

# February 2005 CW Sprint Results

Boring Amateur Radio Club

Chaos: [ká'äs'] *n* [ < Gr, space ] **1** extreme confusion or disorder **2** state of amateur radio bands during sprint contest—**cha-ot'ic** [ká ät'ik'] *adj.*

The 56th CW Sprint was held on February 14 2005 UTC. Conditions seemed to be good for most everyone, at least on two of the three bands. A total of 49 stations made at least 100 QSOs on 20 meters and another 19 stations made at least 100 QSOs on 80 meters. Stations in the Northeast or black hole (W9/W8 area) probably had some justification for complaining however, as scores from those areas were somewhat depressed.

Activity continues to be very strong—and the chaos factor was indeed high. A factoid that demonstrates this is K1HT logging 255 QSOs, but never working the station who won the contest.

For those of you who have not operated this contest and are wondering why the chaos is so high, you will need to understand the "sprint QSY rule." I once gave a talk at the local radio club about the sprint, and after I was done explaining it, I gave everyone a log sheet and we operated a sprint with the 40 or so people in the room. If you called CQ and someone answered you, you had to take at least 5 steps before you could CQ again, or at least one step if you wanted to answer someone else CQing. Imagine a bunch of grown men tripping over chairs to answer someone CQing before someone else did. Of course, this wasn't everyone's cup of tea, and there were four gentlemen watching this from the back of the room. One of the high points for me was walking up to them and calling CQ with "you don't have to be in the contest to give me a point" added. One of them finally gave me a QSO, probably just to get rid of me shouting in front of them.

Now, imagine doing this on the radio, except instead of taking 5 steps, you have to QSY 5 kHz.

This unique contest rule totally changes the way you operate the contest. No longer do you just get on one frequency and press F1 over and over to work guys. Your best rates occur when you can quickly find someone CQing that you haven't worked, have him come back to you, and then have someone else call you when the QSO is over. Having a perfect "doublet" QSO like this is what sprint operators dream of. It balances operator ability and station capability better than any other contesting format.

Because of the chaos created by this

mode of operation, the rules require that both call signs be sent during the exchange. This helps remove any confusion about who is working whom. It is important to make sure you hear your call sign, as it is very possible the station you think you are working is actually working someone else. Again, it isn't like everyone owns a frequency, so the situation is very dynamic.

## QRP Top Ten

Only three logs using less than 5 W were received this time. Long time QRP Sprint veteran Dale, KG5U, posted another win in this category that he helped pioneer. Dale's 6992 points was well ahead of N0SXX and N6WG, but N0SXX set a new QRP Colorado record. Now that we have the records shown for QRP and low power broken out by QTH, you might see some of the big guns entering this category to establish records in their respective state or Canadian call area. Making 184 QSOs, or even 100 QSOs with 5 W is a very brave act indeed during this contest. Rumor even has it that some of the big guns might take 5 minutes off at the end of the contest, switch off the amplifier and make a QRP entry with the club call sign.

## Low Power Top Ten

The low power category continues to

## Top 10—QSOs

N6TR	427
N2IC	387
W6YI	374
K3LR	371
K5GN	371
K5TR	371
NK7U	363
N2NT	361
N6ZZ	358
N9RV	357

## Top 10 QRP

KG5U	6992
N0SXX	3224
N6WG	2688

## Top 10 Golden Logs

K4RO	307
N0AX	275
K1HT	254
KA9FOX	251
N2GC	243
KV8Q	211
W6YL	195
K7WA	168
NN1N	64
WB2ABD61	

## Top 10—Multipliers

N2IC	46
N2NL	46
N6ZZ	46
K3LR	45
K5GN	45
K5KA	45
K5ZD	45
K6XX	45
N6TR	45
Many	44

## Top 10—Low Power

W4OC	11088
K7SV	10988
NA0N	10865
N0AX	10725
N0AT	10480
N5DO	10440
K3MM	10179
K1HT	10160
WQ5L	10120
KA9FOX	10040

## Top 10 Band Changes

N6TR	171
K5TR	168
N9RV	162
K5GN	154
N2NT	150
W4PA	147
N2IC	118
KU8E	97
NK7U	96
AA3B	93

## Top 10 Scores

	Score	Band Changes	QSOs Lost	00Z	01Z	02Z	03Z
N6TR	19215	171	1	123	117	97	90
N2IC	17802	118	2	112	94	81	100
K3LR	16695	2	3	100	89	91	92
K5GN	16695	154	3	105	99	84	84
N6ZZ	16468	24	1	108	87	73	90
W6YI	16456	92	9	103	98	91	84
K5TR	15953	168	6	115	90	88	78
N2NT	15884	150	4	108	85	88	81
N9RV	15708	162	2	112	91	82	72
NK7U	15609	96	1	104	86	84	89

## Top 10

### Less Than 10 Band Changes

	Score	Band Changes	QSOs Lost	00Z	01Z	02Z	03Z
K3LR	16695	2	3	100	89	91	92
K5KA	14940	2	5	92	76	81	84
K1KI	14872	7	1	94	86	85	73
N6AA	14740	2	2	95	72	86	82
N5OT	14706	2	2	84	91	87	80
K6LL	14238	2	1	95	84	77	83
K6XX	13635	2	3	95	75	69	65
W6YX	13545	2	3	93	72	76	75
K9NW	13440	9	1	84	78	77	81
K6NA	13398	6	2	90	80	78	71

see stiff competition among those trying to make the top ten box, which is much stiffer than the span in the other categories. The difference between the top score and the 10th score was less than 10 percent. Don, W4OC, who was probably your South Carolina multiplier, edged out Larry, K7SV, by a couple of QSOs to take first place. Pat, NA0N, edged out N0AX and N0AT to grab 3rd place. N5DO, K3MM, K1HT, WQ5L and KA9FOX filled out the bottom half of the box.

### High Power Top Ten

Last September, it took N6TR a whole hour to make just one QSO from Alaska using a portable setup. This time, things were a little better for Tree as he made 123 of them in the same period of time. This was one better than the 122 Bill Fisher had during his initial 400+ QSO effort. After a second hour of 119, Tree was well on his way to his second 400 QSO finish. Typically, things really slow down in the 3rd hour, but Tree leveraged his new four-square on 80 meters and managed to work 97 more guys. He cruised past 400 QSOs with 22 minutes left in the contest and finished with 427 QSOs. This was indeed an untouchable effort by Tree, who easily won his 10th CW Sprint.

Steve, N2IC, took second place honors with a comfortable margin above the rest of the pack. This was Steve's 31st top ten showing and he seems to be well established at his new QTH in New Mexico. Steve also moved ahead of N5TJ in the top ten-appearance list. Tim, K3LR, and Dave, K5GN, tied for the third place score—followed closely by Phil, N6ZZ, from New Mexico. Dan, N6MJ, piloted W6YI to a sixth place finish, with N5RZ operating K5TR's station coming in 7th place. N2NT, N9RV and NK7U filled out the rest of the box. Chris, KL9A, who appears in the top ten for the first time, manned NK7U. Congrats, Chris! Since only a very few number of QSOs were made from Idaho, I am sure many people hope you will go back to Idaho next time.

If you look at the next five scores after the top ten, you find W4PA, K5ZD, K5KA, K1KI and N6AA. These five gentlemen have a combined total of 110 top ten finishes. Randy, K5ZD, doesn't miss the top ten very often, having 33 showings by himself. This is another indication of the strong activity, and how tough it is to make the top ten.

We included a new box, showing the top ten with stations that had fewer than 10 band changes. K3LR shows up in both boxes, along with three of the 11th-15th scores previously mentioned.

### Team Competition

The Southern California Contest Club edged out Texas Radio and The Big Bert

### Team Scores

Southern California Contest Club #1	Texas Radio and the Big Bert	Northern California Contest Club #1	PVRC & FRC #1
W6YI 16456	N6TR 19215	N6RO 14706	N2NT 15884
N6AA 14740	K5GN 16695	K6XX 13635	K3NM 13588
K6LL 14238	K5TR 15953	W6YX 13545	N4AF 13115
AC6T 13760	K5ZD 15075	W6EU 12810	K3WW 11970
N6AN 13608	K5GA 14658	N6XI 12505	W2RQ 11856
K6LA 13588	K5NZ 12986	AE6Y 12382	AA3B 11800
K6NA 13398	KM3T 12558	W6RGG 12212	K7SV 10988
W4EF 12852	K2UA 11911	K7NV 11275	K3MM 10179
K6NR 10416	N5PO 11130	AJ6V 10998	W4AU 8320
W6TK 10209	KB5NJD 405	NI6T 10218	
			107700
	133265	130586	124286

- SMC #1 (N9RV, W9RE, K0OU, N9CK, K9ZO, WT9U, KA9FOX, W19WI, K9AY, K9KM) ..... 105805
- SSC #1 (W4PA, K4RO, W4NZ, W4OC, NA4K, N2NL, N4ZZ, K4FXN, KU8E) .... 102178
- Azenmokers (N2IC, N6ZZ, K5KA, N5OT, K5YAA) ..... 76916
- Austin Powers (K5OT, N3BB, W5KFT, N5DO, KZ5D, W5JAW, KG5U, AC5AA) .... 75609
- NCCC #2 (K6AW, N6PN, AD6E, N6ZFO, W6YL, K6SRZ, K6DGW, N6WG) ..... 63021
- CPC (NK7U, N0AX, K17Y, N7LOX, N7WA, K7WA) ..... 60416
- YCCC #1 (K1KI, W1WEF, K1HT, N2GC, W1EBI, W1JQ) ..... 58945
- MRRR (K9NW, KW8N, W1NN, K8BB, K8MR) ..... 50834
- PVRC & FRC #2 (N4ZR, N8NA, K4QPL, K3MD, W3YY, W7YS, K3STX, W3DOS) ..... 49596
- MWA (NA0N, N0AT, K0AD, KT0R, AC0W, WG0M) ..... 45692
- CCO#1 (VE3DZ, VE3KZ, VA3NR, VE3FU, VE3IAY, VE3KP, VE3RZ, VE3RCN) .... 45470
- NCC (K3LR, K8AZ, KL7WV, K3UA, K8NZ) ..... 40060
- SSC #2 (K4NO, WQ5L, AD4EB, K4BAI, AA4LR) ..... 27312
- SCCC #2 (W6SJ, W6KY, NE6I, K6EY) ..... 20643
- NCCC #3 (K6VVA, K6LRN) ..... 20538
- Coathanger (W0ZP, W0RTT) ..... 18258
- GMC (W0ETT, N0SXX, K0UK) ..... 11539
- YCCC #2 (NN1N, K1AR) ..... 2020

for top team honors.

This is the 22nd victory for the well-tanned team, which also set the highest team score last year. The old Independent Contests team that started out with victories in the first nine sprints has the second best total, followed by the Winning Alliance of Sprint People (WASP), which has won eight. The Blues Brothers have won four, and the NCCC and SCC twice each.

Third place went to the Northern California Contest Club, followed by the PVRC/FRC team, SMC #1 and SSC #1, who all had scores over 100K points. One new team we saw this time around was called "Coathanger." No wonder W0RTT and W0ZP were so weak.

History has shown that the most successful way to increase participation in this event is to sponsor a team. The process is easy to do on the Web ([www.ncjweb.com](http://www.ncjweb.com)) and can be done up to the start of the contest.

### Golden Logs

The automated checking process was unable to remove any QSOs from 12 logs. Congrats to K4RO for the only golden log with over 300 QSOs. Considering the level of checking possible in this contest, this is quite the achieve-

ment. A few people had problems with the logging of a station who sent "DC" as his QTH. We tried our best not to ding anyone for this. In the future, it might be worth adding DC to your contest program, so that it counts the same as MD. DC is not a separate multiplier in the sprint and if the name is Rice, it might get confused as Rhode Island by your logging software.

### Records

With the help of Ken "shoeless" Adams, K5KA, N2IC and a few others, we now have the CW Sprint records broken up by power level for each QTH. You will notice that there are many opportunities to establish the first record in many of the QRP categories and even some in the Low Power one. These are best viewed at the *NCJ* Web page [www.ncjweb.com](http://www.ncjweb.com).

Congratulations to Ray, WQ5L, who set a new low power record for Mississippi and Gary, N0SXX, who established the QRP record for Colorado. The only other record set was for the total number of QSOs—427 by N6TR. This was a jump of 22 QSOs over the previous record. You would have to go back to 1979 to see a bigger jump in the QSO record, when N2NT pushed his Febru-

ary mark of 304 QSOs up to 327 in September. One wonders if the confluence of factors will ever occur again to enable someone to break this new record.

### Next Time

The next *NCJ* CW Sprint will be held on September 11 UTC. Will N9RV be able to repeat his victory from last September after having most of his antennas destroyed by an ice storm? Will N6TR once again be in KL7, using a wire hung out of the 3rd floor window of KL7RA's "shack"? Will N5RZ drive to K5TR's house, or operate at home with a hamstick? Will anyone ever be on from North Dakota again in this contest? Will W4OC, K4NO and K4FXN all show up to give us those rare W4 mults? Will anyone new join the 400+ QSO club? Will someone put together a team score to beat the SCCC? Tune in next time.

For team registration, use the *NCJ* Web page at [www.ncjweb.com](http://www.ncjweb.com). Logs are submitted via e-mail to [cwsprint@kkn.net](mailto:cwsprint@kkn.net) and are due seven days after the contest. We do try to accept any logs that are late for a good reason, but once we have turned the crank on the results, having to add another log requires a lot more work. There were several logs that came in more than two weeks after the contest and were not included in the results. At least one of these would have been a new state record.

If you are encouraging someone to operate the sprint for the first time, remember to pass along the Spring Survival Web page URL at [n6tr.jzap.com/sprint.html](http://n6tr.jzap.com/sprint.html). This page has detailed examples of actual sprint QSOs, including sound files.

### Soapbox

—Only about 10 minutes of operating. I had a back injury that hasn't fully healed. After 10 minutes in the chair, I'd had enough. It was a fun 10 minutes, though. Next time.—*AA4LR*

—Twenty meters completely dead here. Forty meters wasn't in great shape, but I scratched around for 30 minutes working the louder stations but decided it wasn't a good year for an entry from Europe! Kudos to N9RV W2MUM N2NT AA4GA who came back to my CQs.—*G4BUO*

—Heard but did not work UT. Never heard close mults like IA, NE, AR. Best 4 hours in radio.—*K0OU*

—Nice little contest you fellows run.—*K1AR*

—Challenging propagation from New England. I don't recall ever arriving so often at the wrong time in QSOs in progress. I must have been one of the few stations that N6TR did *not* work.—*K1HT*

—This was my first serious attempt at competing in the NA Sprint on CW. My hat goes off to all the FB ops out there with such impressive CW skills!—*K1KD*

—Lost around 10 QSOs when the cat unplugged the linear and computer, which are temporarily set-up upstairs.—*K3MD*

—Missed KY! Didn't do as well as I planned due to: a: antennas; b: propagation; c: operator; d: all of the above. Answer d.—*K4FXN*

—Congrats to Tree on an amazing QSO total!—*K4RO*

—Always a great contest. Well worth the 5.5 hour drive to operate at Geo's. Congrats to the great ops and thanks to all for the QSOs.—*K5TR*

—I was stuck in alternate universe where no one would answer my CQs and I was beat out almost every time! —*K5ZD*

—TS-870S, AL-80B at 800W, A3 at 30 feet, 40-meter loop at 35 feet/80-meter Windom at 42 feet. I really wanted to haul my stuff down to N6IJ and use the antennas there but didn't have time. Another Little Pistol Contest Station effort here. Developed a splitting headache after the first hour, which was the pits, but still had fun. Sure are a lot of sharp operators in the CW Sprint! Had a side-contest with K7NV for beers in Visalia over who would find who first S&P. I won first on 20 meters, but Kurt socked it to me on 40 and 80 meters.—*K6VVA*

—Suffering from a bout of the flu. Started great, but tired very quickly.—*K6XX*

—Let's do it again real soon!—*K7SV*

—This one will get your blood pressure up! Didn't get to op much due to Valentine's Day festivities.—*KB5NJD*

—Could have used SO2R capability this time.—*KM3T*

—Great ops. Thanks again. See you all next time.—*KT0R*

—Whew! What a hoot! See you all in the next one.—*KV8Q*

—The collision with the RTTY WPX on 40 was pretty massive! Pretty good activity this time—lots of new calls. Now to just get 'em in the log! Didn't hear a couple of the usual mults. The 300 barrier will eventually fall.—*N0AX*

—Congratulations to Tree on yet another

outstanding performance. "Even on my favorite table he can beat my best." Ward, can you help me out here? Thanks to all of you for another 4 hours of the highest octane radio fun available. It is great to have broken through the 300 QSO barrier again. My first two hours were OK with 180 Qs in the log. Then things really slowed down. Somehow I cannot sustain the rate going into the third hour and if the pace doesn't pick up on 80 during the last 60 minutes, my second half falls short. One of these days I'll crack 350! One radio, 3 antennas, one amplifier, and about 10 band changes made manually. How do you guys manage two radios at this frenetic pace? I know, I know. The same way you get to Carnegie Hall.—*N6AN*

—This was my best Sprint by a long stretch. I had 55% more QSOs, finally breaking through the 100 QSO barrier and 77% more score points. Tonight I'm enjoying the ol' Happy Dance. I was surprised how well my short 40-meter dipole did on 80 meters. That's not a lot of wire for this band. Eighty meters was noisy here, so I used my 160-meter flag loop for receiving and had no problem hearing anyone I worked. As always, CQing wasn't the best use of my time. I did better when I did the S&P thing, once I caught the rhythm of the game. I also tried to get repeats on numbers and names I wasn't sure of. We'll see if that helps when my log gets into the hands of the Scoring Gods. Anyway, it was fun, it was intense, and it's over. See you all in the ARRL DX contest.—*N6WG*

—New excuse: Lack of sleep! I blew off four QSOs by doing silly things like pushing the wrong button or QSYing before logging the contact.—*N6XI*

—Bands were reasonably good, but very long skip. It sure got rough in spots; had a 5-minute gap with no QSOs! I sure missed my 40-meter Yagi.—*N9RV*

—Chased K6LL around 80 for the AZ mult. No joy. Got KC7V instead with 5 mins to go! Low power and wet noodle antennas suck in Sprint, but they are better than nothing at all!—*NE6I*

—Wow, what a circus! Can't wait till next one.—*W0ZP*

—Some day I'll get the hang of this one.—*W1JQ*

—Thanks to N2BA for use of his station.—*W1NN*

—This contest rocks!—*W2RQ*

—Hardly a brilliant showing, but still a lot of fun, made all the more interesting that my day began in Switzerland at 0300 EST.—*W3EF*

—My second Sprint. What a hoot!—*W6SJ*



**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
K5ZD	RANDY	MA	108	113	114	335	45	15075	TR and Bert	K6VVA	RICK	CA	124	105	37	266	42	11172	NCCC #3
K1KI	TOM	CT	114	105	119	338	44	14872	YCCC #1	AJ6V	ED	CA	118	108	56	282	39	10998	NCCC #1
W1WEF	JACK	CT	108	109	96	313	41	12833	YCCC #1	N6PN	MATT	CA	85	121	60	266	40	10640	NCCC #2
KM3T	OJ	NH	88	114	97	299	42	12558	TR and Bert	K6NR	DANA	CA	102	98	48	248	42	10416	SCCC #1
K1HT	*DAVE	MA	80	100	74	254	40	10160	YCCC #1	AD6E	AL	CA	113	93	41	247	42	10374	NCCC #2
W1EBI	GEO	MA	56	69	73	198	39	7722	YCCC #1	N16T	AL	CA	105	94	63	262	39	10218	NCCC #1
NY1S	*JOE	ME	50	61	56	167	37	6179		W6TK	DICK	CA	110	72	67	249	41	10209	SCCC #1
K1KD	GRANT	VT	53	68	56	177	34	6018		N6ZF0	*BILL	CA	103	102	44	249	40	9960	NCCC #2
W1JQ	*MIKE	CT	32	35	30	97	35	3395	YCCC #1	K6LRN	DICK	CA	68	99	56	223	42	9366	NCCC #3
NN1N	DAVE	CT	26	16	22	64	22	1408	YCCC #2	N6NF	TOM	CA	93	60	36	189	40	7560	
K1AR	JOHN	NH	0	0	34	34	18	612	YCCC #2	W6YL	SCOTT	CA	86	76	33	195	36	7020	NCCC #2
W2JU	*ALEC	CT	0	0	17	17	13	221		K6SRZ	ALAN	CA	79	92	6	177	38	6726	NCCC #2
N2NT	ANDY	NJ	101	155	105	361	44	15884	PVRC & FRC #1	W6SJJ	*RANDY	CA	84	78	19	181	36	6516	SCCC #2
K2UA	RUS	NY	61	98	118	277	43	11911	TR and Bert	W6KY	*ART	CA	66	65	43	174	37	6438	SCCC #2
W2RQ	BILL	NJ	72	111	121	304	39	11856	PVRC & FRC #1	NE6I	*DENNIS	CA	63	55	16	134	33	4422	SCCC #2
W1NN	HAL	NY	95	101	82	278	42	11676	MRRC	K6DGW	*FRED	CA	53	41	30	124	33	4092	NCCC #2
W2LC	SCOTT	NY	81	115	69	265	40	10600		K6EY	*BECKY	CA	66	33	0	99	33	3267	SCCC #2
N2GC	MIKE	NY	62	81	100	243	41	9963	YCCC #1	N6WG	*BOB	CA	39	35	22	96	28	2688	NCCC #2
K2QMF	TED	NY	54	61	57	172	38	6536		N7CW	*BUD	CA	62	0	0	62	31	1922	
WB2ABD	*PAUL	NY	0	61	0	61	30	1830		K6CSL	BERT	CA	13	18	7	38	18	684	
K3NM	JOHN	PA	103	120	93	316	43	13588	PVRC & FRC #1	N6TR	TREE	OR	159	161	107	427	45	19215	TR and Bert
K3WW	CHAS	PA	85	112	88	285	42	11970	PVRC & FRC #1	NK7U	JOE	OR	139	126	98	363	43	15609	CPC
AA3B	BUD	PA	84	121	90	295	40	11800	PVRC & FRC #1	W7VJ	ANDY	WA	127	141	65	333	43	14319	
K3MM	*TY	MD	82	91	88	261	39	10179	PVRC & FRC #1	K6LL	DAVE	AZ	126	124	89	339	42	14238	SCCC #1
N8NA	*KARL	DE	65	77	88	230	37	8510	PVRC & FRC #2	K4XU	DICK	OR	108	110	77	295	42	12390	
K3MD	JOHN	PA	68	69	74	211	37	7807	PVRC & FRC #2	K7NV	KURT	NV	115	99	61	275	41	11275	NCCC #1
W3EF	*AL	MD	39	76	58	173	37	6401		N0AX	*BILLOJ	WA	105	109	61	275	39	10725	CPC
N3GJ	GEO	PA	21	54	92	167	38	6346		K17Y	JIM	OR	129	94	47	270	37	9990	CPC
K3STX	*PAUL	MD	24	18	40	82	30	2460	PVRC & FRC #2	N7LOX	*BRIAN	WA	109	81	58	248	39	9672	CPC
K3UA	*PHIL	PA	0	35	36	71	30	2130	NCC	N7WA	*DINK	WA	88	100	50	238	38	9044	CPC
W3DOS	RICE	MD	35	15	0	50	15	750	PVRC & FRC #2	KL7WV	TIM	AK	109	102	12	233	39	8697	NCC
W4PA	SCOTT	TN	103	152	99	354	44	15576	SSC #1	K7WA	*JIM	WA	89	50	29	168	32	5376	CPC
N4AF	AL	NC	72	129	104	305	43	13115	PVRC & FRC #1	W7YS	*BILL	AZ	57	73	18	148	34	5032	PVRC & FRC #2
K4RO	KIRK	TN	79	123	105	307	42	12894	SSC #1	W7J	BILL	WA	42	29	23	94	32	3008	
K4NO	GREG	AL	99	102	85	286	41	11726	SSC #2	KC7V	*MIKE	AZ	0	53	43	96	29	2784	
W4NZ	TED	TN	77	93	91	261	44	11484	SSC #1	*W6PX	*JIM	OR	39	6	9	54	22	1188	
W4OC	*DON	SC	88	92	84	264	42	11088	SSC #1	W3CP	*JIM	OR	14	21	14	49	21	1029	
K7SV	*LARRY	VA	61	121	86	268	41	10988	PVRC & FRC #1	N7VS	*STEVE	OR	16	0	0	16	11	176	
NA4K	STEVE	TN	85	106	95	286	38	10868	SSC #1	KW8N	BOB	OH	70	121	97	288	42	12096	MRRC
N2NL	DAVE	FL	95	138	0	233	46	10718	SSC #1	K8AZ	JOHN	OH	87	103	88	278	41	11398	NCC
N4ZZ	DON	TN	68	108	91	267	39	10413	SSC #1	N4ZR	PETE	WV	64	120	77	261	38	9918	PVRC & FRC #2
K4FXN	DAN	KY	62	101	88	251	39	9789	SSC #1	KV8Q	*TOM	OH	60	53	98	211	41	8651	
KU8E	*JEFF	GA	77	118	51	246	38	9348	SSC #1	K8BB	DON	MI	55	79	76	210	37	7770	MRRC
K4QPL	JIM	NC	58	74	90	222	38	8436	PVRC & FRC #2	K8MR	JIM	OH	11	58	85	154	38	5852	MRRC
W4AU	JOHN	VA	74	69	65	208	40	8320	PVRC & FRC #1	W8WTS	*JIM	OH	38	41	42	121	35	4235	
W3YY	BOB	VA	64	60	39	163	41	6683	PVRC & FRC #2	W8TM	*PAUL	OH	46	82	1	129	30	3870	
N5VI	*VAN	GA	61	48	40	149	35	5215		N9RV	PAT	IN	106	146	105	357	44	15708	SMC #1
K1GU	*NED	TN	45	43	38	126	36	4536		K9NW	MIKE	IN	82	114	124	320	42	13440	MRRC
AA4GA	*LEE	GA	55	44	0	99	33	3267		W9RE	MIKE	IN	99	99	111	309	38	11742	SMC #1
N4CW	*BERT	NC	0	43	49	92	35	3220		N9CK	STEVE	WI	70	106	104	280	41	11480	SMC #1
AD4EB	*JIM	TN	23	20	45	88	31	2728	SSC #2	K9ZO	RALPH	IL	81	108	78	267	42	11214	SMC #1
K4BAI	JOHN	GA	0	9	76	85	32	2720	SSC #2	WT9U	JIM	IN	80	93	92	265	41	10865	SMC #1
N4BCB	*BRUCE	AL	26	29	24	79	29	2291		KA9FOX	*SCOTT	WI	77	83	91	251	40	10040	SMC #1
K8NZ	*RON	FL	44	13	0	57	20	1140	NCC	K9MMS	*GARY	IL	74	90	78	242	38	9196	
AA4LR	*BILL	GA	6	0	0	6	3	18	SSC #2	W19WJ	JIM	WI	59	99	71	229	39	8931	SMC #1
N2IC	STEVE	NM	149	143	95	387	46	17802	Azenmokers	K9AY	GARY	WI	57	86	79	222	38	8436	SMC #1
K3LR	TIM	OK	127	129	115	371	45	16695	NCC	KK9K	RON	WI	35	51	82	168	38	6384	
K5GN	DAVE	TX	132	143	96	371	45	16695	TR and Bert	K9QVB	*JOHN	IL	14	86	54	154	40	6160	
N6ZZ	PHIL	NM	132	150	76	358	46	16468	Azenmokers	K9KM	*HOWIE	IL	28	71	64	163	36	5868	SMC #1
K5TR	GEO	TX	130	153	88	371	43	15953	TR and Bert	K1TN	*JIM	IN	37	7	0	44	18	792	
K5KA	KEN	OK	118	119	95	332	45	14940	Azenmokers	WW9R	PAT	WI	4	17	0	21	10	210	
N5OT	MARK	OK	126	116	100	342	43	14706	Azenmokers	K0OU	STEVE	MO	88	130	63	281	41	11521	SMC #1
K5GA	BILL	TX	116	131	102	349	42	14658	TR and Bert	NA0N	*PAT	MN	65	116	84	265	41	10865	MWA
K5OT	LARRY	TX	118	104	94	316	42	13272	Austin Powers	W0ZP	WAYNE	CO	87	123	66	276	38	10488	Coathanger
N3BB	JIM	TX	105	109	98	312	42	13104	Austin Powers	NOAT	*RON	MN	84	100	78	262	40	10480	MWA
W5KFT	ROB	TX	114	119	93	326	40	13040	Austin Powers	KOAD	AL	MN	82	104	63	249	42	10458	MWA
K5YAA	JERRY	OK	106	119	100	325	40	13000	Azenmokers	KT0R	DAVE	MN	51	89	76	216	41	8856	MWA
K5NZ	MIKE	TX	120	99	83	302	43	12986	TR and Bert	W0RTT	*PETE	CO	80	78	52	210	37	7770	Coathanger
N5PO	LEE	TX	86	106	73	265	42	11130	TR and Bert	W0ETT	*KEN	CO	92	53	50	195	37	7215	GMC
N5DO	*DAVE	TX	88	108	65	261	40	10440	Austin Powers	K4IU	*FRED	MN	25	49	63	137	36	4932	
WQ5L	*RAY	MS	95	101	57	253	40	10120	SSC #2	KMOO	*TONY	MN	57	68	0	125	32	4000	
KZ5D	ART	LA	90	98	57	245	38	9310	Austin Powers	N0SXX	*GARY	CO	58	39	7	104	31	3224	GMC
W5JAW	*JIM	TX	58	104	47	209	39	8151	Austin Powers	AC0W	*MOO	MN	31	60	18	109	29	3161	MWA
N5ZK	JOE	TX	85	71	34	190	41	7790		W60M	*MIKE	MN	36	35	1	72	26	1872	MWA
KG5U	**DALE	TX	80	70	34	184	38	6992	Austin Powers	K0UK	*BILL	CO	23	18	9	50	22	1100	GMC
AC5AA	*DUANE	TX	22	28	2	52	25	1300	Austin Powers	VE3DZ	YURI	VE3	63	94	107	264	40	10560	CCO #1
W5GN	BARRY	TX	0	11	15	26	18	468		VE3KZ	BOB	VE3	51	77	70	198	39	7722	CCO #1
KB5NJD	*JOHN	TX	25	2	0	27	15	405	TR and Bert	VA3NR	*CHRIS	VE3	38	67	67	172	36	6192	CCO #1
W6YI	JIM	CA	123	151	100	374	44	16456	SCCC #1	VE3FU	*CHRIS	VE3	36	61	68	165	36	5940	CCO #1
N6AA	DICK	CA	143	121	71	335	44	14740	SCCC #1										