2008 ARRL September VHF QSO Party—September 13-15

By: Jeff Klein, K1TEO

Public Service, Patience and Perseverance

Mother Nature always plays a big role in the outcome of VHF contests. Participants hope for some extended tropo, an E-skip opening, or maybe a nice aurora to make some DX contests. In June many VHFers around the country got their wish as there were excellent E-skip openings, allowing for many record breaking scores. This time around, Mother Nature also had a big human impact as Hurricane Ike came ashore in eastern Texas during the early hours of September 13th, the first day of the September VHF contest. Ike had been one of the largest storms on record, but by the time it reached landfall on the coast of Texas, fortunately it dropped to a Category 2 storm. Even then the storm was a life-threatening event for millions of Americans, especially in Texas and Louisiana. Over the course of the weekend, Ike continued on his path north though the Midwest and then veered northeast toward Northern New England and Canada. leaving behind major flooding and damage from wind and water. Ike was one of the costliest hurricanes in history and the effects are still being felt months after its departure.

Amateur radio operators in Texas and Louisiana helped out with emergency communications work throughout the recovery efforts. Tim, KD5IKG was preparing to rove in the September contest when his plans were interrupted by Ike. He worked throughout the arrival of Ike and afterwards with his Volunteer Fire Department, including switching their repeater to generator power to handle emergency traffic. Tim noted how operating Field Day was great preparation for an actual event. While he scored a "Big zero" in the contest; he scored a million points with the local citizens with his work in the aftermath. We certainly agree that Tim and other 5-land hams who helped out were tops on the most important scorecard for the weekend.

Tim, KD5IKG, shows some of the "pileups" that Hurricane Ike generated in the town of Seabrook, Texas. (Photo, Tim KD5IKG)

With Ike dominating activity, the contest was a distant thought for many in the Gulf Coast region and a difficult affair for many in the Central and Eastern parts of the country. As KØMHC noted, patience was the theme of the contest. Poor conditions caused by the rainy and windy weather required perseverance for success. Many noted lower activity this year, no doubt caused by the dramatic weather events.

On top of the weather, rovers saw the highest gas prices on record raise the cost of heading out to have their fun. Surprisingly, the number of rovers out this time was only slightly lower than in 2007, perhaps

favorably affected by the expansion from a single Rover category to three. “Thank goodness for the rovers,” was a common refrain for many. Congratulations and a collective thank you to all the rovers! **Table 1** shows the highest total grids activated by rovers

Table 1 – Top Grids Activated

Call	Number of Grids Activated
K3UHF/R	13
N2LBT/R	11
W1RT/R	10
K4GUN/R	10
KK6MC/R	10
WA0VPJ/R	9
N5AC/R	9
W9FZ/R	8
KB1EKZ/R	8

Log submissions were down to 482. The last few years had seen submissions in the 500-600 range. Hopefully we can return to a more normal operating environment next year and get back into that level. There were no Division Records set this year although a handful of section records were achieved. Congratulations to all who participated!

Even with the sub-par conditions and activity, some terrific results were still achieved during the contest. One of the contest goals is to work as many grids as possible. When conditions are not generally enhanced, experienced VHF contesters use all the tricks of the trade to find multipliers. One requirement is to “stay in the chair”. You never know when there will be some kind of brief propagation enhancement. For example, on Sunday morning Doug K4LY in South Carolina found K2SMN in New Jersey to be S9 on both 144 and 432 MHz on what was otherwise a dead band.

Table 2 – Top Totals of Grids Worked

50 MHz	Grids	144 MHz	Grids	432 MHz	Grids
K1WHS	82	K8GP	73	W3SO	52
K9NS	67	W3SO	69	K8GP	49
K8GP	65	W2SZ	68	K1WHS	46
W4IY	64	K9NS	68	W2SZ	44
		K1WHS	66	K3YTL	41
		K2DRH	62	K1TEO	41

Tracking rover stations heading to rare grid squares is another requirement for high grid totals. In recent years, digital modes such as WSJT have become increasingly important to working otherwise unworkable DX. K1WHS had the top total of 82 grids on 50 MHz, utilizing WSJT very effectively, including some EME QSOs as they pulled out all of the stops. Top grid totals are found at the leading Multioperator stations as they combine top-notch locations and setups, ability to stay on the bands all the time, and effective operating techniques. Given the conditions, the totals in **Table 2** are impressive.

The bottom line is that there are still a great deal of stations to work and many multipliers to be found, even under adverse conditions.

Results

Single Operator

Ed, K1TR turned the tables from 2007, coming out ahead of Bob, K2DRH for top honors in the Single-Operator Low-Power category. Ed operated on ten bands from his portable setup atop one of New England's better locations, Mt Wachusetts in MA. Meanwhile, Bob operated from his QTH in EN41 with its excellent setup of large antenna arrays for most of the bands through 3456 MHz. Both were affected by poor weather over the weekend, with Bob noting that endless rain seemed to suppress propagation and, more importantly, seemed to depress activity. Ed experienced the early impact of Hurricane Ike on New England during Sunday evening with high winds on the mountain after lots of rain Saturday night into Sunday morning. Even with the conditions and activity Bob still managed to work 231 total grids including an impressive 55 grids on 6 and 62 on 2 meters! He finished nearly 60 grids ahead of K1TR, but Ed's considerably higher QSO total made the difference. Congratulations to both on a Fine Business competition! Other top scorers in the category included WB1GQR from VT in third and Dale AF1T in NH in fourth. K2KIB braved the elements from a portable location in New Jersey for fifth followed by Doug, K4LY in SC. Doug climbed his tower numerous times in the days before the contest and it paid off with his nearly 40k points. He even managed to find a little enhanced propagation on Sunday morning, working all the way to NJ on both 144 and 432 MHz.

K1TEO led the Single-Op High-Power competition. Jeff's score was down a little from his win in 2007 at 479k. Rovers made the difference in his score as there were quite a few out and about in the Northeast, allowing Jeff to add many unique grids, especially on the microwave bands. Almost 100 of his multipliers came from bands at 903 MHz and up. Moving up to second this year was Phil, K3TUF who increased his score significantly over 2007. A major new project to raise his microwave antennas above the trees really paid off. Likewise fellow PA contester WA2FGK has been working to improve his station and replicated his 2007 third-place showing. Longtime top scorer K1RZ continued his contesting success placing fourth, followed by two members of the Mt Airy VHF Society, WB2RVX and W2SJ. North Carolina's big gun, K4QI, did his usual great job to score 82k for a seventh-place finish.

Despite some of the challenges posed by the weather, the QRP Portable category had fifteen entries. Repeating in the top spot was Chris, KA1LMR from his hilltop in New Hampshire. He managed a significant increase in his score over 2007, finishing with a little over 77k. Employing eight bands, he was able to finish far ahead of the competition in the category. Second place went to Southern California station K6VCR with just under 10k. The use of ten bands was the key to success as 'VCR finished just ahead of Pennsylvania portable WS2E/3 who was using four bands. N2YTF enjoyed the view from his perch on the Palisades just north of New York City to take fourth while VE7IHL was in fifth also taking top Canadian honors. 'LMR, 'IHL and WB2AMU were the repeat top ten finishers from 2007 for QRP portable.

Multioperator

Last year's Multioperator leader, K8GP, moved over to the Limited Multiop category and again took the top position. The group usually operates from Spruce Knob in WV, but this time stayed closer to home in FM19, northern VA. It paid dividends as they took the category by over 100k. Their grid totals were quite good, especially their contest-leading 73 grids on 144 MHz. However, it was their large QSO totals that made the real difference, including a contest high of 512 contacts on 144 MHz. Last year's first, second and third place finishers, W3SO, W4IY and AA4ZZ stayed in the same order as last year to take home second through fourth. The W3SO crew noted that conditions were poor this year, especially on 50 MHz. They worked more grids on 144 and 432 MHz than 50 MHz . K9NS used their well-equipped station to place fifth from the Midwest. Next in line were KA2LIM and W4NH.

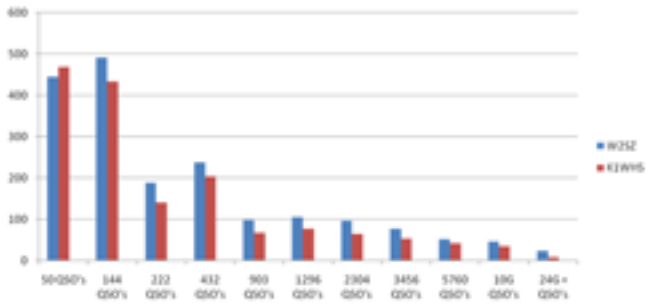

Figure 1 - W2SZ vs K1WHS - QSO's by Band

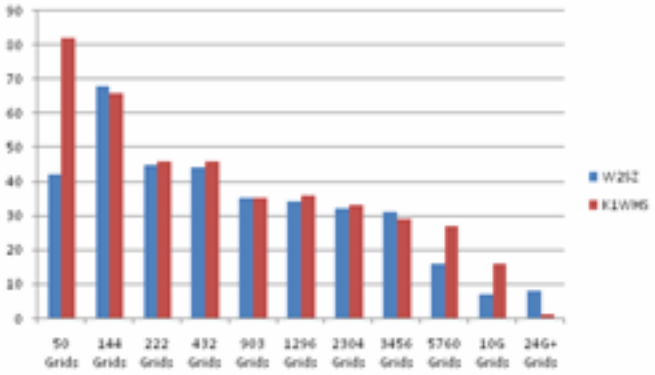

Figure 2 - W2SZ vs. K1WHS - Grid Totals by Band

The Multioperator category often sees some tough competition and this year was no exception. It was a battle for New England with W2SZ on their traditional perch atop Mount Greylock locking horns with Maine station K1WHS. Great ops and setups led to terrific results despite the poor conditions as both groups broke one million points! As Dave, K1WHS noted, “Lots of metal up high really makes a difference when the conditions are poor.” Checking out the band-by-band results in **Figures 1** and **2** shows that W2SZ had the lead in QSOs on all bands, except for 50 MHz. However, K1WHS was able to do quite well on grid total almost making up for the lower QSO counts. K1WHS had large leads on 50 MHz, 5.7 and 10 GHz and W2SZ had better results on 24 GHz and above. In the end, W2SZ came out on top despite K1WHS's phenomenal 417 grids—not bad for a wet weekend and poor conditions! Great coverage of unique grids from rovers and efficient usage of WSJT for scatter schedules made it possible. All in all, it was a great battle between the two teams.

N3NGE’s team was third in the category, followed by fellow PA multi-op K3YTL. Both moved up a bit in the standings from their 2007 results. Next were N2NK, W2EA, K3EOD and WA3UGP. The midsection of the country was represented in the standings by KBØHH and K9CVC. Lots of metal in the air was also the theme at KBØHH--check out their impressive setup!

Rovers

This event marked the first year for the new Rover categories in the September contest. In the traditional Rover category, the team of John, W1RT and Christophe, ON4IY came out on top with over 130k. They tried a new route this time, starting in Virginia and heading back toward John’s home QTH in Connecticut throughout the weekend. Ten grids and almost 500 QSOs later they were the champs. The next three places were very tight competition, as only 2500 points separated second through fourth places. VE3OIL with partner VE3NPB came out on top, with K1DS and VE3SMA right behind. VE3OIL improved their score from 2007 and moved up from last year’s sixth place finish. W1AUV took fifth while adding about 10% to his score. K3UHF had the top West Coast score making 40k from the Pacific Northwest. Right behind with scores all in the 30k range were NN3Q, KB1EKZ, and KE3HT. The top Midwest Rover was W9FZ who

rounded out the Top Ten. With gas prices near all-time highs and the rough weather across much of the country, the rovers deserve extra thanks.

The new Limited Rover category saw some great competition for the top spots. Steve, K4GUN and partner K4LIG hit ten grids while WAØVPJ with his second op, AIØZ, made it to nine. When the dust settled, K4GUN was on top, 21k to 20k. Steve improved the antenna setup by adding the ability to "crank the antlers up" to 24 feet at each stop. It looks like that little extra effort paid off with the tight competition. AL1VE, roving in the Pacific Northwest, was right behind with 18k. Also from the West Coast were the next several finishers with K6EU, N7EPD, and N6ORB in fourth through sixth place. New Mexico Rover KK6MC was next in seventh position. In all, there were 20 entrants in the Limited Rover category, so it looks like there was a good deal of interest. The third rover category is Unlimited Rover which saw three entries. Joe, WA3PTV took first with a score over 50k while K6MI assisted by W6TE was second with 10k.

Regional Results

Northeast Region

Leading both the overall and regional results for Single Op Low-Power was Ed, K1TR, operating portable on Mt Wachusett in MA. Despite difficult weather conditions and some equipment problems, he managed a significant increase in his score over 2007. WB1GQR on his perch atop Mt Equinox in VT was second in the region, followed by home station AF1T. Another portable station, K2KIB, was fourth in the Northeast followed by newcomer W3PAW. The High-Power category was won by overall category leader K1TEO. While conditions in the Northeast were poor all weekend, the regional top places mirrored the national results as K3TUF, WA2FGK, K1RZ and WB2RVX were second through fifth at both levels. When conditions in most areas are poor as was the case this year, the Northeast tends to benefit from higher local activity levels. Similar results were found in the Multioperator category as W2SZ, K1WHS, N3NGE, K3YTL and N2NK also were first through fifth, both regionally and overall. Chris, KA1LMR was the leader by a wide margin in the QRP category with WS2E, N2YTF and WB2AMU as regional top guns. W3SO continued their run of excellent Limited Multioperator efforts with a top regional result, followed by KA2LIM from WNY and W1QK in CT. One reason for the high scores in this region were the great rover results led by John and Christophe roving as W1RT and leading the overall and regional results for the Rover category. Other outstanding efforts in the Northeast came from K1DS, W1AUV, NN3Q and KB1EKZ, all of whom were in the overall Top Ten. Joe, WA3PTV had the Unlimited category for himself in the Northeast and posted the top score in the entire contest for the category. Great rover scores lead to great scores for non-rovers too!

Southeast Region

The logger for Steve K4GUN, winner in the Limited Rover category, was his fiancee, June K4LIG. (Photo, K4GUN)

The Southeast saw some tight competition in the Single-Op Low-Power category. Doug, K4LY, made many trips up the tower to improve his antenna setup and it paid off with the top regional position. N4QWZ and W4SHG were close behind with fine scores. Russ, K4QI continued his contesting success with another

overall Top Ten result and the lead position in the High-Power category for the Southeast. KE2N and W4ZRZ were close behind in second and third, with W3IP and W4DEX rounding out the top five. K8GP stayed closer to home this time after many trips to Spruce Knob and got great results in the Limited Multioperator category, posting the top score overall and for the Southeast. The team from W4IY continued their excellent results, finishing second in the category followed by AA4ZZ. The W4NH group dropped down from the Multioperator category and found success with the fourth highest regional score. The AG4V team had the top Multioperator score this time in the Southeast. W4RXR led the regional QRP results while N1GC had the top Rover score. K4GUN led all scorers in the new Limited Rover category overall and in the Southeast. Steve's enthusiasm, coupled with adding new bands and gaining experience, have brought him to the top of the list very quickly--well done!

Central Region

Bob, K2DRH continued his run of great scores from the Midwest despite the heavy rain and below normal activity levels. His 158k total paced the Single-Operator Low-Power submissions from the Midwest. K8MR placed second, with close competition in the category from VA3KA in eastern Ontario. KC9BQA in Wisconsin placed fourth with another station from Ontario, VE3KZ , right behind. Despite not having a working 6 meter station, Bob K8TQK had a fine Single-Op High-Power score to lead the region in that category, and once again make the overall Top Ten list. There was a very tight competition for the next few spots as K9EA, K8EB, VE3ZV and K8MD were within 6k of one another. W9SZ braved the heavy rains to take the top QRP portable spot in the Central Region. The K9NS group put in another fine showing, leading the Limited Multioperator entries followed by N8ZM and N9TF. Multioperator was lead by K9CVC, with the crew from KB8O close behind. The central competition in the Rover category was between two VE3s, with VE3OIL just nosing out VE3SMA, 75k to 73k. W9FZ did his usual fine job to take third. K9JK entered the Limited Rover category, and though he shortened up his rove, took top honors for Limited Rover.

Midwest Region

Some of the Bunkhouse antennas at Gary, KBØHH's QTH in EM06. (Photo KBØHH)

Tight competition highlighted the Single-Op Low-Power competition in the Midwest. NØKP and WB5ZDP were separated by only about 2k points with both making the overall Top Ten list. KØMHC was right behind WB5ZDP for third in the region. Despite the impact of Ike on conditions and activity, K5LLL hung in there to achieve the top Midwest score for the High-Power category. Minnesotans WØZQ and KØAWU were next, with W3XO from Texas in fourth. Top score in the QRP portable category was from NØKIS. The Multioperator category also had a close finish with the KBØHH crew using their excellent setup to take the top spot while also making it to #9 in the overall results. This despite 11 inches of rain on Thursday and Friday at their QTH! The WØEEA ops were right behind with 33k points--a fine effort from

Colorado. The close Midwest competition continued in the Rover category as KCØIYT's effort beat out the close second place results for N5AWDØACD also had a good score for third in the region. WAØVPJ had the top Midwest Rover score in topping the Limited Rover category with 20k points. KRØVER (gotta love that call!) tried the Unlimited Rover category this time and took top honors in the Midwest.

West Coast Region
K1YQP had the high score for the Single-Operator Low-Power class on the West Coast with 15k points. W6XN was close behind followed by W6OMF and K6TSK. KC6ZWT had a wide lead for first in the Single-Op High-Power category. K7ND and KC6SEH were separated by only 300 points for second and third place! With relatively better weather than the rest of the country, the West Coast saw some excellent QRP Portable scores with K6VCR leading the way and placing second overall. N7XB, VE7IHL and WA7NCL followed, all making the overall Top Ten as well. The VA7ISL group had a wide lead in the Limited Multioperator category in the West, with AD6IJ in second. The Stanford University Club, W6YX led the Multioperator scoring from the region. K3UHF operated from 13 grids in Oregon and Washington for his top Rover score in the region and number six overall. Perhaps having his harmonic along as his partner was the key to success! AL1VE led the Limited Rovers as Tim had over 18k points for third overall. Next in line were K6EU, N7EPD, N6ORB and KB6OLL who all landed on the national Top Ten list for their efforts. K6MI was the top Unlimited Rover as his 10k was also good enough for second overall in the category.

Club Competition

Beyond the individual station and team competitions in each of the various categories, the September VHF QSO Party also includes a Club Competition. About a third of the entrants included the name of an ARRL- or RAC-affiliated club so their scores could be counted toward this aspect of the contest. 2008 saw a total of five entries in the Local Club category and eighteen in the Medium Club category. In the Local competition, the Murgas ARC from PA repeated as the winners with over 600k points. Despite the challenging band conditions this time they were just under their club score from last year! After a tight competition in 2007 the Murgas group held a significant advantage over the other clubs in the category. Finishing second were the Raritan Bay Radio Amateurs, while the Meridan ARC took third.
The Medium Club category has seen a back-and-forth battle between the North East Weak Signal Group and the Potomac Valley Radio Club (PVRC) for the last several years. After finishing second in 2007, the North East Weak Signal Group was able to take the top spot this time with an overall score of over two million points. Slipping into second this time were the Pack Rats from the Mt Airy VHF club. The perennial club champs of the January VHF contest upped their entries from 11 last year to 20,scoring over a million points. The PVRC gang had the most entrants this time around with 23, but slipped to third place. Most of the difference was the K8GP group's switch to the Limited Multioperator category from Unlimited in 2007. Three great clubs in competition is very good for VHF+ contesting.
A couple of other well known HF and VHF+ contest groups continued their strong showings in the September contest as the Yankee Clipper Contest Club finished fourth this time and the Society of Midwest Contesters finished sixth. In between in fifth place was the Contest Club of Ontario with another great job in the September contest. Other significant efforts came from two upper Midwest clubs, the Badger Contesters and the Northern Lights Radio Society who mustered 10 and 14 entrants in the club effort. The Pacific Northwest VHF Society continued to submit a top score from the West Coast upping their number of member entries to 16 this year.

In Summary
Sometimes things do not go the way you would like in life or in contesting. This year millions of Americans were dealt a difficult set of circumstances during the second week of September as Hurricane Ike struck the Gulf Coast. Contesting took a bit of a back seat as the focus was on emergency response to Ike's impact. While the contest continued for some, the main champs were those ham radio volunteers who gave selflessly to assist during this difficult time. We congratulate them and thank them for their efforts.

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Top Ten By Category

Single Operator, Low Power	
K1TR	208,980
K2DRH	158,466
WB1GQR (W1SJ, op)	121,148
AF1T	73,034
K2KIB	46,904
K4LY	39,564
NØKP	33,215
W3PAW	32,500
N4QWZ	32,482
WB5ZDP	30,976
Single Operator, High Power	
K1TEO	479,043
K3TUF	255,112
WA2FGK/3 (KØTV, op)	215,208
K1RZ	172,040
WB2RVX	114,912
W2SJ	86,817

K4QI	82,335
K8TQK	75,198
KE2N	69,115
K9EA	54,670
QRP Portable	
KA1LMR	77,510
K6VCR	10,994
WS2E	7,074
N7XB	2,254
N2YTF	1,885
VE7IHL	1,632
W4RXR	1,196
WB2AMU	756
WA7NCL	598
N1PRW	338
Limited Multioperator	
K8GP	362,670
W3SO	255,496
W4IY	220,985
AA4ZZ	152,413
K9NS	131,712

KA2LIM	92,224
W4NH	76,986
N8ZM	64,525
W1QK	40,905
VA7ISL	28,736
Multioperator	
W2SZ	1,285,462
K1WHS	1,172,187
N3NGE	435,919
K3YTL	335,986
N2NK	226,752
W2EA/3	108,054
K3EOD/2	99,325
WA3UGP	50,985
KBØHH/5	37,524
K9CVC	36,112
Rover	
W1RT/R (+ ON4IY)	130,810
VE3OIL/R (+ VE3NPB)	75,692
K1DS	73,728
VE3SMA/R	73,014

W1AUV/R	59,126
K3UHF/R	40,608
NN3Q (+ K3WGR)	39,168
KB1EKZ/R (+ KB1ITX)	36,570
KE3HT/R	33,525
W9FZ	26,025
Limited Rover	
K4GUN/R (+ K4LIG)	21,980
WAØVPJ/R (+ AIØZ)	20,075
AL1VE/R	18,031
K6EU/R	10,250
N2SLN/R	8,580
N7EPD/R	7,955
N6ORB/R	4,530
KK6MC/R	2,772
KB6OLL/R (+ KC6UDS)	2,180
K9JK/R	1,760
Unlimited Rover	
WA3PTV	50,373
K6MI/R (+ W6TE)	10,988
KRØVER/R (+ ACØGI)	5,562

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Club Competition

CLUB_CLASS	CLUB_NAME	# Of Logs	Score
Medium Club			
	North East Weak Signal Group	20	2,061,075
	Mt Airy VHF Radio Club	20	1,165,126
	Potomac Valley Radio Club	23	890,521
	Yankee Clipper Contest Club	13	321,205
	Contest Club Ontario	10	238,380
	Society of Midwest Contesters	20	214,339
	Carolina DX Assn	4	199,382
	Badger Contesters	10	172,442
	Northern Lights Radio Society	14	167,946
	Mt Frank Contesters	3	133,562
	Pacific Northwest VHF Society	16	96,505
	North Texas Microwave Society	3	45,479
	Roadrunners Microwave Group	3	39,307
	Grand Mesa Contesters of Colorado	3	36,255
	Northern California Contest Club	5	26,578
	Florida Contest Group	3	19,836

	Bergen ARA	3	14,987
	Florida Weak Signal Society	3	8,690
Local Club			
	Murgas ARC	4	606,456
	Raritan Bay Radio Amateurs	4	12,824
	Meriden ARC	3	4,898
	Burlington County Radio Club	3	3,190
	Portage County Amateur Radio Service	3	2,089

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Division Leaders By Category

Single Operator Low Power				
Atlantic	W3PAW	32,500	A	2008
Central	K2DRH	158,466	A	2008
Dakota	NØKP	33,215	A	2008
Delta	N4QWZ	32,482	A	2008
Great Lakes	K8MR	25,792	A	2008
Hudson	K2KIB	46,904	A	2008
Midwest	NØLL	5,406	A	2008

New England	K1TR	208,980	A	2008
Northwestern	KG7P	4,264	A	2008
Pacific	K1YQP	15,560	A	2008
Roanoke	K4LY	39,564	A	2008
Rocky Mountain	NØPOH	2,967	A	2008
Southeastern	K4EQH	13,300	A	2008
Southwestern	K6TSK	7,611	A	2008
West Gulf	WB5ZDP	30,976	A	2008
Canada	VA3KA	19,264	A	2008
Single Operator High Power				
Atlantic	K3TUF	255,112	B	2008
Central	K9EA	54,670	B	2008
Dakota	WØZQ	21,912	B	2008
Delta	W5MRB	6,785	B	2008
Great Lakes	K8TQK	75,198	B	2008
Hudson	W2KV	3,654	B	2008
Midwest	KCØTPP	864	B	2008
New England	K1TEO	479,043	B	2008
Northwestern	K7ND	6,120	B	2008
Pacific	KC6ZWT	23,256	B	2008
Roanoke	K4QI	82,335	B	2008
Rocky Mountain	W6OAL	5,478	B	2008

Southeastern	W4ZRZ	53,317	B	2008
Southwestern	N6VMO	1,452	B	2008
West Gulf	K5LLL	23,306	B	2008
Canada	VE3ZV	49,343	B	2008
Limited Multioperator				
Atlantic	W3SO	255,496	L	2008
Central	K9NS	131,712	L	2008
Great Lakes	N8ZM	64,525	L	2008
Hudson	K2OAK	6,342	L	2008
Midwest	NØLD	2,312	L	2008
New England	W1QK	40,905	L	2008
Northwestern	WE7X	2,475	L	2008
Pacific	WA6ZTY	3,050	L	2008
Roanoke	K8GP	362,670	L	2008
Southwestern	AD6IJ	7,755	L	2008
Canada	VA7ISL	28,736	L	2008
Multioperator				
Atlantic	N3NGE	435,919	M	2008
Central	K9CVC	36,112	M	2008
Dakota	WØVB	5,876	M	2008
Delta	AG4V	14,256	M	2008

Great Lakes	KB8O	23,104	M	2008
Hudson	N2NK	226,752	M	2008
New England	W2SZ	1,285,462	M	2008
Pacific	W6YX	10,360	M	2008
Roanoke	W4YCC	3,360	M	2008
Rocky Mountain	WØEEA	33,264	M	2008
West Gulf	KBØHH	37,524	M	2008
Single Operator QRP Portable				
Atlantic	WS2E	7,074	Q	2008
Central	W9SZ	322	Q	2008
Delta	W4RXR	1,196	Q	2008
Hudson	N2YTF	1,885	Q	2008
Midwest	NØKIS	247	Q	2008
New England	KA1LMR	77,510	Q	2008
Northwestern	N7XB	2,254	Q	2008
Rocky Mountain	N7QF	112	Q	2008
Southwestern	K6VCR	10,994	Q	2008
Canada	VE7IHL	1,632	Q	2008
Rover				
Atlantic	K1DS	73,728	R	2008
Central	N9IFG	24	R	2008

Dakota	KCØIYT/R	17,056	R	2008
Great Lakes	W9FZ	26,025	R	2008
Hudson	WA2IID/R	19,695	R	2008
New England	W1RT/R	130,810	R	2008
Northwestern	K3UHF/R	40,608	R	2008
Roanoke	N1GC	255	R	2008
Rocky Mountain	W3DHJ/R, 675, R, 2008	2,948	R	2008
Southwestern	K6LMN	1,752	R	2008
West Gulf	N5AC	13,420	R	2008
Canada	VE3OIL/R	75,692	R	2008
Limited Rover				
Atlantic	N2SLN/R	8,580	RL	2008
Central	K9JK/R	1,760	RL	2008
Dakota	WAØVPJ/R	20,075	RL	2008
Great Lakes				
Hudson				
New England				
Northwestern	AL1VE/R	18,031	RL	2008
Roanoke	K4GUN/R	21,980	RL	2008
Rocky Mountain	KK6MC/R	2,772	RL	2008
Southwestern				
West Gulf				

Canada				
Unlimited Rover				
Atlantic	WA3PTV	50,373	RU	2008
Rocky Mountain	KRØVER/R	5,562	RU	2008
Southwestern	K6MI/R	10,988	RU	2008

2008 ARRL September VHF QSO Party—September 13-15

QSO Leaders By Band

Single Operator Low Power	
50 MHz	
WB1GQR (W1SJ, op)	254
K1TR	239
AC2AA	125
K2DRH	125
K1IM	108
AF1T	105
W3MEL	96
K3TC	89

W1TR	87
N3II	83
K6XN	81
VE3KZ	79
N3ALN	74
NZ3M	74
KB1JDY	73
144 MHz	
WB1GQR (W1SJ, op)	245
K1TR	226
WB2CUT	157
K2DRH	156
K3TC	128
AF1T	126
K1KG	108
K2KIB	107
K4LY	84
WA2VNV	83
W1TR	83
N4QWZ	75
K6XN	75
K1IM	74

K5MA	72
222 MHz	
WB1GQR (W1SJ, op)	76
K1TR	74
AF1T	50
K2DRH	47
K1KG	43
K1YQP	37
WA2VNV	35
K5MA	33
K2KIB	32
N3ALN	32
K6XN	29
N4QWZ	29
W3PAW	26
K4LY	26
K8MR	26
432 MHz	
K1TR	115
WB1GQR (W1SJ, op)	94
K2DRH	81

AF1T	65
K1KG	52
K1YQP	47
K4LY	47
WB5ZDP	42
WA2VNV	41
N4QWZ	41
K2KIB	41
N3ALN	39
W3PAW	39
K5MA	39
K8MR	37
902 MHz	
K1TR	34
WB5ZDP	18
AF1T	15
K2DRH	12
K1YQP	11
K2KIB	11
WA3QPX	9
KØMHC	9
WA2VNV	8

W4SHG	8
NØKP	7
W3PAW	7
K4FJW	6
WA4QYK	5
NGØR	5
K1IM	5
1296 MHz	
K1TR	42
WB1GQR (W1SJ, op)	30
K2DRH	23
K1YQP	19
AF1T	17
K2KIB	15
WB5ZDP	15
W3PAW	13
K6TSK	13
W1FKF	12
WA3QPX	12
AC1J	12
W3HMS	12
NØKP	11

KØMHC	11
WA2VNV	11
N4TUT	11
Single Operator High Power	
50 MHz	
K1TEO	177
WA2FGK (KØTV, op)	171
K3TUF	147
KE2N	131
WB2RVX	122
K3ZO	116
K1IIG	94
K1RZ	91
W3IP	91
KA1ZE	89
W1RZF	86
K2HZN	84
K4QI	74
K7CW	74
W1OUN	68
K8MD	68

144 MHz	
K1TEO	306
KA1ZE	181
K3TUF	168
WA2FGK (KØTV, op)	161
WB2RVX	154
K1RZ	149
KE2N	147
K4QI	131
W1RZF	112
K8TQK	107
W3IP	99
W3TWX	96
K1IIG	93
W2SJ	90
K9EA	90
222 MHz	
K1TEO	109
K3TUF	77
WA2FGK (KØTV, op)	74
K1RZ	63
WB2RVX	60

K8TQK	54
W1RZF	49
K4QI	44
KC6ZWT	41
W9GA	37
VE3ZV	34
K1IIG	34
K8EB	33
K8MD	33
K9EA	33
432 MHz	
K1TEO	136
WA2FGK (KØTV, op)	111
K3TUF	93
WB2RVX	92
KA1ZE	88
K1RZ	78
K4QI	67
K8TQK	61
W1RZF	60
KE2N	55
K9EA	54

W4ZRZ	52
K1IIG	51
KC6ZWT	51
W3IP	50
902 MHz	
K1TEO	59
K3TUF	39
K1RZ	37
WA2FGK (KØTV, op)	36
W2SJ	26
KC6ZWT	20
WB2RVX	20
VE3ZV	19
KE2N	14
WA3DRC	13
K1IIG	13
K2YAZ/8	11
K8EB	10
K9EA	10
K8TQK	10
1296 MHz	

K1TEO	65
K3TUF	44
WA2FGK (KØTV, op)	44
K1RZ	41
W2SJ	32
K1IIG	25
K4QI	24
K8TQK	22
KE2N	21
W3IP	20
WB2RVX	20
W4ZRZ	18
WA3DRC	14
W4DEX	13
K9EA	11
K2YAZ/8	11
K8MD	11
Multioperator	
50 MHz	
K1WHS	469
W2SZ/1	444
K8GP/4 -L	386

K3YTL	385
W4IY -L	382
N3NGE	342
N2NK	308
KA2LIM -L	279
W3SO -L	271
AA4ZZ -L	255
W2EA/3	254
W4NH -L	218
K9NS -L	202
W1QK -L	187
K3EOD/2	122
144 MHz	
K8GP/4 -L	512
W2SZ/1	491
K1WHS	433
K3YTL	422
W4IY -L	361
W3SO -L	347
N3NGE	297
N2NK	239
AA4ZZ -L	234

K9NS -L	224
W1QK -L	200
W2EA/3	196
KA2LIM -L	195
N8ZM -L	146
W4NH -L	138
222 MHz	
W2SZ/1	188
K1WHS	140
K8GP/4 -L	132
K3YTL	123
W3SO -L	116
N3NGE	111
N2NK	83
W4IY -L	66
AA4ZZ -L	64
W2EA/3	57
K3EOD/2	55
K9NS -L	53
KA2LIM -L	52
WA3UGP	47
VA7ISL -L	46

432 MHz	
W2SZ/1	237
K8GP/4 -L	204
K1WHS	204
K3YTL	181
W3SO -L	161
N3NGE	153
W4IY -L	135
AA4ZZ -L	132
N2NK	88
VA7ISL -L	72
K9NS -L	70
KA2LIM -L	63
W4NH -L	61
N8ZM -L	59
K3EOD/2	58
902 MHz	
W2SZ/1	98
K1WHS	67
N3NGE	41
N2NK	28

K3EOD/2	28
K3YTL	24
W2EA/3	14
WA3UGP	13
WØEEA	13
KBØHH/5	9
K5QE	7
AG4V	5
N2GCZ	4
W3KWH	3
1296 MHz	
W2SZ/1	104
K1WHS	76
K3YTL	48
N3NGE	47
N2NK	32
K3EOD/2	26
W2EA/3	21
WØEEA	16
AD6IJ -L	11
WA3UGP	10
W3KWH	9

KBØHH/5	9
K9CVC	8
W6YX	8
AG4V	7
Single Operator Portable	
50 MHz	
KA1LMR	115
VE7IHL	42
WS2E/3	41
N2YTF	40
N7XB	37
WA7NCL	21
W4RXR	12
K6VCR	12
WB2AMU	8
N7QF	4
144 MHz	
KA1LMR	123
WS2E/3	39
N7XB	39
VE7IHL	30

N1PRW	26
WA7NCL	25
W9SZ	23
K6VCR	21
WB2AMU	20
NØKIS	19
W3MEO	15
N2YTF	15
W4RXR	12
N7QF	4
KØNR	2
222 MHz	
KA1LMR	54
K6VCR	9
N2YTF	2
WB2AMU	2
VE7IHL	2
N7XB	1
432 MHz	
KA1LMR	74
K6VCR	18

WS2E/3	15
W4RXR	11
VE7IHL	10
N7XB	10
N7QF	3
N2YTF	3
KØNR	2
WB2AMU	2
902 MHz	
KA1LMR	18
K6VCR	7
1296 MHz	
KA1LMR	18
K6VCR	9
WS2E/3	7

"-L" denotes Limited Multioperator

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Multiplier Leaders By Band

Single Operator Low Power	
50 MHz	
K2DRH	55
K4LY	36
K1TR	35
VE3KZ	32
WB1GQR (W1SJ, op)	30
N3II	28
K4EQH	27
K8WFN	26
W3PAW	26
NZ3M	25
AC2AA	24
K8MR	24
N4QWZ	23
AF1T	23
WA3QPX	22
144 MHz	
K2DRH	62

K4LY	39
N4QWZ	36
K1TR	33
WB1GQR (W1SJ, op)	32
K8MR	31
K8WFN	30
N9LR	29
VE3KZ	29
W6ZI	29
K4EQH	28
K2TTI	26
NZ3M	25
CG3LPL	25
W2RJO	25
222 MHz	
K2DRH	35
K1TR	25
WB1GQR (W1SJ, op)	22
K8MR	22
AF1T	20
K1KG	20
K4LY	19

N4QWZ	18
VA3KA	16
K5MA	16
W3PAW	16
KC9BQA	15
W6ZI	15
N9LR	15
K2KIB	15
WA3QPX	15
432 MHz	
K2DRH	39
K4LY	27
K1TR	27
K8MR	24
N4QWZ	23
WB1GQR (W1SJ, op)	22
K4EQH	21
KØMHC	20
K1KG	19
AF1T	18
WB5ZDP	18
WA2VNV	17

W3PAW	17
W2RJO	16
K5MA	16
K2KIB	16
NZ3M	16
VA3KA	16
902 MHz	
K1TR	15
WB5ZDP	12
K2DRH	12
KØMHC	8
K2KIB	7
WA2VNV	6
W3PAW	6
WA3QPX	6
W4SHG	5
K1IM	5
NØKP	5
KC9BQA	5
AF1T	5
VA3KA	4
VE3BFM	4

1296 MHz	
K2DRH	18
K1TR	15
WB1GQR (W1SJ, op)	10
K2KIB	10
N4QWZ	9
WB5ZDP	9
KØMHC	9
NØKP	8
N4TUT	8
W3PAW	7
WA2VNV	7
W3HMS	7
KC9BQA	7
WA3QPX	7
WB3IGR	7
Single Operator High Power	
50 MHz	
K1TEO	46
K3TUF	40
KA1ZE	38

WA2FGK (KØTV, op)	37
K4QI	36
K8MD	33
WB2RVX	31
W9GA	29
K9EA	28
K8EB	28
KE2N	27
K9CT	25
K3ISH	24
W4ZRZ	23
K1RZ	23
W3IP	23
144 MHz	
K8TQK	54
K1TEO	54
K4QI	50
KA1ZE	45
K3TUF	42
W9GA	41
WB2RVX	41
WA2FGK (KØTV, op)	40

K9EA	40
K8EB	37
VE3ZV	37
W4ZRZ	31
K8MD	30
K9CT	30
K1RZ	29
KE2N	29
222 MHz	
K1TEO	40
K8TQK	37
K3TUF	35
WA2FGK (KØTV, op)	30
K4QI	28
W9GA	26
WB2RVX	25
K1RZ	25
K9EA	24
VE3ZV	23
W1RZF	23
K8MD	20
W4ZRZ	20

K8EB	19
KE2N	16
KA3ZLS	16
WØZQ	16
432 MHz	
K1TEO	41
K8TQK	39
KA1ZE	39
WA2FGK (KØTV, op)	38
K4QI	35
K3TUF	35
WB2RVX	30
K9EA	29
W9GA	29
W4ZRZ	26
K1RZ	25
VE3ZV	24
W1RZF	23
W3IP	23
K8EB	23
902 MHz	

K1TEO	25
K3TUF	19
K1RZ	17
VE3ZV	16
WA2FGK (KØTV, op)	15
W2SJ	13
K9EA	11
K8TQK	11
K2YAZ	10
K8EB	9
K1IIG	8
WA3DRC	8
K5LLL	8
WB2RVX	8
K8MD	8
1296 MHz	
K1TEO	25
K3TUF	20
K8TQK	19
WA2FGK (KØTV, op)	18
K1RZ	17
K4QI	16

W4ZRZ	14
W2SJ	13
W3IP	12
K1IIG	11
W4DEX	10
WB2RVX	10
K9EA	10
K2YAZ	10
K5LLL	9
KE2N	9
Single Operator Portable	
50 MHz	
KA1LMR	22
WS2E	18
N2YTF	16
N7XB	9
W4RXR	7
VE7IHL	7
WA7NCL	6
K6VCR	4
WB2AMU	4
N7QF	3

144 MHz	
KA1LMR	25
WS2E	20
W9SZ	14
WB2AMU	13
N1PRW	13
NØKIS	13
N7XB	10
W4RXR	9
N2YTF	8
W3MEO	8
WA7NCL	7
VE7IHL	6
K6VCR	6
N7QF	3
KØNR	2
222 MHz	
KA1LMR	20
K6VCR	4
N2YTF	2
WB2AMU	2

VE7IHL	1
N7XB	1
432 MHz	
KA1LMR	21
WS2E	11
W4RXR	10
K6VCR	6
VE7IHL	3
N7XB	3
N2YTF	3
KØNR	2
WB2AMU	2
N7QF	2
902 MHz	
KA1LMR	9
K6VCR	5
1296 MHz	
KA1LMR	8
WS2E	5
K6VCR	5

Multioperator	
50 MHz	
K1WHS	82
K9NS -L	67
K8GP -L	65
W4IY -L	64
N3NGE	54
AA4ZZ -L	53
W3SO -L	50
W4NH -L	49
K3YTL	45
N2NK	44
W2SZ	42
KA2LIM -L	42
W4MYA -L	38
K9CVC	37
W2EA	37
144 MHz	
K8GP -L	73
W3SO -L	69
W2SZ	68
K9NS -L	68

K1WHS	66
W4IY -L	59
K3YTL	53
N3NGE	52
N8ZM -L	51
AA4ZZ -L	49
N2NK	43
W4NH -L	42
W4MYA -L	41
KA2LIM -L	40
W2EA	36
K9CVC	36
222 MHz	
W3SO -L	47
K1WHS	46
W2SZ	45
K8GP -L	44
N3NGE	38
K3YTL	37
AA4ZZ -L	32
W4IY -L	31
N2NK	31

N8ZM -L	28
K9NS -L	27
W2EA	25
K3EOD	24
W4NH -L	23
KA2LIM -L	22
K9CVC	22
432 MHz	
W3SO -L	52
K8GP -L	49
K1WHS	46
W2SZ	44
K3YTL	41
W4IY -L	39
AA4ZZ -L	39
N3NGE	38
K9NS -L	34
N8ZM -L	30
KA2LIM -L	27
W4NH -L	27
N2NK	26
KB0HH	23

K3EOD	22
902 MHz	
W2SZ	35
K1WHS	35
N3NGE	17
N2NK	15
K3EOD	13
K3YTL	11
W2EA	9
KB0HH	9
WØEEA	7
WA3UGP	7
K5QE	6
AG4V	5
N2GCZ	3
W3KWH	3
1296 MHz	
K1WHS	36
W2SZ	34
K3YTL	19
N3NGE	18

N2NK	14
K3EOD	12
W2EA	11
KB0HH	9
W3KWH	9
K9CVC	8
WØEEA	8
AG4V	7
K5QE	6
WA3UGP	6
KB8O	5

"-L" denotes Limited Multioperator