

# ARRL UHF Contest - August 2-3, 2008

By: John (JK) Kalenowsky, K9JK  
[hamk9jk@ameritech.net](mailto:hamk9jk@ameritech.net)

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*"A little bit of tropo makes a big difference..."*

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The Field Day style setup used by the operators of 2008 Multi-Op Winner, KI9R. (Photo - Kevin Thomas, KG9IL and Mark Thomas, N9UM)

For the 30th anniversary of the UHF Contest, the first weekend of August, 2008, saw UHF and microwave radio enthusiasts turning on their equipment, spinning their antennas (and for the 30 Rovers, hitting the road) for that 24 hours from 1800 UTC Saturday to 1759 UTC on Sunday. Just shy of 200 logs were received (barely missing my personal plea from last year's results article for over 200 to be submitted). Still, it was an increase over the number of logs received in 2007.

Nearly 11,000 QSOs were contained in this year's logs, quite close to the number of QSOs reported in 2007, even though 28 fewer logs were submitted then. Among the categories, Single-Operator Low-Power remains most popular, with 97 logs (half of the total), followed by Single-Operator High-Power, with 51 logs (just over a quarter of the logs). Logs from 30 Rover stations (22 classic Rover, seven Limited Rover and two Unlimited Rover), along with 16 Multi-Operator entries made up the remainder.

## Where the Action Was

For the "where" by band, the "Activity by Band" and "Participation by Band" tables are back for 2008 but now compare three years of activity, from 2006 through 2008. In **Table 1**, Activity by Band, it is interesting to note that even with 194 logs submitted in 2008 (compared to 166 for 2007 and 190 in 2006) QSO totals for actually dropped for the 222, 432 and 1296 MHz bands despite a higher number of stations reporting QSOs on those bands in 2008 than for either 2006 or 2007. QSO counts increased on the 2.3 GHz through 10 GHz bands, though only 2.3 GHz showed a significant increase in number of stations active on that band.

**Table 1 - Activity by Band, 2006 through 2008**

	2006		2007		2008	
Band	QSOs	Stations	QSOs	Stations	QSOs	Stations
222 MHz	3229	152	2767	130	2700	156

432 MHz	4618	189	4204	165	3741	192
902 MHz	1037	90	850	77	906	88
1.2 GHz	1613	131	1520	108	1378	137
2.3 GHz	585	67	414	51	679	73
3.4 GHz	337	49	306	40	489	48
5.7 GHz	222	36	181	27	353	24
10 GHz	389	56	316	43	567	50
24 GHz	38	14	28	11	11	7
47 GHz	0	0	2	2	0	0
Light	1	1	10	6	8	6

**Table 2 - Participation by Number of Bands, 2006 through 2008**

Bands	2006 Logs	2007 Logs	2008 Logs
1	26	26	27
2	32	36	32
3	40	21	35
4	25	24	29
5	8	15	20
6	18	16	15
7	12	4	16
8	19	18	15
9	10	2	3
10	0	4	2



**Figure 1 – 2008 August UHF Activity Map. Activated grids are in yellow. (Map from [www.km0t.com](http://www.km0t.com))**

To help visualize the “where” geographically, the map of activity in [Figure 1](#) is new for 2008. It shows the grid square from which contacts were reported as having been made. The map only contains contacts from electronically submitted logs (about 90 % of the total QSOs and 86% of the logs).

### Some notable contacts

Thanks to a bit of tropospheric enhancement Saturday evening and Sunday morning, quite a number of long haul contacts were made during the contest. The winners for longest distance appear to be the 222 and 432 MHz contacts between **AA4ZZ** (EM96, NC) and **K5QE** (EM31, NTX)--over 700 miles according to AA4ZZ's Soapbox entry! On 902 MHz, **K4XR** (EM64, AL) and **WQØP** (EM19, KS) linked up over a 600+ mile path.

A number of contacts were achieved in the 500-mile range on bands as high as 3.4 GHz. **K2DRH** (EN41, IL) and **W4ZRZ** (EM63, AL) completed their exchanges over a path just shy of 600 miles on 1296 MHz. On 2304 and 3456 MHz, **K3SIW** (EN52, IL) and **K4XR** (EM64, AL) made contact over a 500+ mile path. Some other long haul QSOs on 2304 and 3456 were achieved between **AG4V** (EM55, TN) and both **K2DRH** (EN41, IL) and **KI9R** (EN52, IL) with paths just shy of 500 miles. For 5.7 and 10 GHz, it's **W4ZRZ** (EM63, AL) and **W9SZ** (EN50, IL) who claim the best DX--the path between them was just shy of 500 miles. It is very interesting to see the repeated presence of Alabama and Illinois on one or both ends of these longer paths.

Several Rovers got into the longer haul contacts, too. **N8UM/R** (from EM85) linked up with **K5QE** (EM31, NTX) on 222 and 432 MHz. N8UM/R also made contact with **K2DRH** (EN41, IL) on 222, 432, 902 and 1296 MHz. **N9TTX/R** (from EN33) reported contacts on 222 and 432 MHz with **N4QWZ** (EM66). These paths were all over 500 miles in length and based on the six-character grid locators of EM85bq for N8UM/R and EM31cj for K5QE. That path was approximately 665 miles!

### Top Scorers by category

For a *fifth* consecutive year, it was the “usual suspects” in Single-Op High-Power with **Mike, KMØT**, **Don, WW8M**, and **Jeff, K1TEO**, finishing in first, second, and third places in that category.

After having been edged out of the top spot for Single-Op Low-Power in 2007, **Bob, K2DRH**, returned to first place, a very familiar spot for him. **Todd, KC9BQA**, stepped into the second spot for the “A” category in 2008 and **Dave, NØKP**, as he did in 2007, finished out the “Top Three” for Single-Op Low-Power. Three operators of **Team Papa Fox** piloted their **KI9R** club call to achieve the top national score in the Multi-Operator category. This was a first-time “Field Day” style operation for them and is described in a nice [sidebar](#) to this article. **AG4V** added packet as a second operator to finish in 2nd place for Multi-Op and four members of the **Chippewa Valley VHF Contesters** operated using their club call, **K9CVC**, finishing in 3rd place.

With two new Rover categories, the landscape changed a bit; activity in the Upper Midwest remained strong as a fifth “Rover Mania” effort was initiated by the Northern Lights Radio Society, but activity in California produced the top scores for Rovers in 2008. Though it has spurred a bit of discussion on e-mail reflectors, a group of California rovers got together and, among them, made the top scores in the classic Rover category as well as in the new Rover-Limited and Rover-Unlimited categories. **Wayne, N6NB**, led the way in the classic Rover category with eight bands and visiting ten grids. **Rob, KG6TOA**, chose the four bands from 2.3 GHz through 10 GHz and visited ten grids to establish the first top score in the Rover-Limited category. In Rover-Unlimited, **Mike, W6YLZ** (along with co-pilot/driver **John, N6MU**) traveled with eight bands through ten grids to set the top score for that new category. **Jon, WØZQ**, claimed the #2 spot in Rover, traversing seven grids with eight bands, followed by **Bruce, W9FZ**, who activated eight grids with six bands. In Rover-Limited, second and third places were claimed by your author, **John, K9JK**, and **Mel, KCØP**, respectively, although both only visited four grids with three bands. Second place in Rover-Unlimited was claimed by **Jim, AF6O**, with his Saturday-only effort that traveled through six grids with eight bands.

Even with the new sub-categories for rovers, the total of rover entries for 2008 was 30; 21 classic Rovers, seven Limited Rovers and two Unlimited Rovers. This is one less entry than the 31 Rover entries in the

2007 contest which only had 166 logs overall. This year's rovers did visit a comparable number of grid squares, 143 compared to 146 in 2007, but there was a definite shift in the geography of that activity, with 42 of 2008's 143 grids activated by the six entrants in the West Coast Region, from which NO logs had been submitted by rovers in 2007.

### **New Divisional Records**

The effort by **Bob, K2DRH** to reclaim the top spot in Single-Operator Low-Power, resulted in a new Central Division record as well as a new National Record. Another "A" category record was updated by **Greg, WQØP** in the Midwest Division.

For a FOURTH consecutive year, **Jimmy, W4ZRZ** reset the "B" category record in the Southeastern Division, continuing an amazing trend.

In the Multi-Operator category, two divisions had records reset. The new Central Division record was set by the three operators of **KI9R**, while **AG4V** added packet to claim the record for the Delta Division. While 2008 brought the Rover-Limited and Rover-Unlimited categories to the UHF Contest, resulting in new divisional and national records in those new categories, a number of divisional records for classic Rover were recorded in 2008. **John, N8UM** set a new top Rover score for the Delta Division. **Jon, WØZQ** topped his own previous record for the Dakota Division. **Wayne, N6NB** shattered the prior best Rover score for the Pacific Division.

For the new Limited Rover category, the seven entrants were from six different divisions resulting in six new divisional records. They are: Atlantic—**Joe, W3BC** (with **Bryan, WA3UFN**); Central—**John, K9JK**; Dakota—**Mel, KCØP**; Northwestern—**Pete, N6ZE**; Pacific—**Rob, KG6TOA**; and Rocky Mountain—**Duffey, KK6MC**. In Unlimited Rover, both entrants were from the same division so only one can claim the record, and the claimer is **Mike, W6YLZ** (with **John, N6MU**).

### **Regional Highlights**

[Table 3](#) shows how the contest played out across the continent. The Northeast Region was the top source of logs with 50 received in 2008 (compared to 47 in 2007). **K2KIB** topped the 24 "A" category entries, and **K1TEO** led the 15 Single-op High-Power entries. **W3KWH** was first among the five Multi-Op entries from the Northeast. Six Rover logs were received from the region; five were classic Rover, led by **WA3PTV/R**, and **W3BC/R** (+**WA3UFN**) was the sole Rover-Limited entry.

Forty-one logs were submitted from the Southeast Region for 2008, an increase of 14 for the region from 2007. **AA4ZZ** and **W4ZRZ** topped their respective "A" and "B" categories as they did in 2007, leading 20 and 15 entries in those categories for 2008. **AG4V** topped the four Multi-Op entries from the region and **N8UM/R** claimed the top Rover score for the region of two entries, both of which were classic Rover. The Central Region's log count for 2008 slipped to 35 from 44 in 2007. The national Single-Op Low-Power top-scorer **K2DRH** led the 21 Low-Power entries from the region. Among seven "B" category logs, **WW8M** was the top scorer. Of three Multi-Ops from the Central Region, national winner **KI9R** was the best. Four Rover entries included regional high scores from **N9TTX/R** among three classic Rover entries and **K9JK/R** as the one entry in Limited Rover.

The log count from the Midwest Region grew to 45 in 2008 (eight more than 2007) and included **KMØT**, the national top scorer in Single-Op High-Power, leading eight Midwest Region entrants in that class. In the "A" category, **NØKP** topped the 22 Single-Op Low-Power logs. Among three Multi-Operator entries from the region, **KBØHH** claimed the top score. The dozen Rover logs received from the Midwest Region was the highest regional count, consisting of nine classic Rover entries, led by **WØZQ/R**, and three Rover Limited entries led by **KCØP/R**.

Log submissions from the West Coast Region increased by more than 40% from 16 in 2007 to 23 for 2008. The group of California rovers mentioned above represents five of the seven additional logs for 2008. Within the Single-Operator entrants, ten were Low-Power and six were High-Power with **VE7DXG** and **N7EPD** claiming the top spots, respectively. **N6SJV** was the best (and only) Multi-Op from the region. With another Rover from outside of California, there were six Rover logs received from the region, split

equally between Rover, Limited Rover and Unlimited Rover with two entrants in each of those sub-categories. The leaders were **N6NB/R**, **KG6TOA/R** and **W6YLZ/R**, respectively.

**What will 2009 bring?**

According to the *2009 ARRL Contest Calendar*, the dates are set as August 1-2, 2009. "We" came close to crossing the 200 log hurdle but fell just short so I will repeat my goal from last year to surpass that number. (Subliminal message...>200 Logs, >200 Logs, >200 Logs, >200 Logs, >200 Logs)

Thanks to all who participated in 2008, and here's hoping that most, or ideally ALL, of you can return in 2009 (and submit your logs, too!). Again, I'll close with Bill Seabreeze (SK) ex-W3IY's famous directive to "*listen for the weak ones!*" an **especially** important credo on the higher bands.

# ARRL UHF Contest - August 2-3, 2008

The Thrill of the Contact

By: Mike King KMØT



Mark KBØNMQ/R at the controls from EN23 (Photo – Austin Scheibler)



Cheap Yagi Setup (Photo – Austin Scheibler)



**KBØNMQR with compass in hand from  
Hawkeye Point (Photo – Terry Martin NØVJN)**

Over the years, the UHF Contest has become my favorite. After winning a few of these, it keeps you motivated to start preparing early and improving the station. Over the last few years, my motivation may have dropped slightly. I attributed this to my limited time; due to family, I can only concentrate on one “large” event. But as I think about it more, one more thing that really motivates is to bring in new blood and have them make contacts on bands on which they have never operated. Hearing the thrill of the contact in their voice is the best motivator of all.

My good friend Mark KBØNMQR is a ham out of Ashton, Iowa. We have known each other for nearly all the years I have lived in Iowa. We met through the local HF / FM repeater club. Over the years, we had always talked about what each of us was up to in amateur radio. Shack visits, meeting on the air and the occasional Sunday football game with each other’s family was on the ticket from time to time.

I had put out a funny note on the NLRs reflector earlier in the year about the advantages of “Roving Iowa--it’s the new state motto”, but still had no one to borrow the portable equipment. So right before the contest, I spoke with Mark and asked if he was interested in doing some microwave operating. He indicated that he would like to do it, but did not really know the ins and outs, where to go, etc. So with some more convincing, Mark showed up Friday afternoon for a quick training session!

We went through the portable dual-band 5.7 / 10 GHz dish operating parameters as well as the portable 24 GHz dish. We set them up on the back of the patio at my house and pointed them back to Mark’s place, as earlier in the year he had allowed me to put up a 10 / 24 GHz beacon there. We tuned them in and he swung the dishes back and forth to get a feel for how to point them. After that, I got up in the rafters of the garage and pulled out an old wooden dowel 432 MHz “[Cheap Yagi](#)”. I said “no cell phones, this is your life line”. With the few close-in grids he was going to, hearing him from his FT-100 on 432 MHz would not be a problem. “Just point it back towards me and start calling, I will hear you!” We then talked about a few locations to visit, got the GPS set up, and off he went.

That next late afternoon in the heat of the contest, there was Mark, giving out CQs on 432! We got hold of one another and I found that he was right in Ashton--EN23--up on a hill. He and his son Austin were all set up, the cheap Yagi on a short pole strapped to the vehicle and the dishes primed and ready. At 25 miles, the dish contacts went well and he was excited about his first contacts. I even talked to Austin for a bit! Right before that, I had worked Gene NØDQS/R in EN21. I knew he was lurking around, so I swung the antennas south and got Gene to call up there. Sure enough, after some coordinating on my part back and forth between Gene and Mark, he finally got the antenna pointed at him and they made a contact on 432. I could just barely hear Mark as he made the contact, as he was no longer pointed at me, but hearing the excitement in his voice making contact with Gene was priceless.

As night approached, Mark and Austin hit a few more grids. We again made contact, but being in the dark made things much harder. It's hard enough for Rovers in the daytime to find good spots, but Mark was out in the fields of Iowa, hardly able to see what he was pointed at. From EN22 he was pretty weak, but I think he was pointed directly into the corn. The other two grids were easier, as he had some elevation. Although we had to peak and re-peak the 24 GHz dish in order to make a good contact, 24 GHz was coming in well. After making the official contest contacts, we chatted on 24 GHz for quite some time. Mark indicated that even in the dark, he and his son were having the time of their life, spending time together, watching the stars, and "making a few Qs".

The next day, I heard Mark again on 432. He took the equipment out to Hawkeye Point, the highest elevation in Iowa. He and another friend, Terry NØVJN, were going to operate. I talked to them and encouraged them to find other stations to contact, as we could not count these contacts. Both Mark and Terry did not realize that they could not "share" the equipment for QSO points. Not a problem, they sure seemed like they were enjoying talking to me anyway. I don't recall if they made contacts with any others, but when Mark dropped off the equipment a few days later, I could tell it did not matter. They were so fired up about their quick Rover experience that getting these guys to roll again should take little effort. It's the thrill of the contact that motivates.

See you next year!

73, Mike KMØT



# ARRL UHF Contest - August 2-3, 2008

Motivated to Rove  
By: James Duffey KK6MC



Photo 1 - KK6MC parked at the intersection of DM64, DM65, DM74 and DM75 near Moriarty, NM. (Photos – James Duffey KK6MC)



Photo 2 - Inside the rover, a Yaesu FT-780R drives a Mirage amp to 50 watts and a Kenwood TR-9130 and TE Systems amp provide 2 m liaison.



Photo 3 - The KK6MC rover at sundown on the Transmountain Highway.



Photo 4 - A site on day two, overlooking the Tularosa basin and the White Sands of New Mexico.



Photo 5 - KK6MC's last stop near La Luz, NM in DM72.

I was motivated to rove in the 2008 ARRL UHF Contest by K9JK's expressed desire to get 200 entrants in the contest, the [Northern Lights Radio Society](#) (NLRs) RoverMania!, and my love of roving. I had only 432 MHz capability.

Photo 1 shows the antennas with the rover parked southeast of Moriarty, NM where DM64, DM65, DM74 and DM75 all come together. Moriarty is only 40 miles from Albuquerque so that is a good place to start a contest. From top to bottom are a symmetrical double rectangle (SDR) loop for 432, which is used when underway, an 11-element [WA5VJB Cheap Yagi](#) I use when parked, and a three-element Yagi for 2 meter coordination, also of WA5VJB design.

The setup inside the car is simple and rather neat as illustrated in Photo 2. The rig is a Yaesu FT-780R driving an old Mirage amp to 50 watts. In NM, we are limited to 50 watts output due to concerns of interference by White Sands Missile Range. Two meter liaison is by way of an old TR-9130 driving a TE Systems amplifier. From Moriarty I drove west on I-40 and then south on I-25 to El Paso, operating in motion along the way. I hit El Paso near sundown and setup on the west side of the Transmountain Highway Franklin Mountain pass.

Photo 3 is of the rover at sundown on the Transmountain Highway. I have taken the long antennas down for travel. This was a productive stop and having the 2 meter rig along helped as there is a 2 meter activity night in El Paso on Saturday night. I was able to move a lot of the participants up to 432. I went to Las Cruces and spent the night. In the morning I set out for Alamogordo and DM72, setting up shop in the RV parking lot of the Space Hall of Fame.

In DM71, Photo 4 shows the site overlooking the Tularosa basin. The white line on the horizon is the famous White Sands of New Mexico. I worked the El Paso and Las Cruces gang from a different grid and heard, but could not work W7BBM in Tucson.

My last stop was near La Luz in DM72. Photo 5 shows my setup overlooking the Tularosa basin. The contest was winding down and I only made a couple of contacts here. I have added 222 MHz capability to the rover and am looking forward to next year's RoverMania!

# ARRL UHF Contest - August 2-3, 2008

From a "Mountaintop" Near Chicago

By: Mark Thomas N9UM



An open tent with screening to keep the bugs out and let the breezes in is an important part of portable operating in the summer anywhere in the Midwest. (Photos – Kevin Thomas, KG9IL and Mark Thomas, N9UM)



One of the operating positions at KI9R using an FT-736 with amplifiers for several bands and an IC-910.



**KI9R's long-boom Yagis for 432, 902, and loopers for 1296 and 2304 MHz.**



**This operating position made a lot of 1.25 m and 70 cm FM voice QSOs and was also the "microwave" station for 13 cm and "up". (Photo – Keith Thomas, N9SY)**



The view from the "mountaintop" location with the Grandstand of the Arlington Park Race Track toward the left on the horizon and Chicago's city core in the background.(Photo – Kevin Thomas, KG9IL and Mark Thomas, N9UM)

After having some success as a rover in the VHF contests, we decided to give the ARRL UHF Contest a whirl. KI9R was QRV on bands CD9EFG and laser. Operating from a fixed location was a new beast to conquer as coax losses, site noise and weather conditions are not a big concern in a rover. The weather turned out to be amazing and we experienced fantastic tropospheric ducting.

Prior to the contest, the three operators, Kevin KG9IL, John K9IJ, and I discussed this contest extensively in our local clubs and on the email reflectors. I went to club meetings and gave presentations about VHF/UHF contesting and gave some small demonstrations. Furthermore, we all begged everyone we knew to get on 223.500 MHz and 446.000 MHz if they had the capabilities. The team encouraged activity of any kind to get people on the air for the contest. As a result, we had more than 20 individual people stop by the site and wish us well and some remembered to bring their HT to work us on a few bands. We were also visited by the local police at 3 AM!

As for the contest, things went on as planned until 0300Z when things really started to pick up. We worked Alabama on 1296 MHz and AG4V in Memphis from 222 MHz through 3.456 GHz. Many of the higher band QSOs had huge signals. Usually, it's a struggle to hear stations on CW and this year they were armchair copy on phone. This was truly exciting for a low power station on a small hill northwest of Chicago. In this area, a 50-foot rise above average terrain is considered a mountain.

Our original goal was to set the division record and have a good time. We were able to break the existing division record and have a good time! Taking the number one multi-op spot was a true shock to our group. Next year, we are planning to add a few more ops and try to expand our capabilities. Spreading out the operating positions and having more operators will be a priority. I'm sure the road to W2SZ's mountaintop will be open by next year and defending the number one spot will be a severe challenge.

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**Table 3 – Regional Leaders**

Northeast Region (New England, Hudson and Atlantic Divisions, Maritime and Quebec Sections)

K2KIB	31,641	A
AF1T	25,632	A
W3PAW	21,900	A
WB2SIH	16,560	A
WA3EOQ	7,638	A
K1TEO	171,360	B
WA2FGK/3 (K2LNS, op)	120,288	B
K3TUF	44,544	B
N2GHR	23,961	B
WZ1V	21,855	B
W3KWH	16,665	M
W1XM	11,058	M
W1JHR	6,552	M
KA2LIM	1,620	M
K1TTT	273	M
WA3PTV	36,666	R
W1AUV	22,017	R
N3LJK (+ K3YWY)	16,680	R
W3HMS	12,528	R
WA2NXK	3,621	R
W3BC (+ WA3UFN)	648	RL

Southeast Region (Delta, Roanoke and Southeastern Divisions)

AA4ZZ	5,390	A
W4SHG	4,785	A
K4FJW	3,657	A
WA4QYK	3,096	A
W8FR/5	2,376	A
W4ZRZ	97,440	B
K4XR	68,850	B
K4QI	25,620	B
KE2N/4	19,170	B
W4WA	17,490	B
AG4V	29,394	M
N4JQQ	6,930	M
K4TRT	990	M
KD4SM	552	M
WF1L	150	M
N8UM/4	23,490	R
AF4OD	13,167	R

Central Region (Central and Great Lakes Divisions, Ontario Section)

K2DRH/9	317,772	A
KC9BQA	96,360	A
W9SZ	28,992	A
WO9S	7,650	A
KF8QL	7,104	A
WW8M	256,434	B
K8TQK	32,292	B
K8MD	30,720	B
WB9SNR	19,599	B
VE3ZV	14,688	B
KI9R	85,860	M
K9CVC	27,531	M
VE3HHT	18	M
N9TTX	30,450	R
WB8BZK	23,421	R
VE3SMA	18,216	R
K9JK/R	15,903	RL

Midwest Region (Dakota, Midwest, Rocky Mountain and West Gulf Sections;  
Manitoba and Saskatchewan Sections)

NØKP	91,350	A
NGØR	24,300	A
KØMHC	22,644	A
WQØP	17,640	A
NØTTW	14,418	A
KMØT	354,708	B
KØAWU	30,621	B
WØLGQ	15,015	B
NØGZ	8,640	B
K5LLL	7,392	B
KBØHH/5	17,493	M
K5QE	13,677	M
AB5GU	2,106	M
WØZQ	212,244	R
W9FZ	137,940	R
NØUK	17,535	R
KØHAC	17,115	R
WBØLJC	6,867	R
KC0P	10,620	RL
N0HZO	5,325	RL
KK6MC	900	RL



West Coast Region (Pacific, Northwestern and Southwestern Divisions;  
Alberta, British Columbia and NWT Sections)

VE7DXG	7,812	A
W6OMF	3,705	A
K1YQP/6	2,688	A
W6YX (KC6SXC, op)	1,656	A
K6LRG (AF6JG, op)	1,368	A
N7EPD	16,524	B
K7ND	12,240	B
K6VCR	8,778	B
KC6ZWT	4,158	B
KI7JA	1,404	B
N6SJV	1,680	M
N6NB	365,721	R
W6TE	57,888	R
KG6TOA	149,136	RL
N6ZE	432	RL
W6YLZ (+ N6MU)	386,022	RU
AF6O	161,262	RU

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**Table 4 – Top 10 by Category**

Single Operator Low Power

Call	Total Mults	Final Score	Bands Worked	Total QSO
K2DRH/9		317772	CD9EFG	194
KC9BQA		96360	CD9EF	110
N0KP		91350	CD9EFGHI	87
K2KIB		31641	CD9EFGHIP	53
W9SZ		28992	CD9EFGHI	64
AF1T		25632	CD9EFGHIJP	48
NG0R		24300	CD9E	60
K0MHC		22644	CD9EFG	51
W3PAW		21900	CD9EF	50
WQ0P		17640	CD9E	60

Single Operator High Power

Call	Total Mults	Final Score	Bands Worked	Total QSO
KM0T		354708	CD9EFGHIJ	177
WW8M		246434	CD9EFGI	158
K1TEO		171360	CD9EFGHI	120
WA2FGK/3 (K2LNS, op)		120288	CD9EFG	112
W4ZRZ		97440	CD9EFGHI	112
K4XR		68850	CD9EFGI	102
K3TUF		44544	CD9EFGHI	64
K8TQK		32292	CDEFG	78
K8MD		30720	CD9EFG	64
K0AWU		30621	CD9EI	59

Multioperator

Call	Total Mults	Final Score	Bands Worked	Total QSO
KI9R		85860	CD9EFGP	90
AG4V		29394	CD9EFG	69
K9CVC		27531	CD9EFI	69
KB0HH/5		17493	CD9EF	49
W3KWH		16665	CD9E	55
K5QE		13677	CD9EFG	47
W1XM		11058	CD9EF	38
N4JQQ		6930	CD9E	33
W1JHR		6552	CD9EFG	28
AB5GU		2106	CDEF	18

Rover

Call	Final Score	Bands Worked	Total QSO	Total Mults
N6NB	365721	CD9EFGHI	383	101
W0ZQ	212244	CD9EFGHI	359	92
W9FZ	137940	CD9EFI	295	95

W6TE	57888	CD9EFGHI	179	36
WA3PTV	36666	CD9EFGHI	133	42
N9TTX	30450	CDE	140	58
N8UM/4	23490	CD9E	106	58
WB8BZK	23421	CDE	177	37
W1AUV	22017	CDEFI	122	41
VE3SMA	18216	CD9EFGHIJP	72	44

#### Limited Rover

Call	Final Score	Bands Worked	Total QSO	Total Mults
KG6TOA	149136	FGHI	239	52
K9JK	15903	CDE	141	31
KC0P	10620	DEI	67	30
N0HZO	5325	DEI	36	25
KK6MC	900	D	25	12
W3BC	648	D	18	12
N6ZE	432	D	18	8

#### Unlimited Rover

Call	Final Score	Bands Worked	Total QSO	Total Mults
W6YLZ	386022	CD9EFGHI	427	101
AF6O	161262	CD9EFGHI	285	62

## ARRL UHF Contest - August 2-3, 2008

### Divisional Scores

Each line score lists call sign, score, and entry category (A = Single Operator Low Power, B = Single Operator High Power, M = Multioperator, R = Rover, RL = Limited Rover, RU = Unlimited Rover),

#### Atlantic

W3PAW	21,900	A
WA3EOQ	7,638	A
N3ALN	690	A
WB3IGR	567	A
KB3JKV	210	A
K1DS/3	210	A
WA2FGK/3 (K2LNS, op)	120,288	B
K3TUF	44,544	B
WB2RVX	10,716	B
N3EMF	9,729	B
N3HBX	5,670	B
W3KWH	16,665	M
KA2LIM	1,620	M

WA3PTV	36,666	R
N3LJK (+ K3YWY)	16,680	R
W3HMS	12,528	R
W3BC (+ WA3UFN)	648	RL

Central

K2DRH/9	317,772	A
KC9BQA	96,360	A
W9SZ	28,992	A
W09S	7,650	A
KØKFC	6,210	A
WB9SNR	19,599	B
KI9R	85,860	M
K9CVC	27,531	M
N9TTX	30,450	R
WB8BZK	23,421	R
K9JK/R	15,903	RL

Dakota

NØKP	91,350	A
NGØR	24,300	A
KØMHC	22,644	A
NØVZJ	3,024	A
KAØPQW	882	A
KØAWU	30,621	B
WØGHZ	4,554	B
WØZQ	212,244	R
NØUK	17,535	R
KØHAC	17,115	R
WBØLJC	6,867	R
KCØIYT	6,300	R
KC0P	10,620	RL
N0HZO	5,325	RL

Delta

WA4QYK	3,096	A
W8FR/5	2,376	A
KG5UD	1,071	A
W4BCU	528	A
K4YRK	390	A
W5RCI	2,223	B
KE5JXC	60	B

AG4V	29,394	M
N4JQQ	6,930	M

N8UM/4	23,490	R
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#### Great Lakes

KF8QL	7,104	A
WZ8T	3,321	A
K8MR	1,008	A
KB8DDZ	780	A
N8XA	510	A

WW8M	256,434	B
K8TQK	32,292	B
K8MD	30,720	B
K2YAZ/8	10,191	B
N8PVT	270	B

#### Hudson

K2KIB	31,641	A
WB2SIH	16,560	A
W2SN	1,428	A
N2CSP	768	A
WV2ZOW	315	A

N2GHR	23,961	B
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WA2NXK	3,621	R
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#### Midwest

WQØP	17,640	A
NØTTW	14,418	A
WØRT	5,460	A
ABØRX	351	A
NØUNL (NØKIS, op)	243	A

KMØT	354,708	B
WØLGQ	15,015	B
NØGZ	8,640	B

W9FZ	137,940	R
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#### New England

AF1T	25,632	A
W1FKF	4,680	A
N1GJ	1,485	A
KU2A/1	810	A
KC1MA	216	A

K1TEO	171,360	B
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WZ1V	21,855	B
K1IIG	17,820	B
K1WHS	15,120	B
W1RZF	5,022	B
W1XM	11,058	M
W1JHR	6,552	M
K1TTT	273	M
W1AUV	22,017	R
Northwestern		
K7HSJ	252	A
KØVIZ/7	36	A
N7EPD	16,524	B
K7ND	12,240	B
KI7JA	1,404	B
KB7ME	828	B
N6ZE	432	RL
Pacific		
W6OMF	3,705	A
K1YQP/6	2,688	A
W6YX (KC6SXC, op)	1,656	A
K6LRG (AF6JG, op)	1,368	A
KE6QR	45	A
KC6ZWT	4,158	B
N6SJV	1,680	M
N6NB	365,721	R
W6TE	57,888	R
KG6TOA	149,136	RL
W6YLZ (+ N6MU)	386,022	RU
AF6O	161,262	RU
Roanoke		
AA4ZZ	15,390	A
W4SHG	4,785	A
K4FJW	3,657	A
K4FTO	315	A
WF1L	150	A
K4QI	25,620	B
KE2N/4	19,170	B
W4DEX	12,528	B
W4WSR	7,881	B
K3AX/4	3,240	B

K4TRT	990	M
KD4SM	552	M

Rocky Mountain

NØYE	1,200	A
KE5HHU	252	A
K5RHR	198	A

KRØVER	3,318	R
KØCS	75	R

KK6MC	900	RL
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Southeastern

N4TUT	2,142	A
N1LF/4	756	A
K4RSV	414	A
W1LVL/4	180	A
KA3NTX	135	A

W4ZRZ	97,440	B
K4XR	68,850	B
W4WA	17,490	B
KØVXM	12,882	B
KI4NPV	6,240	B

AF4OD	13,167	R
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Southwestern

N6TCZ	54	A
AD6AF	36	A

K6VCR	8,778	B
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West Gulf

WB5ZDP	8,613	A
W6ZI/5	2,448	A
N5ZOE	450	A
W5ROK (WA8ZBT, op)	252	A
AA5TB	108	A

K5LLL	7,392	B
KA5BOU	4,620	B
W5LCC (KC5MVZ, op)	1,260	B

KBØHH/5	17,493	M
K5QE	13,677	M
AB5GU	2,106	M

WA5VSK (+ KC9CPK)	90	R
Canada		
VE7DXG	7,812	A
VE3ZV	14,688	B
VE3HHT	18	M
VE3SMA	18,216	R

## ARRL UHF Contest - August 2-3, 2008

### Division Records

Records for the August UHF Contest have been updated through 2008 by K9JK. Records set in 2008 are shown in **bold**.

DIVISION	CALL	SCORE	CLASS	YEAR
ATLANTIC	W3SZ	129,156	A	07
CENTRAL	<b>K2DRH</b>	<b>317,772</b>	<b>A</b>	<b>08</b>
DAKOTA	N0KP	105,252	A	04
DELTA	W4BCU	6,750	A	07
GREAT LAKES	KB8U	95,811	A	06
HUDSON	K2KIB	41,607	A	06
MIDWEST	<b>WQ0P</b>	<b>17,640</b>	<b>A</b>	<b>08</b>
NEW ENGLAND	AF1T	45,864	A	03
NORTHWESTERN	W7YOZ	13,857	A	01
PACIFIC	W6FM	8,772	A	00
ROANOKE	AA4ZZ	22,638	A	07
ROCKY MOUNTAIN	W6OAL	11,322	A	00
SOUTHEASTERN	K0VXM	8,580	A	04
SOUTHWESTERN	K6TSK	15,936	A	04
WEST GULF	WB5ZDP	33,453	A	07
CANADA	VE3SMA	13,923	A	02



ATLANTIC	AA2UK	296,205	B	03
CENTRAL	K3SIW/9	140,616	B	99
DAKOTA	W0GHZ	214,476	B	04
DELTA	W5ZN	160,602	B	01
GREAT LAKES	WA8WZG	350,424	B	99
HUDSON	N2CEI	82,044	B	92
MIDWEST	KM0T	640,248	B	05
NEW ENGLAND	K1TEO	245,802	B	03
NORTHWESTERN	N7EPD	23,754	B	06
PACIFIC	N6NB	39,168	B	03
ROANOKE	K4QI	31,317	B	02
ROCKY MOUNTAIN	K0RZ	11,985	B	93
SOUTHEASTERN	<b>W4ZRZ</b>	<b>97,440</b>	<b>B</b>	<b>08</b>
SOUTHWESTERN	W6TOI (KE6HPZ,op)	27,342	B	03
WEST GULF	W5LUA	101,277	B	99
CANADA	VE3LNX	66,240	B	88
ATLANTIC	K2DH	649,740	M	98
CENTRAL	<b>K19R</b>	<b>85,860</b>	<b>M</b>	<b>08</b>
DAKOTA	N0HJZ	86,136	M	05
DELTA	<b>AG4V</b>	<b>29,394</b>	<b>M</b>	<b>08</b>
GREAT LAKES	NM8X	28,380	M	89
HUDSON	N2CEI	64,050	M	90
MIDWEST	NJ0X	8,844	M	86
NEW ENGLAND	W2SZ	906,153	M	02
NORTHWESTERN	NU7Z	41,382	M	00
PACIFIC	W6TE	6,930	M	03
ROANOKE	W3CCX/8	65,664	M	85
ROCKY MOUNTAIN	W2CRS/5	5,481	M	93
SOUTHEASTERN	W4EUH	1,785	M	01
SOUTHWESTERN	K6TZ	24,921	M	89
WEST GULF	K5QE	161,784	M	07
CANADA	VE3LNX	50,424	M	87
ATLANTIC	W3CCX (K1DS, op.)	86,496	R	06
CENTRAL	K9PW	153,816	R	99

DAKOTA	<b>W0ZQ</b>	<b>212,244</b>	<b>R</b>	<b>08</b>
DELTA	<b>N8UM</b>	<b>23,490</b>	<b>R</b>	<b>08</b>
GREAT LAKES	NE8I	57,627	R	03
HUDSON	WA2IID (+KB2SSS)	29,988	R	02
MIDWEST	W0ZQ	168,504	R	04
NEW ENGLAND	N1MJD	58,788	R	99
NORTHWESTERN	W7GHZ	407,484	R	02
PACIFIC	<b>N6NB</b>	<b>365,721</b>	<b>R</b>	<b>08</b>
ROANOKE	W3IY	131,238	R	04
ROCKY MOUNTAIN	N0IO (+KC0DEF)	12,540	R	02
SOUTHEASTERN	AF4OD	18,816	R	07
SOUTHWESTERN	N6DN	58,296	R	03
WEST GULF	N5QGH	237,072	R	00
CANADA	VE3SMA	66,312	R	98
ATLANTIC	<b>W3BC (+WA3UFN)</b>	<b>648</b>	<b>RL</b>	<b>08</b>
CENTRAL	<b>K9JK</b>	<b>15,903</b>	<b>RL</b>	<b>08</b>
DAKOTA	<b>KC0P</b>	<b>10,620</b>	<b>RL</b>	<b>08</b>
NORTHWESTERN	<b>N6ZE</b>	<b>432</b>	<b>RL</b>	<b>08</b>
PACIFIC	<b>KG6TOA</b>	<b>149,136</b>	<b>RL</b>	<b>08</b>
ROCKY MOUNTAIN	<b>KK6MC</b>	<b>900</b>	<b>RL</b>	<b>08</b>
PACIFIC	<b>W6YLZ (+N6MU)</b>	<b>386,022</b>	<b>RU</b>	<b>08</b>

# ARRL UHF Contest - August 2-3, 2008

## Overall Score Records

(Updated through 2008 by K9JK)

CLASS	CALL	SCORE	YEAR
Single Operator Low Power	<b>K2DRH</b>	<b>317,772</b>	<b>08</b>
Single Operator High Power	KM0T	640,248	05
Multioperator	W2SZ	906,153	02
Rover	W7GHZ	407,484	02
Rover-Limited	<b>KG6TOA</b>	<b>149,136</b>	<b>08</b>
Rover-Unlimited	<b>W6YLZ (+N6MU)</b>	<b>386,022</b>	<b>08</b>