2015 ARRL November Sweepstakes Results — CW

Needles, haystacks, and ham radio — a Missouri amateur finds joy in a minimalist approach to Sweepstakes CW.

Kelly Taylor, VE4XT, ve4xt@mymts.net

Conventional wisdom holds that the key to winning Sweepstakes is to find productive frequencies and run like crazy for every minute of the available 24 hours, hoping against hope that you find all 83 ARRL sections. Paul, KØJPL, of Chesterfield, Missouri, took a different approach.

He didn't win. He didn't place. He didn't even show. Indeed, his score is so far down the listings, you have to be looking for a specific convergence of events to find it. Paul earned his sweep of 83 sections, but took only 83 QSOs to do it. Quite the contrast from the 1475 contacts and a sweep in the winning log overall, turned in by Stan, K5GO, and his son Kevin, N5DX!

Regarding Paul's effort, the word "surgical" comes to mind. Eighty-three needles in a thousand haystacks. "I enjoy most contests, but try to stay away from running a frequency," Paul said. "I got started on this years ago by my Elmer, Bill Pike, KØECK (SK). One contact in each of the sections requires a lot of tuning around."



The Full Sweep

The complete writeup on CW Sweepstakes is now online as a downloadable article containing more text, graphics, and tables. The full results also feature extended line scores with a full breakdown of QSOs by band in an attractive new format. You can also get your log checking report, detailing the log checking outcome for each QSO. The searchable database of all scores is available online, too. Go to www.arrl.org/contest-resultsarticles and look for the 2015 folder. Updated records are available at www.arrl.org/contest-records.

No kidding. Many of the top operators can rack up 83 QSOs in less than one good hour, but for Paul this was no time-saving effort. "It usually takes until about 1700 on Sunday to finish up," he said.

It's been done before, in some years by multiple operators. Paul said he's done it 10 times since 2008 (including in SS Phone), but this year, it appears he's the only one to try. The feat requires pinpoint accuracy, since one busted QSO costs you not only the Q, but also the section. [Paul turned in the fifth largest Golden Log (no errors). - Ed.] And while it's not a requirement, it's easier if you're in a section that's not that rare, such as Paul's home state of Missouri. Your name would be forever reviled if you purposely gave out Northern Territories or Newfoundland or even VE4, for that matter - to only 83 stations. By the way, Paul did it the oldfashioned way, without spotting, as a single operator using high power.

For the amateur community at large, Paul's



Kevin, N5DX (left), and his dad Stan, K5GO, at Stan's shack in northwestern Arkansas. [Kevin Stockton, N5DX, photo]



Paul, KØJPL, and his wife, Linda Lou, in his nicely appointed shack in Chesterfield, Missouri. [Paul Haefner, KØJPL, photo]

Sponsored Plaque Winners — CW

ARRL is please to award a Sweepstakes Plaque to the Overall and Division Leaders in each category, thanks to Icom America and numerous clubs and individuals who sponsor these awards. For more information on plaque sponsorship or to order a duplicate plaque, contact ARRL Contest Branch Manager Bart Jahnke, W9JJ, at 860-594-0232 or **w9jj@arrl.org.** Plaques costs \$75, which include all shipping charges.

| Branch Manager Bart Jannke, W933, a | at 000-394-0232 01 W | alle alliorg. Flaques cos |
|---|--|---|
| Division / Plaque Category | Winner | Plaque Sponsor |
| Overall Single Operator High Power Single Operator Low Power | N2IC KP2M (W2GD, op) | Trey Garlough, N5KO Radiosport Manitoba — VE4VV Memorial |
| Single Operator QRP | NØAX | QRP Amateur Radio |
| Single Operator Unlimited High Power | KØEU | Club International Joe, KH6GA, & |
| Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power School Club | K6LL K5GO WØDLE KØHC (WØBH, op) | Victoria, N4WV Icom America Icom America Icom America Icom America |
| Atlantic Single Operator High Power Single Operator Low Power | AA3B K3UA | Icom America Potomac Valley |
| Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power | WR3R WR3Z K3AU (K2YWE, op) W2FU K2AA | Radio Club Icom America Icom America Icom America Icom America Icom America |
| Central Single Operator High Power | W9RE | Society of Midwest |
| Single Operator Low Power | N9CK | Contesters Society of Midwest |
| Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power School Club | K9ZO K9CT WE9V KEØL KA9VVQ W9UIH | Contesters Sean Kutzko, KX9X Icom America Icom America Icom America Icom America Icom America |
| Dakota Single Operator High Power | NEØU | Minnesota Wireless |
| Single Operator Low Power | NAØN (@WØZT) | Association Minnesota Wireless Association |
| Single Operator QRP Single Operator Unlimited High Power | KEØG KTØA | Tod Olson, KØTO Minnesota Wireless |
| Single Operator Unlimited Low Power Multioperator High Power | KØMPH WØSD | Association Icom America Minnesota Wireless |
| School Club | NØT | Association Tod Olson, KØTO |
| Delta Single Operator High Power Single Operator Low Power | KØEJ NA5NN (N4OGW, op) | Icom America Icom America |
| Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power | WF7T N8OO W9SN K5GO KW4JS (KI4WXI, op) | Icom America Icom America Icom America Icom America Icom America |
| Great Lakes Single Operator High Power Single Operator Low Power Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power School Club | K1LT N8SS KT8K N4QS K8BL W5MX W8EDU | Mad River Radio Club Mad River Radio Club Icom America John S. Comella, N8AA Icom America Icom America |
| Hudson Single Operator High Power Single Operator Low Power Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power | N2NT (N2NC, op) W2LK WS2E W2VQ K2DFC | Icom America Icom America Icom America Icom America Icom America |
| Midwest Single Operator High Power Single Operator Low Power | KØDEQ NØNI (AG9A, op) | Icom America Society of Midwest |
| Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power School Club | NØAX NØXR KØVBU KØWA KB5ENP KØHC (WØBH, op) | Contesters Icom America Icom America Icom America Icom America Icom America |

| 75, which include all shipping charges. | AWARDS SPONSOR | |
|---|--|--|
| Division / Plaque Category | Winner | Plaque Sponsor |
| New England Single Operator High Power Single Operator Low Power | K5ZD K1XM | Icom America Michael |
| Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator Low Power | K8CN W1SJ W1UJ W1FM | McKaughan, K1DM Mark Olsen, KF1V Mark Olsen, KF1V Icom America Icom America |
| Northwestern Single Operator High Power Single Operator Low Power Single Operator ORP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power | N9RV K7BG W7QDM K7CF K7GA K7RI K7RI K7SS | Icom America Icom America Phil Yasson, AB7RW Icom America Icom America Icom America Icom America |
| Pacific Single Operator High Power Single Operator Low Power Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power | W7RN (N6TV, op) K7GK W6YX (N7MH, op) WA6O (@N6XG) K9JM N6RO | Icom America Robert A. Wilson, N6T Icom America Icom America Icom America Icom America |
| Roanoke Single Operator High Power | N4AF | Potomac Valley |
| Single Operator Low Power Single Operator ORP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power School Club | W4AAA (KK9A, op) N4CF N1LN AA4NC W4RM W4TG K4KDJ (KK4BSM, op) | Radio Club Icom America Icom America Icom America Icom America Icom America Icom America Icom America |
| Rocky Mountain Single Operator High Power Single Operator Low Power Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator Low Power | N2IC N5FO KØEU AD1C WØDLE | Icom America Icom America Icom America Icom America Icom America Icom America |
| Southeastern Single Operator High Power Single Operator Low Power Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power School Club | NX4N KP2M (W2GD, op) K3TW N4BP N4PN N4GI W4UAL | Icom America Icom America Icom America Charlie Wooten, NF4A Icom America Icom America |
| Southwestern Single Operator High Power Single Operator Low Power Single Operator QRP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power Multioperator Low Power School Club | K6LA AA6PW N7IR K07SS K6LL W6YI W8TK W8TK W6RFU | Icom America Icom America N6HE and W6DLD Icom America Icom America Icom America Icom America Icom America |
| West Guif Single Operator High Power Single Operator Low Power Single Operator ORP Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator Low Power School Club | NR5M (K5GA, op) W8FN N1CC N5ZC K5CM NM5M N5XU (AA5BT, op) | Icom America Icom America Icom America Icom America Icom America Icom America Icom America |
| Canada Single Operator High Power Single Operator Low Power Single Operator QRP | VE3KI VE2CWT (VE2FU, op) VE6EX | Icom America Icom America QRP Amateur |
| Single Operator Unlimited High Power Single Operator Unlimited Low Power Multioperator High Power | VY2ZM VE5MX VE3MIS (VE3NE, op) | Radio Club International Icom America Icom America Icom America |
| Multioperator Low Power | VY2TTT | Icom America |
| | | |

ICOM

2015 ARRL SS CW Regional Leaders

Boxes list call sign, score, and category: 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 | Delta, Roanoke, and | Central and Great Lakes Divisions: Ontario Section | Dakota, Midwest, Rocky Mountain, and West Gulf | Pacific, Northwestern, and Southwestern Divisions: |
| and Quebec Sections | Southeastern Divisions NX4N B 207.788 | W9RE B 201.556 | Divisions; Manitoba and | Alberta, British Columbia, |
| N2NT | N4AF B 183,060 | K1LT B 174,798 | Saskatchewan Sections | and NWT Sections |
| (N2NC, op) B 210,488 | WP2B B 180,892 | VE3KI B 161,920 KJ9C B 144.088 | N2IC B 240,534 | N9RV B 225,262 |
| AA3B B 202,852 K5ZD B 201,192 | K4JPD | KJ9C B 144,088 K9BGL B 128,576 | NR5M (K5GA, op) B 232,068 | W7RN (N6TV, op) B 218,954 |
| K5ZD B 201,192 N1RR | (N4OO, op) B 172,972 KU8E B 170.100 | N9CK A 174.824 | K5TR | K6LA B 212,872 |
| (@K1LZ) B 190,734 | KU8E B 170,100 KP2M | N8SS A 144,180 | (K5OT, op) B 221,610 | WC6H B 193,520 |
| KD4D B 180,940 | (W2GD, op) A 213,144 | W8CAR A 129,068 | NSRZ B 219,286 | W6PH B 192,560 |
| W2LK A 156,492 | NA5NN | K9KM A 126,400 | AA5B B 203,360 | K7BG A 174,964 |
| K1XM A 154,324 | (N4OGW, op) A 187,124 | K9WX A 119,232 K9ZO Q 86,756 | NØNI (AG9A. op) A 200.030 | K7GK A 170,150 WJ9B A 166,788 |
| K3UA A 144,648 W2ID A 135,456 | NP3A A 186,304 | K9ZO Q 86,756 KT8K Q 77.844 | (AG9A, op) A 200,030 NAØN | WJ9B A 166,788 AA6PW A 155,708 |
| W2ID A 135,456 VE2CWT | W4AAA | K9UIY Q 68,376 | (@WØZT) A 169,904 | W9CF |
| (VE2FU, op) A 130,086 | (KK9A, op) A 173,138 N4KM A 160,542 | N9SE Q 68,256 | NØAT | (@K8IA) A 155,044 |
| K8CN Q 72,384 | K3TW Q 92,016 | WI9WI Q 67,184 | (NØKK, op) A 160,356 | W6YX |
| W1QK Q 71,448 | WF7T Q 87,576 | K9CT UH 184,426 | N5FO A 158,752 | (N7MH, op) Q 120,848 |
| WS2E Q 67,076 | N5EE Q 87,360 | N4QS UH 169,576 K8ND UH 164,984 | W8FN A 155,520 | VÉ6EX Q 111,040 N7IR Q 102,008 |
| K1VUT Q 67,032 | WØPV Q 64,960 | VE3CX UH 163.178 | NØAX Q 131,528 KØAV Q 121,120 | N7R Q 102,008 N7CW Q 101,924 |
| NA1CC Q 51,984 VY2ZM UH 192.864 | N4CF Q 60,368 N4BP UH 209,326 | K3WA UH 162.680 | N1CC Q 75,492 | W6JTI Q 91,040 |
| WR3Z UH 183,098 | N800 UH 209,326 | K8BL UL 150,894 | KEØG Q 49,296 | WA6O |
| N3RR UH 170,262 | K5KG UH 177,786 | WE9V UL 147,242 | WFØT Q 30,686 | (@N6XG) UH 186,086 |
| K3WW UH 168,822 | AD4EB UH 177,612 | N9CO UL 145,250 | KØEU UH 214,306 | W6SX UH 180,940 |
| K3AJ UH 161,020 | N1LN UH 175,462 | K8BKM UL 129,232 KC9EE UL 119,394 | WØZA UH 169,938 | KO7SS UH 176,624 W1SRD UH 174,964 |
| W1UJ UL 144,586 K3AU | AA4NC UL 175,462 | W5MX MH 164.984 | NØXR UH 160,218 KTØA UH 157.534 | W1SRD UH 174,964 K6SRZ UH 174,798 |
| (K2YWE, op) UL 137,700 | N4PN UL 163,012 W9SN UL 152,442 | AA8U MH 84.846 | KOOU UH 149.068 | K6LL UL 177.122 |
| N3HEE UL 132,184 | KY4F UL 151,208 | NT8V MH 65,072 | N5DO UL 156,206 | KB7Q UL 173,968 |
| KM1X UL 127,820 | WQ2N/4 UL 134,316 | VE3MIS | KØVBU UL 140,768 | K7GA UL 112,640 |
| N1QD | K5GO MH 244,850 | (VE3NE, op) MH 52,164 | NØAC UL 137,268 | K9JM UL 95,450 |
| (@K1KP) UL 124,500 | W5RU MH 194,340 | KEØL MH 31,980 KA9VVQ ML 53,280 | AD1C UL 133,464 KØMPH UL 124,476 | W6AWW UL 90,396 W6YI MH 229,910 |
| W2FU MH 218,954 K3CCR MH 96,960 | W4RM MH 190,236 | N9MT ML 39.000 | WØSD MH 222.938 | KY7M MH 203.018 |
| K2NA MH 80,190 | N4GI MH 190,896 K9ES MH 145,476 | W8EDU S 132,136 | KØWA MH 196.710 | N6RO MH 175.462 |
| W3UR MH 4 | W4TG ML 41,080 | W9UIH S 10,080 | NJ8M MH 134,128 | K6MMM MH 157,276 |
| VY2TTT ML 153,550 | KW4JS | W9GRS | KØHB MH 121,014 | K7RI MH 135,432 |
| W1FM ML 45,760 | (KI4WXI, op) ML 10,800 | (W9KVR, op) S 968 | NØMA MH 85,988 | W8TK ML 160,024 |
| K2AA ML 45,592 | W4UAL S 87,814 | | WØDLE ML 175,960 NØUR ML 121,120 | NX6T ML 152,388 K7SS ML 58,240 |
| W3KWH ML 10,400 VO2AC ML 8,624 | K4KDJ | | N7IV ML 119.394 | WW7LW ML 28,840 |
| W1AF | (KK4BSM, op) S 200 | | NM5M ML 105,120 | KL2R ML 12,312 |
| (W1PL, op) S 10,608 | | | WDØGTY ML 52,326 | W6RFU S 157,202 |
| . , , , , , , , , , , , , , , , , , , , | | | KØHC | |
| | | | (WØBH, op) S 181,604 | |
| | | | N5XU (AA5BT, op) S 24,236 | |
| | | | (10.001, 00) 0 24,200 | |

| Single Operat High Power | or, | Single Operat | or, QRP 131,528 | Single Operator Unlimited, Low I | | School Club KØHC |
|-----------------------------|--------------------|---------------------|--------------------|-------------------------------------|--------------------|-------------------------------------|
| N2IC NR5M | 240,534 | KØAV W6YX | 121,120 | K6LL AA4NC | 177,122 175.462 | (WØBH, op) 181,604 W6RFU 157,202 |
| (K5GA, op) N9RV | 232,068 225,262 | (N7MH, op) VE6EX | 120,848 111,040 | KB7Q N4PN | 173,968 163,012 | (AC6T, K6QD, ops) W8EDU 132,136 |
| (STR | 001.010 | N7IR | 102,008 | N5DO | 156,206 | (AD8Y W8WTS, ops) |
| (K5OT, op) N5RZ | 221,610 219,286 | N7CW K3TW | 101,924 92.016 | W9SN KY4F | 152,442 151,208 | W4UAL 87,814 (K4GU, K4CWW, ops) |
| V7RN | 210,200 | W6JTI | 91,040 | K8BL | 150,894 | NØT 33,670 |
| (N6TV, op) | 218,954 | WF7T | 87,576 | WE9V | 147,242 | N5XU |
| (6LA J2NT | 212,872 | N5EE | 87,360 | N9CO | 145,250 | (AA5BT, op) 24,236 W1AF |
| (N2NC, op) | 210,488 | | | | | (W1PL, op) 10,608 |
| VX4N | 207,788 | Single Operat | | Multioperator, | | W9UIH 10,080 |
| AA5B | 203,360 | Unlimited, Hig | | High Power | | (K9UH, KD9DEV, ops) |
| | | KØEU N4BP | 214,306 209.326 | K5GO (+N5DX) | 244.850 | W8SH (K2BET, W8EO, ops) |
| Single Operat | or, | N8OO | 209,320 | W6YI | 229.910 | 2,080 |
| ow Power | | VY2ZM | 192,864 | WØSD | 222,938 | W9GRS |
| (P2M (W2GD, op) | 213,144 | WA6O | 100.000 | W2FU KY7M (+NA2U) | 218,954 203.018 | (W9KVR, op) 968 |
| VVZGD, 0P) | 213,144 | (@N6XG) K9CT | 186,086 184,426 | KØWA | 196,710 | |
| (AG9A, op) | 200,030 | WR3Z | 183,098 | W5RU | 194,340 | |
| NA5NN | 107104 | W6SX | 180,940 | N4GI (+WF3C) W4RM | 190,896 190,236 | |
| (N4OGW, op NP3A | 186.304 | K5KG AD4EB | 177,786 177,612 | N6RO (+N6BV) | 175,462 | |
| K7BG | 174,964 | ADTED | 177,012 | ```' | | |
| N9CK | 174,824 | | | Multioperator, Low Power | | |
| N4AAA (KK9A, op) | 173,138 | | | WØDLE | 175.960 | |
| (7GK | 170,150 | | | W8TK (+KE2VB) | | |
| NAØN | | | | VY2TTT | 153,550 | |
| (@WØZT) NJ9B | 169,904 166,788 | | | NX6T NØUR | 152,388 121,120 | |
| WJ3D | 100,700 | | | N7IV (+NØGC) | 119.394 | |
| | | | | NM5M | 105,120 | |
| | | | | K7SS | 58,240 | |
| | | | | KA9VVQ (+W9FZ) | 53,280 | |
| | | | | WDØGTY (+N5PJ) | 52,326 | |

story is just one small example of how Sweepstakes can appeal to everyone. Large stations, small stations, mobile stations, contesters, and non-contesters alike can find a way to jump in and enjoy.

For competitors, Sweepstakes is challenging enough, what with the longest exchange in contesting. Imagine doing it while outputting less power than most rigs use to receive. "With QRP, you don't have the option of making your own propagation, so things have to be just right to make a top score," said the 2015 Sweepstakes CW QRP winner Ward, NØAX. "I think good 40 meter conditions were the key for me this year. With Sweepstakes being a one-QSO contest, having one really good band can make the difference."

Ward's score was enough to set a new Missouri record in QRP, breaking the previous one he set operating as WØEEE in 2013. "It's also key with QRP to use the second radio as much as you can," he said, referring to the practice of Single Operator Two Radio (SO2R). "I was able to call CQ and tune for stations to within plus or minus 10 kHz of my operating frequency." He credits his Kenwood TS-590S and its excellent phase noise characteristics — and the fact he was running only 5 W — for that. "It was pretty gratifying this year to be in the right location, with decent equipment, and finally be

a good enough operator to put the pieces together."

In the modern era of Sweepstakes, winning overall usually means one thing: Single Operator, High Power. No spotting. No helpers. And certainly no QRP. That was then, this is now. Stan, K5GO, and his son Kevin, N5DX, ran K5GO right to the sum-

| Top Ten Golden Logs (zero errors) | | | | |
|--|--|---|--|--|
| Call | Category | QSOs | | |
| VE4YU W1MJ AD2KA K6CTA K0JPL K10J W5KI VE3VSM K0VG N6KW W0CZ | SOLP SOLP SOLP SOLP SOLP SOLP SOLP SOLP | 340 120 114 85 83 79 37 30 27 26 26 | | |

mit of Sweepstakes success, not only handily winning the Multioperator category, but also beating the incomparable Steve, N2IC, who won the Single Operator, High Power category.

Kevin said the experience reminded him of playing golf in father-son tournaments when he was a boy.

"At the time, my dad was the best golfer at our course, and getting the chance to be on his team made me really excited as a kid," he said. "Fast-forward 30 years and we got to do a father-son effort, but instead of our course being tree-lined fairways, it was the crowded frequencies of the ARRL CW Sweepstakes." The last time a Multioperator station won overall was back in 1996, when then-K1ZX (the call has since been reassigned) squeaked past Tree, N6TR, who was operating W5WMU in Louisiana. That Southern Florida team consisted of Jim, K1ZX (who later became K4OJ [SK]); Dan, K1TO, and Jeff, WC4E. Dan said the operation took place at the "White House," named for Florida's first family of contesting, Bob White, W1CW (SK); his wife Ellen, W1YL, and son Jim. They were recently inducted as the inaugural members of the new Florida Contest Group Hall of Fame.

What kind of adventure will you take this year? Limber up that paddle, polish those antennas, and get ready for the 2016 November CW Sweepstakes, November 5-7. See you there!



The 2016 ARRL June VHF Contest

1800 UTC Saturday June 11 - 0259 UTC Monday June 13

Many VHFers are already making preparations for the June VHF Contest. Are you ready? Held annually during the yearly peak of sporadic E season, don't miss out on this year's fun! There are several different categories to participate in, so whether your gear is FM-only, HF + 6 meters, or even covers three or four bands at VHF and UHF, there is something for everyone. There are QRP, Low, and High Power categories as well! And with the new rules that allow assistance, you can make announcements, chat with others about activity, and even spot yourself or see other's spots during the contest (as long as the contact is completed over the air). For this and other event rules, visit **www.arrl.org/june-vhf**. Here's some information about this event:

• The exchange is simple: just the Maidenhead grid square you're operating from. For more info on grid squares, visit **www.arrl.org/grid-squares**.

Operate from home, a hilltop, FM-only if that's what you have, or make QSOs from more than one grid square as a Rover. How about packing up your gear and going on a "grid-pedition" to a rare grid square, or perhaps to a National Park? (Read more about ARRL's National Parks on the Air event for 2016 at www.arrl.org/npota.)

See what others were doing last year on the online Soapbox at **www.arrl.** org/contests/soapbox.

Results and Awards: We request that you upload your Cabrillo log file to the new contest Web App at contest-log-submission.arrl.org or e-mail your Cabrillo-formatted electronic logs to junevhf@arrl.org (paper logs will still be accepted if mailed to: ARRL June VHF Contest, 225 Main St, Newington, CT 06111). All logs must be e-mailed/uploaded or postmarked no later than 0300 UTC Wednesday, July 13.



Mel Larson, KCØP/R, showing his battery-charging power source (2 kW generator) and his mobile array for his multiband operation June 2015 while roving west of Hinckley, Minnesota in grid EN36LA. [Carol Larson, NØHZO/R, photo]

Complete rules and entry forms can be found at www.arrl.org/june-vhf