name	QTH	20	40	80	QSO	Mults	Score	Band Chgs	Team
SZD	RANDY	MA	98	113	102	313	48	15,024	6	
1DG	DOUG	NH	69	129	93	291	44	12,804	2	CODE GUYS
V1WEF										
	JACK *DAVE	CT	81	99	89	269	44	11,836	2	Bill Lunch
1HT	*DAVE	MA	64	108	65	237	41	9,717	2	D'II I
V1FJ	AL	MA	43	89	78	210	43	9,030	4	Bill Lunch
V1UJ	JAY	MA	39	86	85	210	43	9,030	60	
J1DM	*JOHN	RI	42	64	32	138	35	4,830	2	
8CN	**MIKE	NH	10	51	46	107	31	3,317	19	
1KI	ТОМ	СТ	0	76	0	76	35	2,660	0	
2NT	ANDY	NJ	89	139	107	335	46	15,410	136	FRC
V2RQ	BILL	NJ	83	99	113	295	44	12,980	2	FRC
I2NC	JOHN	NJ	79	104	100	283	45	12,735	6	FRC
		NY	73	96	92				2	
2UA	RUS					261	41	10,701		GOOD GUYS
V2LC	*SCOTT	NY	65	83	71	219	42	9,198	2	TEANALUSANA
IW2K	*DEAN	NY	48	52	50	150	38	5,700	2	TEAM HIRAM
V2MKM	ED	NJ	5	53	47	105	33	3,465	4	
3LR	TIM	PA	87	96	93	276	49	13,524	2	CODE GUYS
I3QE	TIM	MD	88	111	100	299	44	13,156	18	PVRC
V2GD	JOHN	PA	65	103	100	268	49	13,132	2	FRC
A3B	BUD	PA	95	88	96	279	45	12,555	75	FRC
3UA	*PHIL	PA	51	53	115	219	42	9,198	2	GOOD GUYS
										G00D G013
103M	TY	PA	0	0	84	84	38	3,192	0	D) (D.C
I4ZR	PETE	MD	41	46	0	87	30	2,610	1	PVRC
I3SD	*GREG	PA	0	0	60	60	29	1,740	0	TEAM HIRAM
C5XK	*DON	DC	7	36	8	51	22	1,122	2	PVRC
A3TTT	**AUSTIN	PA	0	0	3	3	3	9	0	
I2NL	DAVE	AL	102	123	106	331	48	15,888	2	SSC #1
4RO	KIRK	TN	79	124	109	312	50	15,600	120	SSC #1
I4AF	AL	NC	87	137	95	319	46	14,674	140	555 2
SMR	JIM	FL	89	112	91	292	46	-	10	GOOD GUYS
7SV	*LAR	VA						13,432		
			82	110	86	278	47	13,066	54	Bill Lunch
4ZW	KEN	VA	67	116	105	288	45	12,960	95	
V4NZ	TED	TN	79	94	89	262	46	12,052	22	SSC #2
4BAI	JOHN	GA	60	107	96	263	45	11,835	2	SSC #1
U8E	JEFF	GA	74	95	98	267	44	11,748	4	SSC #2
I4ZZ	JEFF DON	GA TN	74 71	95 116	98 87	267 274	44 42	11,748 11,508	4 6	SSC #2 AOCC
I4ZZ	DON	TN	71	116	87	274	42	11,508	6	AOCC
I4ZZ ØEJ	DON MARK	TN TN	71 0	116 113	87 113	274 226	42 46	11,508 10,396 10,296	6 3	AOCC
14ZZ (ØEJ AD4EB	DON MARK JIM	TN TN TN	71 0 55	116 113 81 67	87 113 98	274 226 234	42 46 44 44	11,508 10,396 10,296 10,032	6 3 26 2	AOCC SSC #1
14ZZ IØEJ 104EB 14OX 11GU	DON MARK JIM JAY *NED	TN TN TN FL TN	71 0 55 73 66	116 113 81 67 75	87 113 98 88 76	274 226 234 228 217	42 46 44 44 42	11,508 10,396 10,296 10,032 9,114	6 3 26 2 2	AOCC SSC #1 SSC #2 SSC #3
I4ZZ ØEJ AD4EB I4OX IGU VW4XX	DON MARK JIM JAY *NED *ALEX	TN TN TN FL TN GA	71 0 55 73 66 55	116 113 81 67 75 80	87 113 98 88 76 73	274 226 234 228 217 208	42 46 44 44 42 43	11,508 10,396 10,296 10,032 9,114 8,944	6 3 26 2 2 2	AOCC SSC #1 SSC #2 SSC #3 SSC #3
I4ZZ ØEJ ND4EB I4OX (1GU VW4XX V4WF	DON MARK JIM JAY *NED *ALEX CHRIS	TN TN TN FL TN GA FL	71 0 55 73 66 55 10	116 113 81 67 75 80 82	87 113 98 88 76 73 94	274 226 234 228 217 208 186	42 46 44 44 42 43	11,508 10,396 10,296 10,032 9,114 8,944 7,998	6 3 26 2 2 2 2 5	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3
I4ZZ KØEJ AD4EB I4OX K1GU VW4XX V4WF	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN	TN TN TN FL TN GA FL GA	71 0 55 73 66 55 10 43	116 113 81 67 75 80 82 73	87 113 98 88 76 73 94 66	274 226 234 228 217 208 186 182	42 46 44 44 42 43 43	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826	6 3 26 2 2 2 2 5 13	AOCC SSC #1 SSC #2 SSC #3 SSC #3
I4ZZ KØEJ AD4EB I4OX C1GU VW4XX V4WF I4OO	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM	TN TN TN FL TN GA FL GA NC	71 0 55 73 66 55 10 43 19	116 113 81 67 75 80 82 73 64	87 113 98 88 76 73 94 66 88	274 226 234 228 217 208 186 182 171	42 46 44 44 42 43 43 43	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353	6 3 26 2 2 2 2 5 13 4	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3
I4ZZ KØEJ AD4EB I4OX C1GU VW4XX V4WF I4OO IA4J	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD	TN TN TN FL TN GA FL GA NC	71 0 55 73 66 55 10 43 19 41	116 113 81 67 75 80 82 73 64 72	87 113 98 88 76 73 94 66 88 56	274 226 234 228 217 208 186 182 171	42 46 44 44 42 43 43 43 43	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760	6 3 26 2 2 2 2 5 13 4 5	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2
I4ZZ KØEJ IAOAEB I4OX I1GU VW4XX V4WF I4OO IA4J VF7T	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ	TN TN TN FL TN GA FL GA NC TN FL	71 0 55 73 66 55 10 43 19 41 69	116 113 81 67 75 80 82 73 64 72 68	87 113 98 88 76 73 94 66 88 56	274 226 234 228 217 208 186 182 171 169	42 46 44 44 42 43 43 43 43 40 39	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513	6 3 26 2 2 2 5 13 4 5	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2
I4ZZ KØEJ IAOAEB I4OX C1GU VW4XX V4WF I4OO IA4J VF7T IK4O KQ4R	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED	TN TN TN FL TN GA FL GA NC TN FL	71 0 55 73 66 55 10 43 19 41 69 40	116 113 81 67 75 80 82 73 64 72 68	87 113 98 88 76 73 94 66 88 56 30 42	274 226 234 228 217 208 186 182 171 169 167	42 46 44 44 42 43 43 43 43 40 39 38	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042	6 3 26 2 2 2 5 13 4 5 2 8	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2
IAZZ KØEJ IAOAEB IAOX CIGU VWAXX VAWF IAOO IAAJ VF7T IKAO CQAR	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED **JOHN	TN TN TN FL TN GA FL GA NC TN FL FL AL	71 0 55 73 66 55 10 43 19 41 69 40 35	116 113 81 67 75 80 82 73 64 72 68 77 62	87 113 98 88 76 73 94 66 88 56	274 226 234 228 217 208 186 182 171 169	42 46 44 44 42 43 43 43 43 40 39 38 38	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042 4,940	6 3 26 2 2 2 5 13 4 5	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2
MAZZ ØEJ DAEB MAOX 1GU VW4XX V4WF MAOO MAJ VF7T MK4O Q4R V4ER	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED	TN TN TN FL TN GA FL GA NC TN FL	71 0 55 73 66 55 10 43 19 41 69 40	116 113 81 67 75 80 82 73 64 72 68	87 113 98 88 76 73 94 66 88 56 30 42	274 226 234 228 217 208 186 182 171 169 167	42 46 44 44 42 43 43 43 43 40 39 38	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042	6 3 26 2 2 2 5 13 4 5 2 8	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2
I4ZZ KØEJ IAOAEB I4OX C1GU VW4XX V4WF I4OO IA4J VF7T IK4O KQ4R	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED **JOHN	TN TN TN FL TN GA FL GA NC TN FL FL AL	71 0 55 73 66 55 10 43 19 41 69 40 35	116 113 81 67 75 80 82 73 64 72 68 77 62	87 113 98 88 76 73 94 66 88 56 30 42 33	274 226 234 228 217 208 186 182 171 169 167 159	42 46 44 44 42 43 43 43 43 40 39 38 38	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042 4,940	6 3 26 2 2 2 5 13 4 5 2 8 6	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2
IAZZ KØEJ IAOAEB IAOX CIGU VWAXX VAWF IAOO IAAJ VF7T IKAO CQAR VAER	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED **JOHN BERT	TN TN TN FL TN GA FL GA NC TN FL AL NC	71 0 55 73 66 55 10 43 19 41 69 40 35 0	116 113 81 67 75 80 82 73 64 72 68 77 62 57	87 113 98 88 76 73 94 66 88 56 30 42 33 62	274 226 234 228 217 208 186 182 171 169 167 159 130	42 46 44 44 42 43 43 43 43 40 39 38 38 39	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042 4,940 4,641	6 3 26 2 2 2 5 13 4 5 2 8 6	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2
IAZZ IØEJ IADAEB IAOX IGU VW4XX V4WF IAOO IA4J VF7T IK4O IQ4R V4ER IACW IACS	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED **JOHN BERT *TOM	TN TN TN FL TN GA FL GA NC TN FL AL NC VA	71 0 55 73 66 55 10 43 19 41 69 40 35 0 18 7	116 113 81 67 75 80 82 73 64 72 68 77 62 57	87 113 98 88 76 73 94 66 88 56 30 42 33 62 51	274 226 234 228 217 208 186 182 171 169 167 159 130 119	42 46 44 44 42 43 43 43 43 40 39 38 38 39 35	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042 4,940 4,641 3,990 3,762	6 3 26 2 2 2 5 13 4 5 2 8 6	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2 SSC #4
IAZZ IØEJ IADAEB IAOX IGU VWAXX VAWF IAOO IAAJ IKAO IAQAR VAER IACW IAGS IACW IACW IACS IACW IACS IAC	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED **JOHN BERT *TOM ANDY NATE	TN TN TN FL TN GA FL GA NC TN FL AL NC VA GA NC	71 0 55 73 66 55 10 43 19 41 69 40 35 0 18 7	116 113 81 67 75 80 82 73 64 72 68 77 62 57 45	87 113 98 88 76 73 94 66 88 56 30 42 33 62 51 35 44	274 226 234 228 217 208 186 182 171 169 167 159 130 119 114 99	42 46 44 44 42 43 43 43 43 40 39 38 38 39 35 38 37	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042 4,940 4,641 3,990 3,762 3,700	6 3 26 2 2 2 5 13 4 5 2 8 6 1 6 2	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2 SSC #4
IAZZ IØEJ IADAEB IAOX IGU VW4XX V4WF IAOO IA4J VF7T IK4O IQ4R V4ER IACW IACS	DON MARK JIM JAY *NED *ALEX CHRIS *BRIAN JIM *BRAD *AJ ED **JOHN BERT *TOM ANDY	TN TN TN FL TN GA FL GA NC TN FL AL NC VA GA	71 0 55 73 66 55 10 43 19 41 69 40 35 0 18 7	116 113 81 67 75 80 82 73 64 72 68 77 62 57 45	87 113 98 88 76 73 94 66 88 56 30 42 33 62 51 35	274 226 234 228 217 208 186 182 171 169 167 159 130 119 114	42 46 44 44 42 43 43 43 43 40 39 38 38 39 35 38	11,508 10,396 10,296 10,032 9,114 8,944 7,998 7,826 7,353 6,760 6,513 6,042 4,940 4,641 3,990 3,762	6 3 26 2 2 2 5 13 4 5 2 8 6 1 6	AOCC SSC #1 SSC #2 SSC #3 SSC #3 SSC #3 SSC #2 SSC #4

N3CW	ED	VA	25	40	0	65	32	2,080	1	
K8LF	JAY	VA	10	39	8	57	26	1,482	2	PVRC
AC6ZM	JUAN	TN	40	11	0	51	22	1,122	3	SSC #3
ND9M	*JIM	FL	0	11	0	11	7	77	0	336 113
	J		Ū		· ·		•		Ū	
N2IC	STEVE	NM	110	146	102	358	50	17,900	136	AOCC
K5GN	DAVE	TX	106	117	107	330	48	15,840	122	TDXS
N4OGW	TOR	MS	87	133	104	324	48	15,552	130	SSC #1
K5TR	GEO	TX	108	101	94	303	51	15,453	2	Gulf Coast Cats
K5PI	ROB	TX	94	137	88	319	47	14,993	138	Gulf Coast Cats
N5RZ	GATOR	TX	115	111	91	317	45	14,265	2	
N3BB	JIM	TX	98	114	102	314	45	14,130	104	Gulf Coast Cats
N5TJ	JEFF	TX	103	118	77	298	47	14,006	2	Gulf Coast Cats
N5OT	MARK	OK	83	132	94	309	44	13,596	2	
AA5B	BRUCE	NM	101	100	91	292	45	13,140	2	
KZ5D	ART	LA	79	124	82	285	46	13,110	106	Gulf Coast Cats
WQ5L	*RAY	MS	92	95	52	239	46	10,994	2	SSC #2
N5EE	*KEN	AR	59	77	97	233	41	9,553	2	
KØNM	*NIZ	TX	43	66	36	145	36	5,220	2	TDXS
N9NM	*BARB	TX	24	48	15	87	30	2,610	4	Texas Two Steppers
N5ER	**JOHN	AR	7	19	25	51	25	1,275	10	
K5GQ	*MARK	TX	5	26	19	50	25	1,250	2	TDXS
KA5M	*MARSH	LA	0	39	8	47	26	1,222	1	
N5CHA	*TODD	TX	13	9	0	22	8	176	1	
KD2KW	*KEN	TX	0	15	0	15	9	135	0	
WS5D	JACK	NM	7	1	0	8	6	48	1	
N5KO	TREY	CA	115	139	100	354	48	16,992	112	NCCC #1
NO6T	AL	CA	102	139	104	345	48	16,560	132	SCCC #1
N6TV	BOB	CA	113	118	97	328	48	15,744	48	NCCC #1
N5ZO	MARK	CA	102	131	99	332	45	14,940	87	
K6XX	BOB	CA	105	114	84	303	49	14,847	4	NCCC #4
W6YX	MIKE	CA	103	128	81	312	44	13,728	22	NCCC #1
N6AA	DICK	CA	113	109	70	292	47	13,724	2	SCCC #1
W4EF	MIKE	CA	107	102	75	284	48	13,632	2	SCCC #1
WD6T	DAVE	CA	91	126	75	292	46	13,432	87	NCCC #1
AE6Y	ANDY	CA	98	124	83	305	44	13,420	27	NCCC #1
K6LA	KEN	CA	95	117	74	286	44	12,584	3	SCCC #1
K9YC AJ6V	JIM ED	CA CA	95 95	93	85 66	273 271	45 45	12,285	2	NCCC #2
				110		271		12,195	2	NCCC #2
W6SX K6NR	HANK	CA CA	86 99	115 87	76 68	254	42 45	11,634	5 2	NCCC #3
AC6T	DANA STEVE	CA	99 87	105	41	233	43	11,430 10,019	2	SCCC #2 SCCC #2
		CA	75		63	233			2	
K6ZH N3ZZ	JIM TOM	CA	75 74	90 78	59	228	43 44	9,804 9,284	2	SCCC #1 NCCC #3
N322 K6SRZ	ALAN	CA	83	78 78	45	206	44	9,284 8,652	2	NCCC #3
K6MM	JOHN	CA	80	78 78	45	206	42	8,240	2	NCCC #3
K6LRN	DICK	CA	64	54	23	141	43	6,063	2	NCCC #2
N6ZFO	BILL	CA	68	53	0	121	40	4,840	1	NCCC #3
WQ6X	*RON	CA	34	60	11	105	35	3,675	2	SCCC #2
WGRGG	BOB	CA	65	0	35	100	35	3,500	1	NCCC #4
WA6URY	DAN	CA	37	44	23	104	31	3,224	2	
N6XI	RICK	CA	84	0	0	84	37	3,108	0	NCCC #3
K6NV	BOB	CA	37	36	27	100	27	2,700	2	NCCC #3
N6TTV	CARL	CA	48	31	0	79	32	2,700	3	NCCC #4
N6AN	**REX	CA	47	28	0	75	27	2,025	3	
K6EI	*JIM	CA	20	26	17	63	22	1,386	4	NCCC #4
K6MI	JOHN	CA	9	10	0	19	12	228	1	
K6KM	ROB	CA	6	0	0	6	6	36	0	NCCC #2
KN6BAZ	*ALEX	CA	5	1	0	6	4	24	1	
		٠. ١	-	_	-	-			_	
	TREE	OR	131	139	104	374	49	18,326	2	Oregon Sprinters
N6TR										
		MT	112	149	101	362	48	17.376	116	Big Sky
N6TR N9RV K6LL	PAT DAVE	MT AZ	112 112	149 134	101 61	362 307	48 47	17,376 14,429	116 2	Big Sky AOCC
N9RV	PAT							17,376 14,429 13,892		

WJ9B	WILL	ID	82	109	68	259	46	11,914	2	
K7QA	TOM	MT	88	103	66	257	44	11,308	2	Big Sky
клэс	*MEL	MT	83	84	81	248	44	10,912	2	Big Sky
WS7L	CARL	OR	85	107	55	247	41	10,127	2	Oregon Sprinters
KI7Y	JIM	OR	57	93	48	198	41	8,118	2	Oregon Sprinters
W9CF	*KEVIN	AZ	56	81	50	187	41	7,667	2	AOCC
N7DX	*TONY	WA	59	70	31	160	36	5,760	2	
NN7SS	**BURT	WA	60	62	18	140	35	4,900	2	
W6OAT	*RUSTY	WA	86	9	0	95	35	3,325	1	
N4DW	*DAVE	AZ	0	85	0	85	34	2,890	0	
AC7AF	*BRIAN	WY	32	20	22 7	74	26	1,924	2	CM lumpars
WC7S N9NA	**DALE JOHN	WY AZ	20 11	24 33	4	51 48	24 24	1,224 1,152	5 2	GM Jumpers AOCC
AL1G	*CAT	AK	14	0	0	14	8	1,132	0	AOCC
N7GP	*TOM	AZ	0	9	0	9	8	72	0	
KQ7TJ	*TOM	NV	2	5	0	7	6	42	1	
•	-									
NA8V	GREG	MI	72	111	111	294	46	13,524	18	GOOD GUYS
KW8N	BOB	ОН	83	105	84	272	44	11,968	6	CODE GUYS
N8EA	JOE	MI	76	78	106	260	41	10,660	2	
W8WTS	*JIM	ОН	68	90	88	246	43	10,578	114	GOOD GUYS
W1NN	*HAL	OH	34	96	91	221	44	9,724	23	TEAM HIRAM
W3YQ	TIM	WV	46	68	97	211	42	8,862	8	TEAM HIRAM
K3JT	*TERRY	WV	23	73	24	120	36	4,320	2	CODE CLIVE
K9NW WX8C	*MIKE	OH	0	56 42	21 7	77 49	32 24	2,464	1	CODE GUYS
WASC	HARRY	MI	U	42	/	49	24	1,176	1	
W9RE	MIKE	IN	94	137	97	328	48	15,744	116	SMC Long
К9СТ	CRAIG	IL	69	111	113	293	48	14,064	32	SMC Long
WT9U	JIM	IN	66	98	118	282	46	12,972	33	SMC Long
N9LQ	JOEL	IL	52	76	89	217	41	8,897	2	SMC Long
WI9WI	*JIM	WI	53	83	65	201	42	8,442	2	SMC Long
K9PG	*PAUL	IL	31	96	73	200	42	8,400	19	
KYØQ	*RICK	IL	27	54	61	142	35	4,970	4	
W9TD	*GARY	IL	20	43	24	87	31	2,697	2	
W8LVN	*BILL	IL	18	49	7	74	30	2,220	6	SMC Strong
KK9V	*MIKE	IN 	0	21	8	29	19	551	1	
K4VX K9GY	DAVE *YOGI	IL	20	0	0	20 12	8	160	0	SMC Strong
KD9KHA	*ANDY	IL IL	6 0	6 5	0	5	8 5	96 25	1	SMC Strong
N8HWV	*TODD	WI	2	1	0	3	3	9	1	
N5EP	STEVE	IL	0	2	0	2	2	4	0	
W9RE	MIKE	IN	94	137	97	328	48	15,744	116	SMC Long
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KØRF	CHUCK	CO	90	120	100	310	49	15,190	114	GM Jumpers
KØEU	*KEN	CO	100	119	91	310	45	13,950	41	GM Jumpers
NØTA	JOHN	СО	79	112	81	272	42	11,424	2	GM Jumpers
NØAX	*WARD	MO	50	95	94	239	44	10,516	2	SMC Strong
WØETT	KEN	CO	70	92	59	221	45	9,945	7	GM Jumpers
NAØN WØBH	*PAT BOB	MN KS	57 54	105 74	83 66	245 194	40 41	9,800 7,954	78 2	
WØCO	*BRAD	CO	41	95	50	186	39	7,954	2	
N7WY	BOB	MO	51	57	46	154	37	5,698	2	
AI6O	*ED	MO	28	26	72	126	39	4,914	2	Greg Lunch
NØKQ	BILL	СО	39	48	23	110	34	3,740	3	GM Slalom
NNØG	*DANA	CO	33	54	21	108	32	3,456	2	GM Slalom
wzøw	*SCOTT	MO	3	48	47	98	35	3,430	2	SMC Strong
N9HDE	*SCOTT	IA	0	70	19	89	33	2,937	1	
KØUK	*BILL	СО	33	34	0	67	33	2,211	20	GM Slalom
NØAC	*BILL	IA	0	0	53	53	30	1,590	0	
WØAAE	*BOB	MN	10	39	5	54	27	1,458	12	
WIØWA	*LARRY	IA MO	0	54	0	54	24	1,296	0	SMC Strong
KKØU NØGN	*JIM PAUL	MO NE	7 6	34 11	0 10	41 27	28 14	1,148 378	7	SMC Strong
AAØAJ	*AJ	MN	0	2	0	2	2	4	0	
1907 10	, .,		J	_	J	_	-	7	3	

KP2M	PHIL	KP2	123	127	66	316	46	14,536	3	
NP2X	ED	KP2	92	103	82	277	46	12,742	14	CODE GUYS
VE9AA	MIKE	NB	52	99	98	249	39	9,711	34	MCC Snow
VE3YT	VIC	ON	52	93	85	230	42	9,660	14	Bill Lunch
VE5SF	*SAM	SK	78	73	30	181	38	6,878	2	
TI5/N3KS	KAM	TI	25	29	14	68	28	1,904	2	
VA6RCN	*KEVIN	AB	25	27	0	52	22	1,144	3	
VE6EX	**DAN	AB	19	27	0	46	20	920	1	
VO2AC	CHRIS	NFLB	8	30	0	38	22	836	1	MCC Snow
VE6RST	MAX	AB	18	6	0	24	16	384	1	
VO1BQ	JOE	NFLB	0	17	0	17	13	221	0	MCC Snow
VE3OMV	*MARIA	ON	11	5	0	16	9	144	3	

TEAM SCORES

NCCC #1	
N5KO	16,992
N6TV	15,744
W6YX	13,728
WD6T	13,432
AE6Y	13,420
	73,316
Gulf Coast Cats	
K5TR	15,453
K5PI	14,993
N3BB	14,130
N5TJ	14,006
KZ5D	13,110
	71,692
SSC #1	
N2NL	15,888
K4RO	15,600
N4OGW	15,552
K4BAI	11,835
KØEJ	10,396
	69,271
FRC	
N2NT	15,410
W2GD	13,132
W2RQ	12,980
N2NC	12,735
AA3B	12,555
	66,812

5. SCCC #1 (NO6T, N6AA, W4EF, K6LA, K6ZH)	66,304
6. SMC Long (W9RE, K9CT, WT9U, N9LQ, WI9WI)	60,119
7. GOOD GUYS (NA8V, K8MR, K2UA, W8WTS, K3UA)	57,433
8. CODE GUYS (K3LR, K1DG, NP2X, KW8N, K9NW)	53,502
9. AOCC (N2IC, K6LL, N4ZZ, W9CF, N9NA)	52,656
1Ø. SSC #2 (W4NZ, KU8E, WQ5L, N4OX, N4OO)	52,652
11. GM Jumpers (KØRF, KØEU, NØTA, WØETT, WC7S)	51,733
12. Oregon Sprinters (N6TR, N7XU, WS7L, KI7Y)	50,463
13. Bill Lunch (K7SV, W1WEF, VE3YT, W1FJ)	43,592
14. Big Sky (N9RV, K7QA, KJ9C)	39,596
15. NCCC #2 (K9YC, AJ6V, K6MM, N6ZFO, K6KM)	37,596
16. NCCC #3 (W6SX, N3ZZ, K6SRZ, N6XI, K6NV)	35,378
17. SSC #3 (K1GU, WW4XX, W4WF, NK4O, AC6ZM)	33,691
18. TEAM HIRAM (W1NN, W3YQ, NW2K, N3SD)	26,026

19. SCCC #2 (K6NR, AC6T, WQ6X)	25,124
2Ø. TDXS (K5GN, KØNM, K5GQ)	22,310
21. NCCC #4 (K6XX, W6RGG, N6TTV, K6EI)	22,261
22. PVRC (N3QE, N4ZR, K8LF, AC5XK)	18,370
23. Greg Lunch (K7SS, AI6O)	18,354
24. SMC Strong (NØAX, WZØW, W8LVN, KKØU, K9GY)	17,410
25. MCC Snow (VE9AA, VO2AC, VO1BQ)	10,768
26. SSC #4 (KQ4R, AA5JF)	9,804
27. GM Slalom (NØKQ, NNØG, KØUK)	9,407
28. NCCC #5 (K6LRN)	6,063
29. Texas Two Steppers (N9NM)	2,610