

# Results of the February, 1997 CW Sprint

by Mark Obermann, AG9A  
e-mail: cwsprint@contesting.com

Wow! February CW Sprint was an exciting event. Participation was at a near record high, with 151 logs submitted for checking and organized activity from all over the US. Unlike the SSB Sprint the weekend before, 20 meters showed real signs of life, providing reasonable QSO totals for stations in many areas of North America. Many stations also found 80 meters wide open and moved there much earlier than usual. Several of the top scoring stations found it necessary to change bands only two or three times during this running of the CW Sprint.

The fierce competition ended with Tree, N6TR, with his new club callsign (K7RAT), and carefully chosen name (Bert), coming out the winner. K1KI gave Tree a run for his money, finishing just 6 Qs behind. Dave, K6LL, placed just behind Tom with a strong third place showing. These three ops, along with N6AA, outdistanced the competition for mults with 48 each.

Eric, NM5M, continued to improve his mastery of the low power category with another spectacular showing. K7SV, K7GM and K1HT led the rest of the top ten in this increasingly popular category. Over 25 percent of the all entrants entered into the fray running low power.

Team participation was extremely high with more than 18 teams registered. SCCC #1 ran off with first place with TDXS #1 finishing second. The SMC Dead Lizard team returned to field a third place finish with the Bagel Boys hot on their heels. Team competition flourished across North America. The Tennessee Contest Group and Florida Contest Group joined several other teams formed on the East Coast. Along with all of the other teams formed, this served to both increase activity and introduce new "sprinters" to the excitement. Team competition is a lot of fun and is the key to maintaining and increasing the challenge and excitement of the Sprint. Start planning your teams for September now and encourage contest club members to give it a try. How about it VEs? It would be great to see another entry by another "multi-province" team in September!

Quite a few new calls showed up in the logs courtesy of the vanity callsign program. Gone were several perennial powerhouse calls of the past. In their places are new callsigns which we will learn to admire and respect in the future. Even so, sprinters accurately copied the new calls and information without bat-

ting an eye.

Congratulations to Golden Loggers K7RAT, AG9A, K1HT, KB0IHM, K4BAI, N9JF, N4TW and N7IN. Tree's attention to accuracy helped him win the contest. His log clearly demonstrates that quantity and quality are not mutually exclusive, but are the key complimentary factors in a winning contest effort.

Several long-standing records were also broken, with new record high scores in CT, MA, GA, KY, TN, AZ, IL and IN. Congratulations to the new record holders!

A big thank you is in order to all who put in the effort to submit their logs in an electronic format. Here is the breakdown of the logs I received:

Paper	14 logs
Disk - 5.25"	4 log
Disk - 3.5"	17 logs
E-mail	116 logs

I would like to see everyone submit logs in an electronic format. All logs received will be fully checked and cross-checked. A special thank you to stations like N7NG, VE7NTT, W6EU and the many others who spent the time and effort converting their paper logs to electronic logs prior to submission. Electronic log submission along with evolving and improving checking software will help to provide sprint operators with performance feedback and will maintain and encourage the highest level of operating proficiency.

Thanks also to Tree for taking time out of his busy schedule to punch in the logs that were inadvertently sent to him.

Cross-checking the logs provided some interesting insights to potential breakdowns in the logging process. Many points were deducted for wrong names and QTHs resulting from the trickle down of incorrect information (name, call or QTH) from the first contact down through the second and third QSOs. Computer programs, as easy as they can make life during the contest, can sometimes make it too easy. The point of the Sprint is to quickly and accurately send and receive a contest exchange with as many stations as possible and with as many mults as possible in the 4 hour time period. Just getting the number right and ignoring the rest of the information during the second and third QSOs leaves one open for potential deductions. Not-In-Log (NIL) penalties result in a loss of two QSOs, so please record the data accurately and confirm the QSO.

As I mentioned before, e-mail or make a call to your contesters friends and talk them into giving the sprints a try this September. Organize your club to participate in inter and intra-team competition. The more activity we can generate in sprint, the more exciting it will be.

The next CW Sprint is scheduled for September 7, 1997 at 0000-0400Z. This is Saturday evening local time.

See you in September! Start coordinating your teams now!

Corrections:

KB3AFT should be listed as operator of K3CR in the 1996 September CW Sprint results.

Guidelines for log submissions:

Please submit a log and summary sheet file 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. Clearly indicate your power level in the summary sheet. Any other comments pertaining to log issues or problems should be also included in the body of the summary sheet. Please do not leave comments in the body of the log itself. An acknowledgment message will be sent to all e-mail submitters. Those sending disks can provide a SASE or stamped QSL for confirmation. As in the past, feedback on log accuracy is available via e-mail (request to cwsprint@contesting.com) or SASE once the results have been published.

## 1997 February CW Sprint from the Northeast

by John Golomb, N2NC

Mark asked me to write a short article about how the increased East coast activity came about and also a bit about conditions in the East during the sprint, so I'll try and do just that.

First of all, I was not the sole person responsible for the increased activity from out East. I didn't really do much more than usual which is to send out 10 nagging letters on the FRC packet system telling 10 FRCers that they were on a FRC Sprint team, just in case they decide to get on for the Sprint. I know which FRCers have sprinted in the past so I usually try and "draft" these guys onto a Sprint team.

What really made the difference this time was the additional teams from out this way. Thanks to whoever it was in PVRC, YCCC, Weekend Warriors (PA),

and any other group from 1,2,3 and 4 land who organized a team. We've known the secret to increasing sprint activity for years - teams. Team competition, both against other teams and amongst your fellow team members is a lot of fun. If you haven't put a team together before, consider giving it a try for September. E-mail makes it easier than ever to register a team.

As far as conditions, I'd say they were fairly typical for no sunspots during February. Twenty was long right from the start. Even the sixes and sevens were starting to fade out after about 25-30 minutes. Most contacts east of the Mississippi were made on scatter. After about 80 minutes on 20, I switched to 40. This is a little better; loud signals from as close in as 8 and 9 land and western signals booming in. Made my last band change to 80 at 0245, about 10 to 15 minutes earlier than usual. Wow! The fives, sixes and sevens are booming in on this band also. Local signals are loud too. I worked 99 stations in the first 60 minutes on 80, probably my best hour ever in the sprint. I seem to run out of steam in the last few minutes of the contest and just can't find anyone new to work. I end up with 333 claimed QSOs, my biggest Q total ever.

I did have the luxury of operating from N2RM for this sprint and I must admit that when conditions are this bad, it is almost a necessity to have a 'tier one' station to have success. But hopefully we will start seeing some sunspot activity soon. Once conditions are better expect to see more big scores in the sprint from back east. You won't need a giant station to do it either. I had several 300+ QSO efforts in the early 1990s using a TA-33 at 30 feet and wires on 40/80. I strongly encourage other East coast types to try out the sprint in between all those DX contests.

## My First Ever Sprint

by Mel, KJ9C

Operating my first ever sprint, I had no idea what number of contacts to shoot for. After the first ten minutes of search/pounce I realized that 100 contacts in four hours would be a miracle. It took me almost four hours to get the feel for the rhythm of the test (not at all like a DX test or SS where the big guns park and call CQ.) I eventually realized that the stations tail ending the QSO were calling ME, not the guy I had just worked. The habit is to QSY as soon as he acknowledges the exchange. Some did not even send a dit, they just skedaddled and left me holding the frequency!!! Being a small pistol used to S&P techniques, I had no idea what to do with stations calling me!

## Team Scores

### SCCC #1

K6LL	16224
N6AA	14304
N6ZZ	13464
K6NA	13410
K6LA	13024
AC6T	12599
N6VR	12100
N5OT	12012
KC6CNV	11132
KO7X	9960
-----	-----
	128229

### TDXS #1

K5GN	15870
K5GA	14520
NM5M	13478
K5NZ	11220
AD5Q	10878
KG5U	10332
W5ASP	9450
N5LZ	9120
N5TU	8400
N5DU	8385
-----	-----
	111653

### Dead Lizards Can't Send CW

AG9A	13680
W9RE	12760
K9NW	12212
K9BG	10718
N9IG	9720
K9ZO	8520
K9PG	7872
VE4VV	7714
KW9KW	7020
KJ9C	5616
-----	-----
	95832

### Bagel Boys

N2RM	14276
N2NT	13717
K7SS	12558
W9XR	10604
KQ2M	10496
W3BGN	8094
K3MD	8041
N16T	6308
N5TJ	5265
N9GG	3094
-----	-----
	92453

## Team Key

SCCC #1	Southern California Contest Club Team #1
TDXS #1	Texas DX Society Team #1
DLCSCW	Dead Lizards Can't Send CW
BB	Bagel Boys
PVRC #1	Potomac Valley Radio Club Team #1
NCCC #1	Northern California Contest Club Team #1
TCG	Tennessee Contest Group
BARC #1	Boring Amateur Radio Club Team #1
FRCD	Frankford Radio Club "Domestic"
MRRC	Mad River Radio Club
YCCC	Yankee Clipper Contest Club
SCCC #2	Southern California Contest Club Team #2
FCG	Florida Contest Group
WWCC	Weekend Warriors Contest Club
TDXS #2	Texas DX Society Team #2
BHCC	Black Hole Contest Club
NCCC #2	Northern California Contest Club Team #2
NNYCC	Northern New York Contest Club
	Your Club Here in September!

5. PVRC #1 (K5ZD, K4AAA, N4AF, KE3Q, K7SV, AA4NC, N4ZR, K4MA, WB8BMV) .....	90776
6. NCCC #1 (N6TV, W6RGG, VE7NTT, W6EU, K6XX, N6NT, W6CT, N6PN, K6AW, N7NG) .....	90708
7. TCG (N4ZZ, K4AMC, K4NO, K4RO, W9WI, W4PA, W04O, K1KY, K0EJ) .....	78045
8. BARC #1 (K7RAT, N5KO, N0AX, W7GG, W2VJN, WA1MUG, K7NT) .....	54567
9. FRC (W2RQ, AA3B, K3WW, N8NA) .....	47000
10. MRRC (KW8N, K4LT, KU8E, W8AV, K8MR) .....	41311
11. YCCC (K1KI, W1WEF, K1HT) .....	37633
12. SCCC #2 (K5OT, N6ER, W6TKF, K6VNX, W1HIJ, W6HAL) .....	36284
13. FCG (WC4E, W4EF, W4ZW, WD4AHZ, NU4Y) .....	33628
14. WWCC (K3CR, N3IXR, WA3HAE, WA3SES) .....	23625
15. TDXS #2 (K5RC, AB5LX, K5DX, N5AV) .....	23179
16. BHCC (W19WI, WB0OLA, K9EY, N9JF, K9LUW, N7IN) .....	12987
17. NCCC #2 (AE0M) .....	6318
18. NNYCC (N4TW) .....	35

Line noise was 20 db over S9 on 80, S9 on 40, so I started on 40 and quickly moved to 20. I loaded the demo version of TR, as CT does not cover the sprint. However, something in the computer setup kept me from using the interface to TR software (truncated the CW). I gave up on sending exchanges via software after about 25 contacts in the first hour. At that rate, I would have to scramble to make my 100 QSOs.

I was forced to switch to manual sending (sorry to all whom I worked after the change, as I got really sloppy and ended the contest at about 25 wpm.) Moving to 80 meters really upped the rate, even though I had 20 dB of attenuation inline to kill line noise. I learned I have to go there before the last hour next time.

## SOAPBOX

THIS IS A GREAT CONTEST! - AB5LX This was my very first Sprint and it was great! - AD4PU Now THAT is a contest! I am humbled by those with 350 Qs and 46 mults and my hat is off to you. - AE0M What a fun contest! I hope even more people and teams participate next time and that everyone sends in their logs electronically! - AG9A Great time but had some family commitments which prevented full-time effort. Good 20M condx at start and lots of activity. - K0EJ Just "ran across" the contest by accident.

First time to do the Sprint. Was a tough, slow job with HW16 and HG10B VFO ... spotting the VFO to RX was tough! More QSOs next time! I'll plan for it. - K0EX My first CW Sprint with my new call, and my first claimed score over 10K. I hope there is a connection! 80 was much better than last September; I had over twice as many QSOs in the same 45 minutes. I was surprised at the amount of QRM among participants -- Better band conditions? More participation? - K1HT Slow start, but eventually speeded up - K3MD Conditions were so good, I didn't have time to think about how much I don't like sprinting. Pretty hard to believe, considering that I am more of a long distance runner. - K3WW First time I've ever had 100+ on all 3 bands. 2nd radio was only way it happened on 20M. Missed N7NG, though I heard him often. Just couldn't sync up with him. Best QSO was with VE2AWR with 45 secs to go I hear him finishing a QSO and it's not his frequency. I call CQ and start sliding the VFO up slowly. I stop at 1 KC above his last QSO and he calls for mult 46. - K4AAA My best ever effort. I think I sent my old call the first few exchanges. - K4FXN This is a fun contest...for somebody out there. - K4NO My best Sprint ever. Finally breaking 200 QSO's made me feel REALLY GOOD! I enjoyed this Sprint from start to finish. (With a few moments of frustration in btw, of course. Many of which I surely caused.) Participation felt like it was up. I swear the new calls have added a spark too. I'll tell you what motivated me the most. It was the TENNESSEE CONTEST GROUP! - K4RO Ten years ago I started printing a blank Page 8 for my handwritten logs, just in case I could ever make the magic 350+. Never used it. Now I can say, finally, that I've used Page 8! New personal record! What a great start to the contest. Ran out of gas near the end due to

on coming head cold. I think everyone with a new call should be congratulated for improving the overall rate! - K5GN Terrific conditions! - K5OT Wow! My best score ever outside the state of Texas. Used two radios and computer logging for first time ever. Not sure if it helped or not. - K5ZD We were returning from the Mardi Gras and stopped in Galveston, TX during the Sprint. As we pulled into the Wal-mart parking lot, I made the first three contacts. I came back out from the store and the activity was still hot. I made a few more QSOs, then was informed that the ice cream was melting. We headed back to the RV park where I made the balance of contacts. Operating from the front seat of a truck is an ergonomic disaster. Juggling scraps of paper along with sliding keyer paddles and having to tune the radio isn't easy. The rig is an FT890AT (100W) with a screwdriver antenna. Conditions seemed to be pretty good overall. - K6LRN/5 Wish I coulda op'd more. - K7BG Yuck...I was fubar...All set when I left home, but it all went down the tubes as I got set up and started the contest. Keying interface failed at 2330Z after working fine for years. Blew the transistor. Couldn't find the 2N2222 stash, so hand keyed and computer logged. - K7NT Sprint operators are the best!! New name and call didn't phase them at all. - K7RAT Conditions were great and I had a blast! - K7SV Just happy to be a part of this elite contesting group. Their skills constantly amaze me. Good conditions and good participation....what more could one ask for? It was a fun-filled 4 hours. - K8KFJ Operated last 5 minutes after an earlier social outing. Better late than never! - K8MR My 40m inv vee at 40 feet isn't enough for three bands! - KW9KW First Sprint in about 13 years! A bit rusty, to say the least. - K9BG Biorhythm must be off, just couldn't get it going. Then TVI. Cried uncle after 1 hour! - K9LUW I'll figure out how to do this contest one of these years - K9PG A personal best. - KB3AFT Had a lot of fun in my first HP CW sprint outing. - KC6CNV First Q at 0022Z. One of these days, I will realize and remember the contest starts at 0000Z; not at 7:00pm CT - KG5U Nice to see such good conditions and participation in this part of the sunspot cycle. Much better than the phone conditions. Just couldn't get my brain to work well enough to take advantage of it. I log on paper then type in NA later. First time I can remember this many QSOs with NO dupes! - KW8N What is the worst feeling in the world? Realizing as you stand in the line at Dairy Queen, that the Sprint started four minutes ago and you're getting Dilly Bars for the kids. What is the fastest thing in the world? Me on my way home with the Dilly Bars and the boys! Probably could have made my most ever QSOs if I hadn't missed the first 20 minutes...bummer! Good conditions on all bands. - N0AX Great Sprint, lots of activity! - N2NC Conditions seemed great. Hi MUF gave east coast a break on 20, but 80 seemed poor here. Sure missed the big low band tower. Great to hear perennials G4BUO and CT1BOH. - N4AF Wasn't able to get on until the last 15 minutes, and then I got so flustered that I gave each of my first 3 contacts the number 1. That's pretty embarrassing, but not bad enough to keep me from sending in my log. - N4TW My first time with high power "and" running the full 4 hours. Bettered my previous best by 70 QSOs, and my first time over 10K points. It's a whole new level of "fluster factor" at this rate, and next time I hope I'll do better. Low point was having to ask some poor AB5 to repeat his call 4 times before I got "5" rather than "6", and calling N5KO several times on the TR Log equivalent of the wrong VFO (in CQ rather than S&P mode). High point was a 70-QSO last hour on 80, where the new antenna was a big plus. Directivity isn't terribly useful in the Sprint, though - often I didn't get the array pointed at the station until it was time to send "TU." - N4ZR Thanks to Les, WF5E, who let me use his station at the last minute. When I got there, the 80M antenna had 10:1 SWR. With no climbing belt and no time, the decision was made to use the TS940 barefoot with tuner. Thanks to the 41 ops with great ears on 80M!! - N5RZ Finally broke 300 QSOs! - N6ZZ All these Qs resulted from me calling CQ. My antenna was in such poor shape, having half fallen to the ground (I discovered this at about 0235Z) that no one heard me when I tried to work their CQ call. Apparently the stations I did work were able to pick me out because there was little QRM where I called. That explains the 339 signal reports! Oh, well! Wait till next year!!! -N7IN

#### TOP 10 SCORES

K7RAT	16752
K1KI	16368
K6LL	16224
K5GN	15870
K5ZD	15640
N2IC	15570
K4AAA	15180
K5GA	14520
N6AA	14304
N2RM	14276

#### TOP 10 QSOS

K7RAT	349
N2IC	346
K5GN	345
K1KI	341
K5ZD	340
K6LL	338
N2RM	332
K4AAA	330
K5GA	330
N2NT	319

#### TOP 10 MULTS

K1KI	48
N6AA	48
K7RAT	48
K6LL	48
Many	46

#### GOLDEN LOGS (NO QSOS REMOVED)

CALL	QSOS
K7RAT	349
AG9A	304
K1HT	235
KB0IHM	183
K4BAI	157
N9JF	52
N4TW	7
N7IN	5

#### TOP 10 LOW POWER SCORES

NM5M	13478
K7SV	10965
K7GM	10428
K1HT	10105
W4EF	10019
W9WI	8960
K4FXN	8815
N8EA	8815
W4PA	8760
N0AX	8621

#### Hourly Breakdown

CALL	00Z	01Z	02Z	03Z
K7RAT 349	94	87	80	88
K6LL 338	99	86	69	84
K5GN 345	96	77	94	78
K5ZD 340	91	85	83	81
N2IC 346	92	81	84	89
K4AAA 330	85	82	81	82

## IIX EQUIPMENT LTD.

## PRODUCTS FOR THE AMATEUR

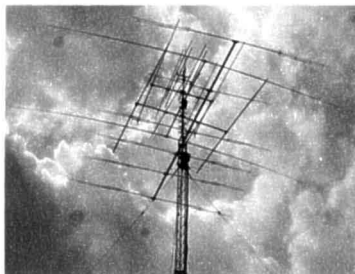
#### All IIX Products Feature:

Heavy Duty Welded Steel Construction  
Hot Dipped Galvanizing  
We Guarantee Your Satisfaction  
Immediate UPS Shipping on these  
In Stock Items

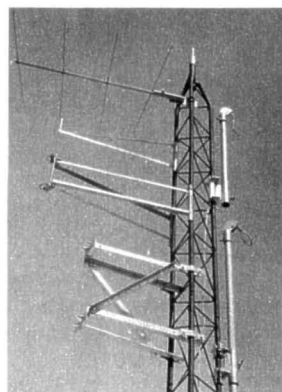
- ★ 6 Styles of Tower Mount Antenna Standoff Brackets
- ★ 3 Styles of Tower Ginpole Kits
- ★ 18-22 Foot Climable Tower Ladder Mast
- ★ Bolt on Mast Steps
- ★ Antenna Boom Mount Plates and Adapters
- ★ Six and Nine Foot Roof Mount Quad Pods
- ★ Building and Wall to Antenna Strap Mounts
- ★ Large Antenna Rotatable Mount for Easy Maintenance
- ★ Tower Sidemount Mounts Antenna and Rotor
- ★ Multiple Radio Mounts for All Vehicles



RM16 Side Mount



BG-18 Ladder Mast



Antenna Standoffs and Ginpoles

**Call or Write For Your  
Catalog FREE**

#### IIX EQUIPMENT LTD.

P.O. BOX 9  
OAKLAWN, IL 60456  
(708) 423-0605  
FAX (708) 423-1691



Radio Mounts for All Vehicles

# Scores

Call	Name	QTH	20	40	80	QSO	Mul	Score	Team	Call	Name	QTH	20	40	80	QSO	Mul	Score	Team
K1KI	Tom	CT	112	124	105	341	48	16368	YCCC	N5KO	Trey	CA	103	116	88	307	43	13201	BARC #1
K5ZD	Randy	MA	98	144	98	340	46	15640	PVRC #1	K6LA	Ken	CA	98	130	68	296	44	13024	SCCC #1
W1WEF	Jack	CT	78	110	91	279	40	11160	YCCC	N6TV	Bob	CA	98	114	90	302	43	12986	NCCC #1
K02M	Bob	CT	72	111	73	256	41	10496	BB	AC6T	Steve	CA	109	106	78	293	43	12599	SCCC #1
K1HT	* Dave	MA	65	124	46	235	43	10105	YCCC	N6VR	Ray	CA	108	100	67	275	44	12100	SCCC #1
WR1P	Nate	MA	23	49	45	117	38	4446		W6RGG	Bob	CA	86	114	70	270	44	11880	NCCC #1
										KC6CNV	Dan	CA	87	103	63	253	44	11132	SCCC #1
N2RM										W6EU	Jim	CA	79	119	65	263	41	10783	NCCC #1
(N2NC)	John	NJ	105	112	115	332	43	14276	BB	K6XX	Bob	CA	78	101	45	224	41	9184	NCCC #1
W2RQ	Bill	NJ	100	121	96	317	44	13948	FRCD	N6ER	Kevin	CA	91	70	50	211	41	8651	SCCC #2
N2NT	Andy	NJ	94	135	90	319	43	13717	BB	N6NT	Bruce	CA	80	80	48	208	38	7904	NCCC #1
NJ2L	Rus	NY	0	12	36	48	26	1248		W6CT	Scott	CA	72	94	39	205	37	7585	NCCC #1
N4TW	* Ted	NY	0	0	7	7	5	35	NNYCC	N6PN	Matt	CA	62	84	48	194	38	7372	NCCC #1
										W6TKF	Dick	CA	78	57	33	168	42	7056	SCCC #2
AA3B	Bud	PA	93	96	91	280	45	12600	FRCD	AE0M	Tony	CA	80	80	2	162	39	6318	NCCC #2
K3WW	Chas	PA	92	101	91	284	44	12496	FRCD	Ni6T	Gr	CA	68	63	35	166	38	6308	BB
KE3Q	Rich	MD	93	96	79	268	43	11524	PVRC #1	K6AW	Steve	CA	37	82	34	153	38	5814	NCCC #1
W9XR	Nik	PA	84	92	65	241	44	10604	BB	K6VNX	Arlen	CA	55	64	20	139	37	5143	SCCC #2
K3CR										N6TW	Larry	CA	62	61	11	134	37	4958	
(KB3AFT)	Jim	PA	70	80	81	231	43	9933	WWCC	W1HIJ	* Bill	CA	27	45	0	72	35	2520	SCCC #2
W3BGN	Steve	PA	69	84	60	213	38	8094	BB	W6HAL	Lee	CA	29	22	2	53	28	1484	SCCC #2
K3MD	John	PA	49	61	77	187	43	8041	BB	WA1MUG	* Zap	CA	32	19	9	60	22	1320	BARC #1
N8NA	* Karl	DE	37	84	83	204	39	7956	FRCD										
N3IXR	* Bob	PA	31	59	61	151	36	5436	WWCC	K7RAT	Bert	OR	116	125	108	349	48	16752	BARC #1
WA3HAE	* Keith	PA	49	41	45	135	35	4725	WWCC	(N6TR)	Dave	AZ	122	135	81	338	48	16224	SCCC #1
WA3SES	* Ed	PA	22	34	51	107	33	3531	WWCC	K6LL	Dan	WA	103	109	87	299	42	12558	BB
N9GG	* Bob	DE	7	50	34	91	34	3094	BB	K7SS	Al	UT	67	95	87	249	40	9960	SCCC #1
										K07X	* Ed	WA	76	117	40	233	37	8621	BARC #1
K4AAA										N0AX	Bob	OR	84	84	33	201	42	8442	BARC #1
(N4VJ)	Bill	GA	96	123	111	330	46	15180	PVRC #1	W7GG	* Rod	ID	74	86	44	204	39	7956	
N4ZZ	Don	TN	84	104	101	289	45	13005	TCG	W7ZRC	* Brian	WA	61	86	40	187	36	6732	
N4AF	Al	NC	96	108	78	282	46	12972	PVRC #1	N7LOX	Jim	OR	62	71	29	162	36	5832	
K4AMC	Jim	TN	70	114	88	272	46	12512	TCG	K17Y	Wayne	WY	0	76	76	152	38	5776	NCCC #1
K4LT	Doug	KY	74	102	96	272	43	11696	MRRC	N7NG	George	OR	24	80	49	153	34	5202	BARC #1
K4NO	Greg	AL	63	89	103	255	44	11220	TCG	W2VJN	Mike	WA	37	12	0	49	21	1029	BARC #1
K7SV	* Larry	VA	81	84	90	255	43	10965	PVRC #1	K7NT	* Matt	MT	20	17	3	40	23	920	
AA4GA	Lee	GA	61	96	88	245	44	10780		K7BG	Bob	NV	0	9	0	9	7	63	
AA4NC	Will	NC	70	92	74	236	45	10620	PVRC #1	AA0CY									
WC4E	Jeff	FL	84	102	63	249	42	10458	FCG										
K7GM	* Rick	NC	88	76	73	237	44	10428		KW8N	Bob	OH	107	94	91	292	44	12848	MRRC
K4RO	Kirk	TN	65	101	73	239	43	10277	TCG	N8AA	John	OH	80	81	80	241	43	10363	
W4EF	* Mike	FL	71	109	53	233	43	10019	FCG	KU8E	Jeff	OH	61	96	94	251	41	10291	MRRC
W9WI	* Doug	TN	70	78	76	224	40	8960	TCG	N4ZR	Pete	WV	80	94	74	248	40	9920	PVRC #1
K4FXN	* Dan	KY	51	91	73	215	41	8815		N8EA	* Joe	MI	63	88	64	215	41	8815	
W4PA	* Scott	TN	30	107	82	219	40	8760	TCG	W8AV	Goose	OH	24	65	72	161	40	6440	MRRC
W4ZW	* Jon	FL	62	72	19	153	45	6885	FCG	W8WV	Dave	WV	27	68	40	135	32	4320	
WO4O	* Ric	TN	30	76	67	173	37	6401	TCG	K8KFJ	Gary	WV	8	69	34	111	34	3774	
K4BAI	* John	GA	14	83	60	157	37	5809		K8JM	John	MI	24	65	0	89	31	2759	
WD4AHZ	* Ron	FL	59	52	49	160	36	5760	FCG	K8MR	* Jim	OH	0	0	6	6	6	36	MRRC
K4MA	Jim	NC	35	53	27	115	34	3910	PVRC #1										
K1KY	* Tom	TN	22	55	33	110	35	3850	TCG	AG9A	Mark	IL	84	127	93	304	45	13680	DLCS
K0EJ	* Mark	TN	50	8	44	102	30	3060	TCG	W9RE	Mike	IN	78	110	102	290	44	12760	DLCS
KA8OKH	* Rich	KY	10	57	28	95	32	3040		K9NW	Mike	WI	83	104	97	284	43	12212	DLCS
W4NTI	Dan	AL	0	31	43	74	27	1998		K9BG	Jerry	IL	48	93	92	233	46	10718	DLCS
AD4PU	* Laura	NC	8	24	6	38	22	836		N9IG	Liz	IN	60	86	97	243	40	9720	DLCS
NU4Y	Jim	FL	16	7	0	23	22	506	FCG	K9ZO	Ralph	IL	71	73	69	213	40	8520	DLCS
WB8BMV	Jay	NC	9	0	0	9	5	45	PVRC #1	K9BGL	Karl	IL	0	142	71	213	39	8307	
										K9PG	* Paul	IL	45	73	74	192	41	7872	DLCS
K5GN	Dave	TX	126	119	100	345	46	15870	TDXS #1	KW9KW	* Dave	IL	18	120	42	180	39	7020	DLCS
K5GA	Bill	TX	110	128	92	330	44	14520	TDXS #1	K9MMS	* Gary	IL	44	78	63	185	35	6475	
NM5M	* Eric	TX	106	114	73	293	46	13478	TDXS #1	KJ9C	Mel	IN	42	64	50	156	36	5616	DLCS
N6ZZ	Phil	TX	105	120	81	306	44	13464	SCCC #1	W19WI	Jim	WI	46	67	52	165	34	5610	BHCC
N5OT	Mark	OK	70	114	89	273	44	12012	SCCC #1	WB0OLA	* Jim	IN	28	51	59	138	36	4968	BHCC
K5OT	Larry	TX	86	98	70	254	45	11430	SCCC #2	WD9GGY	Ike	IL	0	57	16	73	28	2044	
K5NZ	Mike	TX	103	84	68	255	44	11220	TDXS #1	N9IJ	Len	IL	8	34	27	69	29	2001	
AD5Q	Roy	TX	75	107	77	259	42	10878	TDXS #1	K9EY	* Casey	IN	9	17	20	46	25	1150	BHCC
N5RZ	Ralph	TX	101	117	40	258	41	10578		N9JF	* Pogo	IL	19	10	23	52	22	1144	BHCC
KG5U	Dale	TX	71	94	81	246	42	10332	TDXS #1	K9LUW	* Lou	WI	7	3	0	10	10	100	BHCC
K5RC	Tom	TX	98	57	62	217	46	9982	TDXS #2	N7IN	Jim	IN	0	0	5	5	3	15	BHCC
W5ASP	Joe	TX	90	95	40	225	42	9450	TDXS #1										
N5LZ	Don	TX	84	90	66	240	38	9120	TDXS #1	N2IC	Steve	CO	115	130	101	346	45	15570	
N5TU	Earl	TX	95	73	42	210	40	8400	TDXS #1	WB0O	Bill	ND	79	102	92	273	38	10374	
N5DU	Bob	TX	70	86	59	215	39	8385	TDXS #1	KM0L	Steve	MO	68	109	54	231	40	9240	
AB5LX	* Jay	TX	48	72	50	170	40	6800	TDXS #2	KB0IHM	* Pat	MN	36	74	73	183	36	6588	
N5TJ	Jeff	TX	0	73	62	135	39	5265	BB	W0UY	Oz	KS	34	46	33	113	36	4068	
K5DX	Sharp	TX	40	41	16	97	37	3589	TDXS #2	K0EX	* Mark	CO	0	40	0	40	24	960	
W5NR	Art	TX	51	35	3	89	37	3293											
KE5IR	Ron	TX	37	64	0	101	32	3232		VE7NTT	Gary	VE7	104	115	53	272	42	11424	NCCC #1
N5AV										VE4VV	Derrick	VE4	58	90	55	203	38	7714	DLCS
(K7UP)	Jose	NM	33	45	0	78	36	2808	TDXS #2	VE5SF	* Sam	VE5	15	48	14	77	31	2387	
N05W	* Chuck	AR	26	48	14	88	26	2288											
K6LRN	* Dick	TX	0	46	0	46	29	1334		LY1DS	Dan	DX	0	3	0	3	4	12	
N6AA	Dick	CA	125	107	66	298	48	14304	SCCC #1										
K6NA	Glen	CA	85	118	95	298	45	13410	SCCC #1										

\* An asterisk