

Results, February 1999

NCJ CW Sprint

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K5GN had it right when he said the Top 5 was going to be close. This time, Tom, K1KI, beat all comers with a superb one-radio effort. N6TR, shed his alter ego "Bert" and used his own call sign enroute to a second place finish. His 374 QSO total fell just one short of the QSO record. K5GN landed in third place with K4AAA, N2IC and K5ZD all making the 350 QSO club. Is a 400 QSO Sprint a possibility someday? It's hard to say, but it is likely one of the gentlemen above could be the one to do it. Nice Black Hole scores were turned in by W4PA and K9XD (W9QA). W4PA and AD6DO achieved Top Ten finishes for the first time. As can be seen from a look at the Top Ten, there is a very even distribution among the top scores across the country — from W1 to W6, W5 to W9. The propagation gods decided to give everyone a fair chance at making big numbers this time.

What did Top Tenners K1KI, N6TR and AD6DO have in common? While many of us were busy alternating between bands in an effort to get a better score, these guys concentrated on one band at a time. They each had two band changes. AD6DO even managed to tie the multiplier record of 51 without trolling an "off" band. One of the analysis boxes shows how lock step K1KI and N6TR were in their band changes. It is interesting to note that both of them also broke the magic 100 QSO mark on all three bands.

In the low power battle, K2SQ edged out K9AA for the top spot. Competition among low power participants is getting tougher. It took a minimum of over 10K points to place among the Low Power Top Ten. The LP scores came in fairly evenly across the country.

Overall, an amazing number of records were shattered this past February. Twelve old records were broken, some dating as far back as 1982. New records were set in CA, CO, CT, GA, IL, IN, MA, NJ, NH, NC, SK and TN. C6 has been added to the North American record list and HC8 to the DX record list.

A total number of 57 multipliers could be found active during the contest. ZF, C6 and XE were among the North American countries active. It was great to hear HC8N (N5KO) on as loud as the locals while testing out a new station in the Galapagos. Unfortunately for some wishful entrants, HC8 is still considered South America and is not a multiplier.

SCCC#1 recaptured first place in the

team category, handily beating out the competition. One of the secrets to SCCC's continued success in the team category is that their coordinator makes sure that everyone on the team sends in an entry. Further north up the coast, NCCC #1 gathered second place and the Dead Lizard crew from the Black Hole grabbed third. Mad River put together a strong team and rounded out the top four.

Golden Logs with 100 or more QSOs were achieved by N2RM (N2NC), AA3B, AD6DO, WO9S and NA0N. This is twice in a row for Pat, NA0N. K4BAI missed a fifth consecutive time by losing only one QSO.

The CW Sprint contest is doing very well indeed. Judging by the number of excellent scores and the comments that follow each contest, there is more interest and excitement in it now than ever before. It is important that we continue to increase participation by attracting others to join in the competition. As far as log quality is concerned, the trend has been towards cleaner and cleaner logs despite the higher QSO totals. This enhances the competition level of the contest. However, there is still room for improvement. Here are some hints:

Sprint Hint #1 Don't count on your master database to accurately fill in information in your computer log. It is painfully obvious, when analyzing the data, who is not copying what is really being sent.

Sprint Hint #2 Don't count on your

first QSO with a station to accurately fill in information in your computer log for subsequent QSOs. The initial mistake often gets multiplied by two or three more QSOs.

Sprint Hint #3 It is easy to get anxious and drop your call sign early on the heels of a just finished QSO — unless that QSO is not really finished (READ QSL). Wait until you hear the QSL to let your call loose. Sending your call any earlier may bust an unfinished QSO and create unnecessary confusion and hard feelings. I know of some Sprinters who purposely delay dropping in their call signs because they feel they have a better chance of being copied.

It is time to start organizing teams for the September CW Sprint. Take a look at the scores and contact those not on teams in the past. Encourage club members get on and hand out QSOs and follow up to make sure their logs are submitted as well. Please remember to register your team with cwsprint@contesting.com before the beginning of the contest.

Starting with the September, 1999 CW Sprint, all logs received will be listed at the ARRL Web site. The internet address is <http://www.arrl.org/contests/claimed/>. The page will be updated weekly as logs are received. Logs are due no later than 30 days after the contest.

September 12, 1999 at 00-04Z (Saturday evening local time) is the next time we test our Sprinting skills.

Where Were K1KI and N6TR During the Sprint?

Band	K1KI	QSOs	N6TR	QSOs
20	0000-0133 Z	138	0000-0126 Z	137
40	0134-0252 Z	123	0128-0256 Z	138
80	0253-0359 Z	104	0257-0359 Z	102

Guidelines for Log Submissions

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@contesting.com or send me your disk with the required information. An acknowledgement message will be sent to all e-mail submitters. Those sending disks can provide a SASE or stamped QSL for confirmation. Feedback on log accuracy is available via e-mail (request to cwsprint@contesting.com) or SASE once the results have been published.

Please 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@contesting.com only.

Soapbox

This was the second time using TR — much easier this time and it really helped me concentrate on the contest more than the pencil. No more paper logs! Also, first time to break 300 — a personal accomplishment that I have been seeking for about 5 years. Thanks to friends N6AA, N5KO, N6TV, N6VR for helpful suggestions on strategy for Sprint. — **AC6T**. Based on results and comments, I missed another good one! — **K0EJ**. I set a new personal best for QSOs; but I wasn't so lucky with multipliers, though I heard only three (AL, MS, AB) that I didn't work. My new sloper for 80 seems to be helping. — **K1HT**. Personal best. Slow start.... big finish for me. Good times, great ops! Viva TCG! — **K1KY**. Lots of fun as always. — **K3WU**. Was doing so well at the beginning, it was 30 minutes before I realized I had not turned the amplifier back on after eating dinner just before the contest started. — **K4BAI**. Another personal best. 300 Qs still seems like a long way off, but at least I'm still improving, and that's what it's all about. — **K4RO**. Wow again to TR and KI. Close top 5 this time. — **K5GN**. Great fun as usual. — **K5KA**. A personal best — I'd like to make it to 300 before the bar is raised to 400! — **K5OT**. The usual 220 or so. At least the mult count was up. My host's (Randy, W6UT) 80 antenna didn't like me again so minimal time there. Only one q from 10K... Darn — **K6GV**. Great conditions, great activity, personal best, what more can you ask for? — **K6LA**. 1st honest effort in Sprint, it was a good test of operating skill and it also showed what needs fixing station wise before the next event. Had a great time. — **K6RC**. Real happy with my results considering this is only my second CW Sprint. Nice to be in the "300 club." I had S8 noise on 40m and 80m, sorry if I CQed in your face. Thanks to Larry, K6RO for letting me guest op. — **N6RT** (op of **K6RO**). The Elusive 300 is getting closer and closer... — **K6XX**. 80m, my Big Finish band produced a Puny Finish for some reason this year which is too bad since this was my best out-of-the-box start. — **K7BV**. First serious Sprint in a few years and what a blast! Put up a new inverted vee for 40 and 80 and it made a huge difference. Only got out of sync a few times. Looking forward to bigger antennas this spring! — **K7NT**. First time using *TRlog 4.05*, Sure got

screwed up between CQ and S&P modes a bunch of times. Still better than the pencil. Have to get the real one and learn how to use it. — **K7NV**. I took off 45 minutes to keep my XYL cool, so 45 mults and 10K was a real surprise. — **K8MR**. Best score yet. Think I'll try High Power next time. **WE9V**'s new station plays really well! Thanks Chad! — **K9AA**. 1900-2300z working on taxes in *TurboTax*, UGH! 2300Z Order pizza for the family (ordered too late!). 2325Z Pick up the pizza. (Maybe I should of had it delivered!) 2345Z Eat the pizza...fast! 2355Z Check in with SMC gang on 40m, set up **TR**. Missed first 16 minutes... oh well, advanced preparation next time, hi.... trying to get rid of the "band map" in **TR** but it's a default, DUH! 0100Z 30 Qs... encouraging given the slow start, hi. Burning up the ESC key... Ugh, taxes and contest in same day... headache, hi. I thought about using the name "IRS" to freak everyone out. 0135Z Worked **PI4COM** in some

other contest on 40m. 0230Z Heard someone on 20m give out AK mult... um. Cat comes by for some petting... 0238Z Cat leaves and I work AK (tnx **WL7KY**). 0320-0325Z Catch TV news about hazing in the Marines. 0330Z Watching weather on TV news while CQing on 40m. Where's that 80m antenna when you need it? 0354Z Geez, a couple minutes left and I tuck in the XYL to bed. Hardest name to get, Steve, goes real fast! Nice to work some DX! **C6AKP**, **HC8N**, **XE1/AA6RX**... cool! — **K9GY**. I always have trouble getting into the Sprint mode. A little progress for me anyway in that I *finally* broke the 200 QSO barrier with low power. — **K9MMS**. My 1st attempt at the CW Sprint. A very humbling experience! You guys are good! — **KE0FT**. Started on 40 with a good rate, but 20 was a disaster. Less than half the stations called heard me, and RF in the computer forced a repair job. By the time I got back to 40 I was waaaaay behind! That's what I love about contesting!!

Top 10 Scores

K1KI	17738
N6TR	17578
K5GN	17493
N2IC	17248
K4AAA	16992
K5ZD	16848
N2NT	16700
W4PA	16366
AD6DO	16167
K9XD	15950

Top 10 QSOs

N6TR	374
K1KI	362
K5GN	357
K4AAA	354
N2IC	352
K5ZD	351
N2NT	334
W4PA	334
K6LL	334
N6TV	332

Top 10 Mults

AD6DO	51
N2NT	50
K9XD	50
K1KI	49
W1WEF	49
AA3B	49
W4PA	49
K5GN	49
KU8E	49
N2IC	49

Top 10 Low

Power Scores	
K2SQ	12880
K9AA	12784
N0AX	11880
W9RM	11822
K1HT	11696
K7NT	11610
N6ZZ	11396
W9WI	10704
K4XU	10710
N8AA	10472

Band Changes

W9RM	97
N2NT	96
K5GN	71
K9XD	59
K5ZD	56
W5WMU	52
N6IG	48
K4AAA	44
N2IC	38
W4PA	35

Golden Logs

(No QSOs Removed for 100 QSOs min)

Call	QSOs
N2RM	320
AD6DO	317
AA3B	294
NA0N	242
WO9S	141

Call	Station	Op
AC6T	K6DC	AC6T
K5GN	W5KU	K5GN
K6GV	W6UT	K6GV
K6RO	K6RO	N6RT
K7BV	K5RC/7	K7BV
K9AA	WE9V	K9PG
K9XD	K9XD	W9QA
KY7M	KC7V	KY7M
N2RM	N2RM	N2NC
N5RZ	KD5SP	N5RZ
N6TV	K6KM	N6TV
W6RGG	W6OSP	W6RGG
W6UE	W6UE	W4EF
W9RM	W9RM	AG9A
W9YH	W9YH	N4OGW
VA3UZ	VA3RU	VA3UZ
VK5GN	VK5GN	N6AA

Team Scores

SCCC #1		NCCC #1		DLCSCW		MRRC	
AD6DO	16167	N6TV	15936	K9XD	15950	KW8N	13296
K6LL	15030	N6IG	15888	W9RE	13410	KU8E	12985
K6LA	14444	N6RO	14006	K9AA	12784	N8EA	11309
AC6T	14122	W6OAT	12690	K9ZO	11924	K8MR	10440
K6NA	14040	K7BV	11528	W9RM	11822	K0OU	10127
K6RO	13770	K6XX	11481	K9BGL	10578	K9TM	8988
W6UE	11954	W6RGG	11094	K9IG	9840	W8AV	7020
N6VR	11704	AE6Y	10660	KB9TSN	5746	K8DD	5945
KY7M	11466	Total	103283	Total	92054	K4MA	5852
W6TK	8040					Total	85962
Total	130737						

5. TCG (W4PA, K1KY, K4WX, K4RO, W9WI, WO4O, K3WU, K0EJ, N3DEL).....	77647
6. RDO (N6TR, W7WA, N0AX, K7NT, KK7GW, WL7KY, AD7U, AA0CY).....	72807
7. FRCD (N2NT, AA3B, K3WW, N2RM, K2SQ).....	70262
8. NCC (K5ZD, N9RV, K3LR, N8AA, K3UA, K8NZ).....	66388
9. YCCC (K1KI, W1WEF, K1DG, K1HT).....	58500
10. SMC #2 (K9MMS, W19WI, WT9U, KJ9C, WO9S, K9KM, W0UY, K9GY, K0RX).....	56846
11. PROC (N5RZ, K5OT, VE5MX, VA3UZ, KU7Y).....	49925
12. TDXS (K5GN, K5NZ, W5ASP, KN5H).....	48799
13. SECC (K4AAA, K4BAI, K4OGG).....	36254
14. NCCC #2 (AJ6V, K6GV, N6PN, K6RC).....	35677
15. SCCC #2 (N6ZZ, K7NV, K6VNX, KQ6ES).....	31213
16. FCG (WC4E, WD4AHZ, K1TO).....	20001
17. SMC #3 (KA9FOX, KB3AFT, KE0FT).....	19077

Rates on 80 were very good, and bands were long, so it was fun to play catch up. Guess the high winds did more damage to my 20 meter dipole than I thought, huh? There are contests, and then there's the Sprint! It challenges us to not park our butts and call CQ. Even us S&P ops get a chance to learn how to sort out callers. — *KJ9C*. Great conditions, and great ops! — *KK7GW*. I had surgery on my right shoulder (sending and logging arm) roughly 50 hours before the CW Sprint. I managed to get the station ready before the surgery. The shoulder didn't bother me as much as I thought it might, but other side effects of the IV and general anesthetic still seemed present with me. First time I remember having to take potty breaks during a Sprint and even the mental stamina gave way too. It was still fun anyway. — *KW8N*. I never got close to my goal of 200 Qs but I did improve by about almost 20% so I'll just try again the next time. Thanks to all who had to dig me out of the noise. — *KU7Y*. Lots of personal bests reported on 3830 — add another to the list. On to and beyond! Probably the smoothest flow for me of any Sprint yet — none of those embarrassing 30 minute periods that look mighty bad in the log later on. Thanks to HC8N and ZF2NT for spicing things up — no Europeans this time. — *NOAX*. FB condx. — *N4AF*. Thanks to Tommy for use of his station. I kept my shirt on this time and the multiplier improved. Now to work on QSOs. Hours 2 & 3 were 68 & 69 respectively. Can't get back in the top ten operating like that! — *N5RZ*. It would be nice if stations who are about to pounce after completion of a QSO would wait a couple of beats so the confirmation from the station who just received the exchange can be heard. This is mostly a problem on 80 meters where the difference between a loud and weak

Top 10								
	Scores	Band Changes	QSOs Lost	00Z	01Z	02Z	03Z	
K1KI	17738	2	3	101	86	86	94	
N6TR	17578	2	3	103	93	84	97	
K5GN	17493	71	1	98	76	88	96	
N2IC	17248	38	2	94	84	81	96	
K4AAA	16992	44	2	93	89	84	90	
K5ZD	16848	56	3	92	85	86	91	
N2NT	16700	96	8	92	84	77	89	
W4PA	16366	35	1	90	78	80	87	
AD6DO	16167	2	0	88	60	86	83	
K9XD	15950	59	3	83	72	82	85	

signal is about 50 dB. New 3 element 80 worked well. — *N6TR*. Many thanks to Bill, K6KM, for lending me his fine station for the contest. — *N6TV*. As of two hours before the contest, I had no antennas. Dashed about like a crazy person (probably appropriate) to throw a couple of temporary wires in the trees. 20-meter dipole wouldn't resonate, so used the 80-meter dipole on 20 with an antenna tuner. Seemed to get beat out more than usual when calling people. — *N6ZZ*. First Sprint — boy I'm glad it's only 4 hours! — *N7VM*. Should have stayed longer on 20. The band was good and my 4-el Telrex is the best stateside antenna I've ever used there. — *N9RV*. Stayed on 20 too long. One VFO is not enough for the contest like this. Heard but missed VE2, VE6, WV. Next time! — *VA3UZ*. Off to a shaky start, the county fire department was still putting out a prairie fire across the road from the shack when the contest started. — *W0UY*. Condx just don't get better than this! Despite the worst cold I've had in years, I enjoyed my favorite contest more than

ever. — *W1WEF*. Another Tennessee state record, this one makes two in a row. If I make it to the top 10 it'll be the first time I've ever made it in the Sprint. What a great contest — definitely my favorite. — *W4PA*. Started out neck-and-neck with the big boys. My elation was short lived though (about 20 minutes) as visions of 300 QSOs soon faded in the midst of the more familiar confusion and panic. Maybe next time! Thanks to everyone for the Qs. — *W4EF* (op of *W6UE*). Sorry, illness made my participation minimal. CU in the fall. — *W5NR*. Early in the test, a VT station called me on 20. A noise burst took him out during the number and name, so I requested a fill. At the same time he began transmitting the fill, a S9+ W2 station began calling "CQ NA" dead on top of the VT operator. Between the W2 and the chain of QSOs his CQ generated, it was impossible to copy the VT guy to get his fills, and impossible for him to hear me ask for them. Had to give up and scratch the QSO. — *W9WI*. First Sprint! Lots of fun, can't work 'em all with 5 W but enough to stay busy. — *W09S*

Team Key									
DLCSW	Dead Lizards Can't Send CW								
FCG	Florida Contest Group								
FRCD	Frankfurt Radio Club Domestic								
MRRC	Mad River Radio Club								
NCC	North Coast Contesters								
NCCC#1	Northern California Contest Club #1								
NCCC#2	Northern California Contest Club #2								
PROC	Procrastinators								
RDO	Rush Drake Orchestra								
SCCC#1	Southern California Contest Club #1								
SCCC#2	Southern California Contest Club #2								
SECC	South East Contest Club								
SMC#2	Society of Midwest Contesters #2								
SMC#3	Society of Midwest Contesters #3								
TCG	Tennessee Contest Group								
TDXS	Texas DX Society								
YCCC	Yankee Clipper Contest Club								
Scores									
Call	Name	QTH	20	40	80	QSO	Mul	Score	Team
K1KI	Tom	CT	137	123	102	362	49	17738	YCCC
K5ZD	Randy	MA	124	137	90	351	48	16848	NCC
W1WEF	Jack	CT	121	113	80	314	49	15386	YCCC
K1DG	Doug	NH	107	121	76	304	45	13680	YCCC
K1HT	*Dave	MA	96	115	61	272	43	11696	YCCC
WR1P	Nate	MA	67	64	53	184	39	7176	
N2NT	Andy	NJ	126	132	76	334	50	16700	FRCD
N2RM (N2NC)	John	NJ	109	123	88	320	41	13120	FRCD
K2SQ	*Ed	NJ	94	101	85	280	46	12880	FRCD
AA3B	Bud	PA	103	102	89	294	49	14406	FRCD
K3LR	Tim	PA	119	110	75	304	45	13680	NCC
K3WW	Chas	PA	106	99	81	286	46	13156	FRCD
WA3HAE	*Keith	PA	88	82	56	226	40	9040	
K3UA	Bob	PA	35	99	63	197	38	7486	NCC
KB3AFT	*Jim	PA	56	73	45	174	40	6960	SMC #3
K3WU	*Jim	PA	64	59	54	177	37	6549	TCG
N3DEL (N9GG)	*Del	DE	13	1	0	14	7	98	TCG
K4AAA (W4AN)	Bill	GA	136	119	99	354	48	16992	SECC
W4PA	Scott	TN	114	126	94	334	49	16366	TCG
N4AF	Al	NC	106	114	90	310	46	14260	
K4BAI	John	GA	99	107	92	298	45	13410	SECC
K1KY	Tom	TN	81	96	85	262	47	12314	TCG
WC4E	Jeff	FL	99	113	71	283	43	12169	FCG
K4WX	Don	TN	86	106	96	288	42	12096	TCG
K4RO	Kirk	TN	76	97	90	263	44	11572	TCG
W9WI	*Doug	TN	70	81	72	223	48	10704	TCG
K4FXN	*Dan	KY	59	85	63	207	39	8073	
W04O	*Ric	TN	46	84	76	206	38	7828	TCG
WD4AHZ	*Ron	FL	87	68	47	202	38	7676	FCG
K4MX	*Jeri	VA	50	62	60	172	40	6880	
N4RG	Ted	TN	51	66	57	174	39	6786	
K4OGG	Jay	GA	46	85	23	154	38	5852	SECC
K4MA	Jim	NC	49	69	36	154	38	5852	MRRC
K1TO	*Dan	FL	0	0	13	13	12	156	FCG
K0EJ	*Mark	TN	11	1	0	12	10	120	TCG
K5GN	Dave	TX	134	139	84	357	49	17493	TDXS
N5RZ	Gator	TX	123	109	86	318	47	14946	PROC
K5NZ	Mike	TX	96	109	61	266	46	12236	TDXS
K5KA	Ken	OK	78	86	84	248	46	11408	
N6ZZ	*Phil	NM	99	116	44	259	44	11396	SCCC #2
K5OT	Larry	TX	84	115	73	272	41	11152	PROC
K5TQ	Gary	NM	99	85	75	259	43	11137	
W5WMU	Pat	LA	89	82	66	237	43	10191	
W5ASP	Joe	TX	90	95	52	237	42	9954	TDXS
AF5Z	*Bob	TX	48	85	55	188	39	7332	
N5OT	Mark	OK	31	55	6	92	35	3220	
W5NR	Art	TX	3	0	0	3	3	9	
AD6DO	Dan	CA	138	100	79	317	51	16167	SCCC #1
N6TV	Bob	CA	121	124	87	332	48	15936	NCCC #1
N6IG	Jim	CA	131	132	68	331	48	15888	NCCC #1
K6LA	Ken	CA	129	122	63	314	46	14444	SCCC #1
AC6T	Steve	CA	122	116	69	307	46	14122	SCCC #1
K6NA	Glen	CA	131	105	76	312	45	14040	SCCC #1
N6RO	Ken	CA	118	106	74	298	47	14006	NCCC #1
K6RO (N6RT)	Larry	CA	116	122	68	306	45	13770	SCCC #1
W6OAT	Rusty	CA	104	113	53	270	47	12690	NCCC #1
W6UE (W4EF)	Mike	CA	106	106	66	278	43	11954	SCCC #1
Call									
	Name	QTH	20	40	80	QSO	Mul	Score	Team
K4AAA	Ray	CA	107	115	44	266	44	11704	SCCC #1
(W4AN)	Bob	CA	113	93	61	267	43	11481	NCCC #1
W4PA	Bob	CA	101	108	49	258	43	11094	NCCC #1
N4AF	Andy	CA	107	94	59	260	41	10660	NCCC #1
	Ed	CA	96	86	47	229	41	9389	NCCC #2

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K6GV	Bo	CA	87	104	19	210	44	9240	NCCC #2	K9XD	Dave	IL	99	126	94	319	50	15950	DLCSCW
N6PN	*Matt	CA	82	97	35	214	41	8774	NCCC #2	(W9QA)									
K6RC	Dave	CA	68	88	41	197	42	8274	NCCC #2	N9RV	Pat	IN	96	121	88	305	46	14030	NCC
W6TK	Dick	CA	86	78	37	201	40	8040	SCCC #1	W9RE	Mike	IN	88	119	91	298	45	13410	DLCSCW
K6VNX	Arlen	CA	87	61	23	171	43	7353	SCCC #2	W9YH	Tor	IL	88	94	93	275	47	12925	
KQ6ES	*John	CA	39	59	18	116	35	4060	SCCC #2	(N4OGW)									
W6MVV	Dick	CA	98	0	0	98	37	3626		K9AA	*Paul	WI	96	109	67	272	47	12784	DLCSCW
N6NF	*Tom	CA	2	43	0	45	22	990		(K9PG)									
										K9ZO	Ralph	IL	90	93	88	271	44	11924	DLCSCW
N6TR	Tree	OR	136	137	101	374	47	17578	RDO	W9RM	*Dave	IL	66	116	74	257	46	11822	DLCSCW
K6LL	Dave	AZ	129	129	76	334	45	15030	SCCC #1	(AG9A)									
W7WA	Dan	WA	116	120	48	284	47	13348	RDO	K9BGL	Karl	IL	81	98	79	258	41	10578	DLCSCW
N0AX	*Ed	WA	126	94	50	270	44	11880	RDO	K9IG	Liz	IN	65	97	78	240	41	9840	DLCSCW
K7NT	*Mike	OR	104	115	39	258	45	11610	RDO	KA9FOX	Scott	WI	75	86	76	237	41	9717	SMC #3
K7BV	Ncj	NV	99	102	61	262	44	11528	NCCC #1	K9MMS	*Gary	IL	39	110	60	209	44	9196	SMC #2
KY7M	Lee	AZ	94	97	82	273	42	11466	SCCC #1	W19WI	Kenstarr	WI	73	76	64	213	42	8946	SMC #2
K4XU	*Dick	OR	109	101	45	255	42	10710		K0SN	*Tom	WI	52	100	50	202	43	8686	
W7ZRC	*Rod	ID	74	114	55	243	41	9963		WT9U	*Jim	IN	44	80	77	201	41	8241	SMC #2
KN5H	*Steve	AZ	84	93	35	212	43	9116	TDXS	KJ9C	*Mel	IN	33	85	67	185	41	7585	SMC #2
K7NV	Kurt	NV	82	77	32	191	44	8404	SCCC #2	W09S	**Jon	IL	43	66	32	141	41	5781	SMC #2
N7LOX	*Brian	WA	104	88	29	221	37	8177		KB9TSN	Ed	IN	41	70	58	169	34	5746	DLCSCW
N7VM	*Bill	UT	79	78	51	208	38	7904		K9KM	*Howie	IL	44	78	26	148	37	5476	SMC #2
KK7GW	*David	WA	102	56	20	178	39	6942	RDO	K9GY	*Abe	IL	39	84	0	123	36	4428	SMC #2
WL7KY	Chris	AK	105	60	0	165	39	6435	RDO	N2IC	Steve	CO	141	123	88	352	49	17248	
KU7Y	**Ron	NV	59	69	20	148	40	5920	PROC	NA0N	*Pat	MN	74	86	82	242	42	10164	
AD7U	*Caleb	WA	50	65	6	121	35	4235	RDO	K0OU	Steve	MO	67	113	67	247	41	10127	MRRC
W7YQA	*Bob	OR	38	35	23	96	40	3840		W0UY	*Tom	KS	47	62	36	145	34	4930	SMC #2
AA0CY	*Bob	WA	19	22	0	41	19	779	RDO	KE0FT	*John	IA	29	28	23	80	30	2400	SMC #3
										K0RX	*Dave	IA	58	15	0	73	31	2263	SMC #2
KW8N	Bob	OH	85	109	83	277	48	13296	MRRC	VE5MX	Todd	VE5	88	84	44	216	43	9288	PROC
KU8E	Jeff	OH	65	109	91	265	49	12985	MRRC	VA3UZ	*Jerry	VE3	78	94	49	221	39	8619	PROC
N8EA	Joe	MI	80	104	79	263	43	11309	MRRC	VE5SF	*Sam	VE5	83	88	42	213	39	8307	
N8AA	*John	OH	80	95	63	238	44	10472	NCC										
K8MR	Jim	OH	68	96	68	232	45	10440	MRRC	C6AKP	*Dick	C6	15	4	2	21	14	294	
K9TM	Mitch	OH	78	88	48	214	42	8988	MRRC	HC8N	Trey	DX	113	13	0	126	38	4788	
W8AV	Goose	OH	46	80	54	180	39	7020	MRRC	(N5KO)									
K8DD	Duck	MI	45	71	29	145	41	5945	MRRC	VK5GN	Dick	DX	40	0	0	40	19	760	
K8JM	John	MI	53	48	23	124	39	4836		(N6AA)									
K8NZ	*Ron	OH	70	51	0	121	32	3872	NCC										
K8KFJ	Gary	WV	36	34	41	111	34	3774											

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