

# Results: North American Sprint CW — February 2016

Activity rebounded in February for the 78th running of the CW Sprint, enabling good scores across the country. Conditions were fairly good to excellent, depending upon your location, and many stations broke the 300 QSO barrier for the first time!

Seven new entries have fresh ink in the records listing. Four stations pushed up their own Low Power records: W1WBB for Rhode Island, K3UA for Pennsylvania, N7CW for Arizona and NØAX in Missouri. WJ9B established a new Low Power record for Idaho, beating the previous record held by W7ZRC. In Colorado, KØAV pushed out the previous QRP record held by KØUK. The VY1AAA remote operation by W1UE broke the previous VE8/VY1 record held by VY1JA.

Starting with this edition of the Sprint a new awards program is in place that will provide a certificate for entries of at least 100 contacts. Endorsements will be available as you increase your personal best QSO total. Certificates will arrive before the September CW Sprint.

## High Power

Steve, N2IC, combined the highest QSO total and a strong multiplier tally to finish ahead of Trey, N5KO, who had won the two previous events. Third place went to WRTC Champion Mojo, N6MJ, who might have set the record for the highest score ever with only two band changes. Fourth place went to Tree, N6TR, who made the most of his broken antenna system that only acted as a dipole. Bob, N6TV, came in fifth, followed closely by Jim, N3BB. Tom, K1KI, had the best East Coast score with only six band changes, placing seventh. Eighth place went to NCJ Editor Pat, N9RV, followed closely by The Gator, N5RZ. Randy, KØEU, sneaked in to take 10th place.

In the high power "one radio" category (less than 12 band changes), N6MJ obviously dominated along with K1KI, followed by double-letter twins K6LL and K6XX. It is interesting to note that most of the stations in this category had a better final hour than the two-radio operators did.

## Low Power

Steve, N9CK, took top honors in the Low Power category, certainly something that he has done a number of times. Bud, N7CW, came in second from Arizona, followed by Todd, WDØT, who made sure

### Top 10 Scores

Call Sign	Score	BndChg	Qs Lost	00Z	01Z	02Z	03Z
N2IC	18,718	200	9	118	95	87	82
N5KO	18,309	144	6	105	90	89	75
N6MJ	18,081	2	3	98	98	77	96
N6TR	17,719	68	2	100	105	91	81
N6TV	17,204	108	2	116	93	86	79
N3BB	17,150	138	2	111	83	82	74
K1KI	16,752	6	3	94	94	91	70
N9RV	16,676	166	3	110	100	93	76
N5RZ	16,638	166	5	104	92	83	75
KØEU	16,422	164	6	102	92	84	79

### Top 10 High Power (Max 12 Band Changes)

Call Sign	Score	BndChg	Qs Lost	00Z	01Z	02Z	03Z
N6MJ	18,081	2	3	98	98	77	96
K1KI	16,752	6	3	94	94	91	70
K6XX	16,074	4	7	97	91	70	84
K6LL	15,888	2	0	87	82	73	89
W6YX	15,792	2	0	93	81	79	83
AA5B	14,852	2	5	79	76	79	82
NN1N	14,711	7	3	89	63	77	84
N6AA	14,670	2	7	83	84	70	89
NM5M	14,536	2	3	83	84	83	66
K9NW	14,398	6	3	78	76	85	74

### Top 10 Low Power

Call Sign	Score	BndChg	Qs Lost	00Z	01Z	02Z	03Z
N9CK	13,616	77	2	78	72	75	71
N7CW	13,348	4	7	80	69	72	63
WDØT	13,272	70	3	87	79	71	79
K7SV	13,156	16	2	83	72	79	65
W4OC	12,915	44	3	79	70	80	58
NØAX	12,556	84	4	78	66	79	69
N6ZFO	12,512	4	9	62	71	64	75
W4IX	11,938	2	3	48	70	58	78
KJ9C	11,748	46	5	72	71	67	57
KJ9C	11,610	4	4	71	65	56	66
NAØN	11,610	80	5	70	58	74	68

### Top 10 Low Power (Max 12 Band Changes)

Call Sign	Score	BndChg	Qs Lost	00Z	01Z	02Z	03Z
N7CW	13,348	4	7	80	69	72	63
N6ZFO	12,512	4	9	62	71	64	75
W4IX	11,938	2	3	48	70	58	78
KJ9C	11,610	4	4	71	65	56	66
K3UA	11,295	2	10	60	63	64	64
W1NN	10,980	8	8	61	58	72	53
K7BG	10,760	4	6	75	69	62	63
N5DO	10,449	2	13	65	57	56	65
WQ5L	10,428	2	4	54	69	52	62
W8WTS	10,332	11	6	63	56	73	60

### Top 10 QRP

Call Sign	Score	BndChg	Qs Lost	00Z	01Z	02Z	03Z
KE3X	8,733	8	5	60	47	56	50
KØAV	7,216	57	6	42	43	44	35
NN7SS	7,040	3	13	56	40	48	32
K8CN	4,515	10	8	44	29	28	28
AA4GA	3,290	10	3	16	16	33	29
WC7S	1,860	3	20	12	21	13	14
N6HI	476	2	4	3	8	18	5
N8XX	384	1	1	0	6	11	7
AB3WS	110	0	4	0	6	5	0

everyone worked South Dakota. In fourth place, Larry, K7SV, barely edged out Don, W4OC, for bragging rights in the Carolinas. Ward, NØAX, continued improving his best score from Missouri and came in sixth. Bill, N6ZF0, placed seventh, followed by John, W4IX. Al, KØAD, finished in ninth place, and Mel, KJ9C, had the 10th place score.

### QRP

Some crazy people operated this contest armed with only 5 W! Ken, KE3X, managed to make 213 QSOs for the top QRP score. Second place went to Alan, KØAV, followed closely by Mark, K6UFO, operating from NN7SS in Washington. All three of these scores topped 7000 points, which is very respectable for QRP. Mike, K8CN, came in fourth with 129 contacts from New Hampshire. Lee, AA4GA, finished fifth from Georgia, followed by WC7S, who put the rare Wyoming multiplier into a number of logs.

### Team Competition

With a determined effort, the Northern

California Contest Club just edged out the Ad Hoc team to break their running total of five consecutive victories. These two teams have been battling it out over the years, with each taking turns at the top spot. The last time a different team topped the field was in February 2010, when the Austin Ditters took first place. It is interesting, however, to see that some stations seem to float between these three teams.

Third place went to the NCC/MRRC Friends East team, followed by the second Northern California Contest Club team. Strong work by the NCCC folks, generating two competitive teams from their call area, except for one KH6.

In all 20 teams registered, up from 12 teams in September. We can still use more teams, however, to encourage more participation.

### Golden Logs

Only eight logs ended up without any reductions during log checking, but three of them did it with more than 300 QSOs in

their logs. Congratulations to Mike, N7MH, who operated W6YX for the top Golden Log listing with 336 QSOs. Dave, K6LL, pulled off a Golden Log with 331 contacts, and John, N2NC, did it with 311. The other five logs were N2GC with 259 QSOs, followed by N8BJQ, AF5CC, W9DCA, and WU9D.

### Next Time

The next CW Sprint happens on September 11 UTC (0000 UTC, which is September 10 in US time zones). Participants may operate for the 240 minutes from 0000 to 0359 inclusive. If you start a contact just before the clock ticks over to 0400, feel free to finish and log it at 0359.

For team registration, visit the NCJ website, [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 website. Logs are due 7 days after the contest! Final scores are typically posted within 2 weeks on the NCJ website and on the CQ-Contest reflector.

### Top 10 QSO Totals

N2IC	382
N9RV	379
N6TR	377
N6TV	374
N6MJ	369
N5KO	359
KØEU	357
NO3M	355
K4RO	354
N5RZ	354

### Top 10 Multipliers

N5KO	51
N6RO	50
N2IC	49
N3BB	49
N6MJ	49
K1KI	48
K6LL	48
Many	47

### Golden Logs

W6YX	336
K6LL	331
N2NC	311
N2GC	259
N8BJQ	77
AF5CC	27
W9DCA	4
WU9D	4

### Top 10 Band Changes

N2IC	200
K4RO	170
NO3M	168
N5RZ	166
N9RV	166
KØEU	164
W9RE	154
N5KO	144
N4OGW	143
N3BB	138

### Team Scores

#### 1. Northern California Contest Club #1

N5KO	18,309
N6TV	17,204
N6RO	16,250
K6XX	16,074
W6YX	15,792
N6XI	13,680
AE6Y	13,508
N3ZZ	12,848
W6SX	12,804
K6AW	9,711
<b>Total</b>	<b>146,180</b>

#### 2. Ad Hoc Contesters

N2IC	18,718
K4RO	16,284
N2NT	15,686
W9RE	15,180
AA3B	14,175
N9CK	13,616
WD0T	13,272
N4AF	13,156
W4OC	12,915
KU8E	11,572
<b>Total</b>	<b>144,574</b>

#### 3. NCC/MRRC Friends East

NO3M	15,620
K3LR	14,168
N2NC	13,995
K8MR	13,596
NP2X	12,600
NW2K	11,550
K3UA	11,295
W2RQ	7,040
N3SD	5,240
K2UA	3,780
<b>Total</b>	<b>108,884</b>

#### 4. Northern California Contest Club #2

K7GK	14,006
K9YC	12,728
N6ZF0	12,512
K6MR	12,408
AJ6V	11,924
K6SRZ	10,428
W6RGG	10,019
W6OAT	9,417
W6CT	7,436
KH6TU	5,004
<b>Total</b>	<b>105,882</b>

### Team

- DFW Contest Group
- South East Sprint Co
- YCCC #1
- SCCC
- MRRRC NCC FRIENDS W
- PVRC Sprinters
- Austin Aces
- Arizona Outlaws CC
- Big Sky Contesters
- YCCC #2
- Oregon Sprinters
- SMC Groundhog
- Broncos fans
- NCCC #3
- SMC Spring Flowers
- 21WPM LIDS

### Operators

- N5RZ, NR5M, NM5M, K5YAA, WQ5L, N4PN, K5CI, N5QQ  
 N4OGW, KØEJ, K2SX, W4NZ, N4OX, AA4CF, KY4F, WF3C, N4IQ, AA4GA  
 K1KI, K5ZD, NN1N, K1AR, N2GC, W1WEF, W1EBI, K1RO  
 N6MJ, N6AA, W6PH, K6LA, N5ZO, K6ZH, NE6I, W6UE  
 K9NW, KW8N, N8EA, W1NN, W8WTS, ND8L, W9PA, N5OT, N8XX  
 K3TN, K7SV, N3QE, KP2M, KE3X, N4CF, KG3V, K4GMH  
 N3BB, KZ5D, K5TR, N5DO, KG5U, K8LS, N9NM  
 K6LL, N7CW, AA7V, N6VR, W9CF, NG7Z  
 N9RV, K7JR, KJ9C, K7BG  
 K1DG, K1GU, W1UJ, W1WBB, K8CN, VY1AAA, W1SJ  
 N6TR, W7WHY, WS7L, K17Y  
 NØAX, K9AA, W19WI, WT2P, K9KM, WW9R, WB8RFB, WU9D  
 KØEU, WØETT, KØAV, KØUK, WC7S, NØKQ  
 KZ2V, K6NV  
 KK9K, W9DCA  
 K5MXG

### Score

- 97,740  
 94,746  
 92,967  
 92,504  
 82,510  
 69,062  
 67,982  
 61,294  
 53,041  
 51,218  
 47,052  
 42,610  
 40,309  
 9,615  
 3,279  
 544

### Guest Ops

K5TR	(K5OT)	KH6TU	(AD6E)	VY1AAA	(W1UE)
K7GK	(@W6JZH)	KP2M	(KT3Y)	W6CT	(@K6EU)
K7JR	(KL9A)	NN7SS	(K6UFO)	W6UE	(N6AN)
K9AA	(K9PG)	NP2X	(K9VV)	W6YX	(N7MH)
KE3X	(@N4RV)	NR5M	(K5GA)		

## Soapbox

Good conditions and activity, but where were the VEs? — *AE6Y*

Great fun to join in from over here. Some fantastic operating. Generally at the bottom of the piles from here which made it slow going. — *G4PIQ*

Not so sure about VE7 QSO but left it in. Different QSO party. — *K1KI*

Fun! Once everyone gets to 80, I keep getting beat out all the time. Kills the rate. — *K5ZD*

Haven't tried LP for a long time, now I remember why I usually run HP for the team. — *KJ9C*

Twenty started with short skip. Good Forty and 80 both went long early. Bad. Stayed on 20 too long. Bad. Last QSO was new mult, VE5MX. Good. Eighty was my best band. Good. Bumped into lots of old friends. Very good. — *KV8Q*

Thursday evening NCCC Sprint has helped. — *KW8N*

Crazy good activity this time around. The greatest competition going with 4 hours. Let's get more teams and not only the top echelon ops in a team. — *N3BB*

Thanks to the sponsor. This was fun. Operated in the MN QSO Party all day,

stopped one contest and started another one at 0000. Lots of good friends and operators in the Sprint. — *N4PN*

My first NA Sprint. I ran 5 W to a 20 foot end-fed wire. I started out really *sssl/ooowww*, but got better and better as I learned how to operate this unique contest. Hated it at first, but *loved* it by the end! I will definitely be back and ready to operate the full 4 hours. This was *way* more fun than I expected. This contest lets the best operators really shine, and there were some great ones there! — *N6HI*

Great conditions and activity! — *N6TR*  
It was going so fast that I was exhausted at 0300 and thought the contest was over! — *N6TV*

Great conditions, great activity. Best Sprint in quite a while. — *N9RV*

Wow, the first hour was great! Then it started slowing. Finally, nothing left on 20 but a few already-worked SO2R CQers. I sucked it up and went to 40. Completely packed and ready to squish any QRP signals. I persevered and worked a few. Eventually I worked more QSOs on 40 than on 20, but I probably stayed too long, since who wants to take QRP to 80 when the kilowatts are sprinting? On 80 so many signals, none who can hear me. The rate plummeting. In the last 5 minutes I went

back to 40 to cheer myself up. Made two QSOs, so it was a nice way to end. — *NN7SS (K6UFO Op)*

All done remotely. — *VY1AAA*  
Remote from Japan. — *W1NN*  
Low power, one (80 meter dipole) antenna, and paper logging. But much improved activity over September. Looking forward to the next Sprint. — *W2RQ*

Partial effort. Set up laptop 10 minutes before start. Glad I had a working CW messages template. One of my better first hours. Twenty was good through first hour, but QSY to 40 was a bit painful. Nice to work so many sharp CW ops! — *W6UE*

Great activity but I sure missed mults this time. — *W9RE*

Great fun again, 20 long early, 40 and 80 excellent quiet, and *lots* of activity! — *WD0T*

My second Sprint. Operated from the W4MLB club station this time, so lost a lot more jump balls than last year from N4WW. Felt better about my effort altogether, though I ended up with roughly similar raw numbers. Perhaps the log checking will be less embarrassing this time. Worked N4OX and K8MR also on from FL. Glad to work WY, SK, and MAR for relatively rare ones. Only NA country was KP2. — *WF3C*

## Score Summary (bolded scores are new records)

Call Sign	Name	QTH	20	40	80	QSO	Mlt	Score	Bnd Chg	Team
K1KI	TOM	CT	105	128	116	349	48	16,752	6	YCCC #1
K5ZD	RANDY	MA	102	136	95	333	47	15,651	78	YCCC #1
NN1N	DAVE	CT	98	111	104	313	47	14,711	7	YCCC #1
K1DG	DOUG	NH	97	129	97	323	43	13,889	2	YCCC #2
K1AR	JOHN	NH	67	129	101	297	44	13,068	2	YCCC #1
KØDQ	SCOTT	ME	62	110	97	269	43	11,567	8	
W1UJ	*JAY	MA	45	114	90	249	43	10,707	88	YCCC #2
W1WEF	JACK	CT	87	91	49	227	41	9,307	2	YCCC #1
W1EBI	GEO	MA	49	86	81	216	40	8,640	2	YCCC #1
<b>W1WBB</b>	<b>*BILL</b>	<b>RI</b>	<b>34</b>	<b>79</b>	<b>54</b>	<b>167</b>	<b>40</b>	<b>6,680</b>	<b>5</b>	<b>YCCC #2</b>
K8CN	**MIKE	NH	38	63	28	129	35	4,515	10	YCCC #2
K1RO	MARK	NH	0	68	42	110	36	3,960	1	YCCC #1
WW1ME	*RICK	ME	36	48	17	101	33	3,333	2	
W1SJ	*MITCH	VT	0	8	12	20	18	360	1	YCCC #2
N2NT	ANDY	NJ	92	130	119	341	46	15,686	112	Ad Hoc
N2NC	JOHN	NJ	74	129	108	311	45	13,995	4	NCC MRRRC FRIENDS EAS
NW2K	DEAN	NY	72	107	96	275	42	11,550	24	NCC MRRRC FRIENDS EAS
N2ZN	KEN	NY	54	107	91	252	44	11,088	2	
N2GC	MIKE	NY	54	109	96	259	42	10,878	3	YCCC #1
W2RQ	*BILL	NJ	0	56	104	160	44	7,040	5	NCC MRRRC FRIENDS EAS
K2UA	RUS	NY	13	95	0	108	35	3,780	1	NCC MRRRC FRIENDS EAS
WA2JQK	*BOB	NY	6	0	0	6	5	30	1	
NO3M	TY	PA	91	146	118	355	44	15,620	168	NCC MRRRC FRIENDS EAS
AA3B	BUD	PA	72	132	111	315	45	14,175	108	Ad Hoc
K3LR	TIM	PA	99	118	105	322	44	14,168	8	NCC MRRRC FRIENDS EAS
K3TN	JOHN	MD	98	120	109	327	42	13,734	2	PVRC Sprinters
N3QE	TIM	MD	76	106	102	284	44	12,496	30	PVRC Sprinters
<b>K3UA</b>	<b>*PHIL</b>	<b>PA</b>	<b>66</b>	<b>76</b>	<b>109</b>	<b>251</b>	<b>45</b>	<b>11,295</b>	<b>2</b>	<b>NCC MRRRC FRIENDS EAST</b>
W3KB	*KEITH	PA	65	95	61	221	40	8,840	2	
N3DXX	ART	DE	74	86	37	197	41	8,077	8	
K3KU	*ART	MD	34	70	81	185	41	7,585	13	
N3SD	*GREG	PA	21	30	80	131	40	5,240	4	NCC MRRRC FRIENDS EAST
N8NA	*KARL	DE	0	58	41	99	37	3,663	56	
AB3WS	**SONNY	MD	0	11	0	11	10	110	0	
K4RO	KIRK	TN	85	147	122	354	46	16,284	170	Ad Hoc
K8MR	JIM	FL	104	137	68	309	44	13,596	10	NCC MRRRC FRIENDS EAST
N1LN	BRUCE	NC	71	120	105	296	45	13,320	22	
K7SV	*LAR	VA	74	117	108	299	44	13,156	16	PVRC Sprinters

Call Sign	Name	QTH	20	40	80	QSO	Mlt	Score	Bnd Chg	Team
N4AF	AL	NC	85	96	118	299	44	13,156	122	Ad Hoc
K0EJ	MARK	TN	65	123	110	298	44	13,112	2	South East Sprint Co
W4OC	*DON	SC	66	111	110	287	45	12,915	44	Ad Hoc
K1GU	NED	TN	68	113	97	278	44	12,232	2	YCCC #2
W4IX	*JOHN	SC	56	121	77	254	47	11,938	2	
KU8E	JEFF	GA	49	121	93	263	44	11,572	44	Ad Hoc
K2SX	DENNIS	SC	60	100	97	257	44	11,308	2	South East Sprint Co
W4NZ	TED	TN	49	107	101	257	43	11,051	28	South East Sprint Co
N4OX	*JAY	FL	63	106	72	241	42	10,122	6	South East Sprint Co
N4PN	PAUL	GA	69	109	57	235	42	9,870	2	DFW Contest Group
AA4CF	CHAS	GA	53	93	83	229	43	9,847	4	South East Sprint Co
KE3X	**KEN	VA	46	83	84	213	41	8,733	8	PVRC Sprinters
KY4F	*DOUG	AL	26	92	89	207	41	8,487	4	South East Sprint Co
N4CW	BERT	NC	59	85	68	212	39	8,268	2	
WF3C	LEX	FL	33	81	51	165	43	7,095	12	South East Sprint Co
WF7T	*BRAD	TN	25	70	59	154	39	6,006	72	
N5TOO	*VAN	GA	1	85	61	147	40	5,880	8	
N4IQ	BILL	SC	41	58	42	141	34	4,794	2	South East Sprint Co
N4CF	*MIKE	VA	10	44	60	114	41	4,674	6	PVRC Sprinters
KG3V	*TOM	VA	16	55	46	117	38	4,446	8	PVRC Sprinters
AA4GA	**LEE	GA	9	27	58	94	35	3,290	10	South East Sprint Co
N4YDU	NATE	NC	0	40	39	79	31	2,449	5	
N4DW	*DAVE	TN	0	20	25	45	26	1,170	1	
K4BAI	JOHN	GA	0	0	19	19	15	285	0	
K4GMH	MIKE	VA	0	21	0	21	13	273	0	PVRC Sprinters
N2IC	STEVE	NM	110	171	101	382	49	18,718	200	Ad Hoc
N3BB	JIM	TX	105	131	114	350	49	17,150	138	Austin Aces
N5RZ	GATOR	TX	99	146	109	354	47	16,638	166	DFW Contest Group
NR5M	GEO	TX	101	135	103	339	47	15,933	90	DFW Contest Group
N4OGW	TOR	MS	82	140	118	340	46	15,640	143	South East Sprint Co
AA5B	BRUCE	NM	102	114	100	316	47	14,852	2	
NM5M	ERIC	TX	100	124	92	316	46	14,536	2	DFW Contest Group
KZ5D	ART	LA	77	109	106	292	45	13,140	96	Austin Aces
K5TR	GEO	TX	82	118	103	303	43	13,029	2	Austin Aces
K5YAA	JERRY	OK	51	95	110	256	46	11,776	38	DFW Contest Group
N5DO	*DAVE	TX	90	88	65	243	43	10,449	2	Austin Aces
WQ5L	*RAY	MS	55	108	74	237	44	10,428	2	DFW Contest Group
K5CI	LEO	TX	61	91	80	232	42	9,744	4	DFW Contest Group
KG5U	*DALE	TX	54	85	80	219	42	9,198	84	Austin Aces
N5QQ	RON	TX	47	99	59	205	43	8,815	26	DFW Contest Group
N5OT	MARK	OK	41	92	34	167	39	6,513	2	MRRC NCC FRIENDS WEST
N5EE	*KEN	AR	46	56	60	162	36	5,832	4	
N5TJ	JEFF	TX	34	101	0	135	37	4,995	1	
K8LS	LARRY	TX	28	53	47	128	33	4,224	8	Austin Aces
N9NM	*BARB	TX	9	9	18	36	22	792	5	Austin Aces
K5MXG	CHAR	TX	27	5	0	32	17	544	1	21WPM LIDS
AF5CC	*JOHN	OK	0	24	3	27	20	540	1	
N5KO	TREY	CA	116	142	101	359	51	18,309	144	NCCC #1
N6MJ	DAN	CA	127	146	96	369	49	18,081	2	SCCC
N6TV	BOB	CA	100	157	117	374	46	17,204	108	NCCC #1
N6RO	KEN	CA	116	122	87	325	50	16,250	66	NCCC #1
K6XX	BOB	CA	113	129	100	342	47	16,074	4	NCCC #1
W6YX	MIKE	CA	121	127	88	336	47	15,792	2	NCCC #1
N6AA	DICK	CA	105	131	90	326	45	14,670	2	SCCC
K7GK	BILL	CA	107	117	74	298	47	14,006	6	NCCC #2
N6XI	RICK	CA	95	123	86	304	45	13,680	48	NCCC #1
AE6Y	ANDY	CA	105	126	76	307	44	13,508	60	NCCC #1
W6PH	KURT	CA	83	132	76	291	45	13,095	2	SCCC
N3ZZ	TOM	CA	102	109	81	292	44	12,848	2	NCCC #1
W6SX	HANK	CA	89	106	96	291	44	12,804	2	NCCC #1
K6LA	KEN	CA	96	120	68	284	45	12,780	32	SCCC
K9YC	JIM	CA	95	118	83	296	43	12,728	20	NCCC #2
N6ZFO	*BILL	CA	72	128	72	272	46	12,512	4	NCCC #2
K6MR	KEN	CA	103	112	67	282	44	12,408	2	NCCC #2
AJ6V	ED	CA	104	112	55	271	44	11,924	2	NCCC #2
N5ZO	MARKO	CA	71	126	59	256	44	11,264	18	SCCC
K6SRZ	ALAN	CA	78	102	57	237	44	10,428	2	NCCC #2
K6ZH	JIM	CA	86	108	45	239	43	10,277	4	SCCC
W6RGG	BOB	CA	89	95	49	233	43	10,019	2	NCCC #2
K6AW	STEVE	CA	95	84	70	249	39	9,711	2	NCCC #1
W6OAT	RUSTY	CA	105	74	40	219	43	9,417	2	NCCC #2
W6CT	SCOTT	CA	70	67	32	169	44	7,436	2	NCCC #2
KZ2V	*NICK	CA	57	77	41	175	39	6,825	2	NCCC #3
NE6I	DENNIS	CA	57	100	0	157	43	6,751	5	SCCC

Call Sign	Name	QTH	20	40	80	QSO	Mlt	Score	Bnd Chg	Team
W6UE	AL	CA	97	36	0	133	42	5,586	3	SCCC
K6NV	BOB	CA	19	41	30	90	31	2,790	4	NCCC #3
NØKQ	BILL	CA	17	26	21	64	25	1,600	3	Broncos fans
N6TR	TREE	OR	112	148	117	377	47	17,719	68	Oregon Sprinters
N9RV	PAT	MT	114	155	110	379	44	16,676	166	Big Sky Contesters
K6LL	DAVE	AZ	119	135	77	331	48	15,888	2	Arizona Outlaws CC
K7JR	JOE	OR	95	114	102	311	45	13,995	2	Big Sky Contesters
<b>N7CW</b>	<b>*BUD</b>	<b>AZ</b>	<b>83</b>	<b>122</b>	<b>79</b>	<b>284</b>	<b>47</b>	<b>13,348</b>	<b>4</b>	<b>Arizona Outlaws CC</b>
K4XU	DICK	OR	82	120	93	295	43	12,685	2	
<b>WJ9B</b>	<b>WILL</b>	<b>ID</b>	<b>70</b>	<b>121</b>	<b>95</b>	<b>286</b>	<b>44</b>	<b>12,584</b>	<b>22</b>	
KJ9C	*MEL	MT	85	102	71	258	45	11,610	4	Big Sky Contesters
W7WHY	TOM	OR	77	108	60	245	46	11,270	8	Oregon Sprinters
K7BG	*MATT	MT	90	119	60	269	40	10,760	4	Big Sky Contesters
WS7L	CARL	OR	79	85	52	216	46	9,936	6	Oregon Sprinters
AA7V	STEVE	AZ	81	94	61	236	42	9,912	2	Arizona Outlaws CC
N6VR	RAY	AZ	83	136	0	219	44	9,636	1	Arizona Outlaws CC
W9CF	*KEVIN	AZ	74	87	52	213	40	8,520	4	Arizona Outlaws CC
K17Y	JIM	OR	62	101	26	189	43	8,127	2	Oregon Sprinters
K7SS	DAN	WA	113	66	0	179	40	7,160	1	
NN7SS	**BURT	WA	80	85	11	176	40	7,040	3	
K5ZM	IAN	OR	61	66	15	142	38	5,396	4	
K7HBN	*GEO	WA	24	70	26	120	34	4,080	4	
NG7Z	*PAUL	AZ	41	52	21	114	35	3,990	2	Arizona Outlaws CC
WC7S	**DALE	WY	12	34	14	60	31	1,860	3	Broncos fans
N6HI	**JOHN	AZ	8	21	5	34	14	476	2	
KW8N	BOB	OH	63	111	119	293	47	13,771	15	MRRC NCC FRIENDS WEST
N8EA	*JOE	MI	61	102	102	265	42	11,130	17	MRRC NCC FRIENDS WEST
W1NN	*HAL	OH	55	80	109	244	45	10,980	8	MRRC NCC FRIENDS WEST
W8WTS	*JIM	OH	52	94	106	252	41	10,332	11	MRRC NCC FRIENDS WEST
KV8Q	*TOM	OH	40	71	91	202	45	9,090	4	
ND8L	RAY	OH	46	64	62	172	44	7,568	3	MRRC NCC FRIENDS WEST
W8UE	*TED	MI	18	86	30	134	41	5,494	7	
N8BJQ	*STEVE	OH	5	51	21	77	36	2,772	6	
N4HAI	TOM	OH	8	31	46	85	31	2,635	2	
N8XX	**SKIP	MI	0	3	21	24	16	384	1	MRRC NCC FRIENDS WEST
W9RE	MIKE	IN	88	140	117	345	44	15,180	154	Ad Hoc
K9NW	MIKE	IN	72	117	124	313	46	14,398	6	MRRC NCC FRIENDS WEST
N9CK	*STEVE	WI	66	113	117	296	46	13,616	77	Ad Hoc
K9BGL	KARL	IL	69	106	111	286	44	12,584	14	
K9AA	*MOE	IL	54	105	81	240	45	10,800	38	SMC Groundhog
W9PA	*DAVE	IN	32	65	80	177	42	7,434	2	MRRC NCC FRIENDS WES
W19WI	*JIM	WI	36	59	56	151	41	6,191	2	SMC Groundhog
WT2P	*CJ	IL	25	79	38	142	38	5,396	3	SMC Groundhog
K9KM	*HOWIE	IL	8	78	51	137	38	5,206	18	SMC Groundhog
KK9K	RON	WI	26	26	47	99	33	3,267	3	SMC Spring Flowers
WW9R	PAT	WI	13	35	29	77	30	2,310	2	SMC Groundhog
WB8RFB	*JOHN	IL	10	5	0	15	9	135	1	SMC Groundhog
WU9D	*MIKE	IN	0	4	0	4	4	16	0	SMC Groundhog
W9DCA	*DAVE	IL	0	4	0	4	3	12	0	SMC Spring Flowers
KØEU	KEN	CO	100	144	113	357	46	16,422	164	Broncos fans
WDØT	*TODD	SD	77	133	106	316	42	13,272	70	Ad Hoc
<b>NØAX</b>	<b>*WARD</b>	<b>MO</b>	<b>62</b>	<b>125</b>	<b>105</b>	<b>292</b>	<b>43</b>	<b>12,556</b>	<b>84</b>	<b>SMC Groundhog</b>
KØAD	*AL	MN	61	122	84	267	44	11,748	46	
NAØN	*PAT	MN	63	97	110	270	43	11,610	80	
ABØS	TIM	KS	49	114	102	265	42	11,130	2	
WØBH	BOB	KS	42	106	98	246	44	10,824	8	
WØETT	KEN	CO	42	122	50	214	44	9,416	5	Broncos fans
<b>KØAV</b>	<b>**ALAN</b>	<b>CO</b>	<b>34</b>	<b>85</b>	<b>45</b>	<b>164</b>	<b>44</b>	<b>7,216</b>	<b>57</b>	<b>Broncos fans</b>
KØUK	*BILL	CO	43	43	29	115	33	3,795	2	Broncos fans
KMØO	*TONY	MN	26	60	15	101	32	3,232	2	
AFØE	*ALEX	CO	18	55	0	73	31	2,263	1	
VE3KI	RICH	ON	76	108	80	264	43	11,352	2	
VE3YT	*VIC	ON	38	56	72	166	41	6,806	2	
VE5MX	TODD	SK	2	43	50	95	32	3,040	2	
<b>VY1AAA</b>	<b>DJ</b>	<b>NWT</b>	<b>56</b>	<b>47</b>	<b>2</b>	<b>105</b>	<b>27</b>	<b>2,835</b>	<b>4</b>	<b>YCCC #2</b>
VO2AC	*CHRIS	MAR	18	38	0	56	25	1,400	1	
NP2X	ED	KP2	95	113	92	300	42	12,600	16	NCC MRRC FRIENDS EAST
KP2M	PHIL	KP2	94	105	76	275	42	11,550	10	PVRC Sprinters
KH6TU	ALAN	KH6	71	68	0	139	36	5,004	1	NCCC #2
G4PIQ	ANDY	G	0	42	4	46	23	1,058	1	

\* Low Power      \*\* QRP