

# 2013 ARRL June VHF Contest Results

Where did all the propagation go?

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After several years of above average propagation during the June VHF Contest, it was almost inevitable that we were due for a down year. While conditions on 6 meters were relatively good the week before the contest, for most participants it did not carry through to the weekend of June 15-17. Tropospheric ducting or other enhanced modes on 2 meters and above did not seem to play a major role for the majority of stations either. Ryan, KB9OWD, in EN53 IL may have overstated things slightly by comparing it to a recent root canal, but he was not the only one feeling frustrated; Mike, K7ULS, in DN41 (UT) felt similarly. Most other stations voiced similar perceptions of poor band conditions and slow QSO rates in their post contest comments. Bobby, N3LL, in EL86 (FL) claimed these were the worst June VHF Contest conditions he has experienced in over 35 years of operating. Jeff, K1TEO, in FN31 (CT) made only 17 6 meter sporadic E (Es) contacts in the whole contest, fewer than he did in September or even January. Bill, K3WA, in EN50 (IL) summed it up: "A long, slow slog. Read a good book. Watched the grass grow. Mowed the grass. Watched the grass grow again. Worked out on my treadmill. And worked the desultory sparse openings to get very few QSOs and 9 new grids. Just wait 'til next year."

## Logs

1010 logs were submitted — significantly fewer than the 1222 that were submitted in 2012 — but that's not surprising considering the lack of exciting propagation in most areas. As always, the number of logs submitted was far less than the total number of participants. Overall QSO and grid totals were significantly lower this year. The number of Classic Rovers has also continued to drop — down from 49 in 2011 and 34 in 2012, to 25 in 2013.

Based on a review of the submitted logs against the June contest records published on the ARRL website (except for one multiop record noted below) no existing section or division scoring records were broken. However, initial record scores for the new SO3B (Single Operator, Three-Band) and SOFM (Single Operator, FM-Only) categories and the new Canadian sections were established. One long-standing record for the Mississippi section was broken when Unlimited Multioperator (UM) WN2E scored 21,008 points to break the record of 8804 points set in 1988 by N5KDA. K8DOG posted the first Unlimited Rover (RU)

score for the Michigan section and Great Lakes division. The previous contest score records are available for review on the ARRL website at [www.arri.org/contest-records](http://www.arri.org/contest-records) and will be updated to reflect the new records set in 2013.

## DX

Fewer DX stations sent in their logs than last year because 6 meter conditions did not favor much in the way of DX. Canadian participa-

tion was also lower than last year — 70 logs submitted in 2012, but only 42 in 2013. Nine stations in Mexico submitted their logs. Jorge, XE2X, mounted a respectable 6 meter-only effort, as did Julian, XE2JS, and Javier, XE2CQ. Three stations submitted logs from Cuba including Limited Multioperator (LM) T43S. Three stations from Alaska; KL7YK, KL7AIR, KL7UW, as well as KH7Y from Hawaii all submitted multiband efforts. Finally, Pedro, HI8PJP, submitted a log with one QSO for the SO3B category.

## On the Bands

Despite the majority of stations experiencing only short Es openings with sharply defined footprints, some sections had much better luck with 6 meter propagation — notably Colorado, Texas, New Mexico, and Arizona. During the past few years 6 meter QSO and grid totals have significantly boosted the scores of stations in these areas, and this year was no exception. Jay, W9RM, at his soon-to-be-permanent QTH in DM58 (CO) had constantly shifting 6 meter openings both days, often in multiple directions at once. He took full advantage of them by logging the most 6 meter QSOs of anyone in the contest while using only a single 5-el Yagi on a push-up pole at 25 feet. Perennial STX 6 meter powerhouses George, K5TR, in EM00, and George, NR5M, in EM10, also made good use of their more impressive antenna farms to mine the band. And despite reporting poor 6 meter conditions in EM31 (STX) the gang at K5QE was still able to log more 6 meter multipliers than any other station.

Other notable 6 meter totals were logged by Pete, WA7JTM, in DM33 (AZ) and Mark, K5AM, in DM62 (NM), and the operators at W0KVA, in DM89 (CO). The multiops at W2SZ and K8GP also made high QSO numbers despite the lack of sustained Es apparent in their much lower grid count. But unlike last year, with six stations reporting more than 1000 QSOs and another 51 with more than 500 contacts on the band, only Keith, W9RM, came anywhere close to the thousand QSO mark with 920; only 17 stations made it over 500.

In June, 2 meters is the go-to band when 6 meters closes and is most often a springboard for multiple band runs. Despite significantly less 6 meter propagation, the number of stations working more than 100 QSOs on 2 meters remained about the same with 27 this

## Top Ten

### Single Operator Low Power

|        |         |
|--------|---------|
| K2DRH  | 169,926 |
| AB5EB  | 88,615  |
| WB1GQR | 84,249  |
| N0POH  | 80,088  |
| N4QWZ  | 78,960  |
| AF1T   | 69,156  |
| N0LL   | 68,425  |
| KC9BQA | 63,840  |
| N9DG   | 63,802  |
| KK0Q   | 59,760  |

### Single Operator High Power

|        |         |
|--------|---------|
| K1TEO  | 373,250 |
| W9RM   | 230,622 |
| K1RZ   | 218,816 |
| K5TR   | 200,999 |
| NR5M   | 196,448 |
| K1WHS  | 151,677 |
| K5AM   | 148,890 |
| WA2FGK | 123,888 |
| W3PAW  | 117,450 |
| W6OAL  | 113,064 |

### Single Operator Portable

|        |        |
|--------|--------|
| N6NB   | 96,036 |
| KJ5RM  | 32,384 |
| W1MR   | 26,400 |
| W9SZ   | 16,600 |
| KB5VIA | 15,650 |
| K9AKS  | 8,496  |
| N2SPI  | 4,773  |
| AF6RR  | 3,103  |
| WB9PNU | 2,205  |
| WB2AMU | 1,675  |

### Single Operator Three Band

|       |        |
|-------|--------|
| AA5AM | 72,488 |
| K7XC  | 63,510 |
| K0NR  | 48,117 |
| K09A  | 41,944 |
| KF7NP | 23,532 |
| N7IR  | 22,632 |
| KI5YG | 16,432 |
| K6MI  | 16,402 |
| W9PA  | 13,608 |
| N9ISN | 9,936  |

### Single Operator FM-Only

|        |      |
|--------|------|
| KB0LYL | 1460 |
| K6TDI  | 360  |
| W2EV   | 312  |
| VE6CCL | 242  |
| N9VM   | 216  |
| KB1YNT | 75   |
| W7DMU  | 66   |
| KD2DLL | 27   |
| AK2S   | 12   |

### Limited Multioperator

|        |         |
|--------|---------|
| K5QE   | 383,691 |
| W3SO   | 214,140 |
| K2LIM  | 165,725 |
| WA7JTM | 142,780 |
| N5RZ   | 126,000 |
| AA4ZZ  | 119,250 |
| N8ZM   | 96,775  |
| W2LV   | 78,648  |
| W4NH   | 76,311  |
| K4MM   | 35,632  |

### Multioperator

|        |         |
|--------|---------|
| W2SZ   | 940,416 |
| K8GP   | 650,076 |
| N6VI   | 475,200 |
| W3CCX  | 315,668 |
| W4IY   | 197,580 |
| VE3WCC | 194,575 |
| W0KVA  | 183,359 |
| K9CT   | 131,776 |
| KB0HH  | 119,780 |
| AA7XT  | 93,786  |

### Rover

|          |         |
|----------|---------|
| K6AH/R   | 208,254 |
| K16FGV/R | 182,637 |
| N6HD/R   | 164,780 |
| VE3OIL/R | 141,372 |
| KJ5MSY/R | 126,126 |
| VE3SMA/R | 116,775 |
| NN3Q/R   | 55,776  |
| W9SNR/R  | 54,908  |
| VE3WJ/R  | 52,074  |
| K1DS/R   | 43,706  |

### Limited Rover

|         |        |
|---------|--------|
| AL1VE/R | 34,959 |
| K2QO/R  | 33,562 |
| WW7D/R  | 27,588 |
| W9YOY/R | 22,875 |
| NGORB/R | 17,766 |
| KK6MC/R | 17,563 |
| N6GP/R  | 15,768 |
| KV2X/R  | 15,120 |
| W5VY/R  | 13,272 |
| N2ZBH/R | 12,672 |

### Unlimited Rover

|          |         |
|----------|---------|
| W6TE/R   | 189,000 |
| WA3PTV/R | 47,044  |
| W3HMS/R  | 19,520  |
| KJ1K/R   | 12,696  |
| KR0VER/R | 10,416  |
| W0BL/R   | 9,936   |
| KC0P/R   | 4,401   |
| N0HZO/R  | 3,575   |
| K8DOG/R  | 3,042   |
| NV6C/R   | 3,038   |



With conditions comparable to pulling teeth, Mike's, K7ULS, Single Op Portable might as well have been a mobile dental surgical office.

support it. Most of the time it has as good or better propagation than 2 meters and better immunity to manmade noise. QSOs score the same higher point value as 432 as well as providing additional multipliers. While competitive multiops, rovers, and single ops know they must have it, many stations justify not having a separate rig or transverter for this band because of increased cost and significantly lower QSO total than 2 meters (roughly 35%) or 432 (about 60%). Unfortunately this also tends to make rig unavailability

year versus 29 in 2012. But it's no surprise that 7 out of the 10 highest 2 meter QSO totals were made by multiops K8GP, W2SZ, K2LIM, W3SO, W3CCX, N6VI, and W2LV. Jeff, K1TEO, turned his lack of 6 meter Es into the 3<sup>rd</sup> highest 2 meter QSO total. Andy, K1RA, and Art, K1BX, operating at K1WHS filled out the rest. N6VI is notable as the only West Coast station among the top 2 meter QSO scorers. While most of the multiops also do WSJT meteor scatter and a few do EME contacts to boost their 2 meter grid totals, one really stands out. K5QE used both meteor scatter and EME to accumulate 102 grids on 2 meters, 3/4 more than K8GP at 68. As is true of most western stations, Marshall has many fewer 2 meter neighbors than you would find in other areas, so his pool of stations that are workable by terrestrial propagation is limited.

222 MHz is a great band but there is a limited amount of commercial equipment available since the "Big 3" Japanese rig manufacturers (Icom, Kenwood, and Yaesu) do not normally

and lower QSO totals on 222 a self-fulfilling prophecy. Only three stations in the June VHF contest had more than 100 QSOs on 222, all of them multiops. While it is more commercially available on multiband rigs, 432 generally has more difficult propagation characteristics and coax loss can be a significant factor. More attention to detail is required to be successful on this band. Six stations in the June contest had 432 QSO totals over 100, four of them multiops.

QSOs on 902 MHz and above count for more points and additional multipliers; the technical complexity and difficulty rises with the frequency, and so does the cost to put together an effective station while the QSO total continues to go down. Adding SHF and microwave bands with their higher point values tends to be the province of the more technically minded as well as being a necessity for the more competitive stations. But diminishing returns come with low geographical population density where there are few, if any, other stations avail-

able to work. Generally rovers and portables have an easier time adding these bands than fixed stations since high-gain antennas are significantly smaller and coax runs are shorter. The ranks of the Classic and Unlimited Rovers who do carry them continues to dwindle, and along with that the number of QSOs other stations make on these bands.

### Single Operators

The majority of contest activity originates with the Single Operators who take advantage of their station capabilities, ranging from a single band with modest antenna to a multiband station with stacked arrays. The Single Operator, Low Power (SOLP) category has had the most logs submitted since its inception and has seen successful portable as well as fixed station efforts. The Overall SOLP W3ZZ Memorial First Log Award has been sponsored by Tim, K3LR, and Dave, W9PA, for a second year and goes to KF7PSM in DM26 (NV). I'm proud to confirm I worked Pete! Good job and welcome to the ranks of SOLP VHF+ contesting!

Bob, K2DRH, in EN41 (IL) built a single-tower multiband station with pairs of long boom antennas on each band that has helped him earn 1<sup>st</sup> in the SOLP category for 9 of the past 10 years. This year, with the help of a new 6 meter tower and array he attained a score of 169K using eight bands through 3456 MHz to put win number 10 in the books. In only his second June VHF Contest, Mike, AB5EB, added an Innovantenna 3-el OWL (Optimized Wideband Low-impedance) stack to his 7-el LFA (Loop-Fed Antenna) and took advantage of the STX 6 meter propagation with a single-band effort that took 2<sup>nd</sup> place with 88K. Frequent Top Ten finisher WB1GQR manned by Mitch, W1SJ moved up to 3<sup>rd</sup> this year with 84K, also using eight bands through 3456 MHz. N0POH placed next with a seven-band effort of 80K and Todd, N4QWZ, completed the Top Five with a 78K six-band log.

The Single Operator, High Power (SOHP) category is where the true heavyweights in the VHF world exercise their capabilities. Jeff, K1TEO, in FN31 (CT) has built a very effective 10-band station; his continuing success over more than a decade shows his dedication. Once again Jeff takes top honors with 373K, even after a 5760 MHz failure soon after the contest started. This is about half of his winning score in 2012, attesting to the generally poor conditions experienced in most places. The big news in SOHP was Jay's, W9RM, three-band effort from DM58 (CO) who moved up from 8<sup>th</sup> place last year to take 2<sup>nd</sup> place in his second June VHF outing from his soon-to-be new QTH. Using only Field Day-style antennas with a temporary setup in a pole barn he racked up a great score of 230K, mostly on the merits of his 6 meter effort. Jay was a 6 meter operator at the now silent K9NS EN52 (IL) Limited Multiop and says to watch out when he puts up some "real antennas."

### Sponsored Plaque Winners

| Plaque Category                                  | Plaque Sponsor   | Winner   |
|--|--|----------|
| Overall Single Operator High Power               | Southeastern VHF Society                                     | K1TEO    |
| Overall Single Operator Low Power                | Society of Midwest Contesters                                | K2DRH    |
| Overall Single Operator 3-Band                   | Northern Lights Radio Society                                | AA5AM    |
| Overall Single Op Low Power, First Log           | W3ZZ First Log Award —<br>Memorial by Tim K3LR and Dave W9PA | KF7PSM   |
| Overall Multioperator                            | Randy Stegemeyer, W7HR                                       | W2SZ     |
| Overall Limited Multioperator                    | Gene Zimmerman, W3ZZ Memorial —<br>ARRL Contest Branch       | K5QE     |
| Overall Rover                                    | 73 Tim KE3HT/SK, Microwave DX Addict                         | K6AH/R   |
| Atlantic Division Rover                          | Potomac Valley Radio Club                                    | NN3Q/R   |
| Dakota Division Single Operator Low Power        | Northern Lights Radio Society                                | WA3EOQ   |
| Hudson Division Single Operator Low Power        | NY2NY — In Memory Of Dick, W2GFF                             | WB2SIH   |
| Northwestern Division Single Operator High Power | Boring, OR Amateur Radio Club                                | W7EW     |
| Northwestern Division Multioperator              | Randy Stegemeyer, W7HR                                       | N7NW     |
| Northwestern Division Rover                      | Pacific Northwest VHF Society                                | KD7DCR/R |
| Roanoke Division Rover                           | Potomac Valley Radio Club                                    | W4STR/R  |
| Southeastern Division Single Operator High Power | Southeastern VHF Society                                     | K4PI     |
| Southwestern Division Single Operator Low Power  | Bud Semon, N7CW  | WJ0F     |
| Canada Single Operator Low Power                 | Northern Lights Radio Society                                | VA3ZV    |



Dave, K1RZ, is also no stranger to the Top Ten and posted a nine-band effort of 218K to take third place. George, K5TR, came in 4<sup>th</sup> with 200K from respectable totals on the bottom four bands and George, NR5M, came in 5<sup>th</sup> with a 6 meter-only effort of 196K.

The Single Operator, Portable (SOP) category limits stations to 10 W, which makes it more difficult to attract the attention of other stations. Wayne, N6NB, who is a living legend in VHF+ contesting and has built more tower trailers than most folks have erected towers, once again succeeded in this category. With his 96K score it is evident that conditions play a somewhat lesser part in his winning strategy than the pursuit of the Southern California Contest Club rover pack. Jory, KJ5RM, found a great spot in EM12 to take advantage of the 6 meter propagation to TX and with three bands took second place with 32K. Chris, W1MR, (NH) took 3<sup>rd</sup> this time with his six-band station scoring 26K. 4<sup>th</sup> place is held by Zack, W9SZ, with 16K who takes 10 bands to a hill in EN50 (IL) every year. It's definitely worth seeking out his 10 dB weaker signal on 2 meters since he and I can usually sweep on all of my eight bands. Dave, KB5WIA, in CA took the 5<sup>th</sup> spot with a 15K four-band effort and over 100 more QSOs than Zack, but the additional multipliers and points on the micro-waves worked to Zack's advantage.

Two new single operator categories were added to this year's June VHF Contest. Single Operator, Three-Band (SO3B) is already looking like a big hit with 108 entries that mostly put a dent in the SOLP log totals. Single Op, FM-Only (SOFM) generated nine log submissions. The majority of these entries set the first section, division, and contest records for these categories.

It was a battle of NTX stations for the initial first-place score in SO3B. Scott, AA5AM, in EM13 made the switch from SOLP and parlayed the 6 meter openings to edge out Tim, K7XC, with 72K. K7XC used his tower trailer for the first June VHF Contest at his new QTH in EM12 to score 2<sup>nd</sup> place with 63K. They were only separated by seven QSOs but Scott managed to find 20 more multipliers on 6 meters, pushing him well over the top. We hope to see many more battles like this with these two stations in the future! Bob, KØNR, in DM78 (CO) also used his operating skills to rack up good 6 meter totals and secure 3<sup>rd</sup> place with 48K. Jim, KO9A, in EN52 (IL) made the best of the meager Midwest 6 meter openings on Sunday and leveraged good results on 2 meters and 432 to take 4<sup>th</sup> place with 42K. Rounding out the Top Five was Burke, KF7NP, in AZ who also took advantage of 6 meters with 23K to barely squeak by Gary, N7IR, in an adjacent grid by less than 1K.

While entries in the SOFM category were few, they did span both coasts and most included QSOs on all of the bottom four bands. The

initial top score in the SOFM category was logged by Art, KBØLYL, from EN34 (MN) with 146 2 meter QSOs in 10 grids for 1460 points — congratulations! Art was closely followed by Terry, K6TDI, with 23 Qs and 12 grids for 360 points and Ev, W2EV, from the opposite coast with 312 points. Fourth place went to Bob, VE6CCL, from AB — the only Canadian to participate in this new category.

### Multioperators

These stations and the crews dedicate much time and effort in finding just the right spot to operate from; many carry and set up equipment and antennas in remote locations every year. The Limited Multiops (LM) can operate on as many bands as they wish but can only submit the results from four bands for scoring. Most acquire their best score from the bottom four bands (50, 144, 222, and 432 MHz). The Unlimited Multiops (UM) can score QSOs from practically dc to daylight. These stations are on the air all the time and they set the limits of what's possible for VHF+ contesting.

Despite their disadvantageous distance from major population centers that have more stations to work, K5QE posted a score of 383K to win the LM category this year. Being in the area with some of the best 6 meter openings during a down year, and posting the highest 6 meter grid total certainly didn't hurt their score. But it was really their all-out efforts on 2 meters really put them over the top with the highest grid total of the contest on that band as well. W3SO garnered 214K to take second place with much lighter 6 meter results but solid performances on the other three bands. K2LIM with 165K has a firm hold on 3<sup>rd</sup> place for the second year in a row with more QSOs than W3SO but fewer multipliers on 222 and 432. The crew at WA7JTM in AZ took advantage of conditions and had an excellent run on 6 meters that propelled them into 4<sup>th</sup> place with 42K. And Gator, N5RZ, with Deborah, N5RZA, turned their mostly 6 meter effort into a 5<sup>th</sup> place finish with 126K. Sadly, missing this year was the top three finisher efforts of K9NS in IL due to harsh winter ice storms taking out many of the antennas at veteran VHF+ contester Frank's, K9HMB, QTH. I know all of us in the Midwest miss their big signal and hope that things get back to normal soon.

The stalwart crew at W2SZ on Mt Greylock posted another win in the UM category. Despite significantly lower grid totals than last year on 6 and even 2 meters they were still able to log a score of 940K on the strength of their 902 and above efforts. This group has been in the June VHF Contest every year since 1983 and has claimed the top spot in this category 23 times. Their dedication year after year is admirable. The Grid Pirates, K8GP, relative upstarts since 1993, along with their sorely missed muse, Gene, W3ZZ (SK), are among the few who have also reached the top of this category. For the second excursion to their new spot in



The AB5EB three-element 6 meter OWL Yagi array. [Mike Crossover, AB5EB, photo]

### Affiliated Club Competition

|                                    |    |           |
|------------------------------------|----|-----------|
| Southern California Contest Club   | 23 | 1,369,498 |
| Potomac Valley Radio Club          | 35 | 1,339,392 |
| Florida Contest Group              | 13 | 127,548   |
| Contest Club Ontario               | 19 | 642,152   |
| Mt Airy VHF Radio Club             | 13 | 636,754   |
| North East Weak Signal Group       | 17 | 606,322   |
| Society of Midwest Contesters      | 47 | 547,744   |
| Grand Mesa Contesters of Colorado  | 11 | 509,554   |
| Central Texas DX and Contest Club  | 9  | 419,111   |
| DFW Contest Group                  | 10 | 335,230   |
| Northern California Contest Club   | 22 | 308,932   |
| Badger Contesters                  | 14 | 305,211   |
| Pacific Northwest VHF Society      | 20 | 269,307   |
| Arizona Outlaws Contest Club       | 27 | 232,468   |
| Northern Lights Radio Society      | 15 | 229,000   |
| Yankee Clipper Contest Club        | 20 | 202,371   |
| Carolina DX Association            | 5  | 139,663   |
| North Texas Contest Club           | 3  | 88,434    |
| Tennessee Contest Group            | 7  | 81,800    |
| Cold Brook Contest Club            | 5  | 49,316    |
| Frankford Radio Club               | 9  | 45,049    |
| Mad River Radio Club               | 7  | 44,317    |
| Alabama Contest Group              | 7  | 22,274    |
| CTRL Contest Group                 | 4  | 20,380    |
| South Jersey Radio Assn            | 3  | 13,301    |
| Georgia Contest Group              | 4  | 5,133     |
| South East Contest Club            | 5  | 4,969     |
| Minnesota Wireless Assn            | 6  | 2,655     |
| Rochester (NY) DX Assn             | 3  | 2,046     |
| Willamette Valley DX Club          | 4  | 1,864     |
| Hudson Valley Contesters and DXers | 3  | 632       |

### Local Club Category

|                                      |    |         |
|--------------------------------------|----|---------|
| Badger Contesters                    | 14 | 305,211 |
| Stoned Monkey VHF ARC                | 4  | 46,333  |
| Florida Weak Signal Society          | 4  | 31,776  |
| Chippewa Valley VHF Contesters       | 3  | 22,028  |
| Bristol (TN) ARC                     | 8  | 21,231  |
| Kansas City DX Club                  | 3  | 11,887  |
| Granite State ARA                    | 3  | 9,847   |
| Hilltop Transmitting Assn            | 3  | 8,302   |
| Contoocook Valley Radio Club         | 3  | 5,577   |
| Portage County Amateur Radio Service | 3  | 3,790   |
| Bergen ARA                           | 3  | 2,916   |
| Raritan Bay Radio Amateurs           | 4  | 2,713   |
| 10-70 Repeater Assn                  | 3  | 279     |

## Regional Leaders

| Northwest Region<br>(New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections) | Southeast Region<br>(Delta, Roanoke and Southeastern Divisions) | Central Region<br>(Central and Great Lakes Divisions; Ontario East, Ontario North, Ontario South and Greater Toronto A) | Midwest Region<br>(Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections) | West Coast Region<br>(Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections) |
|--|---|---|---|---|
| WB1GQR 84,249 LP   | N4QWZ 78,960 LP   | K2DRH 169,926 LP  | AB5EB 88,615 LP   | WJ0F 33,264 LP  |
| AF1T 69,156 LP   | N3LL 44,388 LP  | KC9BQA 63,840 LP  | N0POH 80,088 LP   | NQ7R 22,572 LP  |
| WB2SIH 51,612 LP   | KX4R 41,529 LP  | N9DG 63,802 LP  | N0LL 68,425 LP  | KE0CC 14,706 LP   |
| K1KG 48,654 LP   | AA5AU 13,112 LP   | K8GDT 17,056 LP   | KK0Q 59,760 LP  | K6ATZ 14,384 LP   |
| K2KIB 38,658 LP  | W5MRB 42,075 HP   | VA3ZV 16,985 LP   | N5JR 37,760 LP  | K2GMV 13,530 LP   |
| K1TEO 373,250 HP   | W3IP 37,856 HP  | W0UC 95,765 HP  | W9RM 230,622 HP   | K6KLY 73,168 HP   |
| K1RZ 218,816 HP  | K4PI 37,050 HP  | K9EA 72,708 HP  | K5TR 200,999 HP   | W7EW 48,488 HP  |
| K1WHS 151,677 HP   | W4ZRZ 34,989 HP   | VE3ZV 70,980 HP   | NR5M 196,448 HP   | VE7JH 41,412 HP   |
| WA2FGK 123,888 HP  | KE2N 31,995 HP  | K8TQK 52,096 HP   | K5AM 148,890 HP   | N7EPD 36,757 HP   |
| W3PAW 117,450 HP   | NV4B/5 770 QRP  | W9GA 52,029 HP  | W6OAL 113,064 HP  | AJ6T 34,989 HP  |
| W1MR 26,400 QRP  | KC8KSK 35 QRP   | W9SZ 16,600 QRP   | KJ5RM 32,384 QRP  | N6NB 96,036 QRP   |
| N2SPI 4,773 QRP  | K3TW 1 QRP  | K9AKS 8,496 QRP   | WB9PNU 2,205 QRP  | KB5WIA 15,650 QRP   |
| WB2AMU 1,675 QRP   | K1TO 9,636 3B   | K9PLS 30 QRP  | N0JK 110 QRP  | AF6RR 3,103 QRP   |
| K2FR 1,638 QRP   | W4ATL 6,110 3B  | W9LGP 12 QRP  | KD7WPJ 72 QRP   | WA9STI 1,674 QRP  |
| N1PRW 744 QRP  | K4UB 4,092 3B   | K9TMS 4 QRP   | AA5AM 72,488 3B   | KE7UQL 672 QRP  |
| KV2M 8,400 3B  | N5QO 2,193 3B   | K09A 41,944 3B  | KF7NP 63,510 3B   | KF7NP 23,532 3B   |
| W1FW 5,976 3B  | N5BLV 1,989 3B  | W9PA 13,608 3B  | K0NR 48,117 3B  | N7IR 22,632 3B  |
| N3UM 4,699 3B  | AA4ZZ 119,250 LM  | N9ISN 9,936 3B  | K15YG 16,432 3B   | K6MI 16,402 3B  |
| N2SLO 4,454 3B   | W4NH 76,311 LM  | NT9E 7,728 3B   | WB0GAZ 5,035 3B   | K7BG 8,680 3B   |
| W3LL 3,948 3B  | K4MM 35,632 LM  | N9TF 7,728 3B   | KB0LYL 1,460 FM   | VE7DAY 7,888 3B   |
| W2EV 312 FM  | K5GDX 22,311 LM   | N8ZM 96,775 LM  | K5QE 383,691 LM   | K6TDI 360 FM  |
| KB1YNT 75 FM   | K8GP 650,076 UM   | W9RUG 9,796 LM  | N5RZ 126,000 LM   | VE6CCL 242 FM   |
| KD2DLL 27 FM   | W4IY 197,580 UM   | W9R0H 6,240 LM  | W0LSD 29,008 LM   | N9VM 216 FM   |
| AK2S 12 FM   | W5ZN 32,805 UM  | W9TE 5,831 LM   | W0FRC 21,620 LM   | W7DMU 66 FM   |
| W3SO 214,140 LM  | WN2E 21,008 UM  | VE3EG 1,275 LM  | N0EO 19,758 LM  | WA7JTM 142,780 LM   |
| K2LIM 165,725 LM   | N4JQQ 14,857 UM   | VE3WCC 194,575 UM   | W0KVA 183,359 UM  | K0DI 13,200 LM  |
| W2LV 78,648 LM   | AG4V/R 24,528 R   | K9CT 131,776 UM   | KB0HH 119,780 UM  | N6ML 11,690 LM  |
| W1QK 34,320 LM   | W4STR/R 84 R  | N9UHF 46,287 UM   | AA7XT 93,786 UM   | K7NG 9,398 LM   |
| W3HZU 21,183 LM  | K4YRK/R 50 R  | K8MM 28,737 UM  | WQ0P 62,556 UM  | AA7A 8,255 LM   |
| W2SZ 940,416 UM  | W5VY/R 13,272 RL  | AJ9C 14,175 UM  | W0RIC 29,302 UM   | N6VI 475,200 UM   |
| W3CCX 315,668 UM   | W0POH/R 570 RL  | VE3OIL/R 141,372 R  | K0MHC/R 12,648 R  | W6TV 74,375 UM  |
| K3EOD 51,408 UM  | W14GR/R 558 RL  | VE3SMA/R 116,775 R  | W7QQ/R 8,550 R  | N7NW 58,926 UM  |
| WB3IGR 14,213 UM   | K11U/R 180 RL   | W9SNR/R 54,908 R  | N7SMI/R 500 R   | W6W 40,664 UM   |
| W1AN 7,832 UM  | KS4YX/R 133 RL  | VE3WJ/R 52,074 R  | AL1VE/R 34,959 RL   | N7CW 34,055 UM  |
| NN3Q/R 55,776 R  |   | KF8QL/R 5,184 R   | KK6MC/R 17,563 RL   | K6AH/R 208,254 R  |
| K1DS/R 43,706 R  |   | W9YOY/R 22,875 RL   | K0BBC/R 10,248 RL   | K16FGV/R 182,637 R  |
| KA3KSP/R 99 R  |   | K9JK/R 11,220 RL  | KR5J/R 7,701 RL   | N6HD/R 164,780 R  |
| K2QO/R 33,562 RL   |   | K9GY/R 4,056 RL   | N0LP/R 7,314 RL   | KJ5MSY/R 126,126 R  |
| KV2X/R 15,120 RL   |   | VE3GJ/R 3,240 RL  | KR0VER/R 10,416 RU  | KE6QR/R 21,112 R  |
| N22BH/R 12,672 RL  |   | W8ISS/R 465 RL  | W0BL/R 9,936 RU   | WW7D/R 27,588 RL  |
| KC2SFU/R 8,154 RL  |   | K8DOG/R 3,042 RU  | KC0P/R 4,401 RU   | N6ORB/R 17,766 RL   |
| N3XUD/R 5,436 RL   |   |   | N0HZO/R 3,575 RU  | N6GP/R 15,768 RL  |
| WA3PTV/R 47,044 RU   |   |   |   | K6LMN/R 6,380 RL  |
| W3HMS/R 19,520 RU  |   |   |   | N6ZE/R 2,709 RL   |
| K1K/R 12,696 RU  |   |   |   | W6TE/R 189,000 RU   |
|  |   |   |   | NV6C/R 3,038 RU   |

FM19 this year, they posted a 2<sup>nd</sup> place finish of 650K with outstanding totals on 6 and 2 meters, but were unable to take the same command of the higher bands. N6VI on the West Coast moved up into the 3<sup>rd</sup> spot in this category with a solid performance on 10 bands. W3CCX also posted a solid performance of 315K including 15 QSOs on Light to take 4<sup>th</sup> and W4IY came in 5<sup>th</sup> with 197K narrowly beating VE3WCC by 3K.

### Rovers

In the RL category Tim, ALIVE, once again captured the field with 3 bands and a score of 35K with good totals on 6 meters and by roving in seven grids in OK. Mark, K2QO, with Paul, W2TAU, by his side came in a close second with 33K by visiting eight grids in WNY. Darryl, WW7D roved in nine relatively rare grids in WWA and OR to amass a score of 27K to capture 3<sup>rd</sup> place. Rounding out the Top Five were Charles, W9YOY, who added eight grids in IL with a score of 23K and Dave, N6ORB, who activated three grids and logged a score of 17K.

The stalwart rovers of the Southern California Contest Club took the top three spots in the R category. Andre, K6AH, was the leader of the

pack with 208K — amassed on 10 bands through 10 grids. Jim, KI6FGV, took second place using 10 bands with 182K by visiting nine grids and Dave, N6HD, took 3<sup>rd</sup> also operating on 10 bands from nine grids. Perennial rover Russ, VE3OIL, ran 11 bands in nine grids around Ontario with a score of 141k to take 4<sup>th</sup> place. Mark, KJ5MSY, also



The K7XC SO3B antennas at his new QTH in TX. [Photo by K7XC]

ran with the SCCC rovers in nine grids to amass a score of 126K.

There were ten entries in the Unlimited Rover (RU) category. Dave, W6TE, roamed a whopping 11 grids in the SJV SCCC stomping grounds with 10 bands to dominate the field with 189K. Joe, WA3PTV, ran four grids in the hills of WPA with 10 bands to garner 47K for second place. John, W3HMS, also fielded 10 bands for a three-grid rove through EPA that netted him 19K. Sig, KJIK, placed 4<sup>th</sup> with nine bands on a six-grid rove in WMA with 12K. In 5<sup>th</sup> Eric, KR0VER, roamed through six grids for 10K.

### Epilogue

A common observation among 6 meter operators who have been through a few sunspot cycles is that Es propagation is less prevalent during the peak sunspot years. When I've voiced this observation on the ON4KST chat page several very knowledgeable and respected stations who keep statistics on such things told me in no uncertain terms that it's without merit. True or not, you certainly won't disprove it from the QSO and grid totals reported during this June contest.

See you on June 21-23 in 2014!