

Results, 2002 ARRL November CW Sweepstakes

Listen carefully and you can hear the contest approaching. The sounds are brief. A string of dots, a continuous whistle, the signal strength rising and falling as the perfect match is sought—created by amplifiers, antenna tuners, and all manner of RF generators being tuned. Rapid-fire exchanges occur as stations confirm their readiness and say hello to friends. The CW seems to be at light speed, driven by the nervous energy of the operators.

For those who are fully prepared and ready, the clock slows to an imperceptible crawl. It seems the contest start time of 21Z will never come. Others, struggling with radio failures, antenna repairs, and software glitches, see time accelerating. In this strange world of pre-contest relativity, it is a race to see if everything will be ready in time.

Finally, there is only time to wait, a moment of calm before the storm of CW fills the bands. For radio amateurs across the United States and Canada, the week-end of November 2-3, 2002 was time to renew an enjoyable annual tradition of traffic handling, multiplier chasing, and competition in the 69th ARRL November Sweepstakes, CW.

There were 1319 official entries submitted. The log-checking database shows 2584 calls were active in the contest. With the top scorer only working 1468, there is plenty of opportunity for even bigger scores in the future.

What is the profile of a top SS player? A look at the Top Ten scorers in each single

operator category gives some clues. Ages ranged from 33 to 64, implying a bit of experience is required. Occupations were varied, but with a strong bias toward the technical. There were engineers in everything from software development to television to mining. There was a physicist and a mathematician. Sprinkle in a few sales and marketing people. Some worked for the federal or state government. Others were teachers, professors, accountants, and investment advisors. NØKK had the best job, listing his occupation as husband and father. One thing we do know—they all share a competitive nature!

QRP Category

Measured in watts, it's a long way from 5 to 1500. But on an S-meter, it's only 25 dB or about 5 S-units—a welcome challenge for those who choose to enter the QRP category. After all, they argue, how much power do you really need to work across the country?

After years of high power Top Ten finishes from W5WMU, N6TR decided to “do something different” and see what

could be done with 5 W plugged into some big antennas. The result was an amazing score and new all time record for the category. Tree made almost 1100 contacts and missed only VY1 to have the clean sweep. Despite giving up 25 dB in power, his score was only “1.3 dB” behind the top score in the contest!

Despite a power failure with two hours to go, K7UP in New Mexico lead the rest of the QRP pack with a nice score that would have been a winner in many other years. John used a pair of Elecraft K2's and monoband Yagis to rack up his second place finish.

K4AO in Kentucky only operated 21 hours and missed 4 sections, but had enough contacts to take third place. Returning to the QRP Top Ten for the second year in a row, K7MM in Eastern Washington used just one radio to make 771 QSOs. He missed VY1 and nearby MT in his chase for the sweep.

Things tightened up for the rest of the QRP Top Ten with just 40 contacts separating the next 6 scores. KG5U in South Texas led the parade despite only operat-

2002 CW Sweepstakes Sponsored Plaque Winners

Division	Plaque Category	Plaque Sponsor	Winner
Overall	Single Operator High Power CW	Trey Garlough, N5KO	WP3R (KE3Q, op)
Overall	Single Operator Unlimited CW	Eric Hall, K9GY	K6LL
Overall	Multioperator CW	Terry Hackworth, K5HP	K0RF
Overall	School Club College Division CW	Mark Smith KD4JLC Memorial	W2CXM (N2YX, op)
Atlantic	Single Operator High Power CW	North Coast Contesters	K3MM
Atlantic	Single Operator Low Power CW	Potomac Valley Radio Club	K3WU
Atlantic	Multioperator CW	North Coast Contesters	WR3L
Central	Single Operator High Power CW	In Memory of Richard Harper, W9RW by SMC	N9RV
Central	Single Operator Low Power CW	In Memory of Mike Corke, N9AEJ by SMC	AG9A
Central	Single Operator Unlimited CW	In Memory of Robert Heytow, K9YA by SMC	K9NR
Central	Multioperator CW	Don Haney, W9WW	K9NS
Dakota	Single Operator High Power CW	Minnesota Wireless Association	W0SD (WD0T, op)
Dakota	Single Operator Low Power CW	Minnesota Wireless Association	N0AT (N0KK, op)
Dakota	Single Operator QRP CW	Tod Olson, K0TO	N0UR
Dakota	Single Unlimited CW	Minnesota Wireless Association	KT0R
Dakota	Multioperator CW	Minnesota Wireless Association	K0JE
Great Lakes	Single Operator High Power CW	North Coast Contesters	W5MX
Great Lakes	Single Operator Low Power CW	Mad River Radio Club	W8MJ
Hudson	Multioperator CW	Stuart Silverstein, K3UEI, Memorial	N2XI
Midwest	Single Operator Low Power CW	Society of Midwest Contesters	K0DI
Midwest	Multioperator CW	Lincoln Amateur Radio Club	K0WA
New England	Single Operator QRP CW	QRP Club of New England	K1TR
Pacific	Single Operator Low Power CW	Robert A. Wilson, N6TV	N6NF
Roanoke	Single Operator High Power CW	Potomac Valley Radio Club	N4AF
Roanoke	Single Operator Low Power CW	Raleigh Amateur Radio Society - W4DW	W4OC
Roanoke	Single Operator QRP CW	Bill Harding, K4AHK	K4MX
Roanoke	Multioperator CW	Tidewater Morse Code Society	K4IX
Southwestern	Single Operator Low Power CW	Larry Serra, N6NC	N7CW
Southwestern	Single Operator QRP CW	Ray and Donna Day, N6HE & N6HTH	N7IR
West Gulf	Single Operator High Power CW	Ken Adams, K5KA	N5RZ
Canada	Single Operator Low Power CW	Don Haney, W9WW	VE7CC



Bob, N4BP, operated NP2B to second place overall in the Low Power category.



Dale, KG5U, an active QRP contester finished fifth nationally.



Dave, K6LL, at the controls during his victory in the Unlimited category.



Don, W4OC finished third overall in the Low Power category.

ing 21 hours. Just 222 points back was W9WI from Tennessee. Next was N7IR in Arizona who had the QSOs, but missed 3 sections. K4RO was talked into going QRP by W4PA, and managed to finish eighth. Not bad for his first try at the category. N0UR in Minnesota and N2CU in Western New York finished out the box.

One place power does make a difference is in capturing those final sections for a clean sweep. Out of 200 QRP entrants, only K1AM and N9NE were able to pull it off.

Low Power Category

Add another 12-15 dB or so and you reach the 150-W limit for the Low Power category. With 701 logs received, it was

the most popular entry category by far.

Don, K4WX, returns to the Low Power category winner's circle with a solid 9000-point margin of victory. A veteran of many SS contests, you may remember Don under his previous calls of N4ZZ or K4PUZ. Don took advantage of the short skip on 20 meters to make over 600 QSOs on that band.

Recently retired, Bob, N4BP put on his traveling shoes to visit the Virgin Islands and borrow the station of NP2B. Bob used an Elecraft K2/100 and simple antennas to make nearly 1200 contacts. Just 13 contacts back in third is Don, W4OC, from South Carolina. A veteran of many Sweepstakes contests since his first in 1965, Don chose low power due

to its requirement for "less complex station operation."

Fourth place went to perennial low power top ten resident K0EU in Colorado. Randy would have moved up a spot if he could have just found Newfoundland for the sweep.

Last year K7BG and K0EU battled for the category win. This year K7BG again came up just a bit short due to missing two sections. One of them was VY1JA who he heard, but never at a time when propagation was favorable.

Mark, AG9A, represented the Black Hole of the upper Midwest by finished sixth from Illinois. Operating from the station of K9RS, Mark really pounded 20 and 40 meters for most of his contacts. Next up, and leading a close pack of four, was N0AT in Minnesota operated by N0KK. Just two contacts back was K5WA in South Texas. Bob only operated 23 hours, so could have easily moved up a place or two with a bit more time in the chair. K0LUZ made his annual visit to N4WW to take ninth place. K0DI helped fulfill the demand for Nebraska to finish tenth.

High Power

With another 10 dB, you join the ranks of the super heavyweights, the high power category. Not to say these guys are overweight, but they do have big signals.

KE3Q continued his string of victories from WP3R in Puerto Rico. He has now won four years in a row.

On another island far to the southwest, KH6ND was using the call KH7X from the station of KH7R. Mike was struggling with a different challenge. "Very tough to make it through this one after the death of close friend KL7Y just a few days beforehand. Dan was with me for the weekend, and helped me to press on during many difficult moments. His departure has left a big hole in the lives of those of us that knew him well." You honored him well OM with a second place finish over-

Top Ten

Single Operator, QRP

	QSOs	Mults	Hrs
W5WMU (N6TR, op)	173,168	1096	79 24
K7UP	137,144	868	79 24
K4AO	122,208	804	76 21
K7MM	120,276	771	78 24
KG5U	118,248	758	78 21
W9WI	118,026	747	79 20
N7IR	116,578	757	77 24
K4RO	116,288	736	79 22
N0UR	114,192	732	78 23
N2CU	113,444	718	79 24

Single Operator, Low Power

	QSOs	Mults	Hrs
K4WX	199,200	1245	80 24
NP2B (N4BP, op)	190,240	1189	80 24
W4OC	188,160	1176	80 24
K0EU	186,756	1182	79 24
K7BG	183,924	1179	78 24
AG9A	180,000	1125	80 24
N0AT (N0KK, op)	174,080	1088	80 24
K5WA	173,760	1086	80 23
N4WW (K0LUZ, op)	173,120	1082	80 24
K0DI	171,520	1072	80 24

Single Operator, High Power

	QSOs	Mults	Hrs
WP3R (KE3Q, op)	234,880	1468	80 24
KH7X (KH6ND, op)	225,280	1408	80 24
N2IC	223,200	1395	80 24
N5RZ	220,640	1379	80 24
W0SD (WD0T, op)	218,400	1365	80 24
K6LA	216,160	1351	80 24
W4PA	215,680	1348	80 24

WX0B (K5GA, op)	214,720	1342	80 24
W6EEN (N6RT, op)	213,600	1335	80 24
N9RV	212,960	1331	80 24

Single Operator, Unlimited

	QSOs	Mults	Hrs
K6LL	216,800	1355	80 24
K6XX	194,880	1218	80 23
W4MR (AA4NC, op)	193,280	1208	80 24
KD4D	176,960	1106	80 24
WA6O	170,400	1065	80 24
K7OX	168,800	1055	80 24
N5NA	166,400	1040	80 22
N2WW	162,266	1027	79 24
N2MM	162,240	1014	80 24
K9NR	152,960	956	80 24

Multi-Operator

	QSOs	Mults	Hrs
K0RF	217,120	1357	80 24
K6AM	213,280	1333	80 24
N6VR	212,320	1327	80 24
K9NS	211,040	1319	80 24
W6YX	210,240	1314	80 24
K8CC	192,640	1204	80 24
W5TM	182,332	1154	79 24
WR3L	181,920	1137	80 24
K0WA	181,858	1151	79 24
W7CT	178,880	1118	80 24

School Club

	QSOs	Mults	Hrs
W2CXM (N2YX, op)	117,552	744	79 21
WA5BU (K5LH, op)	108,878	707	77 20
K2CC (KC2BMG, op)	46,620	333	70 9
WF4DD	12,084	114	53 5

Top Five

Boxes list call sign, score and class (Q = QRP, A = Low Power, B = High Power, U = Unlimited, M = Multioperator)

Northeast Region (New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections)			Southeast Region (Delta, Roanoke and Southeastern Divisions)			Central Region (Central and Great Lakes Divisions; Ontario Section)			Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections)			West Coast Region (Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT/Yukon Sections)			
N2NT	212,194	B	WP3R	234,880	B	N9RV	212,960	B	N2IC	223,200	B	KH7X	225,280	B	
(N2NC, op)			(KE3Q, op)			W9RE	201,760	B	N5RZ	220,640	B	(KH6ND, op)			
K5ZD	211,720	B	W4PA	215,680	B	K9DX	186,720	B	W0SD	218,400	B	K6LA	216,160	B	
W2RQ	192,640	B	W4AN	207,840	B	W5MX	183,680	B	(WD0T, op)			W6EEN	213,600	B	
K3MM	189,916	B	(K4BAI, op)		KE9I	183,520	B	WX0B	214,720	B	(N6RT, op)				
AA3B	186,880	B	WP2Z	206,400	B				(K5GA, op)			K6KM	203,188	B	
			(K9TM, op)						WB0O	212,000	B	(N6TV, op)			
			N4AF	198,606	B							N6RO	202,720	B	
K3WU	157,368	A	K4WX	199,200	A	AG9A	180,000	A	K0EU	186,756	A	K7BG	183,924	A	
NY3A	155,472	A	NP2B	190,240	A	W8MJ	163,214	A	N0AT	174,080	A	VE7CC	166,080	A	
K1HT	150,720	A	(N4BP, op)		N9CK	159,580	A	(N0KK, op)		N7CW	163,200	A	K4XU	163,200	A
W2TZ	147,730	A	W4OC	188,160	A	VE3DZ	156,160	A	K5WA	173,760	A	N6NF	158,158	A	
K1VUT	146,940	A	N4WW	173,120	A	K8BL	153,760	A	K0DI	171,520	A				
			(K0LUZ, op)					K0SR	170,976	A					
			NA4K	169,376	A										
N2CU	113,444	Q	W5WMMU	173,168	Q	K4AO	122,208	Q	K7UP	137,144	Q	K7MM	120,276	Q	
K1TR	110,760	Q	(N6TR, op)		N9NE	98,880	Q	KG5U	118,248	Q	N7IR	116,578	Q		
K1AM	106,560	Q	W9WI	118,026	Q	N9CIQ	88,312	Q	N0UR	114,192	Q	N7OU	110,880	Q	
K3TEJ	99,022	Q	K4RO	116,288	Q	VE3XAX	88,296	Q	K5WO	109,186	Q	W6JTI	110,126	Q	
K3AJ	78,292	Q	K4MX	95,942	Q	K8SB	77,844	Q	K0RI	103,272	Q	W6IO	68,068	Q	
			W2CS	93,024	Q										
KD4D	176,960	U	W4MR	193,280	U	K9NR	152,960	U	N5NA	166,400	U	K6LL	216,800	U	
N2MM	162,240	U	(AA4NC, op)		K19A	150,240	U	N2WW	162,266	U	K6XX	194,880	U		
VE1OP	143,148	U	W4MYA	152,800	U	K9MOT	149,760	U	W7UT	146,720	U	WA6O	170,400	U	
K2FU	135,722	U	W4NF	152,312	U	(N9EP, op)		K5HP	135,680	U	K7OX	168,800	U		
AA2EQ	133,036	U	K07X	146,080	U	N8BJQ	148,000	U	N5YA	134,880	U	AD6E	108,960	U	
			W4ZW	123,040	U	W9SN	130,880	U	(N5UM, op)						
WR3L	181,920	M	W5DDX	125,580	M	K9NS	211,040	M	K0RF	217,120	M	K6AM	213,280	M	
N2XI	127,520	M	K4IX	112,800	M	K8CC	192,640	M	W5TM	182,332	M	N6VR	212,320	M	
NK1L	97,812	M	W4ZYT	96,160	M	N4GN	162,080	M	K0WA	181,858	M	W6YX	210,240	M	
K2NNY	70,200	M	W8OP	64,834	M	W8FT	149,942	M	W7CT	178,880	M	K7IR	171,840	M	
N2POS	52,704	M	K4AJX	56,250	M	K8JM	148,836	M	KB0VVT	158,880	M	W6UT	123,556	M	

Division Leaders

Single Operator High Power	Dakota	N0AT	174,080	New England	K1TR	110,760	Canada	VE1OP	143,148
Atlantic	K3MM	189,916	Northwestern	K7MM	120,276				
Central	N9RV	212,960	Pacific	W6JTI	110,126		Multioperator		
Dakota	W0SD	218,400	Great Lakes	K4MX	95,942	Atlantic	WR3L	181,920	
	(WD0T, op)		Hudson	N2GA	134,616	Central	K9NS	211,040	
Delta	W4PA	215,680	Midwest	K0DI	171,520	Dakota	K0JE	54,760	
Great Lakes	W5MX	183,680	New England	K1HT	150,720	Delta	W5DDX	125,580	
Hudson	N2NT	212,194	Northwestern	K7BG	183,924	Great Lakes	K8CC	192,640	
	(N2NC, op)		Pacific	N6NF	158,158	Hudson	N2XI	127,520	
Midwest	K0OU	170,080	Roanoke	W4OC	188,160	Midwest	K0WA	181,858	
New England	K5ZD	211,720	Rocky Mountain	K0EU	186,756	New England	NK1L	97,812	
Northwestern	K7MI	186,400	Southeastern	NP2B	190,240	Northwestern	K7IR	171,840	
Pacific	KH7X	225,280		(N4BP, op)		Pacific	W6YX	210,240	
	(KH6ND, op)		Southwestern	N7CW	163,200	Roanoke	K4IX	112,800	
Roanoke	N4AF	198,606	West Gulf	K5WA	173,760	Rocky Mountain	K0RF	217,120	
Rocky Mountain	N2IC	223,200	Canada	VE7CC	166,080	Hudson	W2GDJ	98,080	
Southeastern	WP3R	234,880				Midwest	NU0Q	53,088	
	(KE3Q, op)		Single Operator QRP			New England	W1TO	69,888	
Southwestern	K6LA	216,160	Atlantic	N2CU	113,444	Northwestern	K7OX	168,800	
West Gulf	N5RZ	220,640	Central	N9NE	98,880	Pacific	K6XX	194,880	
Canada	VE6JY	131,140	Dakota	N0UR	114,192	Roanoke	W4MR	193,280	
	(VA6WGO, op)		Delta	W5WMMU	173,168		(AA4NC, op)		
				(N6TR, op)		Rocky Mountain	N2WW	162,266	
Single Operator Low Power	Great Lakes	K4AO	122,208	Southeastern	W4ZW	123,040	Roanoke	WF4DD	12,084
Atlantic	K3WU	157,368	Hudson	K2UY	48,576	Southwestern	K6LL	216,800	West Gulf
Central	AG9A	180,000	Midwest	N0SS	94,556	West Gulf	N5NA	166,400	(K5LH, op)

all and new Pacific Division record.

In third place, just 13 contacts behind, was N2IC in Colorado. This was Steve's last SS CW from Colorado as he packs his station up for a move to New Mexico, but it probably won't be his last visit to the Top Ten. A few hundred miles south, N5RZ handed out West Texas to everyone he could find to take fourth place. Ralph added a 40 meter beam to his station and moved up from seventh place in 2001. WD0T again operated from W0SD in South Dakota to also move up a few

places from last year.

Just 20 contacts separated the second half of the Top Ten. K6LA turned in an excellent effort to win West Coast honors and take sixth place. "My goal has always been to make the top ten in high power. With the high bands looking good, I thought this might be the year." It was!

After winning the QRP category for the past four years, Scott, W4PA, decided to move up a few dB and enter the high power race. It paid off as he drove the K4JNY station in Tennessee to seventh place, just

3 contacts behind K6LA. K5GA managed to operate the full 24 hours this year from WX0B in North Texas to finish eighth. N6RT pushed the big station of W6EEN to ninth.

In 2000, N9RV finished 12th overall. In 2001, Pat moved up to number 11. This year he made it to number 10, a fantastic accomplishment from the Midwest. After falling behind on Saturday, Pat had a big day on Sunday to move up against the competition. As with others in the middle of the country, it was the short skip on 20

The Value of Accuracy

It is generally agreed that the goal of a contest is to test and measure each competitor's ability to correctly exchange information with others. It is the need to verify the information exchange that requires us to submit logs as part of our entry.

The tables below provide some insight into the log checking results as they applied to members of the Top Ten in each category. A few terms are necessary to help understand the tables:

Raw Qs: The number of contacts

found in the log submitted by the entrant.

Dupe: Contacts that are found as duplicates in the log. There is no penalty for duplicate contacts.

Bust: Contacts where some element of the exchange was copied incorrectly. Busted contacts result in loss of that QSO.

Pnnty: Number of contacts where the callsign was copied incorrectly or the contact could not be found in the other station's log. The result is loss of that QSO plus one penalty QSO.

%Bad: The percentage of contacts that were busted in this log.

Time: The number of minutes of operating time calculated from the log. 1440 minutes is the maximum allowed and any contacts logged after that amount of time are removed from the final score.

You can view your own log checking results by visiting www.arrrl.org/members-only/contests/lcr.html in the member's only area of the ARRL Web site.

High Power Category

Call	Raw Qs	Dupe	Bust	Pnnty	Mlt	Score	%Bad	Time
WP3R (KE3Q, op)	1538	27	38	5	80	234,880	2.5	1437
KH7X (KH6ND, op)	1448	7	27	6	80	225,280	1.9	1434
N2IC	1419	0	21	3	80	223,200	1.5	1434
N5RZ	1417	3	28	4	80	220,640	2.0	1444
W0SD (WD0T, op)	1421	3	41	14	80	218,080	2.9	1420
K6LA	1380	13	15	2	80	215,840	1.1	1441
W4PA	1377	0	26	3	80	215,680	1.9	1437
WX0B (K5GA, op)	1359	2	12	3	80	214,720	0.9	1431
W6EEN (N6RT, op)	1349	0	12	2	80	213,600	0.9	1437
N9RV	1363	0	18	7	80	212,960	1.3	1445

Low Power Category

Call	Raw Qs	Dupe	Bust	Pnnty	Mlt	Score	%Bad	Time
K4WX	1260	0	12	3	80	199,200	1.0	1428
NP2B (N4BP, op)	1199	1	7	2	80	190,240	0.6	1440
W4OC	1221	3	34	6	80	188,160	2.8	1441
K0EU	1219	3	28	6	79	186,756	2.3	1439
K7BG	1215	11	17	8	78	183,924	1.4	1440
AG9A	1142	1	13	3	80	180,000	1.1	1429
K5WA	1115	10	16	3	80	173,760	1.4	1366
N0AT (N0KK, op)	1108	1	18	5	80	173,440	1.6	1432
N4WW (K0LUZ, op)	1146	6	48	10	80	173,120	4.2	1436
K0DI	1090	4	13	1	80	171,520	1.2	1432

QRP Category

Call	Raw Qs	Dupe	Bust	Pnnty	Mlt	Score	%Bad	Time
W5WMU (N6TR, op)	1105	1	6	2	79	173,168	0.5	1432
K7UP	881	0	10	3	79	137,144	1.1	1435
K4AO	814	0	9	1	76	122,208	1.1	1283
K7MM	793	6	13	3	78	120,276	1.7	1431
KG5U	772	0	10	4	78	118,248	1.3	1257
W9WI	761	0	10	4	79	118,026	1.3	1171
N7IR	765	0	7	1	77	116,578	0.9	1438
K4RO	771	5	22	8	79	116,288	2.9	1318
N0UR	752	0	14	6	78	114,192	1.9	1409
N2CU	725	0	4	3	79	113,444	0.6	1435

Unlimited Category

Call	Raw Qs	Dupe	Bust	Pnnty	Mlt	Score	%Bad	Time
K6LL	1376	2	14	2	80	216,800	1.0	1445
K6XX	1281	21	36	6	80	194,880	2.9	1401
W4MR (AA4NC, op)	1249	5	30	5	80	193,280	2.4	1441
KD4D	1145	26	10	3	80	176,960	0.9	1437
WA6O	1128	14	39	7	80	170,400	3.5	1444
K7OX	1136	9	50	22	80	168,800	4.4	1435
N5NA	1060	0	18	2	80	166,400	1.7	1324
N2WW	1103	4	64	7	79	162,266	5.8	1441
N2MM	1088	0	63	11	80	162,240	5.8	1434
K9NR	1033	4	61	12	80	152,960	5.9	1419

Multioperator Category

Call	Raw Qs	Dupe	Bust	Pnnty	Mlt	Score	%Bad	Time
K0RF	1400	11	30	2	80	217,120	2.2	1430
K6AM	1374	2	36	3	80	213,280	2.6	1439
N6VR	1396	4	58	7	80	212,320	4.2	1433
K9NS	1418	20	71	4	80	211,040	5.1	1445
W6YX	1366	23	25	4	80	210,240	1.9	1439
K8CC	1246	2	36	4	80	192,640	2.9	1439
W5TM	1210	0	47	9	79	182,332	3.9	1436
WR3L	1198	0	51	10	80	181,920	4.3	1437
K0WA	1235	6	65	13	79	181,858	5.3	1435
W7CT	1175	10	41	6	80	178,880	3.5	1439

meters that made the difference.

Pat had a little luck as well. N2NC and K5ZD both had enough QSOs to make the Top Ten, but each missed NL for the sweep.

Unlimited Category

The Single Operator Unlimited category continues to grow with 140 logs submitted this year. It is the category of choice for operators who want to use packet to search out new contacts and make sure they get the sweep.

K6LL operated his modest single-tower station in Arizona to a dominating victory and a new all time category record score.

K6XX moved up from fifth place last year to take second spot this time. Only 10 contacts behind, AA4NC operated W4MR to extend his Southeast Division record. KD4D used the impressive antenna

Expanded Results, Line Score Printouts Available

For complete contest results on-line, please visit www.arrrl.org/contest.results/. ARRL members without Internet access may obtain a printout of the complete line scores by sending a self-addressed, stamped envelope to ARRL Contest Results, 225 Main St, Newington, CT 06111. Please be sure to include the contest name and year.


system at N3HBX in Maryland to take fourth. WA6O just got by K7OX for fifth.

Multioperator Categories

K0RF and operating partner W0UA won the multioperator category for the

second year in a row. Chuck was frustrated with their start; "We had about 100 computer crashes and took ½ hour off time in the first 3 hours because of crashes." He credited George with keeping them going, "We were 100 QSOs behind the pack. George did an outstanding job on 40 to bring us back to respectable."

The battle for second place was between two California stations. K6AM, operating from W6KP, managed a 6 contact lead over N6VR. K6AM summarized their effort, "Great conditions from the West Coast this year. Everything worked great. No computer crashes." Only 8 contacts back, the multiop powerhouse at K9NS achieved another Top Ten result. The Stanford University club station, W6YX, was a close fifth.

The next running of the Sweepstakes CW will be the weekend of November 1-2, 2003. Be there and bring a friend! 

Iowa					
N0AV	169,920	1062	80	A	
WB0B	64,894	457	71	A	
N0AC	59,128	389	76	A	
NS0B	39,902	281	71	A	
K0BL	10,200	100	51	A	
KB0JSH	3,520	55	32	A	
KF0Z	3,200	50	32	A	
N0PP	2	1	1	A	
K9IUA	25,608	194	66	Q	
NU0Q	53,088	336	79	U	
KE0FT	36,190	235	77	U	
K0INR	28,050	187	75	U	
Kansas					
W0UY	58,824	387	76	B	
AB0WR	19,520	160	61	B	
K0VBU	127,984	842	76	A	
AA0FO	120,712	764	79	A	
K0PY	95,628	613	78	A	
W0YRN	23,936	176	68	A	
WB0YJT	20,532	174	59	A	
K0RY	18,876	143	66	A	
KA0BHO	9,494	101	47	A	
AC0E	38,250	255	75	U	
K0WA (+K0BJ, W0NO, AB0S)	181,858	1151	79	M	
Minnesota					
W0OR	161,002	1019	79	B	
W0AA (K0HB, op)					
	154,720	967	80	B	
K0AD	147,360	921	80	B	
W0HW	97,950	653	75	B	
WA0MHJ	90,060	570	79	B	
K0CAT (K9WIE, op)					
	23,808	192	62	B	
N0AT (N0KK, op)					
	174,080	1088	80	A	
K0SR	170,976	1096	78	A	
K0OB	165,120	1032	80	A	
NA0N	149,310	945	79	A	
N0IJ	148,994	943	79	A	
W0ZQ	136,188	873	78	A	
KM0O	122,924	778	79	A	
W0PI	107,040	669	80	A	
N0FP	98,750	625	79	A	
K0MPH	97,174	631	77	A	
WA2MNO					
	93,176	613	76	A	
K0TK	73,458	477	77	A	
K0KX	72,522	459	79	A	
N0BUI	68,838	447	77	A	
N0HJZ	61,600	400	77	A	
W0BV	58,350	389	75	A	
K0TG	49,542	359	69	A	
KJ0B	48,900	326	75	A	
K0IR	34,408	253	68	A	
N0IM	33,592	247	68	A	
KN0V	26,780	206	65	A	
K0UH	23,280	194	60	A	
KS0T	23,200	200	58	A	
AC0X	20,770	155	67	A	
AA0AW	18,228	147	62	A	
WA0RBW	13,260	130	51	A	
WA0W0V	11,660	110	53	A	
KI0F	9,880	130	38	A	
AC0W	9,100	91	50	A	
K0XH	6,160	77	40	A	
N0UR	114,192	732	78	Q	
K0PC	99,022	643	77	Q	
N0HRL	15,732	138	57	Q	
N0UK	6,440	70	46	Q	
KT0R	133,036	842	79	U	
W0AMT	8,200	100	41	U	
K0JE (+K0JA)					
	54,760	370	74	M	
Missouri					
K0OU	170,080	1063	80	B	
K0DEQ	160,370	1015	79	B	
WN0X	97,736	643	76	B	
K0JPL	92,588	586	79	B	
W0TT	47,472	344	69	B	
WA0OTV	3,150	45	35	B	
KA0GGI	124,640	779	80	A	
WA0IYY	85,120	560	76	A	
W0SLW	44,506	289	77	A	
KS0M	26,000	200	65	A	
WA0RAD	21,798	173	63	A	
N0EID	20,272	181	56	A	
WB8EJN	16,104	132	61	A	
NM0X	15,600	150	52	A	
AD9P	10,706	101	53	A	
KA0P	6,160	70	44	A	
K0LWV	2,900	50	29	A	
N0SS	94,556	614	77	Q	
K0CA	51,520	322	80	U	
AE9B	15,168	158	48	U	
AA0A	6,804	81	42	U	
KB0VVT (+KG0US)					
	158,880	993	80	M	
Nebraska					
K0DI	171,520	1072	80	A	
K0DG (W0DB, op)					
	159,580	1010	79	A	
N9JF	121,198	787	77	A	
W8TM	84,816	558	76	A	
K0IL	40,256	296	68	A	
K0NC	28,800	192	75	A	
North Dakota					
WB0O	212,000	1325	80	B	
N7IV	87,856	578	76	A	
K0VX	49,392	343	72	A	
KE0A	6,232	82	38	A	
AG0T	31,680	240	66	Q	
W0WT	3,080	44	35	Q	
South Dakota					
W0SD (W0DT, op)					
	218,400	1365	80	B	
KC0IOX	7,200	90	40	A	
K7RE	87,892	602	73	Q	
KE0Z	76,050	507	75	Q	
Canada					
Maritime-Newfoundland					
VE1AOE	46,746	371	63	A	
VE1OP	143,148	906	79	U	
Newfoundland-Labrador					
VO1MP	36,584	269	68	A	
VO1HP	588	21	14	A	
Quebec					
VE2AWR					
	115,340	730	79	A	
VE2CUA (N1RL, op)					
	105,490	685	77	A	
VE2FFE	46,292	326	71	A	
VE2CU	27,852	211	66	A	
VE2OWL	15,240	127	60	A	
Ontario					
VE3EJ	23,450	175	67	B	
VE3DZ	156,160	976	80	A	
VE3XB	131,840	824	80	A	
VE3IAY	100,254	651	77	A	
VE3CR	80,422	509	79	A	
VA3TEE	66,600	444	75	A	
VE3BUC	63,990	405	79	A	
VE3GLO	59,792	404	74	A	
VE3STT	48,020	343	70	A	
VE3GSI	40,158	291	69	A	
VE3RCN	28,380	215	66	A	
VA3SK	920	23	20	A	
VE3XAX	88,296	566	78	Q	
VE3WZ	13,970	127	55	Q	
VE3IGJ	6,630	85	39	Q	
VA3NR	82,992	532	78	U	
Manitoba					
VE4VV	146,240	914	80	A	
VE4YU	51,984	342	76	A	
VE4XT	29,056	227	64	A	
VE4GV	75,460	490	77	Q	
Saskatchewan					
VE5SF	145,202	919	79	A	
VE5MX	71,302	463	77	A	
VE5AAD	60,444	438	69	A	
Alberta					
VE6JY (VA6WGO, op)					
	131,140	830	79	B	
VE6EX	11,990	109	55	Q	
VE6AO (VE6KC, VE6JAZ, VE6TC, op)					
	47,570	335	71	M	
British Columbia					
VE7CC	166,080	1038	80	A	
VE7YU	107,172	687	78	A	
VE7XB	94,240	620	76	A	
VE7FO	70,350	469	75	A	
VE7ASK	51,840	360	72	A	
VE7IN	24,310	187	65	A	
VE7NI	9,500	95	50	Q	
VA7MM	7,440	93	40	Q	
Northwest Territories					
VY1JA	70,224	456	77	B	
	229,120	1432	80	B	
VY1MB	117,440	734	80	A	