

Results, September 1999

NCJ CW Sprint

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Despite the unfortunate problems with Sprint date confusion, activity was still generated at a very high level. So high, in fact, that a new all-time CW Sprint record was posted by Dan, K1TO. His efforts also resulted in a new all-time high multiplier record of 53. Dave, K5GN, tied the old record score, which had been held by N6TR, on his way to a strong second place finish. K4AAA finished third, up two places from February. N6ZZ had everything in sync, resulting in fourth place. The Midwest showed some real strength with W4PA, N9RV and AG9A closing out the top ten. A grass roots postcard writing campaign, urging stations from around the country to operate the Sprint worked very well. The results were increased activity and a terrific number of available multipliers.

Dave, NT1N, threw up some wires and a small tribander at 40 feet at his new location in CT and placed first among low power entries (see the sidebar for Dave's take on moving from the Black Hole of the Midwest to New Europe). AD6DO came in 2nd from the opposite coast, while K9AA, had to settle for third place. K2SQ came in fourth with another nice effort and W4OC, who has become a dependable South Carolina multiplier to grateful Sprinters, placed fifth.

In addition to K1TO's record-setting effort, other records also fell by the wayside. Thirteen section records were

broken, with new ones set in FL, GA, IN, MN, NM, SC, TX, VT, WI, WY, VE3 and VE6. The most ancient record broken was Minnesota's, which was a full 20 years old and the last record to stand from the 70s. From the DX side, LY2BTA recorded an all-time high from Lithuania.

Golden Logs with 100 or more QSOs were achieved by K1HT, K1KY, K4BAI, K5OT, AD6DO, and K8JM. This is AD6DO's second perfect log in a row. K4BAI's golden ears landed him back on this very elite list.

NCCC#1 worked hard and took first place in the competitive team category. SCCC#1 came in second in a flip flop of February's results. South East Sprint Team and FRC Domestic put in strong

efforts to round out the top four. Again, one of the keys to team victory is to not only get everyone on, but also to send in the logs after the contest is over. When it comes to team competition, it is sometimes difficult to build up complete teams. Check the scores in this write-up and contact those without team affiliations. Teams must be registered with cwsprint@contesting.com before the beginning of the contest.

All logs received will be listed at NCJ's Web site. Team coordinators can easily check to see if the team members have sent in logs. The page will be updated weekly as logs are received. The internet address is <http://www.ncjweb.com>. Logs are due no later than 30 days after

Top 10 Scores	Top 10 QSOs	Top 10 Mults	Top 10 Low Power Scores	Band Changes
K1TO 18762	K5GN 358	K1TO 53	NT1N 13720	AG9A 111
K5GN 18258	K1TO 354	K4AAA 51	AD6DO 12596	W4PA 103
K4AAA 18003	K4AAA 353	K5GN 51	K9AA 11985	K5GN 74
N6ZZ 16881	K1KI 342	N6ZZ 51	K2SQ 11822	K4AAA 54
N6TR 16709	N6TR 341	K6XX 51	W4OC 11730	N5KO 52
K1KI 16416	W4PA 334	K1KY 50	K5NZ 11408	N6IG 42
W4PA 16032	N9RV 334	K9AY 50	K1HT 11316	K1TO 31
N2NT 15974	N6ZZ 331	N6AA 50	K4XU 10944	K2UA 31
N9RV 15698	N2NT 326	W6UE 50	K7NT 10260	W6EEN 30
AG9A 15500	W6EEN 321	AG9A 50	K4FXN 10191	K6LA 29
		K9TM 50	K9AY 9750	

Team Scores

NCCC#1	SCCC#1	SEST	FRC
N6TV 14784	N6AA 15100	K4AAA 18003	N2NT 15974
N5KO 14700	W6EEN 15087	K4BAI 13968	AA3B 14064
N6IG 14544	K6NA 14592	AA4GA 11750	K3WW 14006
N6RO 13104	K6LA 14382	W4OC 11730	K2UA 11968
K6XX 12648	AD6DO 12596	K4NO 11520	W2GD 11868
K6AW 12267	W6UE 12350	K3MM 11352	K2SQ 11822
K7BV 11565	N6VR 12336	K9AY 9750	WW2Y 11270
AE6Y 11454	W6TK 7965	K2UFT 8299	N2NU 6765
W6EU 10120	W6MVW 5504	K4MA 4551	
W6RGG 9976			97737

125162

109912

100923

Golden Logs

(No QSOs Removed for 100 QSOs min)

Call	QSOs
K4BAI	291
K5OT	287
K1KY	279
AD6DO	268
K1HT	246
K8JM	138

Guest Ops

Call	Station	Op
K1KY	W4CAT	K1KY
N2NT	N2NT	N2NC
W2GD	N2EA	W2GD
K3CR	WA3FET	KB3AFT
W4PA	K4JNY	W4PA
K5TR	N5XU	K5TR
K6AW	K6KM	K6AW
K6GV	W6UT	K6GV
W6CT	AK6L	W6CT
W6EEN	W6EEN	N6RT
W6RGG	N6BT	W6RGG
W6UE	W6UE	W4EF
AG9A	K9XD	AG9A
K9AA	WE9V	K9PG

5. YCCC #1 (K1KI, K1DG, NT1N, W1WEF, K1HT, K1IR, N2MG, W1EAT, AA1SU) ..	93604
6. MRRR (K8MR, KW8N, K9NW, KU8E, K9TM, K0OU, K4LT, N8ET)	88688
7. TCG #1 (W4PA, K1KY, K4RO, K4WX, N4CW, WO4O, K3WU, K0EJ, N3DEL)	86474
8. ABT (N6ZZ, N6TR, K4XU, K9JF, K7NT, K5KA, N7LOX)	83422
9. DLCSW (AG9A, K9AA, K9ZO, K9IG, WT9U, K9YO, W0UY, K9YA)	74434
10. RBT (K1AR, K5OT, K1Y, N4BP, KU7Y, AD7U, AA8U)	55134
11. TDXS (K5GN, K5NZ, K65U, N5TU, W5ASP)	54029
12. NCC (N9RV, K3CR, VE3EJ, NI3S)	48742
13. NCCC #2 (K6GV, AJ6V, W6CT, N6PN, NI6T)	45426
14. SMC #2 (K9BGL, N9SD, K19A, N9JF, KA9FOX)	33563
15. CTDCCS (N3BB, K5PI, K5TR, N5CQ)	32661
16. CCC (W5WMU, KZ5D, W5ZR, N5AN, K5UA, N8RR)	29254
17. MNWA (K0AD, NA0N)	18350
18. TCG #2 (NA4K)	11760

the contest.

Please check the ARRL Contest Calendar for the Sprint dates for the year 2000.

See you in February.

Soapbox

WHAT A CONTEST!!!—AD7U. Thanks to K9XD for use of his terrific Chicago area station.—AG9A. Delighted to join the fray and offer a few points. I hereby claim first place for fastest log submission—sent one hour before end of contest!—G3SXW. Difficult to work west of the Mississippi this time, thanks to K7BV and K6NA who pulled my signal through. Still paper bound in this Sprint. I must get on the TR learning curve.—G4BUO. I had a sub-par first hour and wasn't able to make up for it. At least my mult total equaled my previous best. First time I've worked AK in the Sprint—thanks, WL7KY!—K1HT. Love those mults—had all 53 by 0221Z! Even heard K07X and VE9DX for 55 potential mults! 2nd rig was barefoot this time. First Sprint with my new MP. Glad the t'storms stayed away again.—K1TO. It was a kick to work two LYs on 40 meters and CT1BOH on 20. The Sprint is simply the best CW contest there is! Next time: Page 7!—K2UA. First serious entry, hit the wall at 3.5 hours but

stuck it out to the bitter end. Better strategy in February and a nap ahead of time might help!—K2UFT. Thanks to Jim/WA3FET for use of the station.—K3CR. Good activity, It always takes me about 2 hours to get the "hang" of the contest. By the time I get used to what I'm doing it's over!!!—K3JT. My first

full-time Sprint. I think I need practice turning the big knob! Hi!—K3MM. Lots of fun. Had to track down an RF problem mid-contest that took some valuable time. Look forward to the winter Sprint.—K3WU. This remains the most humbling contest of all for me, and demands the highest level of performance every

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. Check the Sprint Rules for any changes to these guidelines.

NCJ CW Sprint Records - Through September 1999

QTH	Date	Call Sign	QSOs	Mults	Score	QTH	Date	Call Sign	QSOs	Mults	Score
CO	2/99	N2IC/0	352	49	17,248	MI	9/96	K8CC	284	44	12,496
IA	2/98	N0NI (AG9A)	321	46	14,766	OH	9/91	K3UA/8	322	45	14,490
KS	9/82	K0VBU	231	42	9,702	WV	9/82	N8II	250	42	10,500
MN	9/99	KM0O	244	48	11,712	IL	2/99	K9XD (W9QA)	319	50	15,950
MO	9/96	K4VX/0 (WX3N)	332	46	15,272	IN	9/99	N9RV	334	47	15,698
NE	2/91	KV0I	204	34	6,936	WI	9/99	K9NW	278	47	13,066
ND	9/98	WB0O	320	42	13,440	VE1	2/88	VO1QU	143	33	4,719
SD	2/93	WD0T	319	39	12,441	VE2	9/88	VE2ZP	214	41	8,774
CT	2/99	K1KI	362	49	17,738	VE3	9/99	VE3EJ	264	46	11,712
MA	2/99	K5ZD	351	48	16,848	VE4	9/93	VE4VV	237	40	9,480
ME	9/88	K1KI	218	41	8,938	VE5	2/99	VE5MX	216	43	9,288
NH	2/99	K1DG	304	45	13,680	VE6	9/99	VE6EX	195	46	8,492
RI	2/90	K1IU	236	44	10,384	VE7	9/92	VE7NTT	274	47	12,878
VT	9/99	W2GD	258	46	11,868	VY1	9/94	VY1JA	6	3	18
NJ	2/99	N2NT	334	50	16,700	C6	2/99	C6AKP	21	14	294
NY	9/80	N2NT	319	42	13,398	HH	9/96	HH2AW	139	33	4,587
DE	9/89	KN5H/3	272	46	12,512	HI8	2/91	HI8DMX	40	19	2,430
MD	9/89	W3LPL	310	47	14,570	VP2E	2/96	VP2E/KI4HN	68	30	2,040
PA	2/92	K3LR	334	45	15,030	VP9	2/85	W6OAT/VP9	202	31	6,262
AL	9/89	N4KG	251	45	11,295	V4	2/96	V40Z (AA7VB)	54	23	1,242
FL	9/99	K1TO	354	53	18,762	XE	9/90	XE2XA (WN4KKN)	305	47	14,335
GA	9/99	K4AAA (W4AN)	353	51	18,003	ZF	9/92	ZF2KI (K1KI)	251	49	12,299
KY	9/98	K4LT	281	44	12,364	4U1	2/85	4U1UN (W2TO)	70	23	1,610
NC	2/99	N4AF	310	46	14,260	8P	2/96	8P9EN	10	8	80
SC	9/99	W4OC	255	46	11,730	CT	9/98	CT1BOH	225	40	9,000
TN	2/99	W4PA	334	49	16,366	EA8	2/94	EA1AK/EA8	36	21	756
VA	9/89	KT3Y/4	296	48	14,208	F	9/90	F/N6TR	196	38	7,448
AR	2/82	K5GO	302	40	12,040	G	2/98	G4BUO	101	29	2,929
LA	2/95	W5WMU (K5GA)	306	48	14,688	HC8	2/99	HC8N (N5KO)	113	38	4,788
MS	2/98	WQ5L	230	40	9,200	I	9/98	IK0HBN	100	35	3,500
NM	9/99	N6ZZ	331	51	16,881	JA	2/91	7J1AAI	13	9	117
OK	9/89	KM5H	289	49	14,161	KH6	9/81	KH6NO	121	30	3,630
TX	9/99	K5GN	358	51	18,258	LY	9/99	LY2BTA	59	240	1,416
CA	2/99	AD6DO	317	51	16,167	OH	9/98	OH1NOA	56	22	1,232
AK	2/90	NL7GP	176	37	6,512	PY	9/80	PY8ZPJ	29	14	406
AZ	2/97	K6LL/7	338	48	16,224	VK	9/94	VK5GN (N6AA)	48	22	1,056
ID	9/82	K7NHV	281	38	10,678	ZD8	9/90	ZD8Z (N6TJ)	228	43	9,804
MT	2/98	K7BG	273	43	11,739						
NV	2/98	K7BV	272	43	11,696						
OR	2/95	N6TR/7	358	51	18,258						
UT	9/91	K6XO/7	263	44	11,572						
WA	2/92	K7SS	329	42	13,818						
WY	9/99	K7KU (N2IC)	312	48	14,976						

Highest score: 9/99, K1TO, 18,762

Highest multiplier: 9/99, K1TO, 53

Highest QSO total: 2/92, KROY/5, 375

Logs received: 9/99, 163

Number logs >= 300: 2/99, 24

Number Golden Logs: 9/94, 9

Highest team score: 9/98, Make No Mistake About It, 139,628

second. Still need to eliminate those "deer in headlights" moments, or learn to recover from them even more quickly. I'm determined to break 300 in this contest someday...—*K4RO*. 20 faded fast and 80 was rough. Sprint reminds me of the sign at the roller coaster... "Fasten your seatbelts and keep your arms and legs inside the vehicle at all times" ... who needs caffeine?—*K5KA*. Best I've done so far. Operated from W6UT, Randy's QTH. Thanks again to Randy and Sue for letting me pollute the airwaves from their QTH.—*K6GV*. Once again, I had a great first 2 hours, 88, then 90, then lost it with a 66 then 69. It's not fatigue. I'm obviously into the rhythm. Someone have some tips for me???? Moved to 40 at 0127Z. Too early? Used the second radio on 20 until 0245Z when I moved it to 80. I thought I was doing great with mults until I got to the real 3830. Only heard VE9 that I didn't work and he only made 19 QSOs. Missed AR AZ??? (where was K6LL?) IA and UT, which I usually get.—*K6LA*. I decided to participate at the last minute (2320Z) then had to run an errand that had me getting home at 2345. No problem, cool as a cucumber—right! I was glad that the interface and computer worked the first time since I had zero time to fiddle about. It seemed like I would not make my goal of 10,000 points, and that I was behind most people. I worked all through the contest, but I ended up doing better than I thought I would. 20 didn't last as long as I hoped, and I kept getting beat out on 40 but all bands produced enough to make this event a great time for me. Geel! What a great contest!—*K7NT*. It's been said many times before by many people "This is the most intense 4 hours of contesting that you'll ever experience." My sincere thanks again to the NCJ for the sponsorship of the Sprints.—*K8KFJ*. Operating with my CW arm in a cast made it difficult to type, but now I have the bionic fast CW option installed for future contests!—*K9ZO*. On family vacation out west, brought my new IC-746 and 20m/40m mag mount antenna and operated contest from hotel parking lot in Ogalala, Nebraska from the family mini van! Missed first 40 minutes of contest due to dinner with family going late and wasted time trying to figure out how to use my new IC-746's built-in keyer. Also didn't learn until after the contest that the IC-746 has a pseudo CW filter (APF), so I did the entire contest without a CW filter!! Note for next contest: learn how to use radio BEFORE the contest. Had no 80m antenna, so end of contest was a little boring. I really had a BLAST and was very glad that I could give out the 'rare' Nebraska multiplier for a few deserving contesters.—*KA9FOX/0*. First Sprint...FUN!—*KF6GUH*. First time in a Sprint contest. It will take some time to get accustomed to the proper procedures in a Sprint.—*KG8GW*. First time ever making more than a handful of Qs in this contest—what a ball, what a headache! I love it. See you in SSB and CW this winter! I'm hooked!—*K19A*. This was my first ever Sprint contest and wow, talk about culture shock! It took me the first hour or so to get the hang of the format, then it was a lot of fun. I duped people 3 times (sorry) but had 7 people dupe me. I guess I'm 4 under par in the "oops—I-duped" competition. :-)—*KU6J*. Missed the first 16 minutes, but plenty of activity when I did get on. First time using *TR* in Sprint. Helpful, but

definitely a learning curve.—*KZ5D*. Sure worked lots of new blood this time. I seem to have reached a plateau in the 320 QSO range—very frustrating. Sure was great to operate from home again. 80m was very noisy, and I don't think the wire vertical I put up Saturday morning had any oomph. Missed AZ IA ME MT ND RI UT VE1,2,8. Of those I heard AZ and ME. Was happy to pick up W0UY (KS) and W7ZRC (ID) in last 10 minutes on 80m for new ones. Still the greatest contest!—*N5RZ*. I started out pretty good and then seemed to hit a wall. This was only my third Sprint, but it sure seemed like I had to CQ a whole lot more than usual. Even after answering somebody else's CQ, I often had no takers waiting. CQing was not overly productive either.—*N6RT* (op at W6EEN). Good start—but the low bands were slow to open. Congrats to K1TO for establishing a new mark for us all to shoot for. Many thanks to all of those who responded to our post cards.—*N6TR*. First Sprint in several years—and was I ever rusty! I know I had several broken QSOs!—*N8ET*. Nice laid-back effort interrupted by a birthday party. More people got "POGO" this time.—*N9JF*. I'm really not sure why I did better in this Sprint than in any other I have run, but I'll take it! Have been doing a lot of antenna work and very little operating, so I was surprised to be

able to get into the flow so quickly. Best hour for me was the last one. W9 was just about perfect for 80 meters, with the West Coast audible and the East Coast loud. One of these days I'll try two radios in one of these things. N6ZZ gets my vote as the loudest signal anyplace but 80.—*N9RV*. My first attempt at a Sprint contest. Lots of fun!—*N9SD*. My second attempt. Spent first 45 minutes on wrong antenna—things improved when that was found and corrected. We are indeed our own worst enemies.—*N16T*. From the "I might'a column": I might'a done better if 80m hadn't been so noisy. Still short of the 200 QSO mark but still a great contest.—*W0UY*. Hmmm, this OM is becoming too bandwidth limited for this high adrenaline stuff. Sorry for all the repeat requests, but my brain was even more foggy than normal this time around (maybe next time I will wear a bib and change my Sprint name to "Drool"). Fortunately there were lots of multipliers running around which helped to save my bottom line a bit. From what I can gather there were at least 54 mults available (heard Iowa and Ark. along with rumors of Del. and Utah). CU all next time!—*W4EF* (op at W6UE). Local WX QRN was bad on 20, worse on 40, and impossible on 80.—*W5ASP*. Only had 20m dipole and 3 hours. My best multiplier total ever. Still my favorite contest.—*W6MVW*.

My Best Sprint!?

I have heard over the years how bad the East Coast, and particularly New Europe (New England) is for domestic contests. Naturally I wasn't real concerned with truly competing in this CW Sprint, but I thought I would put in a full effort from here in Connecticut, and leave myself with a comparison tool for when I have my big station going. For the record, I ran my JST 245 to a C3S on a roof tower (about 40 feet) and 40 and 80 meter dipoles in the trees. My QTH is on top of a hill with downslope in all the important directions.

I have done many Sprints from the Midwest (MO and IL); thus I immediately recognized the skip zone differences when I hit 20 meters from Northeast CT. The "Northeast" part might be important because I remember being able to work lots of W1s from W9, but they were the more northern and eastern W1s. Anyway, the 9s, some 8s and all the 4s and everything westward was pounding-in. The nature of the Sprint is that you are essentially "trapped" on each of three bands because of the activity concentrations during different times therein. From the Midwest the best band is 80 meters where there is the greatest coverage of participants. However, most ops don't hit 80 until the last hour. Being on a fringe of the continent (basically any fringe) allows for excellent skip zone coverage to the most participants on 20 and 40. And those bands are where most ops spend at least an hour and half each. From the Midwest, a small group of stalwarts has continued to start the contest on 40 where they can work each other before the band goes long. Knowing that, I started on 40 for a dozen very easy QSOs before hitting the rat race on 20. But 20 was great for me, and I was able to keep the strings of QSOs going easily.

How interesting to hear 9s, 8s, and 5s that I never heard before on 20. And there are plenty of 'em. Now I truly can see just how much of a contribution the Midwest makes to the record breaking scores of those winners on the coasts!

Forty meters is just as good. My antenna looks flat and horizontal about 300 feet above New Europe, and it's great to have easy strings of QSOs on 40. And naturally, like the good New European op that I now am, I maximize both 20 and 40 and hit 80 with little less than an hour to go. And predictably it is the toughest band for this particular contest. The West Coast is audible but not really workable low power—certainly a big change from the Midwest. But in the 50 minutes here there are plenty of "local" stations to work to fill in the time. A quick QSY or two back to 40 brings in some straggler Western QSOs, and all of a sudden I have a low power score that treks amongst the best ever. A total of 280 QSOs and 49 mults is a score I would be happy with from the Midwest with high power! I had fun too! The moral of the story is: "Don't listen to us East Coasters complain about domestic contests, because we might just psyche you out and pull a K1KI out of the bag and win it all!"—*73, NT1N*

Team Key																		Team	
ABT	A Boring Team																		
CCC	Cajun Contest Club																		
CTDXCC	Central Texas DX & Contest Club																		
DLCSCW	Dead Lizards Can't Send CW																	CCC	
FRCD	Frankfurt Radio Club Domestic																	CCC	
MNWA	Minnesota Wireless Association																		
MRRRC	Mad River Radio Club																		
NCC	North Coast Contesters																		
NCCC#1	Northern California Contest Club #1																		
NCCC#2	Northern California Contest Club #2																		
RBT	Really Boring Team																		
SCCC#1	Southern California Contest Club #1																		
SEST	South East Sprint Team																		
SMC#2	Society of Midwest Contesters #2																		
TCG#1	Tennessee Contest Group #1																		
TCG#2	Tennessee Contest Group #2																		
TDXS	Texas DX Society																		
YCCC#1	Yankee Clipper Contest Club #1																		
Scores	Call	Name	QTH	20	40	80	QSO	Mul	Score	Team									
K1KI	Tom	CT	142	117	83	342	48	16416	YCCC#1	N6VR	Mike	CA	140	70	37	247	50	12350	SCCC#1
K1AR	John	MA	137	133	46	316	48	15168	RBT	Ray	CA	129	97	31	257	48	12336	SCCC#1	
K1DG	Doug	NH	124	114	75	313	47	14711	YCCC#1	K6AW	Steve	CA	112	98	51	261	47	12267	NCCC#1
NT1N	*Dave	CT	122	115	43	280	49	13720	YCCC#1	AE6Y	Andy	CA	111	102	36	249	46	11454	NCCC#1
W1WEF	Jack	CT	108	113	61	282	48	13536	YCCC#1	K6GV	Bo	CA	91	105	29	225	45	10125	NCCC#2
K1ZZ	Dave	CT	118	116	65	299	45	13455		W6EU	Jim	CA	87	96	47	230	44	10120	NCCC#1
W2GD	John	VT	106	89	63	258	46	11868	FRCD	AJ6V	Ed	CA	97	88	39	224	45	10080	NCCC#2
K1HT	*Dave	MA	101	106	39	246	46	11316	YCCC#1	W6RGG	Bob	CA	89	98	45	232	43	9976	NCCC#1
K1IR	Jim	MA	85	69	62	216	41	8856	YCCC#1	W6CT	Scott	CA	106	76	41	223	43	9589	NCCC#2
W1EAT	*Tom	VT	38	33	33	104	35	3640	YCCC#1	N6PN	*Matt	CA	74	85	29	188	44	8272	NCCC#2
AA1SU	*Paul	VT	31	36	27	94	34	3196	YCCC#1	W6TK	Dick	CA	79	74	24	177	45	7965	SCCC#1
N2NT (N2NC)	John	NJ	128	123	75	326	49	15974	FRCD	N16T	Garry	CA	84	74	26	184	40	7360	NCCC#2
K2UA	Rus	NY	83	110	79	272	44	11968	FRCD	W6MVW	Dick	CA	128	0	0	128	43	5504	SCCC#1
K2SQ	*Ed	NJ	101	93	63	257	46	11822	FRCD	KU6J	*Eric	CA	75	36	19	130	41	5330	
WW2Y	Peter	NJ	89	87	69	245	46	11270	FRCD	N6NF	Tom	CA	46	36	0	82	35	2870	
N2MG	Mike	NY	92	51	48	191	43	8213	YCCC#1	KF6GUH	*Becky	CA	39	28	7	74	31	2294	
N1EU	Barry	NY	75	58	48	181	42	7602		N6TR	Tree	OR	157	123	61	341	49	16709	ABT
N2JH	John	NJ	61	75	29	165	41	6765	FRCD	K7KU (N2IC)	Steve	WY	132	117	63	312	48	14976	
KB2ZRD	*Buz	NJ	43	52	34	129	37	4773		K7BV	Denny	NV	109	100	48	257	45	11565	NCCC#1
AA3B	Bud	PA	109	110	74	293	48	14064	FRCD	K4XU	*Dick	OR	97	97	34	228	48	10944	ABT
K3WW	Chas	PA	116	122	60	298	47	14006	FRCD	K9JF	Jim	WA	109	79	36	224	47	10528	ABT
K3CR										K7NT	*Mike	OR	114	79	35	228	45	10260	ABT
(KB3AFT)	Jim	PA	122	87	71	280	47	13160	NCC	N7LOX	*Brian	WA	85	78	27	190	42	7980	ABT
K3MM	Ty	MD	89	106	69	264	43	11352	SEST	K17Y	*Jim	OR	102	52	21	175	45	7875	RBT
K3WU	Jim	PA	71	91	47	209	41	8569	TCG#1	N7WA	*Dink	WA	90	59	13	162	41	6642	
N13S	Ty	PA	51	91	38	180	43	7740	NCC	KU7Y	*Ron	NV	60	47	17	124	37	4588	RBT
N3DEL	*Del	DE	6	1	0	7	5	35	TCG#1	AD7U	*Caleb	WA	63	43	17	123	37	4551	
K1TO	Dan	FL	154	137	63	354	53	18762		AC7AF	Brian	WY	55	27	0	82	29	2378	
K4AAA (W4AN)	Bill	GA	123	138	92	353	51	18003	SEST	W8AEF	*Paul	AZ	40	13	0	53	31	1643	
W4PA	Scott	TN	126	134	74	334	48	16032	TCG#1	W7JR1NKN	*Zuo	WA	20	0	0	20	11	220	
K4BAI	John	GA	98	108	85	291	48	13968	SEST	K8MR	Jim	OH	99	116	71	286	48	13728	MRRRC
K1KY	Tom	TN	88	112	79	279	50	13950	TCG#1	KW8N	Bob	OH	107	107	64	278	48	13344	MRRRC
K4RO	Kirk	TN	76	124	82	282	49	13818	TCG#1	KU8E	Jeff	OH	87	120	63	270	47	12690	MRRRC
WC4E	Jeff	FL	126	103	58	287	48	13776		N8EA	Joe	MI	80	109	66	255	47	11985	
KT3Y	Phil	VA	102	94	61	257	49	12593		K9TM	Tim	OH	90	89	36	215	50	10750	MRRRC
K4WX	Don	TN	76	101	80	257	46	11822	TCG#1	K3JT	Terry	WV	111	65	32	208	48	9984	
NA4K	Steve	TN	71	102	72	245	48	11760	TCG#2	WA8WV	Dave	WV	84	96	51	231	42	9702	
NA4GN	Tim	KY	70	107	68	245	48	11760		N8ET	Bill	OH	63	30	62	155	42	6510	MRRRC
AA4GA	Lee	GA	101	94	55	250	47	11750	SEST	K8JM	John	MI	50	88	0	138	44	6072	
W4OC	*Don	SC	93	99	63	255	46	11730	SEST	K8KFJ	Gary	WV	45	67	35	147	41	6027	
K4NO	Greg	AL	96	84	76	256	45	11520	SEST	W8WTS	*Jim	OH	28	52	31	111	37	4107	
NA4CW	Bert	NC	73	112	61	246	45	11070	TCG#1	AA8U	Ugly	MI	35	38	28	101	36	3636	RBT
K4FXN	*Dan	KY	71	101	65	237	43	10191		KG8GW	*Ron	WV	0	37	36	73	30	2190	
W4AU	John	VA	91	84	50	225	45	10125		AA8IV	Rich	OH	0	0	3	3	3	9	
K9AY	*Gary	GA	72	83	40	195	50	9750	SEST	N9RV	Pat	IN	109	136	89	334	47	15698	NCC
W04O	*Ric	TN	63	77	67	207	43	8901	TCG#1	AG9A	Mark	IL	114	129	67	310	50	15500	DLCSCW
K2UFT	*Dick	GA	71	84	38	193	43	8299	SEST	K9NW	Mike	WI	81	126	71	278	47	13066	MRRRC
N4DU	*Jim	GA	66	83	41	190	43	8170		K9AA	*Paul	WI	80	120	55	255	47	11985	DLCSCW
K4LT	Doug	KY	63	127	0	190	42	7980	MRRRC	K9ZO	Ralph	IL	92	98	59	249	48	11952	DLCSCW
K4MX	*Jerí	VA	54	72	58	184	41	7544		K9BGL	Karl	IL	81	97	53	231	47	10857	SMC#2
N4BP	*Bob	FL	119	51	0	170	34	5780	RBT	K9IG	Liz	IN	60	101	78	239	45	10755	DLCSCW
K4MA	Jim	NC	29	68	14	111	41	4551	SEST	K0SN	Tom	WI	62	95	48	205	45	9225	
K4GU	*Mike	AL	14	84	12	110	39	4290		WT9U	*Jim	IN	59	73	65	197	41	8077	DLCSCW
K0EJ	*Mark	TN	24	18	27	69	33	2277	TCG#1	N9SD	Scott	WI	52	76	53	181	39	7059	SMC#2
K5GN	Dave	TX	159	126	73	358	51	18258	TDXS	K9YO	Fred	IL	48	78	16	142	43	6106	DLCSCW
N6ZZ	Phil	NM	158	120	53	331	51	16881	ABT	K19A	Chuck	IL	45	42	50	137	40	5480	SMC#2
N5RZ	Gator	TX	142	120	56	318	48	15264		N9JF	*Pogo	IL	63	61	3	127	41	5207	SMC#2
K5OT	Larry	TX	113	114	61	288	47	13536		K9YA	*Bob	IL	44	55	0	99	41	4059	DLCSCW
N3BB	Jim	TX	121	106	54	281	46	12926	CTDXCCS	KM0O	Tony	MN	80	105	59	244	48	11712	
AD5Q	Roy	TX	113	88	56	257	45	11565		K0OU	Steve	MO	72	104	60	236	45	10620	MRRRC
K5NZ	*Mike	TX	98	104	46	248	46	11408	TDXS	K0AD	Al	MN	79	93	58	230	45	10350	MNWA
K5KA	Ken	OK	76	95	59	230	44	10120	ABT	NA0N	*Pat	MN	80	69	51	200	40	8000	MNWA
W5WMU	Cajun	LA	107	93	25	225	44	9900	CCC	W0UY	*Tom	KS	60	63	27	150	40	6000	DLCSCW
NA5B	*Dave	OK	56	97	34	187	45	8415		KA9FOX/0	*Scott	NE	77	47	0	124	40	4960	SMC#2
KG5U	*Dale	TX	111	68	7	186	45	8370	TDXS	NOXW	*Hel	MN	44	0	0	44	18	792	
KZ5D	Art	LA	81	69	36	186	45	8370	CCC	VE3EJ	John	VE3	88	102	74	264	46	12144	NCC
N5TU	*Earl	TX	99	77	20	196	42	8232	TDXS	VE3IAY	*Rich	VE3	58	50	38	146	39	5694	
K5PI	Rob	TX	72	83	47	202	40	8080	CTDXCC	VE5SF	*Sam	VE5	92	81	20	193	44	8492	
W5ASP	Joe	TX	102	60	37	199	39	7761	TDXS	VE6EX	*Dan	VE6	117	64	14	195	46	8970	
K5TR	Geo	TX	66	55	27	148	41	6068	CTDXCC	XE1/AA6RX	*Dave	XE	33	80	0	113	36	4068	
W5ZR	Bert	LA	81	35	30	146	41	5986	CCC	LY2BTA	Andy	DX	4	54	1	59	24	1416	
N5CQ	John	TX	50	69	32	151	37	5587	CTDXCC	G4BUO	Dave	DX	48	0	0	48	28	1344	
W3DYA	*Norm	TX	55	47	0	102	36	3672		G3SXW	*Roger	DX	41	0	0	41	19	779	
K5TQ	Gary	NM	30	67	2	99	36	3564											