

Results, February 2000

NCJ CW Sprint

Mark Obermann, AG9A
HAMAG9A@aol.com

One look at these results is all you need to confirm that February's CW Sprint was all you thought it was—and *more!* Twenty-nine State, Province and North American records fell—along with *all* of the other overall records.

After losing "top dog" title last September to K1TO, N5TJ brushed his key off, turned on the amplifier and picked up where he left off a few years ago. It took just this one try to reclaim the CW Sprint title and record. Only one QSO and one multiplier separated N21C's score from Jeff's.

N6RT, piloting W6EEN, used his eleventh place finish in September as motivation to achieve an impressive third place finish. This is the first time Doug has broken into the Top Ten.

N6TR operated W7AT and picked up fourth place. Incredibly, the top four scorers broke the still warm CW Sprint record set by K1TO last September. Midwest operators saw fellow ops N9RV and W4PA climb into the middle spots while K5ZD ended up being the sole East Coast station to make the Top Ten.

K4FXN nudged past W4OC, AD5Q and K1HT to take first place among low power entrants. KG5U ran QRP power and nearly broke into the low power Top Ten with his impressive effort. Running QRP in this contest is not for the weak of heart.

From overseas, N5KO at HC8N sounded and performed like a local. His score is truly amazing considering his QTH was at the Equator—his is the largest score ever submitted from outside North America. ZS and UA9 were represented for the first time and HP1AC created some excitement with the first entry from Panama. Quite a few North American countries were on the air for the contest.

Looking at the band numbers reveals quite a lot about how the contest played in the different parts of the country.

Stations in the West and Southwest generated very high 20-meter QSO totals with K6LL logging 178 of them on 20 meters alone! This number is indicative of the very high activity and the long band opening they experienced. The top stations managed similarly high QSO totals on 40 meters. To top it off, most stations hit 80 meters at about 0300Z with many of them putting 80 to 100 more QSOs into the log during this last hour alone.

The Midwest and East Coast band distributions were more evenly spread

Sprint Tip

It's important that exchanges are confirmed by both stations. This is all too easy to forget when you are trying to dump your call in at the end of what you may think is a completed QSO. Please remember to give the other stations a chance to acknowledge that they have all the information they need before you jump in.

out—they were not able to match the huge 20-meter totals of those to the south and west. Operators on the East Coast went as far as saying conditions were relatively poor for them.

In an effort to maximize their scores, an interesting strategy adopted by many stations in the Midwest has been to start the contest on 40 rather than 20 meters. Why do this? Normally, by the time they typically switched to 40 meters in the past, the band had become too long for nearby stations to work each other.

Getting on 40 earlier allowed close-in stations to work each other while the band was still relatively short. After about fifteen minutes, the switch was made to 20 meters and the rest of the band changes are more normal.

Ironically, the stations starting the contest on 20 meters may also benefit from this strategy as the band is a bit less crowded at the beginning. This theoretically should translate into more QSOs. When the Midwest crowd comes down to 20 from 40 meters, they are now fresh game.

The net result is that everyone might be enjoying some benefit. In any case, the strategy does add yet another dimension to an already interesting contest.

Many records were broken, primarily on the strength of the large number of multipliers available. With the upsurge in activity, QSO totals increased as well.

The total number of entries increased markedly, breaking the previous record by nearly 20 logs.

The oldest state records to topple were

Sprint-Related Web Sites

For Sprint Rules and contest dates, visit the *NCJ* Web site at <http://www.ncjweb.com>. The list of submitted logs can also be found there. Many other *NCJ* and contesting related topics are also covered.

Seasoned veterans, as well as those interested in trying the Sprint for the first time, should check out N6TR's Sprint Survival Web Page, <http://jzap.com/n6tr/sprint.html>. Here you'll find an explanation of the exchanges along with some examples. It's loaded with good information, advice and contest strategies.

Guidelines for Log Submissions

Please carefully read the rules for submission that are posted on the *NCJ* Web site, <http://www.ncjweb.com>.

Please submit both a log and summary sheet with your entry. Any format created by the popular logging programs is acceptable. E-mail your logs to cwsprint@ncjweb.com or send in your disk with the required information. An acknowledgement message will be sent to all e-mail submitters. Those sending disks can provide an SASE or stamped QSL card for confirmation. Feedback on log accuracy is available via e-mail (send your request to cwsprint@ncjweb.com) or mail us an SASE once the results have been published.

Remember the following when submitting your log:

- All log-related issues *must* be stated in the summary sheet. Comments included within the log will *not* be read.
- Clearly indicate your power level in the summary sheet. If you operated as a guest op from another station, please include this information in the summary.
- An electronic log is the preferred method of entry. If you logged by paper, please convert the log into an electronic format before sending it in. All logs are fully checked.
- All e-mail entries should be sent to cwsprint@ncjweb.com only. (Check the Sprint Rules for any changes to these guidelines.)

February 2000 CW Sprint—A Tribute to Bip

On February 2nd, we lost a true gentleman and a contesting friend. This, of course, was Wilbur Bachman, W6BIP—affectionately known as “Bip” throughout the contest community. W6BIP made it into thousands of logs over the years. Out of respect and admiration, the name Bip resounded everywhere on the evening of the February 2000 CW Sprint.

Here are some personal tributes to the man we called Bip.

I had the opportunity to meet Bip way back in the '70s, when a business trip stranded me in San Francisco in November. Since I was a card-carrying NCCC member at the time (long story), I showed up at a meeting and asked if anyone needed an operator for the Phone Sweepstakes. Bip stepped right up and offered me a seat at his multi-op, which I accepted. Some WA6 guy was the other op.

I rolled out a 130-something first hour from that shack in the kitchen—Bip was very impressed. He couldn't stop talking about it. Anyway, we hit it off pretty well, and I tried to call him whenever I was in the San Francisco area.

Most of you worked me during one or more of the February Sprints when I was in San Francisco on business. A quick call to Bip got me a seat for the afternoon.

He had a modest station in a very modest house on a city lot in no-kidding downtown San Francisco. His lot couldn't have been more than 60 feet wide, and maybe only 50. The wire over the freeway was a thing to behold, as was the 2-element 40-meter beam with the last 10 feet of each element made of wire and hanging down so as to not cross his neighbor's lot when he turned it. But, man, what a signal from that city hilltop!

I recall putting quite a scare into the local boys in the Sprints from there, keeping right up with them until the change to 80, where Bip's station just kind of ran out of gas. (Or maybe it was me!)

He was a tinkerer right out of Central Casting. The CW-sending call sign badge, the homemade memory keyer with automatic serial numbers (yep Tree, '70s-vintage), and his articles and talks on RFI/TVI showed that even way into retirement, he had the mind and spark of the engineer.

Bip lived a rich and full life... radio and his family were the centerpieces, and he was clearly passionate about both.

When 'AR introduced him at the Contest Dinner in Dayton a couple of years ago, he got a standing ovation... everyone in the room had worked him, and I daresay he had been a multiplier for all of them in Sweepstakes at one time or another.

When I get old, being like Bip would not be too bad a thing...—*Doug, K1DG*

In an era when hams were viewed by many as nerds and a bit weird, Bip was a “ham's ham.” Licensed in 1928 as a teenager in San Francisco, he would talk ham radio to anyone who would listen.

For a number of years he operated from a small rented house on a 20-acre hilltop owned by the City of San Francisco, where he had erected six V-beams, each “a city block long.” Needless to say, he was king of the hill and he loved to tell the stories.

Marriage, a family and the city development of the property eventually forced him to move to a smaller (but still hilltop) location in San Francisco.

Bip kept his station in the kitchen, the theory being it kept him close to his family. As his oldest son Bob, K6DJC, memorialized “there was high voltage everywhere; it's amazing we didn't kill ourselves.” This included a pair of 304TL's, as I remember, with an open tap HV transformer that was adjusted by moving an alligator clip and tuned for proper tube color. Years later Bip finally resorted to buying a Henry.

Bip was active in every Sweepstakes and ARRL DX Contest since their inception until just the last couple of years. For years W6BIP was your only contact in the SF Section.

He got many a ham started through the San Francisco Radio Club and the South Peninsula Amateur Radio Klub (*SPARK*), including his XYL of 56 years, Elsie, WA6GQC; sons Bob, K6DJC, and Larry, KA6EZX. Daughters Gloria and Helen and youngest son Don somehow managed to “avoid the persuasion.”

Bip was also a pioneer in eliminating interference to electronic devices. Someplace in our shack, almost all of us have a ferrite rod that we got from him. His neighbor of 40-some years proudly states that he has 12 such rods in his house all personally installed by Bip.—*Ken, K6DB*

I operated from W6BIP's during the early '90s for CW Sweepstakes and the CQP. In the November 1993 CW Sweepstakes, Bip and I did a multi-op. Bip was “only” 82 back then. Those of you who have been to Bip's station know that he had a CW memory keyer that predated the Accu-Keyer/Memory. The thing worked, and even generated incremental serial numbers. But it was only programmed to go up to 999 QSOs—in 20 years of use he had never exceeded that limit. Around 4 PM that Sunday, I hit QSO number 1000 and had to use the regular electronic keyer to fill in the numbers for the rest of the contest! Bip was absolutely overjoyed that we had done so well. We ended up with 1046 QSOs and a Sweep, which is pretty respectable for a small tribander, a bare bones 2-element 40-meter Yagi, and 700 W.

Bip was unique—they don't make 'em like that anymore. I will miss him.—*Scott, W6CT*

Though I don't have my old logs, I expect W6BIP was one of my first contest QSO's with California, when I was K2EIU in New York back in the mid '50s.

His signal from the hill overlooking San Francisco Bay was always a band-opener, a beacon to start activity on the higher bands, as a contest hit Sunday morning. I worked him during my college days at W2SZ in the late '50s, and K3EIU/5 during my USAF days, in the '60s, and of course since 1972 or so when I first met him in person at an NCDXC meeting.

In the CD parties and Sweepstakes, I would seldom miss the SF multiplier, thanks to Bip.—*Ken, N6RO*

Bip's first year as a ham was 1928: Holding to the truest spirit of the hobby, Bip died at age 88, with 73 years as a ham.

73/88 to you, Bip.—*Bill, N6ZFO*

in AR, WV and ID, which had stood since 1982. A big thanks goes to those coordinating teams, new Sprint operators and the continuing grass roots postcard campaign to invite more casual contesters into the Sprint.

All of the increased activity helped the SCCC #1 and Dead Lizard teams to smash the old team scoring record on the way to first and second place re-

spectively. NCCC #1 took third and Mad River put together a nice fourth place finish. Twenty-four teams pre-registered for the February event.

It has been gratifying to see the quality of the CW Sprint steadily improve. The increased participation, greater team activity and higher scores are a direct result of this.

The standards of contesting excel-

lence, which the founding fathers of the Sprints foresaw, are becoming reality.

Despite the increasing number of new participants and the continuing advancement of the log checking process, logs have gotten significantly cleaner. The proof is in the extensive Golden Log listing found in these results.

While many of us dream of making it into the Top Ten box, a position in the

Golden Log box shares much of the esteem of the Top Ten. Even newcomers to the contest can strive to submit an error-free log and attain instant recognition and respect from the other participants.

A special thanks to N6TR for his continuing support of the Sprint log checking process with his extraordinary code-smithing.

We are knocking on the door of 400 QSOs. Who will be the first to do it? See you September 10th (UTC).

Soapbox

The contest was a lot of fun! (fast-paced, but fun).—AA6W. Personal best! Thought I would make 300 for the first time, but faded at the end. Nice to hear Bip from the East Coast also.—AE6Y. Great contest despite marginal conditions. May W6BIP rest in peace.—AF5Z. My best CW Sprint yet! Tried to spend more time on 20 and 40 and it cost me in mults. Mults heard but not worked: SC, VE6, KP4—never heard RI, VT, IA, KS, MO, VE4. Worked KL9, HP, HC8, ZF, ZS. Tnx to all for the Qs.—K0OU. Not a bad Sprint, but I seemed to have the usual problems: too many unanswered CQs, got beaten out too often, and some mults were elusive. I started on 40 (first 16 minutes), but it didn't seem to help much.—K1HT. Actually, this was my 2nd "Sprint" of the day. Departed Memphis at 2 PM, arrived at the station 5:44 PM—ready to go at 5:55. I played on 40 meters during my travels and worked many Sprinters who were warming up. A new personal best for me.—K1KY. It was great to hear so many stations honoring Bip, W6BIP. He was a true gentleman and a legend in contesting. CW Sweepstakes will never be the same.—K2UA. Thanks to Jim, WA3FET, for the use of the station. Who will be the first to break 400?—KB3AFT. West Virginia contesters combined our efforts into the "MOUNTAIN EARS" team to make WV mult available and promote the Sprint. Couldn't figure out why nobody would call me after answering a CQ. Not until about an hour into it, I realized I needed to END the QSO by sending my call, instead of sending my call earlier in the exchange!—K3JT. Still have not gotten the hang of this contest. Had fun though.—K3WU.

Missed my own section (KY). The Sprint is a tough contest when running low power.—K4FXN. Nice to work Bip almost everywhere; a great tribute. Many really big scores this time out—congratulations to all for getting the activity levels up. I can almost taste 300 QSOs in this maddening event. CU next time!—K4RO. Strange start on 20 meters and another rough band change from 20 to 40. 80 was great, and quiet for the first time in a long time.—K5GN. Many thanks to N5TW for use of his great station. This was my second entry—I made 50% more QSOs and nearly doubled my score from the fall!—K5PI.

A personal best in the midst of better personal bests. My thanks to Phil, K6RC,

Top 10

	Scores	Band	Changes	QSOS Lost	00Z	01Z	02Z	03Z
N5TJ	19812		26	1	110	95	85	92
N2IC	19380		30	0	102	90	90	99
W6EEN	19227		52	0	99	93	91	94
W7AT	18870		4	3	97	98	88	92
K5GN	18668		38	6	98	77	99	91
N9RV	18550		17	5	105	75	79	97
W4PA	18356	101		1	92	93	83	86
N6MJ	18309		4	1	104	91	80	86
K6LL	18200		2	0	109	84	89	82
K5ZD	17100		85	2	96	79	89	80

Top 10 Scores

N5TJ	19812
N2IC	19380
W6EEN	19227
W7AT	18870
K5GN	18668
N9RV	18550
W4PA	18356
N6MJ	18309
K6LL	18200
K5ZD	17100

Top 10 QSOs

N5TJ	381
N2IC	380
W6EEN	377
W7AT	370
K6LL	364
K5GN	359
N6MJ	359
W4PA	353
N9RV	350
N5RZ	347

Top 10 Mults

K9AA	55
N9RV	53
W9RE	53
N5TJ	52
K5GN	52
W4PA	52
N6ZZ	52
K9XD	52
HC8N	52
Many	51

Golden Logs (>100 QSOs)

N2IC	380
W6EEN	377
K6LL	364
N2RM	324
K6NA	312
K1ZZ	309
NT1N	306
NA4K	277
K4NO	273
N8EA	273
K1HT	249
K8JM	234
KL9A	202
N6NF	192
K4MX	190

Top 10 Low Power

K4FXN	11232
W4OC	11044
AD5Q	11008
K1HT	10956
K6ZH	10516
N8NA	10388
K9MMS	10320
N8AA	10199
W8MJ	10045
N6PN	9933

Top 10 QRP

KG5U	9588
K6III	6579

Top 10 Band Changes

N6ZZ	104
W4PA	101
N2NT	100
K9XD	94
K5ZD	85
W5WMU	76
K9AA	67
W6EEN	52
KW8N	40
K5GN	38

Team Scores

SCCC #1	DLCSCW	NCCC #1	MRRR
W6EEN	19227	N6TV	16464
N6MJ	18309	VA7RR	15168
K6LL	18200	N6RO	14536
N6ZZ	16692	K7BV	14500
N6VR	15650	K6XX	14444
W6UE	15190	AE6Y	14308
N6CW	15168	K6GV	12240
K6NA	14664	N6PN	9933
AC6T	12848	AJ6V	9768
K6LA	12103	N6IJ	8624
Total	158051	Total	129985

5. YCCC #1

(K5ZD, K1KI, K1ZZ, W1WEF, K1DG, K1HT, N2MG, K1RO, AA1SU, K1NU)	100744
6. NCC (N9RV, K3LR, K3CR, VE3EJ, K2UA, N8AA, NI3S)	90141
7. TCGA (W4PA, K4RO, K4WX, K1KY, N4CW, K3WU, WO4O, K0EJ, N4KN)	87454
8. NTCC (N5TJ, N5RZ, K5OT, N8SM, K5KA, N5NJ)	85479
9. FRCD (N2NT, K3WW, N2RM, AA3B, W2GD, W2LE)	78261
10. RDO (W7AT, K7NT, W7WA, K17Y, KL9A, W7YAQ)	77740
11. TDXS (K5GN, K5NZ, AD5Q, N7FO, KG5U, KU7Y, WA8GHZ)	75547
12. SECC (K4BAI, K4NO, AA4GA, W4OC, W0RTT, W4AU, K4QPL, K8GT)	74494
13. SMC #1 (K0OU, K9BGL, K9MMS, WX9U, N9SD, WT9U, W0UY)	65376
14. SCCC #2 (K6ZZ, K6ZH, W7RF, K6AM, N6BM, W6TK)	56273
15. NCCC #2 (W6OAT, K7NV, NI6T, K6CTA, KF6ZWZ, AA6W)	49526
16. ME (WA8WV, K3JT, K8KFJ, KG8GW)	33883
17. MWA (N0AT, NA0N, K0AD, AC0W)	31940
18. AP (K5PI, AF5Z, KE5C)	24661
19. FCG (N4BP)	12384
20. SMC #2 (W19WI, K9KM)	12348
21. NCCC #3 (K6III, N6ZFO)	9909
22. AB (VE6EX)	9804
23. YCCC #2 (K1OA, WO1N, K1TS)	3609
24. TCGA #2 (WK2G, N9GG)	3519

for use of his newly refurbished antenna system.—*K6GV*. On a personal best pace, I had to quit at 0300Z to go see Crosby, Stills, Nash & Young at the Staples Center. It was worth it.—*K6LA*. Missed part of the contest due to visiting my wife in the hospital, and fielding telephone calls from people inquiring about her status (she is recovering).—*K6NA*. My personal best for CW; in fact I made only 3 less than last weekend's 251 Qs on SSB. BUT where were the multipliers? Geez, I didn't work Maryland, for heaven's sake! First time out with computer fully integrated with the radio—MUCH better!—*K6ZH*. First time over 300, like a lot of folks. Had several periods of brain fade in the first 90 minutes, so I know if I can overcome that, I can do better. It seems like if the contest's pitch becomes too fevered, I lose rate, and I do best when things are a little off from the maximum frantic. Maybe that is my frantic... (I'm sure it would help if I got my station fixed and got on the air occasionally.) Seemed to hit my stride when I went to 40 at 0144Z, and didn't really want to go to 80. Went to 80 at 0309Z, then back to 40 at 0319Z, then back to 80 for good at 0330Z. Two radios may have helped during this period. The BARC club station was working very well and I felt loud the whole time. Thanks, Tree! Gee, what a neat club!—*K7NT*. Loud is good in the Sprints but my station is rarely loud. However, I'd rather be in the Sprints than lying on a beach in Fiji with a semi-clad native girl. Well, almost!!! Many thanks once again for the sponsorship. The ops were super and the activity was great.—*K8KFJ*. Blew up the amp 42 minutes into the contest. I was on a roll... just a few behind the winners up to that point. First time over 300 QSOs on CW. Pleased with the mult total, although the Q total probably would have been better if the amp didn't blow up. Thanks to *WE9V* and *Shirm* for letting me invade their home again! Chad's 2 stack of those crappy *KT34XAs* sure work well for not having any F to B :-).—*K9AA*. Awesome!!—*K9NW*. First Sprint. Never before have I seen CW ops run off RTTY ops!—*KE5C*. Thanks to *Ken*, *K7ZUM*, for the use of the station. Much better than my own station. This is probably a new personal high score for me. Once again happy to be part of the RDO team.—*K17Y*. Personal best, but still can't wait to do this from the states! (AK is painful)—*KL9A*. This is my last sprint from this QTH and I thought I'd run a full 100 W instead of QRP. What a difference! People could hear me for a change. Now I have to find something else for an excuse! No 80-meter antenna—and that hurt. Thanks to all for making this last one a very fun one for me!—*KU7Y*. Way too many dupes. I am tempted to quit logging on paper for CW Sprint.—*KW8N*. Wish the Sprint method was used in more contests so that one could practice more often.—*N5NJ*. Activity was outstanding. I still have to find an antenna that works on 80 meters.—*N5RZ*. First attempt at CW Sprint. Could not get into a decent rhythm even after

2½ hours.—*N5UM*. First time over 300 Qs! Fantastic conditions on all bands. Heard NE, VE1 and VE6 but my timing was off.—*N6VR*. Missed the first 10 minutes of the contest due to a computer swap.—*N6TV*. *N6ZFO* may be the only entrant to spend the 2nd half of the Sprint taking tango lessons with *XYL*. It was an honor to use the handle *Bip* for this, my first Sprint.—*N6ZFO*. Spent too much time playing the second radio—104 band changes. Probably not the best strategy for the Sprint.—*N6ZZ*. I had to dig the 20-meter beam out of the ice and snow in the front lawn to hoist it up into the trees, then thaw out my fingers in time to start.—*N8NA*. 25 W into mobile antennas—the car was parked outside.—*N9GG*. Terrific fun!—*N16T*. This was my first NA Sprint. I did fairly good for not having done this contest before. I finally started getting the hang of it and worked a ton of people, right at the end (wrong time to do that). I am sure that next Sprint I will be knowing what to do at the beginning of the contest, and my score/Qs will be much higher!! Age 15 years old.—*NW7DX*. I've got to spend more time with the simulator before the next CW Sprint. Is the average CW speed increasing or are my reflexes getting slower? Who would have thought so many parents would name their kids *Bip*?—*W0UY*. Either conditions were awful or my antennas were pointing at Europe!—*W1WEF*. Flu bug hit me a few hours before the contest and maybe I just should have gone to bed... but conditions were too good and I stuck it out with all too frequent trips across the shack to the "facilities"; I'm glad that they were close... Felt pretty comfortable when I "got in the groove." Congratulations to the guys with the big numbers; this is one contest that really separates the men from the boys. Maybe next time I'll have a crack at beating 300 Qs.—*W4AU*. I was bummed that I missed the Top Ten by one spot in the last Sprint. Hopefully I made up for it this time!—*N6RT* (at *W6EEN*). Long live CW but this is always a challenge for me. Operated about 3 hours. I still haven't found the groove on CW Sprint, but I will see you next time.—*W6TK*. Started reconfiguring the usual two station HF setups at *W6UE* for *SO2R* about 9:30 Saturday morning. Around noon I discovered that the 80-meter station was QRming the 40-meter station. Thinking it was the close proximity of the 80-meter dipole to the 2-element 40, I tried tuning up our 75-meter inverted V on 80 CW (it's on a different tower). Tried on old *Dentron* tuner, but it started flashing over at about 600 W, so I drove home and grabbed my trusty old *Ten-Tec 229*. By 2 PM I had everything hooked up, but I was still getting *QRM* on 40 from the 80-meter station. All the coaxial stubs and *ICE* bandpass filters that I tried didn't seem to help either. My second harmonic sounded real dirty, so I began to suspect some kind of rectification. Finally I got smart and unplugged the remote coax switch for the 80 meter antenna. This killed the 40-meter

QRM, but left me with only the 75-meter inverted-V. Just after 2 PM I headed up to the roof with bypass caps and soldering iron in hand. By 3 PM I had all the control lines to the *ICE* remote switch bypassed. Arrgh, still no better. Wait, if I grab the rack handle on the control box, the *QRM* goes down. One hour to go before the contest and I am taking apart the control box. It's 3:35 PM as I solder in the last bypass capacitor and button up the control box. Double aargh, still no better! Okay, how about a short ground strap to the station monitor (it should be at RF ground by virtue of the coax cables). Bingo, *QRM* is gone with 15 minutes to spare. Just enough time to go to the bathroom and warm up a little. Gee I'm tired! Get *N5NU* on the hook at 23:59:30, okay AS AS AS 00:00 *N5NU W6UE #1 Mike CA*. Okay here we go for another 4 hours of arm flailing, adrenal pumping, chaotic action. 03:59:55 *N2NT 313 Mike CA W6UE*. It's over, time to come out of the hypnotic trance—hey, I finally broke 300 QSOs—cool! Now to just figure out how the winners are making 15 more QSOs an hour than me (I wonder if they remember the contest?).—*W4EF* (at *W6UE*). Golly, this is a frustrating contest!!—*W7YAQ*. First time ever over 100 QSOs in the CW Sprint.—*WA7BNM*. Thanks to *Jim*, *KF0FN*, for allowing me to operate. This station is a work in progress with much progress to go yet. It was a lot of fun, hope to see you in the next one. God Bless all.—*WD0T*. Wow, tCWsend speed is what, 40 WPM?—*WO1N*. Knew and announced the possibility that this may be a part-time effort. Sorry I couldn't play longer and contribute more. Really missed all the fun that I'm sure was had by others on 80 meters. Think I would've had well over 200 Qs with full playtime.—*WO4O*. Made two personal goals (barely—assuming my logs don't get trashed). Over 200 Qs and over 10k points! It's always good fun!—*WO7Y*.

Team Key

AB	Alberta Clippers
AP	Austin Powers
DLCSCW	Dead Lizards Can't Send CW
FCG	Florida Contest Group
FRCD	FRC Domestic
ME	Mountain Ears
MRRC	Mad River Radio Club
MWA	Minnesota Wireless Association
NCC	North Coast Contesters
NCCC #1	No. California Contest Club #1
NCCC #2	No. California Contest Club #2
NCCC #3	No. California Contest Club #3
NTCC	North Texas Contest Club
RDO	Rush Drake Orchestra
SCCC #1	So. California Contest Club #1
SCCC #2	So. California Contest Club #2
SECC	South East Contest Club
SMC #1	Society of Midwest Contesters #1
SMC #2	Society of Midwest Contesters #2
TCGA	Tenn. Contest Group Amigos
TCGA #2	Tenn. Contest Group Amigos II
TDXS	Texas DX Society
YCCC #1	Yankee Clipper Contest Club #1
YCCC #2	Yankee Clipper Contest Club #2

Call	Name	QTH	20	40	80	QSO	Mults	Score	Team	Call	Name	QTH	20	40	80	QSO	Mults	Score	Team
N9RV	Pat	IN	119	135	96	350	53	18550	NCC	NA0N	*Pat	MN	39	92	73	204	43	8772	MWA
K9XD	Dave	IL	105	135	85	325	52	16900	DLCSCW	K0AD	AI	MN	67	96	55	218	40	8720	MWA
(AG9A)										W0ETT	*Ken	CO	102	63	24	189	46	8694	
K9AA	Paul	WI	94	139	69	302	55	16610	DLCSCW	W0RTT	*Pete	CO	96	78	36	210	41	8610	SECC
(K9PG)										W0UY	*Tom	KS	65	58	32	155	42	6510	SMC#1
K9NW	Mike	IN	91	117	102	310	50	15500	MRRC	AC0W	*Bill	MN	12	31	5	48	28	1344	MWA
W9RE	Mike	IN	98	95	96	289	53	15317	DLCSCW	VA7RR	Gary	VE7	151	128	37	316	48	15168	NCCC#1
KA9FOX	Scott	WI	62	132	77	271	50	13550	DLCSCW	VE3EJ	John	VE3	90	93	87	270	50	13500	NCC
K9BGL	Karl	IL	101	103	61	265	45	11925	SMC#1	VE6EX	Dan	VE6	149	63	16	228	43	9804	AB
K9ZO	Ralph	IL	82	103	65	250	46	11500	DLCSCW	VE5SF	*Sam	VE5	89	104	10	203	41	8323	
K9MMS	*Gary	IL	93	73	49	215	48	10320	SMC#1	VA3UA	*Alex	VE3	19	19	12	50	22	1100	
WX9U	Phil	IL	33	104	60	197	46	9062	SMC#1	VY1JA	J0	VE8	36	0	0	36	22	792	
KG9X	Fred	IL	59	82	59	200	44	8800		VE7IN	Earl	VE7	4	13	0	17	14	238	
N9SD	*Scott	WI	42	115	50	207	40	8280	SMC#1	HP1AC	*Cam	HP	50	14	0	64	30	1920	
WI9WI	Smoky	WI	58	69	55	182	43	7826	SMC#2	HC8N	Trey	HC8	142	121	4	271	52	14092	
W79U	*Jim	IN	50	42	69	161	44	7084	SMC#1	(N5KO)									
K9KM	*Howie	IL	28	64	27	119	38	4522	SMC#2	ZS1ESC	Dick	ZS	51	0	0	51	18	918	
N2IC	Steve	CO	159	132	89	380	51	19380	DLCSCW	(N6AA)									
WD0T	Todd	SD	110	134	72	316	48	15168	DLCSCW	RU0SN	Sam	UA9	15	0	0	15	13	195	
K0RF	Chuck	CO	120	101	87	308	46	14168	DLCSCW										
WB0O	Bill	ND	111	107	79	297	47	13959	DLCSCW										
N0AT	Ron	MN	69	125	79	273	48	13104	MWA										
K0OU	Steve	MO	85	138	48	271	45	12195	SMC#1										

*Denotes 150 W or less
**Denotes 5 W or less

NCJ CW Sprint Records—Through February 2000

QTH	Date	Call	QSO	Mults	Score	QTH	Date	Call	QSO	Mults	Score
CO	2/00	N2IC	380	51	19380	WV	2/00	WA8WV	247	47	11609
IA	2/98	N0NI (AG9A op)	321	46	14766	IL	2/00	K9XD (AG9A op)	325	52	16900
KS	9/82	K0VBU	231	42	9702	IN	2/00	N9RV	350	53	18550
MN	2/00	N0AT	273	48	13104	WI	2/00	K9AA (K9PG)	302	55	16610
MO	9/96	K4VX/0 (WX3N op)	332	46	15272	VE1	2/88	VO1QU	143	33	4719
NE	2/91	KV0I	204	34	6936	VE2	9/88	VE2ZP	214	41	8774
ND	2/00	WB0O	297	47	13959	VE3	2/00	VE3EJ	270	50	13500
SD	2/00	WD0T	316	48	15168	VE4	9/93	VE4VV	237	40	9480
CT	2/99	K1KI	362	49	17738	VE5	2/99	VE5MX	216	43	9288
MA	2/00	K5ZD	342	50	17100	VE6	2/00	VE6EX	228	43	9804
ME	9/88	K1KI	218	41	8938	VE7	2/00	VA7RR	316	48	15168
NH	2/00	K1DG	294	47	13818	VY1	2/00	VY1JA	36	22	792
RI	2/90	K1IU	236	44	10384	C6	2/99	C6AKP	21	14	294
VT	9/99	W2GD	258	46	11868	HH	9/96	HH2AW	139	33	4587
NJ	2/00	N2NT	337	50	16850	H18	2/91	H18DMX	40	19	2430
NY	9/80	N2NT	319	42	13398	HP	2/00	HP1AC	64	30	1920
DE	9/89	KN5H/3	272	46	12512	VP2E	2/96	VP2E/KI4HN	68	30	2040
MD	9/89	W3LPL	310	47	14570	VP9	2/85	W6OAT/VP9	202	31	6262
PA	2/00	K3WW	318	50	15900	V4	2/96	V40Z (AA7VB)	54	23	1242
AL	2/00	K4NO	273	47	12831	XE	9/90	XE2XA (WN4KKN op)	305	47	14335
FL	9/99	K1TO	354	53	18762	ZF	9/92	ZF2KI (K1KI op)	251	49	12299
GA	9/99	K4AAA (W4AN)	353	51	18003	4U1	2/85	4U1UN (W2TO op)	70	23	1610
KY	9/98	K4LT	281	44	12364	8P	2/96	8P9EN	10	8	80
NC	2/99	N4AF	310	46	14260	CT	9/98	CT1BOH	225	40	9000
SC	9/99	W4OC	255	46	11730	EA8	2/94	EA1AK/EA8	36	21	756
TN	2/00	W4PA	353	52	18356	F	9/90	F/N6TR	196	38	7448
VA	9/89	KT3Y/4	296	48	14208	G	2/98	G4BUO	101	29	2929
AR	2/00	K5GO	278	50	13900	HC8	2/00	HC8N (N5KO)	271	52	14092
LA	2/95	W5WMU (K5GA op)	306	48	14688	I	9/98	IK0HBN	100	35	3500
MS	2/00	WQ5L	317	49	15533	JA	2/91	7J1AAI	13	9	117
NM	9/99	N6ZZ	331	51	16881	KH6	9/81	KH6NO	121	30	3630
OK	9/89	KM5H	289	49	14161	LY	9/99	LY2BTA	59	240	1416
TX	2/00	N5TJ	381	52	19812	OH	9/98	OH1NOA	56	22	1232
CA	2/00	W6EEN (N6RT op)	377	51	19227	PY	9/80	PY8ZPJ	29	14	406
AK	2/00	KL9A	202	47	9494	VK	9/94	VK5GN (N6AA)	48	22	1056
AZ	2/00	K6LL	364	50	18200	UA9	2/00	RU0SN	15	13	195
ID	2/00	W7ZRC	274	45	12330	ZD8	9/90	ZD8Z (N6TJ)	228	43	9804
MT	2/98	K7BG	273	43	11739	ZS	2/00	ZS1ESC (N6AA)	51	18	918
NV	2/00	K7BV	290	50	14500						
OR	2/00	W7AT (N6TR op)	370	51	18870						
UT	9/91	K6XO/7	263	44	11572						
WA	2/92	K7SS	329	42	13818						
WY	9/99	K7KU (N2IC op)	312	48	14976						
MI	2/00	N8EA	273	48	13104						
OH	9/91	K3UA/8	322	45	14490						

Highest score: 2/00 N5TJ 19812
Highest multiplier: 2/00 K9AA (K9PG) 55
Highest QSO total: 2/00 N5TJ 381
Logs received: 2/00 182
Number logs >= 300: 2/00 38
Number Golden Logs: 2/00 15
Highest team score: 2/00 SCCC #1 158051