



# Spot Check

Friday, April 2<sup>nd</sup>

Welcome to Lawrence, Kansas  
and DCA 2009 –  
the Sunflower Classic.

Sheila Wymore, Show Chair



## Quilt Raffle

Be sure to stop by the catalog table all week to view the gorgeous quilt created by Janette Sheldon and donated to DCA. To give everyone a chance to take this quilt home, it will be raffled rather than auctioned. Tickets may be purchased from Jan Nelson (you can't miss Jan, as she has a long-haired yellow-patched pup at her side).

## Road Trial

Judge – Danielle Le Vangie

Veterinarian – Laura E. Erwin, DVM

### RDA

- 1) Ch Cimarron Snow Bunny (Montgomery)  
Score: 548
- 2) JLS Believe It Or Not (Zimmerman)  
Score: 459

### RDB

- 1) Ch Koira Redrk Radagast The Brown CD (Strupp)  
Score: 585

## Coaching Certificate Qualifiers

London's Foggy Mist CD RE (Podleski)  
Ch London's Chimney Soot RN (Podleski)  
Ch Whirlwind's Walk This Way CD (Hill)  
Angel's Nest Annie Fenway (Carson)  
OTCH Montague's Vintage SunRunner UDX3 (Luft)

## High in Road Trial

Ch Koira Redrk Radagast The Brown CD

## Best Conditioned Dog

Ch Koira Redrk Radagast The Brown CD

## Best Conditioned Horse

Peggy Ann Strupp's

Thank you to Trial Chair, Rosie Branaman  
and all the volunteers who provided assistance.

Tickets are \$1 each, 5/\$4, 13/\$10, or 30/\$20. Buy more and increase your odds of winning. Drawing will be at the banquet on Wednesday. Thank you to Janet, and quilt contributors – Mag Rags Sportswear and the Heartland Dalmatian Club of Greater Kansas City.

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## Obedience

Judge – Mr. Richard P. Wood

### Novice A

- 1) Sommersprosse Bell Of The Ball RN RA NAJ CGC (Dickerson) 173

### Novice B

- 1) CH Koira Fyrlyte Magic Happens RA OF AX AXJ (Luikart) 194
- 2) JLS Killcreek Arietta To Kennan RE (Dittrick) 193
- 3) Driftwood One Hot Boka CD RAE OF OA AXJ (Isaacson) 191.5
- 4) Driftwood Scotch Bonnet RA XF CD AX AXJ (Blink) 188.5

### Open A

- 1) Snowood Spirit O Crescent Moon OA OAJ (Wilson/Hennessey) 186

### Open B

- 1) OTCH Montagues Vintage Sun Runner UDX3 (Luft) 197.5
- 2) Anticipation's Up In Smoke NF CDX MX MXJ RN (Ogle) 191.5
- 3) Longlast Talisman Mischief Maker RAE UD MX MXJ (White/White) 191
- 4) Lotzadot's Jamn' To Jazz RN CDX TDX NAJ NA (Wageman/Wageman/Plaza) 190

### Pre-Novice

- 1) Stellar N TBGO Are You Ready CGC (Seckler) 180
- 2) Dakota Drama Q Sirens Song RN RA RE NAT (Wills/Taylor) 155
- 3) CH JLS Taking The High Road (Kraus) 37.5
- 4) CH Bay Colony Wedgewood Zdar BarD RN (Wills/Taylor/Siegel) 25

### Graduate Novice

- 1) Driftwood Scotch Bonnet RA XF CD AX AXJ (Blink) 180

### Veterans

- 1) Touchstone Grandslam Sieben UDX NA NAJ RN (Wageman/Wageman) 192.5
- 2) CH Oakdal Spring's Sudden Storm CD RAE (Ratcliff/Stoll) 179.5

### Versatility

- 1) Longlast Talisman Mischief Maker RAE UD MX MXJ (White/White) 189
- 2) Hattrick's Dream Come True UD AX AXJ (Stillman/Deer/Deer) 187

### Brace

- 1) London's Grandslam At Fenway CDX RN (Wageman/Wageman) 190  
Touchstone Grandslam Sieben UDX NA NAJ RN (Wageman/Wageman) 190

- 2) Hattrick's Dream Come True UD AX AXJ (Stillman/Deer/Deer) 179.5  
Hattrick's Steal My Heart CDX RE NA NAJ (Stillman/Heflin/Deer) 179.5
- 3) Dixie RE NAJ NAP (Neely) 170.5  
JLS Roaring To Go RE (Neely) 170.5

### Team

Judges – Mr. Richard P. Wood & Mrs. Margery A. West

- 1) CH Robbsdale Can't Drive Fifty Five MXJ CD MX RA (Raven)  
Anticipation's Up In Smoke NF CDX MX MXJ RN (Marc S Ogle)  
Longlast Talisman Mischief Maker RAE UD MX MXJ (Debbie & Bob White)  
Hattrick's Dream Come True UD AX AXJ (Julie Stillman & Mike & Maureen Deer)  
Team Score: 657.5
- 2) Snow Hill Phoenix Believe In Me RN AX MXJ NF (Waldrop)  
CH Koira Fyrlyte Magic Happens RA OF AX AXJ (Luikart)  
Snowood Spirit O Crescent Moon OA OAJ (Wilson/Hennessey)  
OTCH Montagues Vintage Sun Runner UDX3 (Luft)  
CH Koira Redrk Radagast The Brown CD (Strupp)  
Team Score: 596
- 3) Robinwood Peach State Imp CD RE MJP NAP NAJ (Bergin/Ledgerwood)  
Driftwood One Hot Boka CD RAE OF OA AXJ (Isaacson)  
Honeylane's Pyrotechnics CD NA OAJ RE (Chirolas/Tenczar)  
Dakota Drama Q Sirens Song RN RA RE NAT (Wills/Taylor)  
CH Southern Exposure Abby Of Bedlam CDX RE (Garceau/Garceau/Quinn)  
Team Score: 444



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# Rally

Judge – Mrs. Margery A. West

## Novice A

- 1) Angel's Nest Annie Fenway (Carson/Shakalis/ Gerzaniks) 98
- 2) CH Cimarron Snow Bunny (Montgomery) 85
- 3) Mistral's Irish Mocha (Edwards) 82
- 4) Sunrunner Mapleleaf Ode To Joy (Smith/Rochin)

## Novice B

- 1) Montague Driftwood One Hot Tamale (Luft) 99
- 2) Holly Tree Pirates Treasure (Dunaway) 96
- 3) Driftwood Maximum Overdrive (Ogle) 95
- 4) Stellar N TBGO Are You Ready CGC (Seckler) 93

## Advanced A

- 1) Storytym Sir Oakdal RN (Ratcliff/Stoll/Evans) 84

## Advanced B

- 1) Driftwood One Hot Boka CD RAE OF OA AXJ (Isaacson) 90
- 2) CH PHD Peachstate Talk A The Town CD RE (Bergin) 89
- 3) CH Driftwood Picotee Freestyle RE OF CD OA MXJ (Blink/Bowers) 73

## Excellent A

- 1) Sommersprosse Bell Of The Ball RN RA NAJ CGC (Dickerson) 71

## Excellent B

- 1) Robinwood Peach State Imp CD RE NJP NAP NAJ (Bergin/Ledgerwood) 92
- 2) Driftwood Scotch Bonnet RA XF CD AX AXJ (Blink) 92
- 3) Driftwood One Hot Boka CD RAE OF AXJ (Isaacson) 77
- 4) CH Driftwood Picotee Freestyle RE OF CD OA MXJ (Blink/Bowers) 71



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## PURINA Pro Club

# Dalmatian Update

DCA National Special Edition

### Gene Mutation Linked to High Uric Acid Levels Identified

**D**iscovery of the gene mutation that causes hyperuricosuria in Dalmatians provides insightful information about how the breed develops painful and potentially, life-threatening urinary stones.

Unlike any other breed of dog, all Dalmatians are homozygous for the hyperuricosuria (high uric acid) gene mutation, making them susceptible to bladder and urinary stones. In other words, Dalmatians inherit two copies of the gene mutation. Whereas some Bulldogs and Black Russian Terriers have the same genetic mutation, these breeds also carry the normal version of the gene, which allows breeders to use selective breeding to eliminate the trait in their bloodlines.

The gene mutation results in an amino acid deficiency of a key protein involved in transporting uric acid to the liver. This contributes to increased excretion of uric acid and affects metabolism of uric acid into allantoin. While most mammals are able to

metabolize purine compounds and produce water-soluble allantoin as a waste product in urine, Dalmatians, along with humans and great apes, produce a different breakdown product, uric acid. Elevated uric acid levels can result in the production of uric acid salts or urate that crystallize and form stones in the bladder. Stones can form at any age, even in dogs as young as 4 weeks. If not treated, stones can lead to urinary blockage.

In the gene mutation research, Danika Bannasch, D.V.M., Ph.D., associate professor of veterinary genetics at the University of California, Davis, along with Bob Schaible from Purdue University, analyzed urine and DNA samples from a backcrossed line of Dalmatians and a single Pointer.

The two-year study resulted in identification of a defect in the SLC2A9 gene that is believed to cause high levels of uric acid. Published last November in *PLoS Genetics*, a journal of the Public Library of Science, the

research results enable breeders of Bulldogs and Black Russian Terriers to use a new canine hyperuricosuria DNA test to identify carriers of the recessive condition and potentially eliminate high uric acid, which leads to development of urinary stones.

In Dalmatians, "the backcross dogs allowed us the opportunity to identify the gene that causes Dalmatians to produce high levels of uric acid," Bannasch says. "Half the backcross progeny produce normal levels of uric acid. Though they have a similar genetic makeup to Dalmatians, half the backcross dogs have one normal copy of the gene."

Genetic analysis of the backcross dogs helped to determine the chromosome location of the gene causing hyperuricosuria in Dalmatians. Within the location, a region of 24 candidate genes was identified. Because the gene that aids in oxidizing uric acid to allantoin was not located in this region, the researchers excluded it.

Further analysis of additional backcross puppies narrowed the range to 19 genes. The researchers began focusing on these genes and further narrowed the search to four genes by studying DNA samples collected from Dalmatians from different bloodlines and countries who all shared this DNA segment in common. Gene sequencing and expression analysis led to identification of the SLC2A9 gene as the location of the mutation. The discovery was validated when the researchers found that samples of affected Bulldogs and Black Russian Terriers also had two abnormal copies of this gene. ■

#### Tips on Living Free of Obstruction

**D**almatians are prone to developing urinary stones due to an inability to convert uric acid to allantoin, a urinary excretion product of purine metabolism. Here are ways to reduce risk of obstruction in your Dalmatian.

- Make sure your dog receives plenty of water to help keep the urine dilute and prevent formation of stones.
- Monitor your dog's water intake and try keeping water bowls at several locations. Be sure to change water often.
- Allow your dog outside regularly and be sure to provide daily exercise. Stagnant urine in the bladder is more likely to form crystals and possibly stones.
- Because Dalmatians are unique in the way they metabolize purine-yielding foods, a low purine-yielding food is the healthiest.
- Play close attention to whether your dog has trouble urinating, and take him to the veterinarian if you notice any abnormal behavior.