



# ARRL CW Sweepstakes 2014 Results

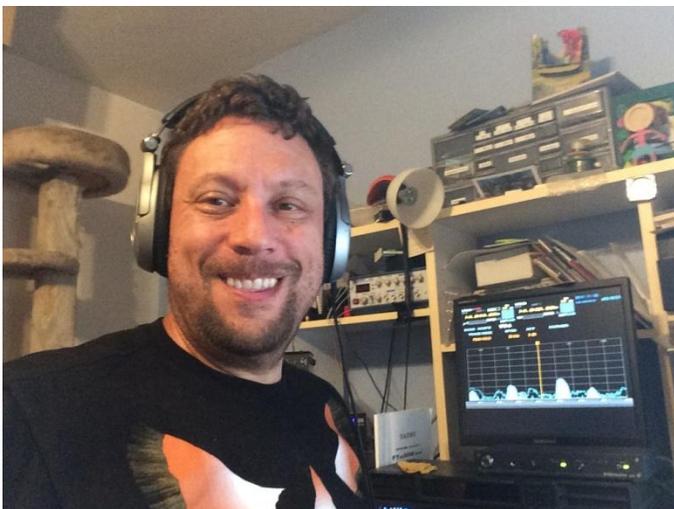
By Kelly Taylor, VE4XT, ve4xt@mymts.net



## Tube or not tube – that was the question!

None of the overall records fell and scores were down almost across the board, but the Sweepstakes continues to be a popular contest, with 1,300 operators submitting logs recording their efforts on November 1st-3rd and countless others who make QSOs without sending in an entry.

The reasons for operating are as varied as the operators. Such as Dan, VE6EX, riding a hot 15 meters to win QRP and setting a Canadian record from a suburban Calgary, Alta., home. Or the crew at VE4DR walking away with the multioperator, low-power category from the Manitoba Amateur Radio Museum in tiny Austin, Man., and also setting a Canadian record in the process.



Eric, NC6K, put in 12 hours of operating from the San Diego Section. He is wondering how to use the cat tree as a support for another antenna! (Photo by NC6K)

## Accuracy is for Winners

Operator accuracy played a key role in deciding two winners and one runner-up. In Unlimited, Low Power, Will, AA4NC, was beaten in raw numbers by No. 2 Gene, KB7Q, but Will's very good 1.3 percent error rate left enough QSOs in his log to take top spot. Similarly, in the School club category, W6RFU lost in raw score but won once log checking was complete.

In Unlimited, High Power, Dave, K1ZZ, was running neck and neck with No. 2 K9CT, especially considering Dave missed a sweep by one while K9CT scored all 83 sections. But when the dust settled, a big part of the

difference could well have been Dave's stellar 0.8 percent error rate.

### Accuracy Honor Roll

Call	Category	QSOs	Error Rate (%)
KL9A/W7	UL	161	0
W1MJ	A	115	0
N9CK	A	609	0.3
NAØN	A	1020	0.4
W7RN (N6TV, op)	B	1355	0.4
NR5M (K5GA, op)	B	1266	0.5
VE3KI	Q	601	0.3
N7IR	Q	626	0.5
K1ZZ	UH	1291	0.8
W3LL (ND3D, op)	UH	861	0.9
NWØM	UL	691	0.6
W7ZRC	UL	802	0.7

In High Power (B), accuracy didn't decide the winner, but is it possible it determined the runner-up? Pat, N9RV, scored well enough in raw QSOs to survive losing the accuracy battle to Bob, N6TV, at W7RN. We will never know for certain, but did Bob's quest for the holy grail of accuracy cost him the win? It should be pointed out Bob's 0.4% error rate was No. 1 among all Top 10 entries.

Pat agrees that in a contest such as SS, accuracy is important, but suggests he needs to work on his 1.3 per cent error rate. "I am the last person to talk to about accuracy unless you want to learn how not to do it. N2IC is the gold standard, with N6TV right up there as well," he said. "But I would certainly agree that accuracy is very important and that this is a continuous challenge for me; 1.3 per cent is just not good enough. I'd love to hear from Steve and Bob about how they do it — there clearly is a very minimal trade off between accuracy and rate because those guys have always done it."

For his part, Bob, N6TV, doesn't make any bones about striving for accuracy. "Yes, I do wonder if it is hurting or helping my score to strive for accuracy," he said. "I wonder if I am asking for more fills and repeats than most people, and if that is making a significant negative impact on my score. Most of the time, when I ask for a repeat, it turns out that I copied it OK the first time. But I

still feel I should be doing it, since copying information correctly is the entire point of a contest exchange.”

Analyzing the results wasn't lost on Bob. “It looks like I lost 8 QSOs in log checking vs. 20 for N9RV, but he still finished 48 QSOs ahead after log checking, or two contacts per hour,” he said. “In claimed scores, he was 60 QSOs ahead, or 2.5 per hour. Perhaps it would have been a closer horse race if I had worried less about accuracy, but it is hard to know.”

Golden logs — those with zero errors — are hard to come by in Sweepstakes due to the extra-long exchange compared to other contests. The largest this year were from KL9A/W7 with 161 QSOs and W1MJ with 115.

### Winning — a Hollow-State of Mind

Contesting is all about operating costly superstations with robot-like efficiency and no distractions, yes? Well, don't tell that to Dan, VE6EX; Jim, N2EY; or, for that matter, John, AD8J.

It's not too often a home-made, tube-based rig factors into any category victory, but such was VE6EX's magical 24 hours of Sweepstakes. Dan normally operates a Kenwood TS-690 but for 2014 also fired up his four-tube “fox-hunt” transmitter with a 5763 final and a homebrew VFO (seen below in the photo) to add some hollow-state operation in a category almost exclusively solid-state these days.



“I started hamming in the 1950s and that rig is from then,” he said. “It can do five watts out on the lower bands without sweating too hard.” Dan made contacts with a combination of TS-690 and Tube Tuna Tin ([www.qsl.net/wd8das/T5pix.html](http://www.qsl.net/wd8das/T5pix.html)) rigs to win the QRP category of 2014 Sweepstakes from Calgary, Alberta. When fishing for contacts, a Drake R-4C handled receive duties. His 847 contacts and 81 sections handed him the

QRP category and a Canadian QRP record, good for a 5,000-point victory over Ken, KE3X, operating at N4RV in Virginia. Ken worked one more mult, but it wasn't quite enough with 807 QSOs. The closest anyone in Q came to a sweep was 82.

Dan didn't track exactly the number of contacts on his Tube Tuna Tin, but said it made at least all of his 80 and 40 meter contacts, or about 96 in total. He said the Tuna isn't the greatest on the high bands, so he stuck to his Kenwood for most of those. (The Tuna Tin name derives from a design by the legendary Doug DeMaw, W1FB (SK) in the May 1976 issue of QST.) The rest of the station is similarly modest, with a three-element TA-33 trapped tribander and wire dipoles on the lower bands all crammed into a city lot.

The win was even more remarkable given that his Calgary QTH is plagued by high noise, as much as 10 to 20 dB over S9 on the low bands. Fortunately, 15 was his money band, with 457 QSOs, more than all the other bands combined. The neighbours also factor into Dan's choice of categories. “Not a hope of running low power, by the way. Huge complaints from all the houses, but QRP is all OK, so using an amp is a dream.”

Watch for Dan coming up from a new contest QTH near the picturesque resort town of Banff, Alta., where he hopes to make a run to qualify for WRTC 2018.

Top Ten – QRP (Q)	
VE6EX	137,214
KE3X (@N4RV)	132,348
KØAV	123,820
NØAX	119,884
N1RR (@K1TTT)	111,132
N5EE	106,764
NN7SS (K6UFO, op)	105,786
KØOU	101,898
N7IR	101,412
W7YAQ	99,220

Across the continent in Eastern Pennsylvania, Jim, N2EY, used homebrew equipment exclusively for his 450 QSOs and 80 sections. His Type 7 is a 100-watt CW transceiver for 80, 40 and 20 meters. It is a model of frugality, assembled from parts found at hamfests, spirited out of old television sets, and Second World War surplus components. It uses a 12-tube single-conversion receiver and parts from a modified BC-221 frequency meter for tuning. The transmitter, which borrows the receiver's VFO, uses a 12BY7 to drive a pair of 807s.



*Jim, N2EY calls this 100 % vacuum-tube rig a Southgate Type 7, built in the 1990s to replace his former rig, also homebrew, called the Southgate Type 6. (Photo by N2EY)*

His antenna is an 80/40 trap dipole (homebrew, of course) in inverted-V configuration with the apex at about 40 feet. He says it also works well on 20, evident by the 180 20 meter QSOs in the log. Like Dan, Jim's station is on an average-sized city lot.

"The first key challenge to operating homebrew gear in SS is coming up with a suitable design for a rig, particularly if you want to use tubes, run more than QRP power, and build the thing out of available parts and without a shop full of fancy tools and test equipment," Jim says. "Suitable designs just don't exist in amateur publications. There are plenty of designs for hollow-state receivers and transmitters using tubes, but when you want a 100-watt band-switching CW transceiver it's drawing-board time."

"The second key challenge in operating homebrew gear in SS is that band-changing is a little more complicated. However, once you are used to the rig, 30 seconds is more than enough time to change bands." Jim's transceiver might look like separate units, but it's actually a transceiver that happens to be spread across multiple chassis.

Jim upgraded to computer logging in 2007, mainly to eliminate manual dupe-checking, and recently added a keying interface. Between his rig, scrounged computer parts and keying interface, Jim's costs were about \$120. "If, someday, using homebrew gear became impractical for me, I might go to 'modern' gear, but I don't see that happening any time soon," Jim said. Instead, Jim's already looking forward to building a Southgate Type 8. Stay tuned.

## The Thrill of the Chase

If John, AD8J, decides to enter a sprint contest or any other contest requiring a name in the exchange, he might want to choose Sylvester — as in Sylvester the Cat. "I was operating and I saw a movement out of the corner of my eye," John said of his effort in Sweepstakes. "It was a mouse running across the carpet in the shack." Suffrin' succotash — talk about breaking up a run!

"I hated to lose my run frequency but this couldn't wait. I grabbed the towel I use to rest my arm on, yelled for the XYL and took off after that bad boy. He ran under a couch. With the XYL's help, I tipped the couch over on its back and pounced on the cowering little guy with the towel. I was then able to take him outside and release him. That was almost as much fun as working rare ND." Sorry, but we don't have any photos of this inter-species QSO! When John wasn't chasing rodents, he was racking up a respectable 723 contacts in 81 sections in A category from his North Carolina station.

## A Little Too Much Excitement

Ever been operating and had your computer logging system go south? You probably thought, "Gee, I bet this doesn't happen to the winners." You'd lose that bet.



*Low Power winner, Kirk, K4RO, is also a former National Contest Journal editor and has devoted many hours over the years to the magazine. (Photo by K4RO)*

"Well, I didn't find it humorous, but it would have been to someone else watching," said Low Power (A) category winner Kirk, K4RO. "This was my first serious attempt with N1MM Plus. After a few minutes and nine QSOs, it became apparent that the second radio function keys were not working. After short panic, I had to stop the contest and start over again (at serial No. 1) with N1MM Classic. Those were some exciting moments at the start."

Kirk, K4RO, has been on the podium before, but in QRP. This is his first victory in Low Power and he's the first to admit surprise. Matt, K7BG, and Bill, K2PO, took second and third, respectively. "Well, obviously it wasn't my accuracy that won the game. I'm not a CW ace, and that shows in my error rate. I haven't seen the logs from K7BG or K2PO, so it's hard to tell what made the difference. I was surprised to hang in there with those two great ops," Kirk said.

Truth be told, Kirk doesn't have much to apologize for in accuracy: he held only a slight margin in raw QSOs and lost only 29 QSOs to log-checking. Second place was a different matter: Matt and Bill finished tied in raw scores at 1,106 QSOs and sweeps. When the checking was over, Matt had 1,085 Qs to Bill's 1,069.

Top Ten – Low Power (A)	
K4RO	184,758
K7BG	180,110
K2PO	177,454
KP2RUM (N4BP, op)	176,300
NAØN (@WØZT)	165,240
NP3A	164,492
NØAT (NØKK, op)	162,324
K4XU	161,186
KØAD	159,900
N8SS	159,572

Kirk likes Sweepstakes for a few reasons; it rewards perseverance, the work-only-once rule means operators don't need a superstation to win and the determined operator has a legitimate chance at working all the available multipliers. "The techniques for A power are different than QRP. For starters, it is much easier to hold a run frequency. The skills acquired during 10 years of QRP SS were still very helpful using A power. No matter which category, you have to try to work every station possible to succeed in SS," Kirk writes.

Kirk is a determined SO2R (single-operator, two-radio) operator, but he admits splitting concentration hurts his accuracy. "I am pretty adamant about pushing the second radio hard, and that has its pluses and minuses. On the plus side, I wind up with more QSOs. On the minus side, my error rate increases as I try to split my concentration between two audio streams."

Or maybe there wasn't enough excitement? Pat, N9RV, won the High Power (B) category but not without some serious concerns about conditions from his northern QTH in Montana. "Got a great start on 10 and 15 (and) had high hopes. Conditions were great on 40, but I couldn't

get anything going (and I) was beginning to think that this would be another year back in the pack." As expected, he was in a battle with both Bob, N6TV, at W7RN in Nevada and Steve, N2IC, in New Mexico. He didn't realize until looking at the results that scores were down for 2014.

"I am not one of those guys who is constantly looking at last year's rate sheet, except for the information about when I quit for the night, etc.," he said. "What I do notice during the contest is propagation — is 10 meters open, how is the absorption on the low bands, etc. And of course I notice who is ahead of me when we work. But how this year's score is doing versus last year's isn't part of the equation for me."

Top Ten – High Power (B)	
N9RV	232,898
W7RN (N6TV, op)	224,930
N2IC	213,974
N2NT (N2NC, op)	212,148
NR5M (K5GA, op)	210,156
W9RE	207,952
K6LA	206,172
N4OGW	205,674
AA3B	201,556
WXØB (AD5Q, op)	200,528

Pat reminds us that Sweepstakes requires stamina and not becoming discouraged as the one-QSO-per-station results in a slow pace on Sunday. "Saturday SS is really fun with watching the numbers pile up, as long as you remember that Sunday is coming. Sunday SS is like a long car ride with a bunch of people where you've all told every story you know and there are still hours left to go." His story-telling abilities held up, allowing him to finish ahead of W7RN and N2IC by 9,000 and 19,000 points, respectively.

### Accuracy Takes the Prize

Another category with a clear-cut case of accuracy winning the day is Unlimited, Low Power (UL). Will, AA4NC, who has in the past used a club call (W4MR) but has always played at home, is the winner here. Thanks to his Clean Sweep, he was already winning before log checking, but KB7Q's extra 30 QSOs meant that had Gene only matched Will's accuracy, he'd have won by about 2,000 points.

Top Ten – Unlimited, Low Power (UL)	
AA4NC	174,134
KB7Q	169,904
K5CM	157,950
N9CO	155,472
K8BL	155,044
KY4F	153,176
N5DO	150,388
W1UJ	147,420
N2MM	142,024
KØNE	139,072

It's Will's first time to win, after finishing in the top three and top five in the past. He attributes part of this to a recent focus on copying correctly. "It is interesting that this win basically came down to more accuracy," he said. "Since the accuracy numbers have been published in recent years, I have been interested in comparing my numbers with others that I'm competing against and trying to consciously improve my accuracy.

"My recipe for increased accuracy has simply been to not let the quest for rate stop me for asking for a fill or repeat. In prior years, I was more hesitant to slow down and ask when I wasn't sure because I was overly focused on rate. In contests with complex exchanges such as SS, accuracy has to be your focus."

For Will, AA4NC, who has placed strongly in other categories over the years, Sweepstakes has become as regular as a November turkey dinner. "I have operated SS for many years. It has become a winter tradition for me. One of my goals is to set a state or division record for as many categories as I can. This gives me an opportunity to see the contest from different angles and hopefully improve my operating skills in the process," he said.

Similarly in Unlimited, High Power (UH), Dave, K1ZZ, was winning this category going into log checking but, consider that Dave missed a section compared to second-place operator Craig, K9CT, who scored a sweep. If you transposed their error rates, Craig would have won handily.

Still, Dave is humble in victory. "The only advice I can offer about accuracy is to copy what is sent and to ask for a repeat if you're not sure. SS victory margins are so tight and Sunday afternoons are so slow, that it makes no sense to sacrifice accuracy for rate when so many logs are available for cross-checking.

"I regard the four guys with bigger scores in the non-assisted category as having beaten me, but I still feel good about the result given the rarity of 200K+ CW SS scores from New England in any category," Dave writes. "My best result at the national level was No. 2 in the 1969 CW SS from W8SH. Being able to be competitive 45 years later is one of the best things about CW contesting."

Dave points out he made nearly 1,000 QSOs on 40m, courtesy a four-element yagi at 130 feet. "It went up three years ago and was intended for DX contests, but this year, at least, it also worked well for SS."

Top Ten – Unlimited, High Power (UH)	
K1ZZ	211,724
K9CT	201,026
K6LL	200,362
KTØA	194,054
W6YX (N7MH, op)	186,086
W1SRD	184,592
N4ZZ	182,434
KH7XX (KH6SH, op)	182,434
K6SRZ	176,628
WØZA	176,464

### Good Friends and a Good Score

For multioperator stations, the contest is about the camaraderie of coming together on a common goal. The Multioperator, High Power (MH) winning team at W6YI took 2013 off but wanted to resume their winning streak. Jim, W6YI, had a stellar crew lined up. "This time, three of us were veterans of WRTC2014. WRTC champ Dan, N6MJ, had to miss all day Sunday but really smoked on Saturday. John, K6AM, was the glue to keep us on track as we all had some missing time due to other commitments. John's partner, David, N6AN, kept us running on Saturday. Marko, N5ZO, helped us on Sunday and kept our rate up while Dennis, N6KI, was our night relief." Another winning streak, coming right up!

For Multioperator, Low Power (ML) winner VE4DR, the goal was a reunion of operators from as far away as British Columbia, Montana and the Toronto, Ontario area. It's been a while since a VE4 was at the top of the national record charts, so installing themselves as a new Canadian record holder felt especially good.

<b>Top Ten – Multioperator, High Power (MH)</b>	
W6YI	231,238
WØSD	223,104
KØRF	217,128
KL7RA	214,804
W5RU	209,326
W2FU	207,832
W4RM	197,872
ABØS	186,750
N4GI	181,604
KY7M	171,708
<b>Top Ten – Multioperator, Low Power (ML)</b>	
VE4DR	155,308
NX6T	151,724
NØUR	147,928
W8TK	143,092
K9MOT	106,758
KEØL	87,248
W6K	73,224
N3FJP	71,176
KA9VVQ	46,576
N9MT	45,122

the Manitoba Amateur Radio Museum in Austin, Manitoba, about 85 miles west of Winnipeg, made it that much more special. “By operating at the Manitoba Amateur Radio Museum, we were able to support and attract a little more publicity for this wonderful national museum on such a scenic and attractive site. It helped that the weather was warm and sunny!”

The operation brought together Eric; Fred, KE7X; Vic, VE3YT; Bill, VE3BXI; and Chet, VE3CFK. They used the museum’s tribander at 50 feet and brought and assembled a 40 meter four-square to improve their 7 MHz numbers.

### Big Ham on Campus

The tiniest category in SS is usually home to the epic battle between Stanford and Hesston: the big-name university versus the small but proud faith-based community college. While the battle may still have been epic, it didn’t involve Stanford (W6YX) this year. Bob, WØBH, who has often piloted Hesston’s KØHC to the top, was on track to take the title again, but playing spoiler this time was Steve, AC6T, operating at the University of California Santa Barbara station, W6RFU.

<b>Top Scores – School Club (S)</b>	
W6RFU (AC6T, op)	176,126
KØHC (WØBH, op)	175,628
W4UAL	83,830
W8EDU (W8WTS, op)	32,390
K4KDJ	27,900
N5XU (AA5BT, op)	27,876
W8SH	17,710
W1AF (W1PL, op)	5,200

Like most such battles, this one came right down to the wire. Past it, actually, as Bob won in raw scores, but it was Steve who prevailed once the log-checking was complete. “I was so surprised I ended up in first place,” Steve said. “KØHC was well ahead in QSOs. Also, I assumed W6YX (Stanford) would enter in the S category. If that was the case, we were toast.” As it turned out, W6YX entered the Unlimited, High Power category and W6RFU grabbed the top spot.

“I was so surprised I ended up in first place,” Steve said. “KØHC was well ahead in Qs. Also, I assumed W6YX (Stanford) would enter in the S category. If that was the case, we were toast.”

That it was his accuracy that put him over the top is gratifying, but not expected. “Well, I’m not obsessive about it, but I make it a practice to request a repeat if my



*The VE4DR team used the museum’s tribander at 50 feet and brought and assembled a 40 meter four-square shown here to improve their 7 MHz numbers. (Photo from VE4DR)*

Eric, VA7DZ, said the group was initially motivated to operate from Manitoba due to the then-rarity of the section. “It’s still relatively rare, although much less so recently with the formation of Radiosport Manitoba,” Eric said. (Full disclosure: the author is a founding member.) That they won surrounded by a treasure trove of Amateur Radio history, operating from the station at

"intuition sensor" tells me I may have missed something," he said. "In SS past, the most errors tend to be on the number and check. A missed dit due to a noise spike. And sometimes those QRP guys are really weak — 5w to a rain gutter etc. If I'm not sure and the station goes away I usually delete the QSO."

Steve said he will try hard to get it right but will walk away from a Q if it's going to cost him too many other QSOs.

### **On Your Marks, Get Set, Sweep!**

The 2014 CW Sweepstakes managed to write some compelling stories, including 102 Clean Sweeps of all 83 sections. Thanks again to Icom America for guaranteeing 100 % plaque sponsorship, as well!

The 2015 contest runs from November 7th through the 9th. However (and whatever) you choose to operate, have fun and log a story of your own!

## Regional Leaders

Single-Operator, High/Low/QRP – B/A/Q; Single-Operator Unlimited, High/Low Power – UH/UL; Multioperator, High/Low Power – MH/ML; School Club - S

Northeast Region			Southeast Region			Central Region			Midwest Region			West Coast Region		
New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections			Delta, Roanoke and Southeastern Divisions			Central and Great Lakes Divisions; Ontario Section			Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections			Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections		
Call	Cat	Score	Call	Cat	Score	Call	Cat	Score	Call	Cat	Score	Call	Cat	Score
N2NT (N2NC, op)	B	212,148	N4OGW	B	205,674	W9RE	B	207,952	N2IC	B	213,974	N9RV	B	232,898
AA3B	B	201,556	N4AF	B	198,276	K1LT	B	171,872	NR5M (K5GA, op)	B	210,156	W7RN (N6TV, op)	B	224,930
KD4D	B	180,892	K4BAI	B	181,602	AA9A (N0G6N, op)	B	163,782	WX0B (AD5Q, op)	B	200,528	K6LA	B	206,172
K5ZD	B	175,480	NX4N	B	179,778	W5MX	B	162,196	N5RZ	B	199,532	K6XX	B	199,752
KD2RD	B	173,016	K0LUZ	B	177,122	WI9WI	B	152,640	K5TR (K5OT, op)	B	198,536	VE7SZ (KL7SB, op)	B	191,398
WY3A	A	152,056	K4RO	A	184,758	N8SS	A	159,572	NA0N (@W0ZT)	A	165,240	K7BG	A	180,110
W2LK	A	142,024	KP2RUM (N4BP, op)	A	176,300	W1NN	A	156,784	N0AT (N0KK, op)	A	162,324	K2PO	A	177,454
K3AJ	A	141,598	NP3A	A	164,492	AJ9C	A	154,324	K0AD	A	159,900	K4XU	A	161,186
K1XM	A	137,596	KU8E	A	151,700	W8CAR	A	152,356	W8FN	A	147,928	AA6PW	A	149,400
K3UA	A	135,464	N4PN	A	148,404	KV8Q	A	131,528	N0AC	A	144,180	W9CF (@K8IA/N7RQ)	A	148,912
N1RR (@K1TTT)	Q	111,132	KE3X (@N4RV)	Q	132,348	VE3KI	Q	98,564	K0AV	Q	123,820	VE6EX	Q	137,214
K8CN	Q	84,132	N5EE	Q	106,764	KT8K	Q	90,396	N0AX	Q	119,884	NN7SS (K6UFO op)	Q	105,786
W1QK	Q	81,120	WF7T	Q	89,262	VE3VN	Q	86,400	K0OU	Q	101,898	N7IR	Q	101,412
K2QO	Q	76,314	K3TW	Q	88,724	K9UIY	Q	85,116	K0PC	Q	97,686	W7YAQ	Q	99,220
NA1CC	Q	63,358	K4QPL	Q	85,374	K9XZ	Q	73,944	KE0Z	Q	73,470	W6JTI	Q	94,770
K1ZZ	UH	211,724	N4ZZ	UH	182,434	K9CT	UH	201,026	KT0A	UH	194,054	K6LL	UH	200,362
N3RR	UH	172,856	N1LN	UH	161,352	VE3CX	UH	163,016	W0ZA	UH	176,464	W6YX (N7MH, op)	UH	186,086
KI1G	UH	170,814	K1ZZI	UH	153,052	NE9U	UH	155,044	N0XR	UH	170,724	W1SRD	UH	184,592
AB3CX	UH	165,502	N4DW	UH	150,060	K9NR	UH	153,384	K5RT	UH	165,502	KH7XX (KH6SH, op)	UH	182,434
WR3Z	UH	164,430	N1TO	UH	138,580	K8AZ (K8NZ, op)	UH	134,622	N5ZC	UH	164,838	K6SRZ	UH	176,628
W1UJ	UL	147,420	AA4NC	UL	174,134	N9CO	UL	155,472	K5CM	UL	157,950	KB7Q	UL	169,904
N2MM	UL	142,024	KY4F	UL	153,176	K8BL	UL	155,044	N5DO	UL	150,388	W7ZRC	UL	131,528
NT2A	UL	121,688	WD4AHZ	UL	135,956	K9WX	UL	119,884	K0NE	UL	139,072	N6EE	UL	111,848
WQ2N	UL	113,324	N4UW	UL	128,982	KB9S	UL	114,308	K1KD	UL	121,920	K9JM	UL	110,224
N3HEE	UL	111,684	W4MPS	UL	117,588	VE3MGY	UL	103,812	NM5M	UL	121,196	K07AA	UL	99,548
W2FU	MH	207,832	W5RU	MH	209,326	VE3MIS	MH	144,088	W0SD	MH	223,104	W6YI	MH	231,238
K3CCR	MH	72,738	W4RM	MH	197,872	W9YK	MH	68,224	K0RF	MH	217,128	KL7RA	MH	214,804
K1LZ	MH	72,504	N4GI	MH	181,604	KK9V	MH	1,242	AB0S	MH	186,750	KY7M	MH	171,708
AB2DE	MH	2,516	N4FX	MH	112,914	K9MOT	ML	106,758	NY6C	MH	151,470	K6MMM	MH	161,850
N3FJP	ML	71,176	W4ZYT	MH	61,560	KE0L	ML	87,248	K0HB	MH	144,088	K6LRG	MH	125,132
N2ASD	ML	25,488	KG4W	ML	31,416	KA9VVQ	ML	46,576	VE4DR	ML	155,308	NX6T	ML	151,724
W1AF (W1PL, op)	S	5,200	W4TG	ML	17,360	N9MT	ML	45,122	N0UR	ML	147,928	W8TK	ML	143,092
			W4HFH	ML	1,120	N9GTC	ML	2,000	N5PJ	ML	41,120	W6K	ML	73,224
			W4UAL	S	83,830	W8EDU (W8WTS, op)	S	32,390	KK5OV	ML	11,448	W6RFU (AC6T, op)	S	176,126
			K4KDJ	S	27,900	W8SH	S	17,710	K7EMR	ML	416			
									K0HC (W0BH, op)	S	175,628			
									N5XU (AA5BT, op)	S	27,876			

## 2014 ARRL CW Sweepstakes - Division Winners

Division	Call	Cat	Score	Division	Call	Cat	Score
Atlantic	AA3B	B	201,556	Northwestern	N9RV	B	232,898
	WY3A	A	152,056		K7BG	A	180,110
	K2QO	Q	76,314		NN7SS (K6UFO op)	Q	105,786
	N3RR	UH	172,856		K7RL	UH	176,292
	N2MM	UL	142,024		W7ZRC	UL	131,528
	W2FU	MH	207,832		KL7RA	MH	214,804
Canada	N3FJP	ML	71,176	Pacific	W7RN (N6TV, op)	B	224,930
	VE7SZ (KL7SB, op)	B	191,398		N6ZFO	A	124,476
	VA3DF	A	122,310		W6JTI	Q	94,770
	VE6EX	Q	137,214		W6YX (N7MH, op)	UH	186,086
	VE3CX	UH	163,016		N6EE	UL	111,848
	VE3MGY	UL	103,812		K6MMM	MH	161,850
Central	VE3MIS	MH	144,088	Roanoke	W6K	ML	73,224
	VE4DR	ML	155,308		N4AF	B	198,276
	W9RE	B	207,952		W4OC	A	136,566
	AJ9C	A	154,324		KE3X (@N4RV)	Q	132,348
	K9UIY	Q	85,116		N1LN	UH	161,352
	K9CT	UH	201,026		AA4NC	UL	174,134
Dakota	N9CO	UL	155,472	Rocky Mountain	W4RM	MH	197,872
	W9YK	MH	68,224		KG4W	ML	31,416
	K9MOT	ML	106,758		K4KDJ	S	27,900
	N7IV	B	169,576		N2IC	B	213,974
	NAØN (@WØZT)	A	165,240		WØETT	A	90,560
	KØPC	Q	97,686		KØAV	Q	123,820
Delta	KTØA	UH	194,054	Southeastern	WØZA	UH	176,464
	K1KD	UL	121,920		KK6MC	UL	91,530
	WØSD	MH	223,104		KØRF	MH	217,128
	NØUR	ML	147,928		KK5OV	ML	11,448
	N4OGW	B	205,674		K4BAI	B	181,602
	K4RO	A	184,758		KP2RUM (N4BP, op)	A	176,300
Great Lakes	N5EE	Q	106,764	Southwestern	K3TW	Q	88,724
	N4ZZ	UH	182,434		K1ZZI	UH	153,052
	N4UW	UL	128,982		KY4F	UL	153,176
	W5RU	MH	209,326		N4GI	MH	181,604
	K1LT	B	171,872		W4UAL	S	83,830
	N8SS	A	159,572		K6LA	B	206,172
Hudson	KT8K	Q	90,396	West Gulf	AA6PW	A	149,400
	K8AZ (K8NZ, op)	UH	134,622		N7IR	Q	101,412
	K8BL	UL	155,044		K6LL	UH	200,362
	W8EDU (W8WTS, op)	S	32,390		KB7Q	UL	169,904
	N2NT (N2NC, op)	B	212,148		W6YI	MH	231,238
	W2LK	A	142,024		NX6T	ML	151,724
Midwest	K2YGM	Q	49,280	West Gulf	W6RFU (AC6T, op)	S	176,126
	W2VQ	UH	127,264		NR5M (K5GA, op)	B	210,156
	NT2A	UL	121,688		W8FN	A	147,928
	AB2DE	MH	2,516		K5NZ	Q	64,780
	NSØR	B	140,056		K5RT	UH	165,502
	NØAC	A	144,180		K5CM	UL	157,950
New England	NØAX	Q	119,884	West Gulf	N5PJ	ML	41,120
	NØXR	UH	170,724		N5XU (AA5BT, op)	S	27,876
	KØNE	UL	139,072				
	ABØS	MH	186,750				
	KØHC (WØBH, op)	S	175,628				
	K5ZD	B	175,480				
New England	K1XM	A	137,596				
	N1RR (@K1TTT)	Q	111,132				
	K1ZZ	UH	211,724				
	W1UJ	UL	147,420				
	K1LZ	MH	72,504				
	W1AF (W1PL, op)	S	5,200				

## Sponsored Plaque Winners - CW

Division	Plaque Category	Winner	Plaque Sponsor
Atlantic Division	Multioperator High Power CW	W2FU	Icom America
Atlantic Division	Multioperator Low Power CW	N3FJP	Icom America
Atlantic Division	School Club CW	No Entrant	Icom America
Atlantic Division	Single Operator High Power CW	AA3B	Icom America
Atlantic Division	Single Operator Low Power CW	WY3A	Potomac Valley Radio Club
Atlantic Division	Single Operator QRP CW	K2QO	Milt Coleman, K4OSO
Atlantic Division	Single Operator Unlimited High Power CW	N3RR	Icom America
Atlantic Division	Single Operator Unlimited Low Power CW	N2MM	Icom America
Canada Division	Multioperator High Power CW	VE3MIS	Icom America
Canada Division	Multioperator Low Power CW	VE4DR	Icom America
Canada Division	School Club CW	No Entrant	Icom America
Canada Division	Single Operator High Power CW	VE7SZ (KL7SB, op)	Icom America
Canada Division	Single Operator Low Power CW	VA3DF	Icom America
Canada Division	Single Operator QRP CW	VE6EX	QRP Amateur Radio Club International
Canada Division	Single Operator Unlimited High Power CW	VE3CX	Icom America
Canada Division	Single Operator Unlimited Low Power CW	VE3MGY	Icom America
Central Division	Multioperator High Power CW	W9YK	Icom America
Central Division	Multioperator Low Power CW	K9MOT	Icom America
Central Division	School Club CW	No Entrant	Icom America
Central Division	Single Operator High Power CW	W9RE	Society Of Midwest Contesters
Central Division	Single Operator Low Power CW	AJ9C	Society Of Midwest Contesters
Central Division	Single Operator QRP CW	K9UIY	Sean Kutzko, KX9X
Central Division	Single Operator Unlimited High Power CW	K9CT	Straight Key Century Club
Central Division	Single Operator Unlimited Low Power CW	N9CO	Icom America
Dakota Division	Multioperator High Power CW	WØSD	Minnesota Wireless Association
Dakota Division	Multioperator Low Power CW	NØUR	Icom America
Dakota Division	School Club CW	No Entrant	Tod Olson, KØTO
Dakota Division	Single Operator High Power CW	N7IV	Minnesota Wireless Association
Dakota Division	Single Operator Low Power CW	NAØN (@WØZT)	Minnesota Wireless Association
Dakota Division	Single Operator QRP CW	KØPC	Tod Olson, KØTO
Dakota Division	Single Operator Unlimited High Power CW	KTØA	Minnesota Wireless Association
Dakota Division	Single Operator Unlimited Low Power CW	K1KD	Icom America
Delta Division	Multioperator High Power CW	W5RU	Icom America
Delta Division	Multioperator Low Power CW	No Entrant	Icom America
Delta Division	School Club CW	No Entrant	Icom America
Delta Division	Single Operator High Power CW	N4OGW	Icom America
Delta Division	Single Operator Low Power CW	K4RO	Icom America
Delta Division	Single Operator QRP CW	N5EE	Icom America
Delta Division	Single Operator Unlimited High Power CW	N4ZZ	Icom America
Delta Division	Single Operator Unlimited Low Power CW	N4UW	Icom America
Great Lakes Division	Multioperator High Power CW	No Entrant	Icom America
Great Lakes Division	Multioperator Low Power CW	No Entrant	Icom America
Great Lakes Division	School Club CW	W8EDU (W8WTS, op)	In memory of Raleigh Wert, W8QOI
Great Lakes Division	Single Operator High Power CW	K1LT	Mad River Radio Club
Great Lakes Division	Single Operator Low Power CW	N8SS	Mad River Radio Club
Great Lakes Division	Single Operator QRP CW	KT8K	Mad River Radio Club
Great Lakes Division	Single Operator Unlimited High Power CW	K8AZ (K8NZ, op)	KD8LL & K4EQ - N8CVH Memorial
Great Lakes Division	Single Operator Unlimited Low Power CW	K8BL	John S. Comella N8AA
Hudson Division	Multioperator High Power CW	AB2DE	Stuart Silverstein, K3UEI, Memorial
Hudson Division	Multioperator Low Power CW	No Entrant	Icom America
Hudson Division	School Club CW	No Entrant	Icom America
Hudson Division	Single Operator High Power CW	N2NT (N2NC, op)	Icom America
Hudson Division	Single Operator Low Power CW	W2LK	Icom America
Hudson Division	Single Operator QRP CW	K2YGM	Icom America
Hudson Division	Single Operator Unlimited High Power CW	W2VQ	Icom America
Hudson Division	Single Operator Unlimited Low Power CW	NT2A	Icom America
Midwest Division	Multioperator High Power CW	ABØS	Icom America

Midwest Division	Multioperator Low Power CW	No Entrant	Icom America
Midwest Division	School Club CW	KØHC (WØBH, op)	Icom America
Midwest Division	Single Operator High Power CW	NSØR	Icom America
Midwest Division	Single Operator Low Power CW	NØAC	Society Of Midwest Contesters
Midwest Division	Single Operator QRP CW	NØAX	Icom America
Midwest Division	Single Operator Unlimited High Power CW	NØXR	Icom America
Midwest Division	Single Operator Unlimited Low Power CW	KØNE	Icom America
New England Division	Multioperator High Power CW	K1LZ	Mark Olsen, KF1V
New England Division	Multioperator Low Power CW	No Entrant	Icom America
New England Division	School Club CW	W1AF (W1PL, op)	Icom America
New England Division	Single Operator High Power CW	K5ZD	Mark Olsen, KF1V
New England Division	Single Operator Low Power CW	K1XM	Michael McKaughan, K1DM
New England Division	Single Operator QRP CW	N1RR (@K1TTT)	Mark Olsen, KF1V
New England Division	Single Operator Unlimited High Power CW	K1ZZ	Mark Olsen, KF1V
New England Division	Single Operator Unlimited Low Power CW	W1UJ	Icom America
Northwestern Division	Multioperator High Power CW	KL7RA	Icom America
Northwestern Division	Multioperator Low Power CW	No Entrant	Icom America
Northwestern Division	School Club CW	No Entrant	Icom America
Northwestern Division	Single Operator High Power CW	N9RV	Icom America
Northwestern Division	Single Operator Low Power CW	K7BG	Icom America
Northwestern Division	Single Operator QRP CW	NN7SS (K6UFO op)	Phil Yasson, AB7RW
Northwestern Division	Single Operator Unlimited High Power CW	K7RL	Icom America
Northwestern Division	Single Operator Unlimited Low Power CW	W7ZRC	Icom America
Overall	Multioperator High Power CW	W6YI	Icom America
Overall	Multioperator Low Power CW	VE4DR	Icom America
Overall	School Club CW	W6RFU (AC6T, op)	Straight Key Contest Club
Overall	Single Operator High Power CW	N9RV	Trey Garlough, N5KO
Overall	Single Operator Low Power CW	K4RO	Radiosport Manitoba - VE4VV Memorial
Overall	Single Operator QRP CW	VE6EX	QRP Amateur Radio Club International
Overall	Single Operator Unlimited High Power CW	K1ZZ	Joe KH6GA & Victoria N4WV
Overall	Single Operator Unlimited Low Power CW	AA4NC	Icom America
Pacific Division	Multioperator High Power CW	K6MMM	Icom America
Pacific Division	Multioperator Low Power CW	W6K	Icom America
Pacific Division	School Club CW	No Entrant	Icom America
Pacific Division	Single Operator High Power CW	W7RN (N6TV, op)	Icom America
Pacific Division	Single Operator Low Power CW	N6ZFO	Robert A. Wilson, N6TV
Pacific Division	Single Operator QRP CW	W6JTI	Icom America
Pacific Division	Single Operator Unlimited High Power CW	W6YX (N7MH, op)	The Carroll Dean Jensen Memorial (K6CDJ)
Pacific Division	Single Operator Unlimited Low Power CW	N6EE	Icom America
Roanoke Division	Multioperator High Power CW	W4RM	Icom America
Roanoke Division	Multioperator Low Power CW	KG4W	Icom America
Roanoke Division	School Club CW	K4KDJ	Icom America
Roanoke Division	Single Operator High Power CW	N4AF	Potomac Valley Radio Club
Roanoke Division	Single Operator Low Power CW	W4OC	Icom America
Roanoke Division	Single Operator QRP CW	KE3X (@N4RV)	Icom America
Roanoke Division	Single Operator Unlimited High Power CW	N1LN	Icom America
Roanoke Division	Single Operator Unlimited Low Power CW	AA4NC	Icom America
Rocky Mountain Division	Multioperator High Power CW	KØRF	Icom America
Rocky Mountain Division	Multioperator Low Power CW	KK5OV	Icom America
Rocky Mountain Division	School Club CW	No Entrant	Icom America
Rocky Mountain Division	Single Operator High Power CW	N2IC	Icom America
Rocky Mountain Division	Single Operator Low Power CW	WØETT	Icom America
Rocky Mountain Division	Single Operator QRP CW	KØAV	Colorado QRP Club
Rocky Mountain Division	Single Operator Unlimited High Power CW	WØZA	Icom America
Rocky Mountain Division	Single Operator Unlimited Low Power CW	KK6MC	Icom America
Southeastern Division	Multioperator High Power CW	N4GI	Icom America
Southeastern Division	Multioperator Low Power CW	No Entrant	Icom America
Southeastern Division	School Club CW	W4UAL	Icom America
Southeastern Division	Single Operator High Power CW	K4BAI	Icom America
Southeastern Division	Single Operator Low Power CW	KP2RUM (N4BP, op)	Icom America

Southeastern Division	Single Operator QRP CW	K3TW	Icom America
Southeastern Division	Single Operator Unlimited High Power CW	K1ZZI	Charlie Wooten, NF4A
Southeastern Division	Single Operator Unlimited Low Power CW	KY4F	Icom America
Southwestern Division	Multioperator High Power CW	W6YI	Icom America
Southwestern Division	Multioperator Low Power CW	NX6T	Icom America
Southwestern Division	School Club CW	W6RFU (AC6T, op)	Icom America
Southwestern Division	Single Operator High Power CW	K6LA	Icom America
Southwestern Division	Single Operator Low Power CW	AA6PW	Icom America
Southwestern Division	Single Operator QRP CW	N7IR	N6HE and W6DLD
Southwestern Division	Single Operator Unlimited High Power CW	K6LL	Icom America
Southwestern Division	Single Operator Unlimited Low Power CW	KB7Q	Icom America
West Gulf Division	Multioperator High Power CW	No Entrant	Icom America
West Gulf Division	Multioperator Low Power CW	N5PJ	Icom America
West Gulf Division	School Club CW	N5XU (AA5BT, op)	Icom America
West Gulf Division	Single Operator High Power CW	NR5M (K5GA, op)	Icom America
West Gulf Division	Single Operator Low Power CW	W8FN	Icom America
West Gulf Division	Single Operator QRP CW	K5NZ	Icom America
West Gulf Division	Single Operator Unlimited High Power CW	K5RT	Icom America
West Gulf Division	Single Operator Unlimited Low Power CW	K5CM	Icom America