

Results of the 30th North American CW Sprint

By Trey Garlough, WN4KKN/6

The Midwest was well represented in the 30th running of the North American Sprint, thanks to the efforts of Dave Patton, WX3N (then AA9AK), and the Society of Midwest Contesters, who put five teams on the air. Ralph Bellas, K9ZO, raised the concern, "I'm not sure that having so many midwest stations active helped or hindered us, but it was great to hear the activity." Who cares? Organizing a massive amount of activity from the midwest really did nothing for the event. Not!

Five ops from states in the heart of the Black Hole bid "73" to state records in South Dakota, Iowa, Wisconsin, Illinois and Indiana. The added Midwestern activity sent ripples into other parts of the country, making scores higher. A record total of 70 stations reached the 10,000 point plateau. Because of the Midwest caper, 160 logs were submitted this time. That's a lot of activity. In fact, 332 different call signs were logged by top ten scorers in the event.

Perhaps this explains how it is possible for Jeff Steinman, KR0Y/5, to finish with 375 QSOs. Jeff has now won the contest enough times that the contest committee has voted to change the event's name from The North American Sprint to "Jeff's World." Not!

Dave McCarty, K5GN, showed up in second place with big numbers and Trey Garlough, WN4KKN/6, placed third with a nice effort from the West Coast.

In the team competition, the Southern California Contest Club #1 team finished champs once again, but their 132,304 points fell just shy of the team record of 134,084 set by the independent Blues Brothers team of a few years back. Finishing in a strong second was the Northern California Contest Club #1 group, also with a mostly local group.

A lot of people have asked about the log checking. Here's some of what happens: When your log arrives, it is given a line-by-line visual inspection for obvious errors, such as N2BA's name recorded as Sal rather than Hal, or someone working N5RZ in the last five minutes and copying his number as #37. Then the claimed scores are entered into the computer. Once the log deadline arrives, the top 15 or 20 logs plus a few for spot checking are keyed into the computer. Then this information is munged into log extracts for the 350 or so people who were on the bands. A side-by-side comparison is done between the computer-generated logs and the submitted logs. Then all the errors

Reminder

The next running of the North American Sprints will be:

CW—September 6 (Sep 5 local)

Phone—September 13 (Sep 12 local)

See January/February 1992 *NCJ* for complete rules.

Multiplier Leaders

K5GN	48
K5RC	48
KR0Y/5	47
N6TJ	47
WN4KKN/6	47
N0BSH/9	46
N6AA	46
N6TV	46
N6VR	46
N6XI	46

Top Ten QSOs

Call	Name	20	40	80	QSOs	Mu	Score	Team	Area
KR0Y/5	Jeff	171	125	79	375	47	17,625	Lizards	TX
K5GN	Dave	155	108	86	349	48	16,752	TX	
K3LR	Tim	129	117	88	334	45	15,030	NCC #1	PA
K3UA/8	Phil	125	131	76	332	43	14,276	NCC #1	OH
K5ZD/3	Randy	124	123	83	330	43	14,190	NCC #1	PA
K7SS	Dan	120	141	68	329	42	13,818	Lunatic	WA
KZ2S	John	125	108	96	329	42	13,818	FRC	NJ
N6TR/7	Trey	137	122	70	329	43	14,147	SCCC #1	OR
WN4KKN/6	Tree	149	97	81	327	47	15,369	NCCC #1	CA
K6NA	Glen	136	103	87	326	41	13,366	SCCC #1	CA

Team Competition

Southern California Contest Club #1	Northern California Contest Club #1	FRC Domestic	North Coast Contesters #1
N6AA 14,858	WN4KKN/6 15,369	N2NT 14,080	K3LR 15,030
N6TR/7 14,147	N6TV 14,214	KZ2S 13,818	K3UA/8 14,276
N6TJ 13,959	N6RO 12,780	W2RQ 12,120	K5ZD/3 14,190
K6NA 13,366	N6XI 12,696	AA3B 11,550	N8AA 10,290
W6YA 13,156	W6OAT 12,222	K2TW 10,988	K8CX 9,954
N6ZZ 12,857	VE7NTT 11,550	K3WW 10,686	K8NZ 9,675
K6LL/7 12,771	WA6AUE 11,480	K2PS 10,619	W8KIC 9,061
N6ND 12,560	N7NG 10,175	KE2PF 10,260	W9XR/3 7,000
W6AQ 12,348	W6RGG 9,920	N8NA/3 8,568	Total 89,476
N6VR 12,282	AJ6V 9,471	Total 102,689	
Total 132,304	Total 119,877		

5. Texas DX Society (K5GA, K5RC, AD5Q, W5ASP, K5TU/0, AC5K, KV6O/5, KE4GY, KN5H/8, NZ5I).....84,561
6. Lunatic Fringe (K7SS, W7WA, K7WA, KR7G, N0AX/7, K7CW, N7LOX, WA0RJY/7, WA7UVJ).....75,576
7. Mad River Radio Club (WD8IXE, KW8N, KU8E, K8MR, W8FN, AA8AV, K8JM, WD8LLD).....67,244
8. Southern California Contest Club #2 (K6XO/7, NC6U, N4EA/6, W6UQF, W6MVW, AH3C/7).....60,027
9. Tornados Are Us (NC0P, WX9U, N0AT, KM0O, KE9I, WX9E).....56,128
10. Murphy's Mauraders (K1TO, K1KI, N2BA, W1WEF, NJ2L/1, W1RM).....52,568
11. Maryland Morse Mafia (W3LPL, WB2EKK/3, KT3Y/4, KE3Q, W3YY/4).....51,499
12. Dead Lizards Can't Send CW (KR0Y/5, KE0OL, KA9FOX, K9MMS, KC9EE, AJ9C, WB9TIY, K4XU/0).....49,279
13. Inorganic Nines and Zeros (AG9A, WD0T, K9FD, K0IJL, NA1R/9, KG9N).....39,567
14. Corn, Cows, and a Big Black Hole (K9ZO, KB9S, WB9HRO, WD9GGY, N9XX, N9JF).....33,294
15. Northern California Contest Club #2 (W1FEA/6, W6XX, W0ZZ/6, K6LRN).....32,382
16. Team Fla (WC4E, WD4AHZ, K1ZX/4).....23,061
17. Venus Bounce Enthusiasts (N0BSH/9, KA6A/9).....15,748
18. North Coast Contesters #2 (K3MD, KB3X/8).....12,420
19. Southern California Contest Club #3 (KY7M).....12,013

and penalties are tabulated and the final info is keyed into the computer for processing.

After all of the mechanical checks are complete, the logs are looked at for "reasonableness." That's a log checker's term for instinctively sniffing out problems. The bottom line is that if you think your score puts you in the top 20, send a disk. Your log will be added to the computer data base. Some people always do well and send disks: KR0Y, N6AA and N5RZ immediately come to mind. Some people always do well and they refuse to submit disks. Even if you do the contest on paper and your post-processing ritual involves typing call signs and band data into a machine, send the data. It is useful, especially if you are one of the top 20 guys.

One final comment about log checking: Sending a floppy diskette with your log does not put you at a log checking disadvantage in this contest; never has, never will. The committee is smart enough not to permit that to happen. Many thanks to the committee members who spent their personal time doing data entry. (Yuck!) Your assistance is greatly appreciated.

The September event is scheduled for the 5th, local time. Hope to see you there.

Soapbox

Never thought a verbal and 150 watts could do this well. No computer, no memory keyer, no watts . . . boy, I gotta get my act together.—K7GM/5. My station consists of a TS-440S/AT and a 20 meter wire delta loop at 40 feet (peak).—XE1/AA6RX. How about if we all set our clocks by WWV 15 minutes before the contest and then begin exactly at 0000Z and not before? It's very dismaying to sit there waiting for 0000Z to come around and hear the band come alive with guys working each other before the beginning of the contest.—K8HVT/1 (op of N2BA). It's been ten years since my last Sprint! After three hours of fumbling, I finally figured out what I was doing wrong, then found myself on 80 meters with nobody hearing my CQs!—AH3C/7. Finally broke the 300 QSO barrier!—AA5B. The four-hour Sprint is the ultimate in contest "rush/per hour."—K7SS. First Sprint in a while without a 40-meter beam and using my own loong call. Yech on both counts.—WB2EKK/3. First Sprint in many years and wires only!—N2NT. Mults eluded me.—VE4VV was the only one heard but not worked.—W1WEF. Boy what "pathetic" conditions up here!—VE4VV. Increased score 50 Qs by switching back to manual logging. Computer logging is okay for Sweepstakes, but very tough for Sprint because of QSY rule.—NC6U. Note: Results from September Sprint has me listed as SCCC—wrong! I am NCCC.—K6LRN. I have moved twice since returning from England as G0/K5TU in July, 1990. I lived in Tulsa for a year, then moved up here to the land of Oz. I confused everybody last year by sending OK (when they had memorized TX) and now in KS! This was my first Sprint with a TS-930S barefoot. The only antenna I have up is a ground mounted Butternut HF6V. Best signal into Kansas was a dead even tie between W3LPL on 40 and K5GN on 20.—K5TU/0. My

best results ever. Totally enjoyed the 240 minutes. What great ops. Tricky, tricky: WN4KKN Tree and N6TR Trey. At least no QTPIE.—W6MVW. I had the flu and a crummy combination of "IE" in name and I didn't do too bad! Happy Valentines Day Q-T-PIE!—WD9GGY. Tree and Trey traded names—hope everybody caught on!—AD5Q. My first Sprint thanks to AA9AK. What a humbling experience—but fun! Next time: full time and a little more preparation.—K0JL. Hard to keep the rate up when everyone is beaming east/west—don't forget to take a listen down south, guys!—XE1/NV1P. Tried to work someone on 146.52 driving to the Pixies show—no success.—W9WI/4. Thanks to K9ZO and SMC for the special invite to CW Sprints! Sorry I didn't make more QSOs. I did not know how bad my CW was until I got on for this!—KG9N. Low power—100 watts.—VE5SF. Good conditions here.—WB9HRO. Worked VY1 but missed MA!—K8MR. Would you believe? Forgot Sprint . . . hour late start.—K9FD. I threw away the computer and added 55 QSOs over the last Sprint. Good ol' pencil and paper.—K2PS. This looks like my last Sprint from Idaho. Will be moving 15 miles away to EWA section this summer. See you in the September Sprint.—W3AS/7. How the Hell did I get talked into this?—KC9EE. I vote for a May Sprint—I always miss September.—WA6AUE. Good multipliers gave me my best Sprint yet!—KM0L. It was lots of fun as usual.—N5CG. Still hooking up the computer at 0003! Most stations ever to work; guess I'm not fast enough to work them.—N6VR. GOOD CONDITIONS!—W5NR. Conditions were excellent this time!—NA4K. RFI problems caused this to be my first entry using 100 W. It was still a good time.—K8AZ. Ouch! No WY, no ID, no MT!—N7NG. Thanks to Tony, NC0P, for letting me use his fine station. The 40-meter antenna was the pieces of his broken three-element Yagi hanging down the sides of his tower at 160 feet! It worked great!—AA9AK (op of NC0P). It was nice to finally combine decent Q's and decent mults, despite the weird conditions.—N0BSH/9. My first Sprint in two years—great to be back!—KZ2S. I may sound like an old fart but after 20 minutes of running, it appeared that everyone was going much faster than they can type. Is it possible in the age of computers and MASTER.DAT files, the contest has degenerated into my computer vs. your computer? My secret weapon next CW test will be a tape of the proceedings for extrac-

New Records

Area	Call	QSOs	Mul	Score
IA	NC0P	320	43	13,440
SD	WD0T	279	43	11,997
VT	N4DW/1	226	41	9,266
PA	K3LR	334	45	15,030
NM	AA5B	311	43	13,373
TX	KR0Y/5	375	47	17,625
CA	WN4KKN/6	327	47	15,369
WA	K7SS	329	42	13,818
IL	AG9A	297	43	12,771
IN	W9RE	273	44	12,012
WI	N0BSH/9	283	46	13,018
LY	LY2ZO	37	20	740

Where the QSOs Went

Call	Claimed	NIL	Bust	Dupe	Final
KR0Y/5	380	0	5	0	375
K5GN	350	0	1	0	349
WN4KKN/6	330	0	3	0	327
K3LR	339	1	3	0	334
N6AA	324	0	1	0	323
K3UA/8	333	0	1	0	332
N5RZ	327	0	3	0	324
N6TV	310	0	1	0	309
K5ZD/3	332	0	2	0	330
N6TR/7	329	0	0	0	329

Claimed: QSOs claimed

NIL: Not in other station's log (carries a one-QSO penalty)

Bust: Miscopied exchange

Dupe: Duplicate QSO

Final: Corrected QSO total

tion of pertinent QSO data later—just calls please, I'll get your 45 WPM data into the machine Sunday afternoon.—K4XU/0. My second CW Sprint . . . score did not improve much! I must learn the Sprint-mode of operation.—K9MMS. Long live the FRC Hobos!—KE2PF. Almost missed the entire first hour because of a ski trip. Oh well, next time!—W1FEA/6. I'm not sure that having so many midwest stations active helped or hindered us, but it was great to hear the activity.—K9ZO. My best "ever". If I had gotten started at 00:00 I would have broken 300. Arrgh!—WA6OTU (op of W6AQ). This contest is the closest thing we have to slam dancing!—WA0RJY/7. Ten more Qs than last Feb. RF probs on 80.—K3MD. Really enjoy the Sprint—now it I could only find a way to generate a bigger score.—K8JM. Looks like minimum top-10 score is advancing faster than my rate of increase.—WB2EKK/3.

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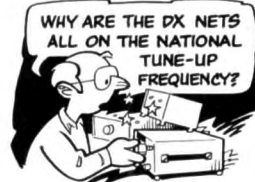


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Scores

Call	Name	20	40	80	QSOs	Mu	Score	Team	Area	Call	Name	20	40	80	QSOs	Mu	Score	Team	Area
NC0P (AA9AK, op)	Dave	119	114	87	320	42	13,440	Tornados	IA	N4EA/6	Don	112	85	39	236	44	10,384	SCCC #2	CA
WD0T	Todd	117	94	68	279	43	11,997	Inorganic	SD	W6RGG	Bob	114	87	47	248	40	9,920	NCCC #1	CA
KM0L	Steve	105	103	43	251	45	11,295		MO	AJ6V	Ed	104	93	34	231	41	9,471	NCCC #1	CA
N0AT	Ron	100	116	53	269	40	10,760	Tornados	MN	W6UQF	Chas	129	59	38	226	41	9,266	SCCC #2	CA
KM0O	Tony	96	92	49	237	38	9,006	Tornados	MN	W6MVV	Dick	104	80	34	218	42	9,156	SCCC #2	CA
KE0OL	Paul	97	76	33	206	41	8,446	Lizards	MN	W1FEA/6	Jack	81	87	56	224	38	8,512	NCCC #2	CA
K5TU/0	Kim	93	89	32	214	39	8,346	TDXS	KS	W6XX	Pete	79	85	42	206	40	8,240	NCCC #2	CA
KD0ZR	Larry	59	53	41	153	35	5,355		CO	W0ZZ/6	John	116	66	42	224	36	8,064	NCCC #2	CA
K0IJL	John	70	70	8	148	35	5,180	Inorganic	MN	K6LRN	Dick	81	84	29	194	39	7,566	NCCC #2	CA
K0JPL	Paul	50	50	34	134	34	4,556		MO	N6NF	Tom	73	42	16	131	29	3,799		CA
K4XU/0	Dick	21	0	0	21	15	315	Lizards	MO	N6RZ	Stu	31	34	22	87	21	1,827		CA
										NR6E	Dave	25	25	5	55	22	1,210		CA
K1TO	Dan	119	109	90	318	42	13,356	Murphy	CT	N6TR/7	Trey	137	122	70	329	43	14,147	SCCC #1	OR
K1KI	Tom	132	56	90	278	43	11,954	Murphy	CT	K7SS	Dan	120	141	68	329	42	13,818	Lunatic	WA
W1WEF	Jack	108	105	81	294	39	11,466	Murphy	CT	K6LL/7	Dave	124	117	56	297	43	12,771	SCCC #1	AZ
N4DW/1	Dave	99	104	23	226	41	9,266		VT	KY7M	Lee	120	100	73	293	41	12,013	SCCC #3	AZ
NJ2L/1	Rus	31	40	33	104	30	3,120	Murphy	CT	W7WA	Dan	114	106	67	287	39	11,193	Lunatic	WA
W1RM	Pete	24	30	0	54	22	1,188	Murphy	CT	K6XO/7	Al	102	108	56	266	42	11,172	SCCC #2	UT
NX1T	Doug	11	34	9	54	21	1,134		ME	N7NG	Wayne	112	93	70	275	37	10,175	NCCC #1	WY
										K7WA	Jim	124	68	36	228	41	9,348	Lunatic	WA
N2NT	Andy	130	127	63	320	44	14,080	FRC	NJ	KR7G	Bob	121	74	45	240	38	9,120	Lunatic	WA
KZ2S	John	125	108	96	329	42	13,818	FRC	NJ	AH3C/7	Pete	113	81	39	233	39	9,087	SCCC #2	UT
W2RQ	Bill	102	127	74	303	40	12,120	FRC	NJ	KQ7I	Jeff	94	75	41	210	39	8,190		OR
N2BA	Hal	109	89	63	261	44	11,484	Murphy	NY	N0AX/7	Ed	118	68	36	222	35	7,770	Lunatic	WA
	(K8HVT, op)									K7CW	Paul	176	39				6,864	Lunatic	WA
K2TW	Tom	100	100	68	268	41	10,988	FRC	NJ	N7LOX	Brian	98	65	31	194	35	6,790	Lunatic	WA
K2PS	Pete	96	93	70	259	41	10,619	FRC	NJ	KI7Y	Jim	107	40	19	166	36	5,976		OR
KE2PF	Hobo	80	121	69	270	38	10,260	FRC	NJ	WA0RJY/7	Jack	93	40	19	152	37	5,624	Lunatic	WA
WA4VKD/2	Curt	37	66	39	142	32	4,544		NY	WA7UVJ	Mike	81	49	23	153	33	5,049	Lunatic	WA
										NQ7M	Pat	137	33				4,521		WA
K3LR	Tim	129	117	88	334	45	15,030	NCC #1	PA	W3AS/7	Doug	89	10	0	99	28	2,772		ID
K5ZD/3	Randy	124	123	83	330	43	14,190	NCC #1	PA										
W3LPL	Frank	113	118	77	308	43	13,244	Mafia	MD	K3UA/8	Phil	125	131	76	332	43	14,276	NCC #1	OH
WB2EKK/3	John	112	85	78	275	45	12,375	Mafia	MD	WD8IXE	Steve	102	112	70	284	42	11,928	MRRC	OH
AA3B	Bud	100	103	72	275	42	11,550	FRC	PA	KW8N	Bob	116	94	65	275	43	11,825	MRRC	OH
KE3Q	Rich	93	123	56	272	40	10,880	Mafia	MD	KU8E	Jeff	88	103	82	273	43	11,739	MRRC	OH
K3WW	Chas	97	107	70	274	39	10,686	FRC	PA	K8MR	Jim	105	87	80	272	42	11,424	MRRC	OH
K3MD	John	71	91	53	215	41	8,815	NCC #2	PA	N8AA	John	102	91	52	245	42	10,290	NCC #1	OH
N8NA/3	Karl	103	48	53	204	42	8,568	FRC	DE	K8CX	Tom	91	87	59	237	42	9,954	NCC #1	OH
KO7V/3	Mike	80	56	51	187	41	7,667		MD	K8NZ	Ron	82	84	59	225	43	9,675	NCC #1	OH
W9XR/3	Sam	51	93	56	200	35	7,000	NCC #1	PA	W8KIC	Val	75	86	60	221	41	9,061	NCC #1	OH
										W8FN	Randy	42	99	65	206	38	7,828	MRRC	OH
NA4K	Steve	102	112	68	282	45	12,690		TN	WA8ZDT	Kevin	78	79	33	190	35	6,650		MI
AA4NC	Will	100	115	70	285	44	12,540		NC	WB8WTS	Jim	58	71	36	165	35	5,775		OH
K4AMC	Jim	99	124	57	280	43	12,040		TN	AA8AV	Ken	45	69	20	134	40	5,360	MRRC	MI
KT3Y/4	Phil	113	109	78	300	40	12,000		VA	K8JM	John	35	82	44	161	32	5,152	MRRC	MI
WC4E	Jeff	125	92	36	253	41	10,373	Fla	FL	KN5H/8	Steve	61	47	21	129	36	4,644	TDXS	WV
KB4GID	John	86	90	61	237	38	9,006		GA	KB3X/8	Scott	53	27	23	103	35	3,605	NCC #2	OH
WD4AHZ	Ron	103	58	27	188	38	7,144	Fla	FL	WD8LLD	Ed	0	0	71	71	28	1,988	MRRC	OH
K4IQJ	Dick	77	51	53	181	38	6,878		AL	K8DD	Duck	0	33	21	54	24	1,296		MI
K12X/4	Biglid	88	54	12	154	36	5,544	Fla	FL	W8IQ	Tom	16	6	0	22	9	198		OH
N4ZR	Pete	65	70	32	167	33	5,511		VA										
KE4GY	Frank	66	84	1	151	36	5,436	TDXS	AL	N0BSH/9	Mike	108	101	74	283	46	13,018	Venus	WI
W3YY/4	Bob	100	0	0	100	30	3,000	Mafia	VA	AG9A	Mark	114	106	77	297	43	12,771	Inorganic	IL
KN4QV	Jim	36	42	3	81	30	2,430		GA	W9RE	Mike	87	100	86	273	44	12,012		IN
										K9ZO	Ralph	100	95	80	275	43	11,825	Cows	IL
KR0Y/5	Jeff	171	125	79	375	47	17,625	Lizards	TX	WX9U	Phil	101	115	56	272	41	11,152	Tornados	IL
K5GN	Dave	155	108	86	349	48	16,752		TX	KB9S	Mark	77	90	43	210	39	8,190	Cows	WI
N5RZ	Ralph	144	113	67	324	44	14,256		TX	KE9I	Jerry	35	101	73	209	38	7,942	Tornados	IN
AA5B	Bruce	144	103	64	311	43	13,373		NM	KA9FOX	Scott	54	86	64	204	38	7,752	Lizards	WI
K5GA	Bill	142	127	40	309	43	13,287	TDXS	TX	WB9HRO	Jim	76	67	40	183	41	7,503	Cows	WI
K5RC	Tom	140	66	61	267	48	12,816	TDXS	TX	K9FD	Merv	51	70	40	161	35	5,635	Inorganic	IL
AD5Q	Roy	111	105	60	276	44	12,144	TDXS	TX	K9MMS	Gary	68	59	21	148	35	5,180	Lizards	IL
K7GM/5	Rick	130	99	18	247	41	10,127		TX	KC9EE	Gary	38	62	25	125	34	4,250	Lizards	IL
K7UP/5	John	58	100	53	211	43	9,073		NM	WD9GGY	Q-T-Pie	38	53	32	123	32	3,936	Cows	IL
W5ASP	Joe	110	70	25	205	43	8,815	TDXS	TX	WX9E	Paul	39	60	17	116	33	3,828	Tornados	IL
AC5K	Wes	88	70	50	208	40	8,320	TDXS	TX	AJ9C	Mike	58	27	16	101	36	3,636	Lizards	IN
KV6O/5	Mike	93	56	48	197	38	7,486	TDXS	TX	NA1R/9	Tom	47	31	35	113	31	3,503	Inorganic	IL
NZ5I	Ken	60	39	0	99	33	3,267	TDXS	TX	KA6A/9	Jim	61	30	0	91	30	2,730	Venus	IL
W5NR	Art	60	29	14	103	29	2,987		TX	WB9TIY	Keith	10	30	43	83	25	2,075	Lizards	IL
	(N6CW, op)									K9OSH	Bob	11	27	30	68	25	1,700		WI
WN4KKN/6	Tree	149	97	81	327	47	15,369	NCCC #1	CA	N9XX	Dan	0	27	28	55	25	1,375	Cows	WI
N6AA	Dick	141	122	60	323	46	14,858	SCCC #1	CA	KG9N	Chuck	15	0	22	37	13	481	Inorganic	IL
N6TV	Bob	154	100	55	309	46	14,214	SCCC #1	CA	N9JF	Jim	0	0	31	31	15	465	Cows	IL
N6TJ	Jim	112	106	79	297	47	13,959	SCCC #1	CA										
K6NA	Glen	136	103	87	326	41	13,366	SCCC #1	CA	VE7NTT	Gary	147	97	31	275	42	11,550	NCCC #1	BC
W6YA	Jim	133	122	44	299	44	13,156	SCCC #1	CA	VE4VV	Derrick	80	20	0	100	27	2,700		MB
N6ZZ	Phil	140	113	46	299	43	12,857	SCCC #1	CA	VE5SF	Sam	26	7	0	33	11	363	SK	
N6RO	Ken	137	99	48	284	45	12,780	NCCC #1	CA										
N6XI	Rick	135	102	39	276	46	12,696	NCCC #1	CA	XE1/AA6RX	Dave	120	79	20	219	41	8,979	MX	
N6ND	Terry	135	98	81	314	40	12,560	SCCC #1	CA	XE1/NV1P	Dave	113	55	9	177	38	6,726	MX	
	(N6CW, op)									LY2ZO	Sam	37	20	740	LY				
W6AQ	Mark	122																	