

# 2012 ARRL® January VHF Sweepstakes Results

## Fireworks in January!

Kevin Kaufhold, W9GKA, kkaufhold@yahoo.com

The summer months are usually known for dramatic activity on the VHF and above bands but the 2012 January VHF Sweepstakes weekend surprised almost everyone with an exceptional amount of enhanced propagation that equaled or surpassed a summer run on the bands in some areas. Not only was there an abundance of sporadic E (E-skip or E<sub>s</sub>), but aurora (Au), transequatorial propagation (TEP) and even F2 and Au-E<sub>s</sub> were evident in many areas. Many participants felt that this year's contest had some of the best January propagation in many years.

### 6 Meter Conditions

For many operators the fireworks on 6 meters occurred right from the start of the contest. In the midsection of the nation, Larry, NØLL, made 186 contacts on 6 meters from his Midwest location and even worked HKØNA on 6 meters for DXCC entity #130. Congrats Larry! Jon, NØJK, had strong E<sub>s</sub> from eastern Kansas to the mid-Atlantic region and even had a run going using a 2 element Yagi with 10 W. The band opening moved to the southwest after 2+ hours with Mexico coming in very loud.

Duffey, KK6MC, got in on the fun while roving across four grids between Flagstaff and Phoenix with W7QQ. They had numerous E<sub>s</sub> contacts on Saturday afternoon, some to the same stations as they moved between grids. The opening was so intense that many

contacts occurred while driving through hilly terrain. Another opening into the Pacific Northwest hit on Sunday afternoon throughout California. Traveling the same route as last year, the KK6MC score tripled. Pete,

WA7JTM, indicated that this was his best E<sub>s</sub> opening in a January contest — ever! That says a lot since he has operated in contests going back to the 1960s.

Five inches of snow and sleet fell in many areas of the Northeast 12 hours before the contest. As a result, activity at times was lower than usual and several rovers got a very slow start, but numerous stations got in on the fun anyway. Joe, K1JT, reported isolated E<sub>s</sub> openings into the south at the start of the contest and again on Sunday from 1830-2335 UTC, both into the Southeast and to the Midwest. Stan, KA1ZE/3, worked several well-known stations in the upper Midwest on Saturday, including WØUC, W9JN, WØZQ, KØKP and NØAKC. Interestingly, Stan made those QSOs from Clearwater Beach, Florida, remotely controlling his station in Pennsylvania.

N4QWZ in Tennessee's EM66 grid worked into South America, making contact with LU5, ZP5 and YV5 for the first time in his long radio career. Stations in CO2 and C6 were also worked. All contacts were on CW. While the Caribbean contacts were likely E<sub>s</sub>, the South American stations were probably contacted via TEP.

From EM31, Marshall, K5QE, had an exceptional E<sub>s</sub> run, working almost everything and everyone early Saturday afternoon in the EN and FN fields then switching into the DM field by 2156 UTC of the first day. In fact,

### Top Ten

Single Operator, Low Power		Multioperator	
K2DRH	151,392	K5QE	812,224
WA3NUF	147,618	N3NGE	535,050
N3RG	103,704	K3EOD	137,772
N3LL	103,032	W3SZ	79,280
AF1T	98,942	KB0HH	70,596
WB2SIH	82,296	N3YMS	66,700
N4TWX	66,125	N1JEZ	40,479
K1KG	61,149	N4QV	29,488
N4QWZ	58,108	WB3IGR	25,270
N1DPM	40,152	N4JQQ	22,750
Single Operator, High Power		Rover	
K1TEO	375,386	K5ME	379,000
K3TUF	332,536	W5FWR	356,345
K3IPM	103,562	KF5KEY	351,840
WØUC	81,016	AE5P	317,515
W5PR	80,475	K5TRK	305,800
WA3DRC	72,624	K5FAY	292,930
W42RZ	64,533	W5TV	184,052
WB2RVX	63,300	K1DS	134,246
K4QI	61,608	NN3Q	40,068
WØGHZ	58,195	VE3OIL	33,902
QRP Portable		Limited Rover	
N3AWS	7,398	WK5F	22,750
N8XA	6,400	KK6MC	12,920
WØPV	5,289	ABØYM	12,814
W9SZ	2,187	K9JK	9,400
WD5AGO	1,680	N2ZBH	9,316
WB2AMU	980	WØBL	9,080
AE6GE	945	WB8BZK	8,080
K2UNK	528	WA4JA	3,634
K4RSV	384	K6BRW	3,480
KL3JI	160	N4TZH	3,108
Limited Multioperator		Unlimited Rover	
W3SO	143,202	KRØVER	15,120
K2LIM	134,568	K2TER	14,014
K1JT	64,365		
W9RM	56,092		
W4NH	54,080		
W1QK	40,034		
WY3P	35,966		
KØSIX	27,166		
W3HZU	26,270		
N4BRF	10,318		



The Nacogdoches ARC put together a huge rover effort to win the Medium Club gavel — and succeeded. See the online article for more about this team operation. [Wayne Overbeck, N6NB, photo]

others in the Northwest reported Marshall's signals being extremely solid for much of Saturday. One of the K5QE operators, N5NU, ran a 200 contact hour on Saturday. Marshall's multioperator station had 158 grids on 6 meters alone!

### Aurora and Exotic Forms of Communication

Au was strong in the upper plains and Midwest. Paul, W0UC, (EN44) not only ran 6 meter E<sub>s</sub>, but had one of his longest Au sessions ever during a contest. Paul's first 6 meter Au run was on Sunday from 2026Z-2044Z. The buzz then returned on 6 meters from 2244Z-0130Z with contacts on 2 meters as well between 2301-0122Z. Gary, W0GHZ, also made some Au contacts from EN34 from 0043Z-0113Z on Saturday. Jim, K8MR, had aurora contacts with VE2 and VE3 as well as with W0UC and W9JN. Steve, VE3SMA (EN93) also reported working W0UC and W9JN on Au at around the same time.

K1JT, K5QE, and several others made contacts off the Moon once again this year. Many others ran meteor scatter on 6 and 2 meters. 10 GHz was well represented, too. One exceptional, 165 mile 10 GHz CW contact

Category Activity		
Category	2012 Logs	2011 Logs
SOLP	471	420
SOHP	148	154
SO-Portable	16	22
MO-Limited	23	28
MO-Unlimited	46	32
Rover	39	30
Rover-Limited	22	19
Rover-Unlimited	2	5

between Jon, W0ZQ, and Jim, K0AWU, is even available online at [nlrs-10ghz.blogspot.com](http://nlrs-10ghz.blogspot.com).

### 2012 Results — Aggregate Activity

As the graph shows, log submissions were up this year some 8% over 2011 with 767 logs entered compared to 710 last year. With the enhanced propagation, aggregate scores surged some 24% over 2011 to 10,737,292 points. Total contacts increased 33% to more than 87,000 and total multipliers across all bands jumped 48% to almost 28,000. The chart shows the aggregate volume of contacts made during each contest hour. Note that in several hours on both Saturday and Sunday contestants worked over 3000 stations per hour. That is a lot of activity!

Participation was up in 2012 in many of the categories as shown in the activity table. While there was some movement between subcategories, total Single Operator logs jumped dramatically from 574 to 619; total Multioperator logs increased from 60 to 69 and the Rover category totals (combined) went up from 54 to 63 logs.

### Single-Operator Categories

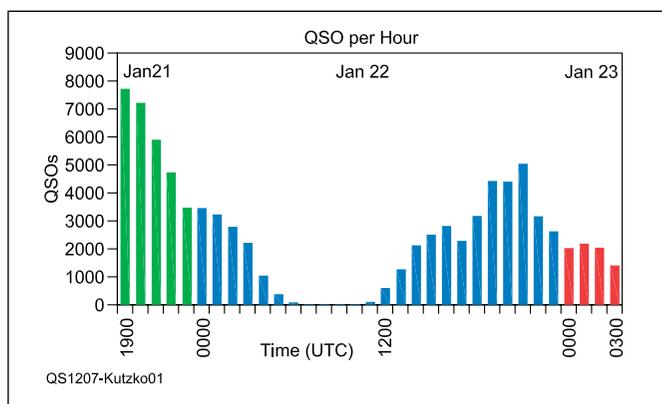
In Single Operator, High Power (SOHP) Jeff, K1TEO, took first place, just shy of 1000 contacts and 375,000+ points. The strong 6 meter conditions helped Jeff's score but making contacts on all bands through 10 GHz was a large factor in his success, too. Notably, Jeff had 17 contacts on 2.3 GHz and 11 contacts on 5.7 GHz. Now that's some all-band capability! Second in SOHP went to Phil, K3TUF, also scoring well over 300,000 points. Phil blanketed all bands, making contacts as high as 24 GHz as well as light.

Single Operator, Low Power (SOLP) continues to be the most popular category in the contest with 61% of all contest logs. First place goes to Bob, K2DRH, at 151,000 points. Bob led the nation in multipliers among the SOLP stations on most of the eight bands on which he was active. Only 4000 points behind, Phil, WA3NUF, captured second place this year with just over 146,000 points. Phil was on more bands and had more contacts than Bob but the difference was 110 more multipliers for K2DRH.

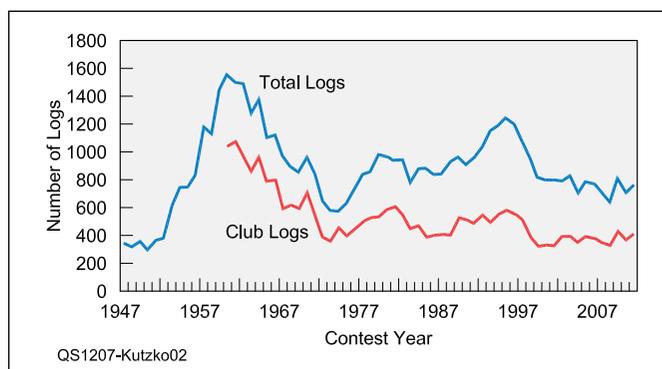
Single Operator, Portable (SOP) stations are a rugged bunch. Not only do they put up with freezing cold, snow and sleet in portable spots but they run only 10 W, use generators or batteries and often make do with makeshift

### Affiliated Club Competition

Unlimited Club		
Mt Airy VHF Radio Club	2,416,112	77
Medium Club		
Nacogdoches ARC	3,024,885	15
North East Weak Signal Group	782,902	20
Potomac Valley Radio Club	464,850	36
Florida Weak Signal Society	258,046	10
Northern Lights Radio Society	254,539	15
Society of Midwest Contesters	175,650	13
Contest Club Ontario	161,530	16
Badger Contesters	122,851	21
Florida Contest Group	103,872	7
Yankee Clipper Contest Club	86,541	12
Roadrunners Microwave Group	72,208	3
Arizona Outlaws Contest Club	66,271	4
Tennessee Contest Group	59,164	3
North Texas Microwave Society	48,959	5
Pacific Northwest VHF Society	31,475	11
Rochester VHF Group	29,927	9
Frankford Radio Club	25,508	5
Western New York DX Assn	20,959	3
Carolina DX Association	19,472	5
Grand Mesa Contesters of Colorado	18,016	6
Northern California Contest Club	17,008	7
Six Meter Club of Chicago	14,650	11
South Jersey Radio Assn	14,353	6
Bergen ARA	14,016	12
Central Texas DX and Contest Club	10,758	4
Alabama Contest Group	6,286	3
Minnesota Wireless Assn	5,502	7
Contest Group Du Quebec	4,888	6
Southern California Contest Club	443	3
Alaska VHF-UP Group	310	3
Local Club		
Murgas ARC	51,453	4
Bristol (TN) ARC	47,773	10
Stoned Monkey VHF ARC	34,872	4
Granite State ARA	22,740	4
Eastern Connecticut ARA	18,774	4
Lone Star DX Assn	18,174	3
Raritan Bay Radio Amateurs	12,272	6
10-70 Repeater Assn	9,141	5
Meriden ARC	8,955	4
Burlington ARC	5,655	6
Mobile Sixers Radio Club	5,064	3
Portage County Amateur Radio Service	4,310	3



A chart showing the number of contacts logged during each hour of the contest. The effects of the big 6 meter openings raised activity on both days.



Club logs continue to make up a significant fraction of all submitted logs year after year. In 2012, approximately half of all logs submitted also contributed to a club score.

## Regional Leaders

Northeast Region	Southeast Region	Central Region	Midwest Region	West Coast Region
<b>New England, Hudson and Atlantic Divisions; Maritime and Quebec Sections</b>	<b>Delta, Roanoke and Southeastern Divisions</b>	<b>Central and Great Lakes Divisions; Ontario Section</b>	<b>Dakota, Midwest, Rocky Mountain and West Gulf Divisions; Manitoba and Saskatchewan Sections</b>	<b>Pacific, Northwestern and Southwestern Divisions; Alberta, British Columbia and NWT Sections</b>
WA3NUF 147,618 A	N3LL 103,032 A	K2DRH 151,392 A	WB5ZDP 33,182 A	WA7JTM 27,270 A
N3RG 103,704 A	N4TWX 66,125 A	VE3SMA 28,122 A	N0LL 27,306 A	NQ7R 24,444 A
AF1T 98,942 A	N4QWZ 58,108 A	N9LB 26,235 A	WB2FKO 24,947 A	WJ0F 19,170 A
WB2SIH 82,296 A	W2BZY 36,642 A	K8MR 20,768 A	WA0ARM 17,301 A	K6MI 14,300 A
K1KG 61,149 A	KO4MA 31,300 A	VA3ZV 16,730 A	W6ZI 17,220 A	K6TSK 9,894 A
K1TEO 375,386 B	W4ZRZ 64,533 B	W0UC 81,016 B	W5PR 80,475 B	N7CW 38,068 B
K3TUF 332,536 B	K4QI 61,608 B	K8MD 44,157 B	W0GHZ 58,195 B	W6XI 18,700 B
K3IPM 103,562 B	WD4MGB 46,509 B	K9EA 35,595 B	W0ZQ 32,054 B	N7EPD 13,489 B
WA3DRC 72,624 B	K14FIA 34,132 B	VA3ST 35,100 B	W3XO/5 31,122 B	KC6ZWT 13,048 B
WB2RVX 63,300 B	K0VXM 32,130 B	W9GA 23,828 B	WD5K 20,748 B	KC6SEH 6,840 B
WB2AMU 980 Q	N3AWS 7,398 Q	N8XA 6,400 Q	WD5AGO 1,680 Q	AE6GE 945 Q
K2JUNK 528 Q	W0PV 5,289 Q	W9SZ 2,187 Q	KD7WPJ 108 Q	KL3JI 160 Q
WA3WUL 16 Q	K4RSV 384 Q	KD0EBT 126 Q	K0NR 90 Q	WO1S 627 L
KC2UES 8 Q	W4NH 54,080 L	W9RM 56,092 L	K0SIX 27,166 L	W6YX 6,240 M
WA1LEI 6 Q	WY3P 35,966 L	N9TF 9,882 L	N0LD 7,865 L	W6RKC 559 M
W3SO 143,202 L	N4BRF 10,318 L	N8ZM 4,224 L	W0VB 4,743 L	KE7SW 450 M
K2LIM 134,568 L	WA4DYD 6,325 L	K8GDT 2,520 L	WD5IYF 1,716 L	VE6CWP 63 M
K1JT 64,365 L	N4QV 29,488 M	W9RVG 8,610 M	K5QE 812,224 M	KF6I 18 M
W1QK 40,034 L	N4JQQ 22,750 M	N2BJ 7,130 M	KB0HH 70,596 M	K6LMN 3,078 R
W3HZU 26,270 L	K1KC 22,320 M	W8RU 3,686 M	N0GZ 14,268 M	K6EU 645 R
N3NGE 535,050 M	N4PD 3,080 M	VE3OIL 33,902 R	K5GKC 2,838 M	KL7YK 580 R
K3EOD 137,772 M	W4PK 2,911 M	K9TMS 12,072 R	K5MVZ 2,088 M	K6GEP 63 R
W3SZ 79,280 M	AG4V 16,665 R	N9REP 11,400 R	K5ME 379,000 R	KK6MC 12,920 RL
N3YMS 66,700 M	K8GP 11,232 R	K9BTW 11,160 R	W5FWR 356,345 R	K6BRW 3,480 RL
N1JEZ 40,479 M	WA4JA 3,634 RL	W9FZ 6,253 R	KF5KEY 351,840 R	WW7D 2,768 RL
K1DS 134,246 R	N4ZTH 3,108 RL	K9JK 9,400 RL	AE5P 317,515 R	WA7KVC 2,398 RL
NN3Q 40,068 R	KD4RSL 2,414 RL	WB8BZK 8,080 RL	K5TRK 305,800 R	K1FJM (N6ZE, op) 910 RL
AA1I 17,976 R	KD4GCF 288 RL	VE3RKS 1,856 RL	WK5F 22,750 RL	
WA1T 11,704 R		K9PLS 240 RL	AB0YM 12,814 RL	
K3IUV 7,751 R			W0BL 9,080 RL	
N2ZBH 9,316 RL			AF5Q 777 RL	
N2SNL 1,104 RL			KE5VIO 192 RL	
K2TER 14,014 RU			KE5VIM 192 RL	
			KR0VER 15,120 RU	

antennas. First place went to James, N3AWS, from Mississippi who used only 6 meters, making 137 contacts and finishing with 7398 points. Phil, N8XA, worked 6, 2 and 222 from Ohio to take second, while John, W0PV, finished third at over 5000 points, also using only 6 meters from the West Central Florida section.

### Multipoperator Categories

It is fascinating to watch multipoperator stations in action. Being able to juggle many schedules, bands and modes from EME to MS and tropo is truly awe-inspiring to watch. In particular, the Multipoperator, Unlimited (MU) is a no-holds-barred, big power spectacular event, typically with many other single operators and rovers in close coordination.

Taking top honors this year is Marshall's, K5QE, Texas team. At 812,224 points, Marshall's was one of two stations in the entire contest to exceed 1000 total contacts reaching 1339 contacts. It was a long-sought goal of his to win the MU category in January from a low population area. Congratulations! Second place went to another great operation at Len's, N3NGE, station in eastern Pennsylvania. His was the other station to go over 1000 contacts and at 1229 it was very close on contacts but over 100 multipliers behind K5QE, finishing at 535,050 points.

The Multi operator, Limited (ML) category is an interesting one, being limited to only four bands but with multiple operators running the bands. ML saw intense competition in 2012.

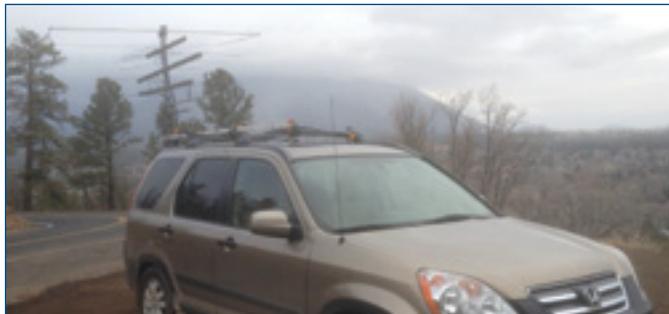
W3SO in Pennsylvania finished with top honors at 143,000 plus points. Around 50% of the station's 676 contacts were on 6 meters. Second place was taken by K2LIM, only 9000 points behind with a few less contacts and multipliers.

### The Rover Categories

This year the national rover leaders were a Who's Who from the Nacogdoches Radio Club. The first seven places in the Rover category were from Nacogdoches as was the top place holder in the Limited Rover (RL). First place in the Rover category went to Bob, K5ME, at 379,000 points. Running 11 bands through 24 GHz, Bob made 672 contacts and 125 multipliers. Close behind was W5FWR at more than 356,000. The difference lay in a

## 6 Meter Propagation Play-by-Play

Along with more photos and graphics and a great club story, the extended version of this write-up at [www.arri.org/contest-results-articles](http://www.arri.org/contest-results-articles) provides an extensive "play-by-play" 6 meter propagation report based on a sequence of hourly contact maps. John, K9JK, did a great service in generating the sequence of maps from the ARRL log-checking database. Mid-points between contacts and the likely regions of E layer density are easy to spot. When looking at the maps, it is amazing to realize all this occurred in January, not June!



Jim, KK6MC, and Bill, W7QQ, roved across four grids between Flagstaff and Phoenix, using a Moxon beam for 6 meters and Yagis for 2 meters through 70 cm. [James Duffey, KK6MC, photo]

## Division Leaders by Category

### Single Operator, Low Power

Atlantic	WA3NUF	147,618
Central	K2DRH	151,392
Dakota	N0KK	12,600
Delta	N4QWZ	58,108
Great Lakes	K8MR	20,768
Hudson	WB2SIH	82,296
Midwest	N0LL	27,306
New England	AF1T	98,942
Northwestern	KD7UO	4,488
Pacific	K6MI	14,300
Roanoke	W3IP	18,848
Rocky Mountain	WB2FKO	24,947
Southeastern	N3LL	103,032
Southwestern	WA7JTM	27,270
West Gulf	WB5ZDP	33,182
Canada	VE3SMA	28,122

### Single Operator, High Power

Atlantic	K3TUF	332,536
Central	W0UC	81,016
Dakota	W0GHZ	58,195
Delta	KG5MD	23,280
Great Lakes	K8MD	44,157
Hudson	W2KV	23,302
Midwest	W0LQG	4,888
New England	K1TEO	375,386
Northwestern	N7EPD	13,489
Pacific	KC6ZWZ	13,048
Roanoke	K4QI	61,608
Rocky Mountain	K7ICW	10,728
Southeastern	W4ZRZ	64,533
Southwestern	N7CW	38,068
West Gulf	W5PR	80,475
Canada	VA3ST	35,100

### Limited Multioperator

Atlantic	W3SO	143,202
Central	W9RM	56,092
Dakota	K0SIX	27,166
Great Lakes	N8ZM	4,224
Hudson	W2JJ	
	(WA2VUN, op)	7,310
Midwest	N0LD	7,865
New England	W1QK	40,034
Roanoke	WY3P	35,966
Southeastern	W4NH	54,080
Southwestern	W0IS	627
West Gulf	WD5IYF	1,716

### Single Operator, Portable

Atlantic	K2UNK	528
Central	W9SZ	2,187
Delta	N3AWS	7,398
Great Lakes	N8XA	6,400
Hudson	WB2AMU	980
New England	WA1LEI	6
Northwestern	KL3JI	160
Pacific	AE6GE	945
Southeastern	W0PV	5,289
West Gulf	WD5AGO	1,680

### Multioperator

Atlantic	N3NGE	535,050
Central	W9RVG	8,610
Delta	N4JQQ	22,750
Great Lakes	W8RU	3,686
Hudson	KC2SST	1,456
Midwest	N0GZ	14,268
New England	N1JEZ	40,479
Northwestern	KE7SW	450
Pacific	W6YX	6,240
Roanoke	N4PD	3,080
Rocky Mountain	W0RIC	1,924
Southeastern	N4QV	29,488
Southwestern	KF6I	18
West Gulf	K5QE	812,224
Canada	VE6CPP	63

### Rover

Atlantic	K1DS	134,246
Central	K9TMS	12,072
Dakota	KC0P	9,418
Delta	AG4V	16,665
Midwest	WB9QAF	187
New England	AA1I	17,976
Northwestern	KL7YK	580
Pacific	K6EU	645
Roanoke	K8GP	11,232
Rocky Mountain	N0LP	19,760
Southwestern	K6LMN	3,078
West Gulf	K5ME	379,000
Canada	VE3OIL	33,902

### Limited Rover

Atlantic	N2SLN	1,104
Central	K9JK	9,400
Delta	WA4JA	3,634
Hudson	N2ZBH	9,316
Northwestern	WW7D	2,768
Pacific	K6BRW	3,480
Roanoke	KD4RSL	2,414
Rocky Mountain	AB0YM	12,814
Southeastern	N4TZH	3,108
Southwestern	KK6MC	12,920
West Gulf	WK5F	22,750
Canada	VE3RKS	1,856

### Unlimited Rover

Atlantic	K2TER	14,014
Rocky Mountain	KR0VER	15,120

logs entered this year, accounting for 54% of all logs. Club members also generated the vast bulk of scores at 8,571,134 points, 78% of total points made by all participants.

In the Unlimited Club category, the Mt Airy VHF Radio Club "Pack Rats" posted a huge number of club logs (77) as well as total points (2.4 million) being the only club that amassed over 50 member logs in the contest. Including this year the Pack Rats have won the last 16 consecutive Unlimited Club gavels in the January contest and have won either the Unlimited or Medium club category in almost every year since 1961. No other club can claim that kind of record in any contest, HF or VHF+.

Thirty clubs participated in the Medium Club category. The Nacogdoches ARC engaged in a monumental effort to take the Medium Club gavel with over 3 million points, having increased their logs to 15 this year. The North East Weak Signal Group continued its strong showing from prior years, placing second in the category. Another preeminent club, the Potomac Valley Radio Club, placed third with more logs than any other club except the Pack Rats.

The Local Club category experienced intense competition among 12 club entries. First place went to the Murgas ARC with 51,453 points from four logs. Murgas has also been a perennially active club, having now won eight Local Club gavels in January (at least by the author's count) and even more in September. The Bristol (TN) ARC finished close behind in second place at 47,773 points and 10 logs while the Stoned Monkeys ARC from Illinois was third with over 34,000 points.

## Conclusion

Propagation this year was extraordinary, with E<sub>s</sub>, Au, Au-E<sub>s</sub>, TEP and F2 all contributing to the effort. Most of the contestant's scores were higher than in prior years as a result. The real significance of the 2012 edition of the January VHF Sweepstakes may lie in the increased participation levels. Not only were total points, contacts and multipliers higher but submitted logs, participating clubs and band activity levels were all up. Let's keep the trend going into 2013! See you next year for the VHF Sweepstakes January 19-21!

A special thanks to everyone who provided a log or log extract on E<sub>s</sub> or Au contacts: N9LB, W6KBX, K1TEO, K8MRI, WZ1V, AA5JG, NQ7R, W2BVH, K3TD, K3TUD, K5QE, K7XC, K9EA, K9ZM, KA1ZE, KC6ZWT, N3RG, N7DB, NN1N, VE3SMA, N0POH, W0GHZ, W0UC, N4NH, W9RVG, WA0CNS and WA7JTM.

fewer contacts and multipliers. KF5KEY was third at 351,000 points. All three of these top Rovers worked from 10 grids with 11 bands of operation.

The RL category saw Bill, WK5F, take the top spot at 22,750 points. Having only the lowest four VHF bands to utilize, he still made 303 contacts. Second was Duffey, KK6MC, who had more than 100 E<sub>s</sub> 6 meter contacts in Arizona, totaling almost 13,000 points. Third in this category was AB0YM from Colorado who also obviously benefitted from excellent 6 meter conditions with 65 out of 207 contacts being on 6 meters.

Only two logs were entered in the Unlimited Rover (RU) category. KR0VER in Colorado

## Band Activity

Band	Logs	QSO
6	720	46,408
2	612	20,964
222 MHz	317	5,683
432 MHz	466	8,350
902 MHz	114	1,406
1296 MHz	173	1,883
2304 MHz	78	935
3456 MHz	52	708
5760 MHz	34	432
10 GHz	46	456
24 GHz	14	81
47 GHz	0	0
75 GHz	0	0
119 GHz	0	0
142 GHz	0	0
241 GHz	0	0
Light	19	51
Total		87,357

ran six bands through 1296, garnering 15,000 or so points. K2TER from New York was second, making over one-half of his contacts on 6 meters.

## Club Competition

The Club Competition has been a driving force of the January VHF Sweepstakes since the earliest days of the contest in 1948. This year was no exception with 43 clubs participating, compared with 38 clubs last year in 2011 and up from 27 clubs back in 2000. There were 414 club

## Extended Version Online

Check out the extended version of this article at [www.arri.org/contest-results-articles](http://www.arri.org/contest-results-articles) for more analysis and more photos. If you own a smartphone, just scan this QR code.

