

February 2006 CW Sprint Results

Boring Amateur Radio Club

The first *NCJ* CW Sprint was held on September 11th UTC, 1977 starting at 0200z. The four lowest amateur bands were available, including 160 meters.

The rules for this contest appeared in the August 1977 *NCJ* and the results were reported by W6OAT in the October 1977 issue. While we might take pride in our current process of turning out the results within two weeks on the Internet, we have never since published the results so quickly in the printed magazine.

When the contest was over, nobody had a clue who had won. The rules stipulated that you had to use separate logs sheets on each band, starting with QSO number one each time. Also, since the multiplier for DX was not limited to North America, it was possible for someone to focus on country multipliers and win with a large multiplier. Of course, getting a DX station to dance to the unique QSY rule was going to be a challenge.

When the smoke cleared, Tom Schiller, N6BT, had the winning score with 231 QSOs and 44 multipliers. Topband was not a factor in this contest as most of the top ten had no QSOs there. On twenty meters, Tom's QSO total was reported as "89!" We assume the exclamation point was for emphasis since this was significantly above the QSO totals from the other stations (and not 89 factorial, which would be a very large total indeed).

This contest also included a multi-multi category and W0ZLN operated by WA0CWV and N0XX had 267 QSOs with 46 multipliers for a score of 12,282 points.

With 90 logs received and some band QSO totals approaching 150, it would seem that the first event was pretty popular. Remember, this was before the Internet and the *NCJ* was just a little magazine stapled together by some kids in Pasadena (WA6OTU, WB6KJI and WB6ZVC). The subscription cost was \$4 per year.

In the team category, the Independent Contesters team formed by John Crovelli, W2GD, trounced the other teams. In the first running, up to 15 team members were allowed. This means that this team has had more total victories in the contest than any other team during the entire existence of the CW Sprint. The WASP (Winning Alliance of Sprint People) came close, but is one shy of their total.

At the end of the printed results, Rusty mentions that a large number of letters

The complete top ten looked like this:

Call	Name	QTH	20	40	80	160	Total	Mult	Score
N6BT	Tom	CA	89!	118	24	0	231	44	10,164
W2REH	Joe	NJ	32	79	97	0	208	45	9,568
K4BAI	John	GA	47	78	95	0	220	41	9,020
N6TV	Bob	CA	69	105	37	2	213	42	8,946
K3UA	Phil	PA	48	56	110!	0	214	41	8,774
K5RC	Tom	TX	58	148!	0	0	206	42	8,652
N2NT	Andy	NY	23	90	97	0	210	41	8,610
K6RV (N6OP)	Bill	CA	65	100	31	0	196	43	8,428
N4SA	Dan	FL	39	50	107	0	207	39	8,073
WA5YTX	Fred	NM	0	148!	50	0	198	40	7,920

TOP 10

Call Sign	Scores	Band Changes	QSOs Lost	00Z	01Z	02Z	03Z
N2NL	16873	101	7	107	89	77	88
N2IC	15996	136	1	118	83	86	85
N6TR	15781	64	1	95	98	95	79
W6YI	15752	88	2	110	86	85	77
K5TR	14921	136	2	106	82	91	69
N9RV	14564	137	2	102	72	74	84
K5GA	14256	132	4	87	87	84	66
N6ZZ	14028	2	0	92	87	59	96
K6LL	13776	2	0	99	86	68	83
N3BB	13640	139	4	89	69	80	72

Top One-Radio

Call sign	Score	Band Changes	QSOs Lost	00Z	01Z	02Z	03Z
N6ZZ	14028	2	0	92	87	59	96
K6LL	13776	2	0	99	86	68	83
N6AA	13502	4	5	89	84	59	84
N6TV	13459	8	2	87	67	87	73
W6YX	12427	2	2	77	85	62	66
K6NA	12363	5	1	91	83	81	62
K9NW	12348	7	3	77	74	85	59
N4OGW	12000	4	0	80	75	73	72
W6RGG	11782	2	4	72	68	62	72
K4XU	11726	2	10	78	69	67	72

and soapbox comments indicated that some changes needed to be made to the contest. A questionnaire was included in the issue. Here are some of the questions that were asked:

1. Should the contest be moved up to 0100z? (It was).
2. Should 160 meters be dropped? (It was).
3. Should 15 meters be added? (It was not).
4. Should multipliers be counted once per band? (They were not).
5. Should the operator's name be replaced with RST? (It was not).
6. Should the number of participants on a team be limited to 10? (It was).
7. Should logs by band be abandoned and have the QSO number be the total number of contacts? (This change was made).

With these changes, the contest became very close to today's CW Sprint. The starting time was eventually moved up to 00z and multipliers were restricted to North American countries along the way.

Top 10 QSOs

N2IC	372
N6TR	367
N2NL	359
W6YI	358
K5TR	347
K6LL	336
N6ZZ	334
N9RV	331
K5GA	324
W4PA	324

Top Mults

N2NL	47
NK7U	46
K5GA	44
KW8N	44
N3BB	44
N9RV	44
W6YI	44
AA3B	43

Top Low Power

N0AX	9984
N4PN	9234
N5DO	9139
W9WI	9120
K5AF	8970
KA9FOX	8880
N6ZFO	8816
N7CW	8806
K7SV	8720
N6PN	8697

Top QRP

N0SXX	2756
N6WG	2024
NB7Q	1533
NA4BW	1482
WC7S	230

Golden Logs

K6LL	336
N6ZZ	334
K6LA	315
N4OGW	300
K5KA	291
N6XI	279
N5DO	247
K9BGL	218
W5JAW	210
K2UA	52
VE3RCN	28
N7EIE	12
N0AT	4

Top 10 Band Changes

W4PA	155
N3BB	139
N9RV	137
K5TR	136
N2IC	136
K5GA	132
N2NT	126
N2NL	101
W6YI	88
AA3B	84

Team Scores

NCCC #1	SCCC #1	Austin Powers Rangers	PVRC/FRC #1
N2NL 16873	W6YI 15752	K5TR 14921	N2NT 12546
N6TV 13459	K6LL 13776	K5GA 14256	N4AF 12040
NK7U 13064	K6LA 13545	N3BB 13640	AA3B 11997
W6YX 12427	N6AA 13502	K5NZ 12684	W2RQ 11214
AE6Y 12054	W4EF 12986	N4OGW 12000	N2NC 10962
W6RGG 11782	K6NA 12363	K5OT 11508	K3WW 10277
K6AW 11000	AC6T 10725	N5DO 9139	K3MD 9160
N6XI 10881	XE1NTT 10374	K5AF 8970	K7SV 8720
K7NV 9500	W6SJ 6358	W5JAW 7980	WW2Y 8126
K6RB 9477	K6EY 864	AC5AA 2700	N8NA 3706
Total 120517	Total 110245	Total 107798	Total 98748

5. SSC #1 (W4PA, K4BAI, K4RO, W4NZ, KU8E, K4FXN, N4PN, W9WI, AA4GA)	91978
6. Dead Lizards Can't S (N9RV, W9RE, AG9A, N9CK, K0OU, KA9FOX, K9KM, J79WI, K9ZO, WW9R)	78030
7. NCCC #2 (AJ6V, N6ZFO, N6PN, NI6T, W0YK, W6OAT, K6LRN, KF6ZWZ, W6RK, N6WG)	74154
8. Azenmokers (N2IC, N6ZZ, N5OT, K5KA, W7YS)	58135
9. Corner Pocketeers (N6TR, N0AX, N7WA, K1Y, K7WA, NG7Z, N7LOX)	48373
10. PVRC/FRC #2 (WJ9B, W4AU, N4ZR, W3YY, K3STX)	30886
11. YCCC #1 (K1KI, K1HT, K5ZD, W1JQ)	27739
12. SSC #2 (K4LTA, K1GU)	15957
13. Coloradoans (W0ETT, K0RI, N0SXX)	13952
14. MWA (K0AD, AC0W, KS0T)	13666
15. North Coast Contesters (KL7WV, K2UA)	9018
16. Austin Powers Rustlers (WQ5L, KS5V)	6192
17. NCCC #3 (N06X, K6NV)	6120
18. EU LiDz (LZ9W, DJ1YFK)	4281
19. SCCC #2 (KQ6ES, K1USC, N6TW)	3378

One thing seemed to have become impossible, however. No station from California ever won this contest again. K6LL/7 did win the event just over the border in Yuma, Arizona—and several second place showings were posted, but it wasn't until nearly 30 years later that someone from California would win the contest.

That someone is Dave Mueller, N2NL. Due to a recent transfer by the Coast Guard, Dave found himself moving from Key West to Novato, California about 20 miles north of the Golden Gate bridge. Dave had been posting some pretty impressive scores from the station of K1PT back in Florida and took full advantage of the opportunity to operate from W6NL's mountaintop station. Perhaps someone forgot to mention that you couldn't win from California. At any rate, Dave finally erases one of the more fun trivia questions about the CW Sprint, which was "Who is the only person to have won a CW Sprint from California".

It would seem we need a new trivia question to replace this. We propose the following: "What stations were active in both the first and fifty-ninth CW Sprint?" The answer is K1EA, N2NT, W2RQ, W3YQ/KL7WV, K3UA, K4BAI, N6AN (WB6KJI), N6TV, KW8N (WB8DQP), K8MR, W9RE and K0OU (WB0LFY). Special mentions to K5RC who is now W7RN and had his station operated by KL2A this time around and Danny, K7SS, who was active this time, and had K7RA as a guest op in the first one.

As with the first running of the event, we are left with a question that might result in a small rules change. For the

past 12 years or so, the CW Sprint has typically been run during the same weekend as the CQ WPX RTTY contest. This contest has grown significantly during the last five years to the point that it qualifies as a major contest event. The impact to the CW Sprint is felt by having fewer operators on for the contest—and a significant QRM problem on 40 meters. The CW sprint activity gets pushed down the band, and this time that was a major issue with the 3Y0X DXpedition going full force.

Do you think the CW Sprint should be moved to prevent this conflict? Let us know and a decision will be made after the September Sprints. One option is to swap it back with the Phone Sprint—which does conflict with the FOC marathon—but that is probably a smaller impact than the RTTY contest. Another possible option is a three way swap with the RTTY Sprint moving up to be the first sprint in February, and the other two moving back one slot. This would put the CW Sprint on the last weekend of February.

QRP Category

Five QRP logs were received this time around. Gary Slagel, N0SXX, operating from Colorado posted the winning score with 108 QSOs in the log, holding off Bob, N6WG, who climbed to 100 QSOs just before the contest ended. Gene, KB7Q, stopped off on his way to Mexico to give the Sprint a try using a mobile setup and put an impressive 80 QSOs in the log. NA4BW put in a full effort for four hours, but could only manage to get 68 QSOs in the log and WC7S did his



Dave Mueller, N2NL

best to put Wyoming in your log with a solid effort on all three bands. Remember to keep an ear out for those weak ones.

Low Power Category

In the shoeless category, that famous QST author, N0AX, posted the top low power score. This is a fine way for Ward to close out operations from his old station in Washington. I expect he will be a guest operator in some of the future sprints until he settles down in a new place. A close three way race for second place was won by Paul, N4PN, from Georgia with Dave, N5DO and Doug, W9WI, on his heels. K5AF had a bit of breathing room for fifth place and the rest of the pack were nearly too close to call. Special mention must be made to Matt, N6PN, who snuck into the top ten. Matt was one of my early Elmers and was the first person I talked to on a ham radio. Matt used to sponsor a contest back 40 years ago called the Ten Meter Band Opening contest, which might have been inspiration for some of the current contests that are sponsored by the Boring Amateur Radio Club. You might remember WB6KPN appearing in some of the early Amateur Radio films produced by Dave Bell, W6AQ.

High Power

Going into the event, Steve, N2IC and Tree, N6TR, were the favorites and neither one disappointed as they battled it out for the high QSO total. Steve jumped out to a huge 23 QSO lead after the first hour, and hung on to finish five QSOs ahead of Tree. However, N2NL found enough extra multipliers to sneak ahead of both of them. Dan, N6MJ, operating from the W6YI superstation, was the only other log to finish above 350 QSOs. Does anyone think the team of N2NL and N6MJ might be tough to beat at WRTC-2006? The rest of the top ten includes N5RZ operating from K5TR, last September's winner N9RV and two "one radio" scores from N6ZZ and K6LL. N3BB snuck in for tenth place.

The one radio category is dominated by West Coast stations, which makes sense as they were able to make hay for a significant time on 20 meters at the start and maintain a more traditional band change philosophy.

Team Competition

The Northern California Contest Club has been very active in promoting the CW Sprint contest, holding practice sessions on Thursday nights and a ladder competition during the summer. They are training a whole new crop of Sprint operators. This paid off for them with a victory in the team competition over their rival Southern California Contest Club. Austin Powers Rangers came in third followed by the PVRC/FRC team. The nineteen teams that were registered accounted for the majority of activity in the contest. This continues to demonstrate that forming a team is one positive way to improve activity in the contest.

Records

Three new records were established this time around. KB7Q's QRP effort set a new record in Arizona. J79WI posted the first score from Dominica and DJ1YFK pushed up his German record.

Next Time

The next *NCJ* CW Sprint will be held in September on Saturday 10th UTC (Saturday the ninth local time). For team registration, use the *NCJ* Web page at www.ncjweb.com. Logs can be submitted via e-mail to cwsprint@kkn.net or using the log submission form on the *NCJ* Web site. There is also a handy log submission form on the *NCJ* Web page for those of you who kept a paper log. Logs are due seven days after the contest.

Check out the Web resources at n6tr.jzap.com/sprint.html and rules, records and previous results at the *NCJ* Web page at www.ncjweb.com. Previous results can also be viewed on the *NCJ* Web page.

Soapbox

No propagation at all on 20m. On 40m I had to contend with the PA contest, 3Y0X and that infernal RTTY racket, so got to 10 QSOs and then gave up.—*G4BUO*

Many difficulties, but it was fun and interesting to do. Arrived at the QTH about 3 hours before the start, and with the help of K5KG, K1XX, W4IX and KK9K, got the antenna up and the rig and computer running about 30 mins before the start. Very slow start, but then things picked up a bit. Fought through sleep deprivation, unfamiliar radio (IC

756PROII), unfamiliar logging program (*Writelog*, I use *NA* in sprint home), RF in the computer on 80, so I had to hand key everything there, low power, low antenna (V at 35 ft), and everyone pointing their beams elsewhere. But in the end it was fun and informative. Thanks to everyone who pulled my signal out. Operator WI9WI.—*J79WI*

Worked KL7, ZF2, J79, and XE on 80 meters. Missed some easy ones like AR, AL, IA, NE, and VE7—best 4 hours in radio—*K0OU*

20 stayed open longer than I expected, but it might as well have closed. I wasn't getting many answers (30 QSOs in 63 minutes). I have hardly ever had my best hour on 80!—*K1HT*

Took a while to make my first contact. It was tough trying to get up to speed and then catching someone before they were taken and gone. 20 meters was fast at the start of the contest so I went to 40M to get started and eased into it. Once all the speed demons had worked each other, it slowed down to something recognizable that I could work. I got into a groove after an hour or so, but still a tough process. Thanks to all for QRSing and the repeats. Even folks I've worked in other contests, my brain needed repeats to get the names right. My goal here was to get more experience at copying CW in stressful conditions. It helped and I feel ready to take on next week's contest as part of a Multi-Multi group here in So. Cal. I'll still be the slow one in the group, but I'm improving.—*K1USC*

Not a fun Sprint. The RTTY conflict and early sunset combined with low sunspots to make for my worst opening hour ever. Looking forward to September, though!—*K2UA*

Not too bad—a good warm-up for the DX contest. Glad to make the No 1 team from PVRC/FRC after I agitated the club in the reflector to put in a showing. My first sprint (the third held, I think) was 112 contacts.—*K3MD*

Missed Kentucky as usual. Bands were sure long.—*K4FXN*

With 3Y0X and WPX RTTY both on, it was bumper car action on 40 meters. More band changes, more CQs, lower score. Maybe I should stick to one radio in this contest. Still the best four hours on the air. Thanks for showing up.—*K4RO*

Great contest as always, the hardships caused by RTTY contest, band conditions an—*K5AF*

Second radio cratered early in second hour ... just as I was feeling better about the two-radio rhythm. Guess it ended up as SO-1.25R radio category?—*K5OT*

Very frustrating at end of the first hour, so took a break to watch the Olympics.

Bring back the sunspots!—*K5ZD*

Limited operating time...bummer, but fun as usual!—*K6EY*

Decent start on 20, early to 40. Conditions were flaky, north-south path was difficult, the Seattle guys were weak on every band; few Canadians.—*K6NA*

Off to a bad start killing 20 minutes figuring out logging program misconfiguration. Settled down during second hour, but then had to contend with the RTTY/3Y0 situation on 40.—*K7SV*

I need to get SO2R going and maybe study the code too.—*KA9FOX*

We're on our way to Mexico in the RV. Stopped at Painted Rocks Petroglyph site in near Gila Bend, AZ to give QRP Sprinting a try as my first sprint effort. Good code practice (humor)! A K-2 with 25' of vertical on the back bumper.—*KB7Q*

Tree made me send this log in.—*KL7RA* (what a whiner—*Ed*.)

My first Sprint since 2000. I don't know I ever stopped doing it.—*KQ6ES*

Need to get on CW more. A few times a year doesn't cut it here.—*KW8N*

Although it looked like the possibility of 20 being a washout was strong, there was quite a bit of action for the first hour. Then it really went fast. Low power guys had to dodge fast on forty, or else a giant foot came out of the Midwest and flattened you! Finally, 80 turned out great—best finish ever on 80 and the first time I've ever had more Qs on 80 than 40 or 20. Low flux sprints are a different animal. This is probably the last sprint for me from this QTH—it's been quite a good run and I'll miss it!—*N0AX*

FUN-O-FUN! All three bands were great from here. RTTY/3Y0X made 40m real interesting. KL7WV was outstanding on all three bands. This is a lot of fun...maybe sked on weekend when no RTTY Test.—*N4PN*

I'm sure glad 3Y0X pileups and RTTY contests won't be around next time.—*N6TV*

Sprint was really tough chewing this time. I made a strategic error in spending way too much time CQing. Should have focused on S&P with just the occasional CQ following an S&P QSO. Still, I only missed my previous best by 4 QSOs, so I don't feel too bad. As we say in bowling, at least I beat my average. Mults seemed a lot harder to come by this time. I see a lot of others also noticed this too. I was down 9 mults from last year. Worked no VEs at all, but I did hear one VE7. Holiday from radio? I hope in the future the various contests can be a bit better coordinated, so we don't have this horrible cat fight going on for QSO room. This was just ridiculous. Anyway, as usual, Sprint was a

great "learning experience". Now getting ready for the upcoming ARRL DX contest. Hope for better conditions. Thanks for the Qs and see you on the air.—N6WG

Awful! With pileups on 3Y0X on 20 and 40 and huge RTTY activity on 40, this was the worst Sprint in memory. Yuck!—N6XI

This is one of the most challenging contests out there, especially when I haven't tried it in 3 years! CU in September.—N7EIE

Nothing much doing on 20m. A fair amount of noise on 40m and 80m with the snow storm, so sorry if I missed anyone who needed DE.—N8NA

Next time I will be Bob. Should change my call to N9SZ.—N9HZ

40 was certainly a challenge. It also was in terrible shape, propagation wise, for most of the contest. I look forward to working Ohio and Illinois again sometime.—N9RV

What a disaster that was! First, I got home from a funeral a couple of minutes before the contest. No time to check the computer hoping the config file was right. 20m was fine but I noticed that the dupe sheet wasn't working right. So kept plugging away at the contest. Then, when I changed to 40m, I found that the band was filled with a DX pile up and what seemed like hundreds of RTTY signals. Only made 7 Qs on that band. Then my wife comes home early and wants to talk. Then the software really started to act up. Something was terribly wrong so I had to start all over with the contest setup and re-log everything. By that time

I got the software running correctly, 40m was useless and so I went to 80m. Finally made good progress. Near the end, I heard 3Y0X calling CQ and immediately a pileup started and spread. Didn't know who was calling for NA or the DX. Maybe I'll just take a valium and go to bed.—NG7Z

Sprint was lively as always. RTTY contest hurt 40m effort which is too band as conditions seemed very good. 80m was my best band for QSOs, which is a complete change from past sprints.—W0ETT

Score down a bit, but still enjoyed this Sprint—W2RQ

Bad snow storm during contest. Precipitation static and de-tuning of antennas limited operation.—W3YY

A Yaesu MarkV Field transceiver running 100 W—SO1R—to a modified 40m Carolina Windom at 30 feet. This was my second Sprint. About same results as last year, but lots more work this time what with conditions and 40m distractions. As usual on 20, I was always behind the curve. 40 is usually my best band, but I really struggled there too. Never would have thought that 80 would be my best rate band, with a half sized, low antenna. One kick in the butt was being called by J79WI on 80 near the end of the contest. Heard him CQing with no answers after that. Apologies to the guys who I slowed down when making bad typing mistakes. My keyboard broke a few hours before the contest, and I had to get a replacement. I changed over to a curved, ergonomically sound version that is a lot more com-

fortable to use. Unfortunately, in the heat of battle, my limited muscle memory wanted to still use the old keyboard. I especially remember one QSO with Tree where I screwed up big time, and then could not answer the pileup calling afterward. All told, I figure I lost about a dozen Qs because of this problem. Still, it's the coolest contest going. And, yes, rescheduling to avoid RTTY contest would be a good thing. Jim—W5JAW

Operating from AA6PW. Thanks, Bob—W6SJ

Equipment: FT1000 and low dipoles. This was tough going due to low sunspots and the RTTY contest that was taking place at the same time. There were not as many sections present as in the past.—WW2Y

First time CW sprint. Wow—my brain hurts!—WW5X

Many thanks to Hector, XE2K, for the use of his fine station. I got a pretty good start on 20. But things cooled down too fast and got slower as time passed. 84, 72, 65, 53 were my hour totals. 40 was quite a slog after the 20 minutes or so. I needed to go to 80 sooner than expected. After last year's experience in the ARRL DX CW test I knew XE1NTT/2 is not so easy to copy, but I didn't anticipate as much difficulty in the Sprint. I wonder if the call sign variations I experienced were typing errors or just difficulty copying? As I became less of a multiplier later in the contest my QSO rate really tanked because some callers seemed just a bit too anxious to call me.—XE1NTT

Scores

(* indicates low power, ** indicates QRP)

Call	Name	QTH	20	40	80	QSO	Mlt	Score	Team	Call	Name	QTH	20	40	80	QSO	Mlt	Score	Team
K1KI	TOM	CT	73	67	128	268	39	10452	YCCC #1	K7SV	*LARRY	VA	38	90	90	218	40	8720	PVRC/FRC #1
K1HT	*DAVE	MA	29	105	85	219	38	8322	YCCC #1	K4AMC	*JIM	TN	57	73	88	218	38	8284	
K5ZD	RANDY	MA	51	64	96	211	39	8229	YCCC #1	W4AU	JOHN	VA	55	79	69	203	40	8120	PVRC/FRC #2
W1JQ	*MIKE	CT	0	0	32	32	23	736	YCCC #1	K1GU	*NED	TN	52	76	55	183	39	7137	SSC #2
N2NT	ANDY	NJ	64	123	119	306	41	12546	PVRC/FRC #1	AA4GA	*LEE	GA	60	69	67	196	35	6860	SSC #1
W2RQ	BILL	NJ	52	104	111	267	42	11214	PVRC/FRC #1	N4GG	HAL	GA	8	53	89	150	37	5550	
N2NC	JOHN	NJ	46	101	114	261	42	10962	PVRC/FRC #1	N5VI	*VAN	GA	44	57	52	153	34	5202	
N2GC	MIKE	NY	0	61	82	143	39	5577		NA4K	STEVE	TN	15	46	58	119	37	4403	
K2UA	RUS	NY	27	25	0	52	24	1248	North Coast	W3YY	BOB	VA	52	47	13	112	31	3472	PVRC/FRC #2
N2ZN	*KEN	NY	0	12	25	37	18	666		K4MX	*JERI	VA	3	24	40	67	27	1809	
AA3B	BUD	PA	42	127	110	279	43	11997	PVRC/FRC #1	NA4BW	**BRIAN	GA	20	6	31	57	26	1482	
K3CR	ALEX	PA	62	101	104	267	42	11214		N4LF	*LEX	FL	8	6	32	46	19	874	
K3WW	CHAS	PA	50	81	108	239	43	10277	PVRC/FRC #1	N2IC	STEVE	NM	128	139	105	372	43	15996	Azenmokers
K3MD	JOHN	PA	60	69	100	229	40	9160	PVRC/FRC #1	K5TR	GEO	TX	98	145	104	347	43	14921	Austin Rangers
N8NA	*KARL	DE	3	50	56	109	34	3706	PVRC/FRC #1	K5GA	BILL	TX	81	136	107	324	44	14256	Austin Rangers
K3STX	*PAUL	MD	24	32	50	106	28	2968	PVRC/FRC #2	N6ZZ	PHIL	NM	113	124	97	334	42	14028	Azenmokers
N3SD	*GREG	PA	0	6	25	31	18	558		N3BB	JIM	TX	79	131	100	310	44	13640	Austin Rangers
W4PA	SCOTT	TN	84	131	109	324	42	13608	SSC #1	N5OT	MARK	OK	97	128	86	311	41	12751	Azenmokers
N4AF	AL	NC	68	126	107	301	40	12040	PVRC/FRC #1	K5NZ	MIKE	TX	85	111	106	302	42	12684	Austin Rangers
K4BAI	JOHN	GA	67	86	115	268	43	11524	SSC #1	N4OGW	TOR	MS	91	111	98	300	40	12000	Austin Rangers
K4RO	KIRK	TN	79	96	109	284	39	11076	SSC #1	K5KA	KEN	OK	90	106	95	291	40	11640	Azenmokers
W4NZ	TED	TN	76	93	88	257	42	10794	SSC #1	N5DO	*DAVE	TX	73	106	68	247	37	9139	Austin Rangers
KU8E	JEFF	GA	85	75	89	249	41	10209	SSC #1	K5AF	*PAUL	TX	53	88	89	230	39	8970	Austin Rangers
K4FXN	DAN	KY	47	99	87	233	41	9553	SSC #1	N5PO	LEE	TX	61	78	84	223	36	8028	
N4PN	*PAUL	GA	86	76	81	243	38	9234	SSC #1	W5JAW	*JIM	TX	50	80	80	210	38	7980	Austin Rangers
W9WI	*DOUG	TN	58	79	91	228	40	9120	SSC #1	WQSL	*RAY	MS	63	64	51	178	34	6052	Austin Rustlers
WJ9B	WILL	FL	71	96	54	221	40	8840	PVRC/FRC #2	N5CHA	*TODD	TX	43	15	50	108	32	3456	
K4LTA	BILL	TN	67	79	64	210	42	8820	SSC #2	AC5AA	*DUANE	TX	10	37	43	90	30	2700	Austin Rangers
										WW5X	*BILL	OK	22	48	16	86	26	2236	

Call	Name	QTH	20	40	80	QSO	Mlt	Score	Team	Call	Name	QTH	20	40	80	QSO	Mlt	Score	Team
W5ASP	*JOE	TX	50	28	0	78	24	1872		KW8N	BOB	OH	62	89	90	241	44	10604	
KSSV	*ED	TX	16	4	0	20	7	140	Austin Rustlers	W1NN	HAL	OH	53	73	109	235	40	9400	
N2NL	DAVE	CA	109	148	102	359	47	16873	NCCC #1	N8EA	*JOE	MI	51	63	78	192	39	7488	
W6YI	JIM	CA	103	134	121	358	44	15752	SCCC #1	N4ZR	*PETE	WV	44	74	79	197	38	7486	PVRC/FRC #2
K6LA	KEN	CA	111	123	81	315	43	13545	SCCC #1	K8MR	JIM	OH	36	61	90	187	39	7293	
N6AA	DICK	CA	108	129	77	314	43	13502	SCCC #1	K8BB	DON	MI	45	51	102	198	36	7128	
N6TV	BOB	CA	120	105	88	313	43	13459	NCCC #1	W8TM	*PAUL	OH	27	52	44	123	35	4305	
W4EF	MIKE	CA	106	112	84	302	43	12986	SCCC #1	W8WTS	*JIM	OH	23	27	53	103	28	2884	
W6YX	MIKE	CA	100	102	87	289	43	12427	NCCC #1	W8UE	*TED	MI	4	14	36	54	31	1674	
K6NA	GLEN	CA	98	111	108	317	39	12363	SCCC #1	N9RV	PAT	IN	92	126	113	331	44	14564	Dead Lizards
A6EY	ANDY	CA	104	115	68	287	42	12054	NCCC #1	W9RE	MIKE	IN	93	99	119	311	42	13062	Dead Lizards
W6RGG	BOB	CA	84	101	89	274	43	11782	NCCC #1	K9NW	MIKE	IN	74	86	134	294	42	12348	
K6AW	STEVE	CA	83	99	93	275	40	11000	NCCC #1	AG9A	MARK	IL	69	118	98	285	40	11400	Dead Lizards
N6XI	RICK	CA	81	105	93	279	39	10881	NCCC #1	N9CK	STEVE	WI	61	98	104	263	41	10783	Dead Lizards
AC6T	STEVE	CA	102	106	67	275	39	10725	SCCC #1	WT9U	JIM	IN	46	82	91	219	41	8979	
AJ6V	ED	CA	99	101	66	266	38	10108	NCCC #2	K9BGL	KARL	IL	79	46	93	218	41	8938	
K6RB	ROB	CA	81	75	87	243	39	9477	NCCC #1	KA9FOX	*SCOTT	WI	58	81	101	240	37	8880	Dead Lizards
N6ZFO	*BILL	CA	95	79	58	232	38	8816	NCCC #2	K9QVB	*JOHN	IL	52	74	53	179	38	6802	
N7CW	*BUD	CA	78	99	61	238	37	8806		K9KM	*HOWIE	IL	17	52	62	131	36	4716	Dead Lizards
N6PN	*MATT	CA	73	85	65	223	39	8697	NCCC #2	N9HZ	*BRENT	IN	17	15	68	100	36	3600	
N16T	AL	CA	83	96	60	239	36	8604	NCCC #2	K9ZO	RALPH	IL	0	0	55	55	27	1485	Dead Lizards
W0YK	ED	CA	82	92	61	235	36	8460	NCCC #2	WW9R	*PAT	WI	2	16	21	39	22	858	Dead Lizards
W6OAT	RUSTY	CA	101	108	19	228	36	8208	NCCC #2	K0OU	STEVE	MO	71	95	85	251	38	9538	Dead Lizards
K6LRN	DICK	CA	74	74	56	204	40	8160	NCCC #2	WW2Y	*PETER	NE	62	75	102	239	34	8126	PVRC/FRC #1
KF6ZWZ	AL	CA	76	81	47	204	35	7140	NCCC #2	W0BH	BOB	KS	81	54	86	221	36	7956	
W6SJ	*RANDY	CA	62	79	46	187	34	6358	SCCC #1	K0AD	AL	MN	59	85	73	217	36	7812	MWA
N06X	KEN	CA	62	53	23	138	33	4554	NCCC #3	W0ETT	*KEN	CO	78	40	80	198	37	7326	Coloradoans
W6RK	*RISTO	CA	41	75	11	127	31	3937	NCCC #2	K4IU	*FRED	MN	27	49	72	148	32	4736	
KQ6ES	*JOHN	CA	45	40	14	99	24	2376	SCCC #2	K0RI	LOU	CO	43	48	38	129	30	3870	Coloradoans
N6WG	**BOB	CA	33	35	24	92	22	2024	NCCC #2	AC0W	*BILL	MN	16	39	44	99	30	2970	MWA
N6NF	*TOM	CA	3	44	26	73	27	1971		KS0T	*MIKE	MN	1	39	63	103	28	2884	MWA
K6NV	BOB	CA	22	3	33	58	27	1566	NCCC #3	N0SXX	**GARY	CO	43	30	33	106	26	2756	Coloradoans
K6EY	*BECKY	CA	0	38	10	48	18	864	SCCC #1	K0PC	*PAT	MN	22	29	22	73	26	1898	
K1USC	*TONY	CA	15	24	9	48	14	672	SCCC #2	N0BK	*BRUCE	MN	2	0	13	15	13	195	
N6TW	*LARRY	CA	1	10	22	33	10	330	SCCC #2	N0AT	RON	MN	4	0	0	4	4	16	
W6NOW	*JUAN	CA	5	1	0	6	4	24		VA3NR	CHRIS	VE3	50	92	64	206	34	7004	
N6TR	TREE	OR	105	132	130	367	43	15781	Corner Pocketeers	VE3RCN	*KEVIN	VE3	0	1	27	28	20	560	
K6LL	DAVE	AZ	123	119	94	336	41	13776	SCCC #1	XE1INTT	REX	XE	95	97	81	273	38	10374	SCCC #1
NK7U	JOE	OR	67	105	112	284	46	13064	NCCC #1	LZ9W	LILYA	LZ	0	83	20	103	33	3399	EU LiDz
K4XU	DICK	OR	81	97	108	286	41	11726		J79WI	*JIM	J7	27	53	18	98	28	2744	Dead Lizards
K07AA	BILL	AZ	91	101	75	267	38	10146		DJ1YFK	FAB	DL	0	30	12	42	21	882	EU LiDz
N0AX	*ED	WA	83	85	88	256	39	9984	Corner Pocketeers	G4BUO	DAVE	G	0	8	0	8	6	48	
K7NV	KURT	NV	100	99	51	250	38	9500	NCCC #1										
KL7WV	TIM	AK	73	86	63	222	35	7770	North Coast										
N7WA	*MIKE	WA	65	80	63	208	37	7696	Corner Pocketeers										
KN5H	STEVE	AZ	67	56	72	195	35	6825											
K17Y	*JIM	OR	40	83	38	161	34	5474	Corner Pocketeers										
W7YS	*BILL	AZ	70	26	24	120	31	3720	Azenmokers										
K7WA	*JIM	WA	39	59	21	119	31	3689	Corner Pocketeers										
NG7Z	*PAUL	WA	42	6	67	115	31	3565	Corner Pocketeers										
N7LOX	*BRIAN	WA	62	16	0	78	28	2184	Corner Pocketeers										
AB7RW	*PHIL	WA	10	15	36	61	28	1708											
KB7Q	**GENE	AZ	43	2	28	73	21	1533											
W3CP	*JIM	OR	11	19	28	58	25	1450											
KL7RA	RICH	AK	34	10	2	46	16	736											
WC7S	**ED	WY	7	13	3	23	10	230											
N7EIE	*LEROY	WA	4	3	5	12	8	96											

CW Sprint Records—Through Feb-2006

QTH	Pwr	Date	Call	20	40	80	QSO	Mul	Score	GQTH	Pwr	Date	Call	20	40	80	QSO	Mul	Score
AK	H	Feb-2000	KL9A	139	63	0	202	47	9,494	A	H	Sep-2003	K4AAA (W4AN)	146	170	88	404	54	21,816
AK	L	Feb-1995	KL7FAP	7	0	0	7	6	42	GA	L	Feb-2003	KUBE	42	124	81	247	48	11,856
AK	Q	Sep-2003	N6TR/KL7	1	0	0	1	1	1	GA	Q	Sep-2005	NA4BW	15	28	20	63	28	1,764
AL	H	Feb-2004	K4NO	115	98	67	280	48	13,440	IA	H	Sep-2000	N0NI (AG9A)	126	136	89	331	43	15,093
AL	L	Sep-2003	K4IQJ	70	89	60	219	44	9,636	IA	L	Sep-1998	K0RX	70	84	73	227	43	9,761
AL	Q	Feb-1998	KJ3V	0	8	0	8	7	56	IA	Q								
AR	H	Feb-2000	K5GO	81	117	80	278	50	13,900	ID	H	Feb-2000	W7ZRC	123	107	44	274	45	12,330
AR	L	Sep-1995	N8VV	49	54	38	141	39	5,499	ID	L	Feb-2001	W7UQ (KL9A)	144	88	44	276	48	13,248
AR	Q									ID	Q								
AZ	H	Feb-2000	K6LL	178	144	42	364	50	18,200	IL	H	Sep-2003	AG9A	130	162	73	365	52	18,980
AZ	L	Feb-2002	K7UAZ (N4OGW)	126	87	23	236	45	10,620	IL	L	Sep-2003	K9AA (K9PG)	112	119	59	290	48	13,920
AZ	Q	Feb-2006	KB7Q	43	2	28	73	21	1,533	IL	Q	Feb-1999	WO9S	43	66	32	141	41	5,781
CA	H	Feb-2003	W6EEN (N6RT)	150	147	81	378	54	20,412	IN	H	Sep-2003	N9RV	134	168	87	389	53	20,617
CA	L	Feb-2004	N6MJ	106	158	77	341	50	17,050	IN	L	Feb-2003	KJ9C	76	95	91	262	48	12,576
CA	Q	Feb-2002	K6III	122	27	4	153	48	7,344	IN	Q								
CT	H	Sep-2003	K1KI	153	132	84	369	50	18,450	KS	H	Sep-1982	K0VBU	50	103	78	231	42	9,702
CT	L	Sep-1999	NT1N	122	115	43	280	49	13,720	KS	L	Sep-2004	K3LR	95	94	67	256	41	10,496
CT	Q									KS	Q								
CO	H	Feb-2003	N2IC	154	151	84	389	52	20,228	KY	H	Sep-1998	K4LT	82	107	92	281	44	12,364
CO	L	Feb-2002	W0ETT	122	86	15	223	46	10,258	KY	L	Feb-2002	K4FXN	103	98	53	254	45	11,430
CO	Q	Sep-2005	N0SXX	30	72	8	110	34	3,740	KY	Q								
DE	H	Sep-1989	KN5H	98	102	72	272	46	12,512	LA	H	Feb-1995	W5WMM (K5GA)	105	115	86	306	48	14,688
DE	L	Feb-2002	N8NA	107	79	76	262	45	11,790	LA	L	Feb-2004	W5EKF	43	67	18	128	40	5,120
DE	Q	Sep-1999	N3DEL	6	1	0	7	5	35	LA	Q	Feb-2003	KC5R	11	51	49	111	35	3,885
FL	H	Feb-2003	N2NL	151	139	67	357	55	19,635	MA	H	Feb-2003	K5ZD	136	144	85	365	54	19,710
FL	L	Sep-2003	K0LUZ	118	132	0	250	47	11,750	MA	L	Feb-2003	K1HT	72</					

QTH	Pwr	Date	Call	20	40	80	QSO	Mul	Score	QTH	Pwr	Date	Call	20	40	80	QSO	Mul	Score	
MD	L	Sep-2002	K3MM	95	95	71	261	40	10,440	VE2	H	Sep-1988	VE2ZP	75	98	41	214	41	8,774	
MD	Q	Sep-2002	K3ESE	19	35	0	54	17	918	VE2	L	Feb-2003	VE2AWR	49	77	26	152	39	5,928	
ME	H	Sep-2004	N4CW	94	81	44	219	44	9,636	VE2	L									
ME	L	Feb-2003	NY1S	37	42	81	160	43	6,880	VE3	H	Feb-2000	VE3EJ	90	93	87	270	50	13,500	
ME	Q									VE3	L	Feb-2003	VE3NE	71	43	108	222	49	10,878	
MI	H	Feb-2003	N8EA	197	124	100	331	52	17,212	VE3	Q									
MI	L	Sep-2004	N8EA	59	111	82	252	44	11,088	VE4	H	Sep-2003	VE4WB00	136	130	0	266	45	11,970	
MI	Q	Sep-2004	WA8REI	32	33	12	77	27	2,079	VE4	L	Feb-2003	VE4XT	38	42	6	86	32	2,752	
MN	H	Feb-2003	K0SR	98	127	83	308	50	15,400	VE4	Q									
MN	L	Sep-2003	NA0N	112	125	51	288	47	13,536	VE5	H	Sep-2000	VE5DX	122	92	50	264	43	11,352	
MN	Q	Sep-2002	N0UR	62	44	5	111	32	3,552	VE5	L	Feb-2003	VE5SF	106	119	12	237	49	11,613	
MO	H	Sep-1996	K4VX (WX3N)	104	133	95	332	46	15,272	VE5	Q									
MO	L	Feb-2002	KA0GGI	74	83	45	202	41	8,282	VE6	H	Feb-2000	VE6EX	228	43		9,804			
MO	Q	Sep-2004	NJ4X	61	99	38	198	41	8,118	VE6	L	Sep-1999	VE6EX	117	64	14	195	46	8,970	
MS	H	Feb-2000	WQ5L	123	136	58	317	49	15,533	VE6	Q									
MS	L	Feb-2005	WQ5L	95	101	57	253	40	10,120	VE7	H	Feb-2000	VA7RR	151	128	37	316	48	15,168	
MS	Q	Feb-2002	WA2NYR	30	16	0	46	26	1,196	VE7	L	Sep-2001	VE7QO	87	5	21	113	37	4,181	
MT	H	Feb-1996	AB7BG	50	100	88	238	40	9,520	VE7	Q									
MT	L	Feb-1998	K7BG	79	105	89	273	43	11,739	VE8	H	Feb-2000	VY1JA	36	0	0	36	22	792	
MT	Q									VE8	L									
NC	H	Sep-2003	N4AF	98	129	115	342	49	16,758	VE8	Q									
NC	L	Feb-1995	K7GM	73	101	69	243	45	10,935	4U1	H	Feb-1985	4U1UN (W2TO)	3	52	15	70	23	1,610	
NC	Q	Feb-1998	W4WS (N4VHK)	13	23	13	49	24	1,176	4U1	L									
ND	H	Feb-2002	WB0O	124	106	88	318	47	14,946	4U1	L									
ND	L	Feb-1998	W0HSC (KB0O)	49	96	72	217	36	7,812											
ND	Q																			
NE	H	Feb-1991	KV0I	82	62	60	204	34	6,936	8P	H	Sep-2002	8P9JG (N5KO)	164	105	8	277	42	11,634	
NE	L	Sep-2005	VVW2Y	42	120	67	229	41	9,389	8P	L									
NE	Q	Feb-2003	W8TM	0	116	0	116	41	4,756	8P	Q									
NH	H	Feb-2003	K1DG	129	119	83	331	50	16,550	C6	H									
NH	L	Feb-2002	K1BX	131	76	62	269	47	12,643	C6	L	Feb-1999	C6AKP	15	4	2	21	14	294	
NH	Q	Feb-2003	AB1AV	2	0	0	2	2	4	C6	Q									
NJ	H	Feb-2003	N2NT	88	158	134	380	51	19,380	HH	H	Sep-1996	HH2AW	48	61	30	139	33	4,587	
NJ	L	Feb-1999	K2SQ	94	101	85	280	46	12,880	HH	L									
NJ	Q									HH	Q									
NM	H	Feb-2003	N6ZZ	133	153	65	351	52	18,252	HI	H	Feb-1991	HI8DMX	0	40	0	40	19	2,420	
NM	L	Feb-1999	N6ZZ	99	116	44	259	44	11,396	HI	L									
NM	Q	Feb-2002	W5YA	121	75	28	224	42	9,408	HI	Q									
NV	H	Feb-2000	K7BV	106	141	43	290	50	14,500	HP	H									
NV	L	Feb-2000	KU7Y	88	116	0	204	45	9,180	HP	L									
NV	Q	Feb-1999	KU7Y	59	69	20	148	40	5,920	HP	Q									
NY	H	Feb-2002	K2UA	113	123	85	321	50	16,050	HP	H	Feb-2000	HP1AC	50	14	0	64	30	1,920	
NY	L	Sep-2004	K2KQ	80	94	56	230	46	10,580	HP	L									
NY	Q									HP	Q									
OH	H	Feb-2003	K8MR	72	128	109	309	52	16,068	J7	H									
OH	L	Sep-2003	K8NZ	78	114	93	285	46	13,110	J7	L	Feb-2006	J79WI (W9WI)	27	53	18	98	28	2,744	
OH	Q	Sep-2004	N8VV	43	86	50	179	42	7,518	J7	Q									
OK	H	Sep-2003	K3LR	131	133	88	352	48	16,896	KP4	H									
OK	L	Sep-1998	K5KA	79	89	62	230	40	9,200	KP4	L	Feb-2004	NP4Z	49	150	54	253	48	12,144	
OK	Q	Sep-2004	K5KA	91	69	52	212	43	9,116	KP4	Q	Feb-2004	K1ZZ/KP4	1	18	3	22	14	308	
OR	H	Feb-2003	N6TR	172	142	79	393	52	20,436	TG	H	Sep-2001	TG9/N5KO	150	0	0	150	42	6,300	
OR	L	Feb-2003	K4XU	121	110	46	277	47	13,019	TG	L									
OR	Q									TG	Q									
PA	H	Sep-2004	K3NM (N2NC)	131	116	91	338	49	16,562	V4	H	Feb-1996	V40Z (AA7VB)	0	21	33	54	23	1,242	
PA	L	Sep-2003	W1NN	87	83	59	229	46	10,534	V4	L									
PA	Q									V4	Q									
RI	H	Feb-2002	K1G	122	95	93	310	47	14,570	VP2E	H	Feb-1996	VP2E/KJ4HN	2	66	0	68	30	2,040	
RI	L	Feb-2004	AJ1M	7	6	0	13	13	169	VP2E	L									
RI	Q									VP2E	Q									
SC	H	Sep-2003	W4OC	108	107	83	298	46	13,708	VP9	H	Feb-1985	W6OAT/VP9	43	93	66	202	31	6,262	
SC	L	Sep-2003	W4OC	87	92	116	295	50	14,750	VP9	L	Sep-2005	WA4PGM/VP9	77	59	17	153	36	5,508	
SC	Q									VP9	Q									
SD	H	Feb-2003	WD0T	115	124	108	347	47	16,309	XE	H	Sep-1990	XE2XA (WN4KKN)	134	127	44	305	47	14,335	
SD	L	Sep-2002	K7RE	51	37	2	90	24	2,160	XE	L	Sep-2003	XF1K (N6AN)	113	85	39	237	47	11,139	
SD	Q									XE	Q									
TN	H	Sep-2003	W4PA	134	163	96	393	51	20,043	ZF	H	Sep-1992	ZF2KI (K1KI)	154	90	7	251	49	12,299	
TN	L	Sep-2003	K4AMC	77	127	66	270	47	12,690	ZF	L									
TN	Q									ZF	Q									
TX	H	Feb-2000	N5TJ	148	137	96	381	52	19,812	9A	H	Sep-2000	9A6XX	29	0	0	29	19	551	
TX	L	Sep-1998	N5TJ	141	111	80	332	46	15,272	CT	H	Sep-1998	CT1BOH	122	76	27	225	40	9,000	
TX	Q	Feb-2000	KG5U	122	60	22	204	47	9,588	DL	H	Feb-2006	DJ1YFK	0	30	12	42	21	882	
UT	H	Sep-1991	K6XO	128	93	42	263	44	11,572	EA8	H	Feb-1994	EA1AK/EA8	15	21	0	36	21	756	
UT	L	Sep-1995	AH3C	59	91	65	215	38	8,170	F	H	Sep-1990	F/N6TR	100	78	18	196	38	7,448	
UT	Q	Feb-2003	NC7J	101	96	38	235	45	10,575	G	H	Feb-2002	G4BUO	45	84	31	160	40	6,400	
VA	H	Sep-1989	KT3Y	95	122	79	296	48	14,208	HC8	H	Feb-2000	HC8N (N5KO)	142	121	8	271	52	14,092	