

# Heel And Sit News

NEWSLETTER OF THE GREAT SALT LAKE DOG TRAINING CLUB

## What's Happening.....



### Jessie & Ari go to AKC Rally Nationals!:

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### Next General Meeting, Training Classes:

General Meeting April 24th. Next Class Sign up May 3rd

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## **Team Dragon at the AKC Rally Nationals in Perry, Georgia**



*Jessica Buhlman & Ari*

Last year and the beginning of this year have been quite the learning experience for Team Dragon, Ari and myself. Ari finished his AKC Rally titles in a matter of five months. He went from Rally Novice to Rally Advanced Excellent in a very short period of time. I know I was amazed by the talent and skills he showed for a young, green, and untested dog, but we were even more excited to receive our invitation to the AKC Rally National Championship in Georgia. Ari was invited to compete in the highest level of the competition, the Rally Advanced Excellent Classes. He would be required to show in four total rings (two Excellent and two Advanced courses) and he would be competing against one hundred and sixty other dogs. We decided to accept our invitation. In the months of preparation Ari and I worked six out of seven days a week on his skills and perfecting our team work. We had help from our mentors and private trainer Deborah Nendell and Donna

Eliason. By the time, we left for Nationals, I knew that we were prepared and ready to show. My trip was a success before we ever showed because Ari was an amazing traveler. He handled the two-thousand-mile flight beautifully, as well as all the strangers and airports.

Upon arrival in Perry, Georgia, we made sure that Ari was ready for his weekend. The traveling made him very tired so we had a night and a whole day that he spent resting. On Thursday, all competitors were to check in, given their course maps, and allowed to set up crate space. Ari and I took advantage to walk around the very large building. The building had eight full rings and enough crate space for over four hundred dogs, in other words it was HUGE! Ari was still tired from traveling so we went back to the hotel room so he could get the rest he needed for the next day of competition. Friday morning was very early, the day started with ten- minute course walkthroughs. We were required to walk all our courses in the order in which we would be showing. Now just try to picture one hundred and sixty competitors split into groups of forty all walking a Rally course at the same time. It was busy! The walkthroughs took a matter of forty minutes and when they were finished judging began.

Ari's course orders were Excellent, Advanced, Advanced and Excellent. Ari showed in his first ring about two hours after I had walked the courses. He had not been disturbed until it was two dogs before our turn, and he scored a perfect one hundred points. His next ring was another two hours later and he was dead asleep and I couldn't get him to wake up fast enough, he made a mistake and didn't jump and we scored an eighty-six. His third ring started about an hour later, he did a very good job, and our score was an eighty-nine. His last ring was the longest wait and I myself was starting to feel the long day, but I knew that I could get the energy I needed out of Ari. We only had one more ring to go and we did it! He went in to the ring, and this was the hardest course of the day (had the hardest signs and more judging tricks) and he scored a perfect 100. His work and stamina that he showed at this big competition just wowed me. I was very proud of my boy. We finished the competition with three hundred and seventy-five points and we ended in seventy-first place.

This competition taught me a lot about myself, my dog, and future competitions. I am very proud of what Ari and I did for our first time. This was a very well-organized show, with fantastic stewards and very kind and supportive judges. The atmosphere of the show made you feel like you were a winner because you were there. It was truly a wonderful experience that I hope to have the privilege of doing again.

One of the things that everyone who had attended this event in the past advised was to stay till the end and watch the awards. Very tired and ready for rest we stayed, and it was worth the wait! It was amazing to see the room filled with people all surrounding one ring and cheering for the winners. The amount of community and support for the winner's efforts was amazing. It was truly special, the community, sportsmanship, and camaraderie made this event very special. It was a privilege to be a part of this event!

With tracking, hunt training and scenting season upon us, I felt another article on a dog's sense of smell was in order. If you've ever watched a dog tracking, hunting, doing detection scent work, you know what I mean when I say "it's AMAZING to watch". So how do they do it? Read on to gain some insight on how a dog scents.

## Dogs' Dazzling Sense of Smell

By Peter Tyson

### What lies behind their exceptional gift of sniff?

*They haven't got no noses,  
The fallen sons of Eve;  
Even the smell of roses  
Is not what they supposes;  
But more than mind discloses  
And more than men believe.*

—from "The Song of the Quoodle," G.K. Chesterton

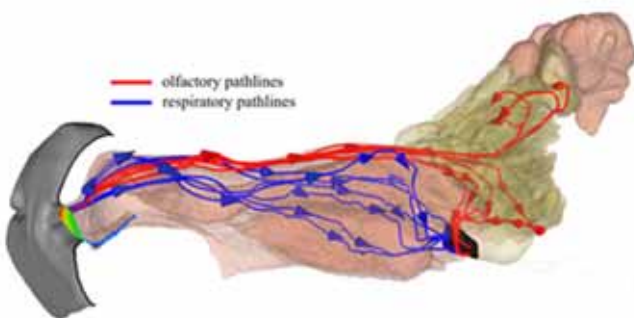


*Your average dog's nose is tens of thousands of times as sensitive to odors as yours. What accounts for this stunning piece of machinery?*

My dog Jones used to do the most curious thing whenever my friend Burk visited my house. Jones was a mutt from the pound, so before we adopted him he might have picked up some unsavory habits. But he'd sidle over to Burk, rub up against him, and start to lift his leg on him.

Jones, a greyhound-black lab mix who, bless his big heart, passed on at age 15 a few years ago, never did that with any other visitor. Burk didn't smell or wear stinky clothes, and he didn't antagonize or otherwise provoke Jones. Burk did have a dog of his own, a redbone coonhound named Hattie, but other visitors had dogs. In short, he shouldn't have stood out in any way from anyone else. But to Jones, Burk was like a fresh wall to a graffiti artist.

Why? For me, Jones's behavior—which even a dog-cognition expert acknowledged was unusual—epitomizes the mystery that is dogs' sense of smell. What lies behind this astonishing capability of theirs, one that makes the world not a visual one as it is to us but a richly odoriferous one? How do their noses differ from ours, and what do their brains do differently? Finally, is there an answer to why Jones tried to pee on Burk every time he set foot in my place?



*Figure 1: When a dog breathes in, the air separates into distinct paths, one (red) flowing into the olfactory area and the other (blue) passing through the pharynx (black) to the lungs*

### OLYMPIC SNIFFERS

Dogs' sense of smell overpowers our own by orders of magnitude—it's 10,000 to 100,000 times as acute, scientists say. "Let's suppose they're just 10,000 times better," says James Walker, former director of the Sensory Research Institute at Florida State University, who, with several colleagues, came up with that jaw-dropping estimate during a rigorously designed, oft-cited study. "If you make the analogy to vision, what you and I can see at a third of a mile, a dog could see more than 3,000 miles away and still see as well."

Put another way, dogs can detect some odors in parts per trillion. What does that mean in terms we might understand?

Well, in her book *Inside of a Dog*, Alexandra Horowitz, a dog-cognition researcher at Barnard College, writes that while we might notice if our coffee has had a teaspoon of sugar added to it, a dog could detect a teaspoon of sugar in a million gallons of water, or two Olympic-sized pools worth. Another dog scientist likened their ability to catching a whiff of one rotten apple in two million barrels.

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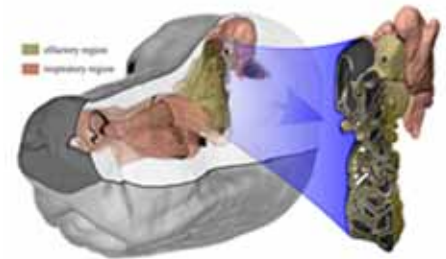
Experts have reported incredible true stories about the acuteness of dogs' sense of smell. There's the drug-sniffing dog that "found" a plastic container packed with 35 pounds of marijuana submerged in gasoline within a gas tank. There's the black lab stray from the streets of Seattle that can detect floating orca scat from up to a mile away across the choppy waters of Puget Sound. There's the cancer-sniffing dog that "insisted" on melanoma in a spot on a patient's skin that doctors had already pronounced cancer-free; a subsequent biopsy confirmed melanoma in a small fraction of the cells. And so on.

## A NOSE FOR ODORS

What do dogs have that we don't? For one thing, they possess up to 300 million olfactory receptors in their noses, compared to about six million in us. And the part of a dog's brain that is devoted to analyzing smells is, proportionally speaking, 40 times greater than ours.

Dogs' noses also function quite differently than our own. When we inhale, we smell and breathe through the same airways within our nose. When dogs inhale, a fold of tissue just inside their nostril helps to separate these two functions. "We found that when airflow enters the nose it splits into two different flow paths, one for olfaction and one for respiration," says Brent Craven, a bioengineer at Pennsylvania State University who modeled airflow and odor transport using high-resolution MRI scans of a lab cadaver's nose (see Figure 1). Craven and colleagues are working to reverse-engineer the canine nose, in part to aid in the design of artificial "noses" that can sniff out odors as well as man's best friend can.

In us humans, the sense of smell is relegated to a small region on the roof of our nasal cavity, along the main airflow path. So the air we smell just goes in and out with the air we breathe. In dogs, about 12 percent of the inspired air, Craven's team found, detours into a recessed area in the back of the nose that is dedicated to olfaction, while the rest of the incoming air sweeps past that nook and disappears down through the pharynx to the lungs. Within the recessed area, the odor-laden air filters through a labyrinth of scroll-like bony structures called turbinates (see Figure 2). Like a whale's baleen sifting out krill, the turbinates sieve odor molecules based on different chemical properties. Olfactory receptors within the tissue that lines the turbinates, in turn, "recognize" these odor molecules by their shape and dispatch electrical signals to the brain for analysis.



*Figure 2: In the rear of a dog's nose lies the olfactory region (yellowish-brown), with its scroll-like tissues bristling with smell receptors. Respiratory regions appear in pink.*

## EXIT STRATEGY

When we exhale through our nose, we send the spent air out the way it came in, forcing out any incoming odors. When dogs exhale, the spent air exits through the slits in the sides of their noses. The manner in which the exhaled air swirls out actually helps usher new odors into the dog's nose. More importantly, it allows dogs to sniff more or less continuously. In a study done at the University of Oslo in Norway, a hunting dog holding its head high into the wind while in search of game sniffed in a continuous stream of air for up to 40 seconds, spanning at least 30 respiratory cycles.

We can't wiggle our nostrils independently. Dogs can. This, along with the fact that the so-called aerodynamic reach of each of their nostrils is smaller than the distance between the nostrils (see Figure 3), helps them to determine which nostril an odor arrived in. This aids them in locating the source of smells—we've all seen dogs on an interesting scent weave back and forth across its invisible trail.

## A SECOND OLFACTORY SYSTEM

On top of all this, dogs have a second olfactory capability that we don't have, made possible by an organ we don't possess: the vomeronasal organ, also known as Jacobson's organ. Located in the bottom of a dog's nasal passage, Jacobson's organ picks up pheromones, the chemicals unique to each animal species that advertise mating readiness and other sex-related details.

The pheromone molecules that the organ detects—and their analysis by the brain—do not get mixed up with odor molecules or their analysis, because the organ has its own nerves leading to a part of the brain devoted entirely to interpreting its signals. It's as if Jacobson's organ had its own dedicated computer server.

## TRACK MASTERS

If dog's basic smelling skills amaze us, what they manage to achieve with those skills is truly astounding.

Take tracking, for example. Deborah Wells and Peter Hepper of the Animal Behaviour Centre at Queen's University Belfast, in Northern Ireland, showed in one study that dogs brought in at right angles to a trail recently walked by a person could determine the direction that person took from as few as five steps. In other words, the first step in the direction the person walked has a little less odor than subsequent steps, because its odor molecules have begun to diffuse into the air. "I find it *really* astonishing, kind of mind-boggling, that they're able to detect such minute odor discriminations," Horowitz says.



As it moves along the ground, the bloodhound's giant, floppy ears help fan up odors to its nose, one reason the breed is the superstar of scent-tracking.

Scent-tracking dogs take such tracking to the extreme, routinely accomplishing remarkable feats in unfamiliar environments and on the trail of unfamiliar people such as missing persons. "It is a really big issue as to how in the heck dogs are doing it, that is, how they are tracking a so-called gradient," Walker says. "They're able to come to a branch point in the woods and say, 'Okay, I think little Sally ran this way. Something happened, and I need to make a decision.' That's pretty amazing if you think about it from an engineering standpoint, because little Sally's odors aren't the only thing there. There's changing wind, changing humidity. There are other odors—a deer defecated over here, and over here there's some urine from a rabbit. And somehow that dog is able to say, 'Yeah, but I'm focusing on little Sally.'"

## OPEN QUESTIONS

Such mysteries are the spice for dog researchers. In a 2003 study, for instance, Wells and Hepper found that dogs led at right angles to a human-laid trail one hour after the trail was walked identified the correct direction of those trails that had been laid from left to right more frequently than those laid from right to left.

"This was an interesting result, and I'm not too sure what is going on here," Wells told me in an email. "It is possibly related to lateral bias—we know that dogs show strong motor preferences, with male dogs using their left paws more than female dogs, who, by contrast, tend to use their right paws more." Some studies on other species show that lateral biases can extend to the olfactory system, she says, and further research is in order with dogs.

## A MARKED MAN

And what of Jones and my friend Burk? When I told Horowitz about my dog's behavior—which always caught me and Burk equally off guard—and I asked why Jones might have done it, she laughed and said, "I cannot tell you. There are some places my science does not go." She could theorize, she said: Dogs mark with urine at places they think a lot of other dogs are going to smell, or maybe because there's something desirable or interesting about that place. Perhaps Burk already smelled pretty fragrantly of something else, she offered.

Regardless of why, I said, Burk should have felt honored by such treatment, right? Horowitz laughed again. "He certainly shouldn't have seen it as an insult," she said. "The dog has *distinguished* you."

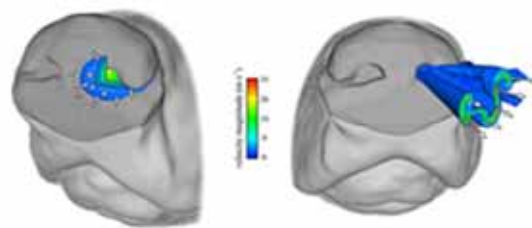


Figure 3: When a dog breathes in (far left), it can tell which nostril an odor arrived in because each nostril's aerodynamic reach (blue) is so small. When a dog breathes out (near left), the expired air blows out the side slits in such a way as to augment the sampling of new odors.

## Proposed Board Meeting Minutes of March 2017

### Great Salt Lake Dog Training Club March 20, 2017 Board Meeting

**Attendance:**

Board Members: Judy Campbell, Wendy & Jeff McCleery, Donna Smith, George & Dorothy Hart, Michelle Larsen, Penny Morrison, Linda McLelland, Catherine Beattie, Mark Kuhn

Excused: Stephanie Evans, Irene Lokcik, Allison Russel, Darlana Quinn, Christine Wright

Guests: Tom McLelland

Meeting brought to order @ 7:40 pm

Minutes of Feb Board Meeting, Donna 1<sup>st</sup>, Michelle 2<sup>nd</sup>, no opposed Minutes approved as written.



**President's Report:**

Absent – Tom spoke on behalf of President. Mentioned he saw a program on Channel 2 Noon News where the Human Society highlights an adoptable dog once a week. Thought it may be a great program to contact them and offer the adopter of the weekly highlighted dog an 8 week course of dog training with the club. Everyone loved the idea, so a Motion was made to find out more information and even if the Human Society would allow something like this. Michelle 1<sup>st</sup>, Penny 2<sup>nd</sup>, no opposed, Motion passed for Tom to find out more information.

**Executive Secretary's Report:**

AKC events files and awaiting all the confirmation letters.

**Home Secretary Report:**

Directories are complete and with Wendy to send to the printers.

**Treasurer's Report**

Everything paid to date.



**Vice President's Report:**

Mar 2017 speaker will be Rick Stanzione speaking on the Police Dog training facility he would like to get built and his reasons behind it.

If anyone has ANY suggestions, topics or persons they would like to see speak/present at any of our General Meetings, Please contact Linda McLelland @ [lmclella@yahoo.com](mailto:lmclella@yahoo.com)

**Show Report:**

Looked at all the current agility equipment and made a list of what will need to be replaced. Basically all should be updated. Now that the AKC has listed the updates a Motion was made to have Jeff look into purchasing the agility equipment that we will need. Michelle 1<sup>st</sup>, Donna 2<sup>nd</sup>, No opposed, motion passed.

**Training Report:**

Next class sign up will be April 5, 2017 and to start April 12, 2017. There will be NO CGC test in March. The next CGC test will be April 26. At 8:30 pm. March 29<sup>th</sup> marks the last night of the 9:15 pm classes. Agility will be moved outside at 7pm, along with any other classes we can weather and daylight permitting.

April class schedule is as follows: 7 pm – current Puppy class with Lisa/Kayla, Agility outside with George, Rally, current Beginning class with Christine/Damon.

7:45 pm New Beginning class with Jeanne, New Intermediate class with Nancy.

8 pm New Puppy class with Wendy – 8:30 pm current Intermediate class with Tom, ongoing Advanced class with Penny, ongoing Conformation class with April.



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**Hospitality:**

Nothing at this time – Lisa Quibill to bring Cookies for March General Meeting.

**Trophy Report:**

Nothing at this time

**Committees:**

Advertising – Website updated

Agility – Nothing at this time

Obedience – looking for stewards for the May obedience and rally trials with the Beehive cluster

Rally –Ditto on above.

Tracking – TDX test April 23<sup>rd</sup>, TD test May 14<sup>th</sup>, VST test Oct 1<sup>st</sup>.

**Old Business:** None

**New Business:** None

**Next Board Meeting:** April 17, 2017 at Linda McLelland's – 7:30 pm

**Next General Meeting:** March 27, 2017 @ Columbus Center Room 101/Gym - 7:00 pm

Motion made to adjourn Tom 1<sup>st</sup> Penny 2<sup>nd</sup>

Meeting ended at 8:50 pm



**Proposed General Meeting Minutes of March 2017**

Great Salt Lake Dog Training Club  
General Meeting  
March 27, 2017



Member Attendance:, Michelle Larsen, Wendy & Jeff McCleery, Donna & Jack Smith, Lisa Quibell, Kim Wabel, Lynn Conger, Stephanie Evans, Penny Morrison, Catherine & Max Beattie, Linda & Tom McLelland, Christine & Todd Wright, Mark Kuhn, George & Dorathy Hart

Board Members Excused:, Darlana Quinn, Irene Lokcik, Allison Russell

Guests: Charlotte Morrison, Taylor Rieben, Charissa Campbell, Cheri Rieben

Meeting to order 7:51 pm after Program Speaker Rick Stanzion

Minutes of Feb 2017 General Meeting, Lisa 1<sup>st</sup>, Kim 2<sup>nd</sup>, no opposed Minutes approved as written.

**President's Report:**

Absent

**Executive Secretary's Report:**

Received a Thank You card from Jann Redding for the plant sent on the death of her husband. Thank you card from St Vincent DePaul gift basket donation for their charity raffle. All ready for the Sept Trials. Judges Hotel will be at the Cottontree. Betty Brask & Jim Hamm for Obedience and Rally Susan Lightinger for Agility.

**Home Secretary's Report:**

Directories are completed and Wendy has them here

A note to all New & current members: You can find a copy of the clubs Constitution and By Laws, along with all meet-  
ing minutes on the clubs website @ <http://gsltdc.com/> under "Members Page".

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**Treasurer’s Report**

Everything paid to date.

**Vice President’s Report:**

Looking for guest speakers for April forward.

If anyone has ANY suggestions, topics or persons they would like to see speak/present at any of our General Meetings, Please contact Linda McLelland @ lmclella@yahoo.com

**Show Report:**

Have been researching several websites, no one has the updated AKC agility equipment as of yet. Will continue to look for them.

**Training Report:**

Next class sign up will be April 5, 2017 and to start April 12, 2017. There will be NO CGC test in March. The next CGC test will be April 26. At 8:30 pm. March 29<sup>th</sup> marks the last night of the 9:15 pm classes. Agility will be moved outside at 7pm, along with any other classes we can weather and daylight permitting. April class schedule is as follows: 5:45 pm – scent work outside, 7 pm – current Puppy class with Lisa/Kayla, Agility outside with George, Rally, current Beginning class with Christine/Damon. 7:45 pm New Beginning class with Jeanne, New Intermediate class with Nancy. 8 pm New Puppy class with Wendy – 8:30 pm scent work inside, current Intermediate class with Tom, ongoing Advanced class with Penny, ongoing Conformation class with April.

**Hospitality:**

Mark Kuhn to bring cookies for the April General Meeting

**Trophy Report:**

Nothing at this time



**Committees:**

- Advertising – Website updated
- Agility – classes outside at 7 pm starting in April
- Obedience - calling for volunteers for stewards for the May Trials in West Jordan
- Rally – Ditto on above.
- Tracking – TDX test on April 23. TD Test premium approved by AKC. VST Test on

Oct 1.

**Old Business:** None

**New Business** None

**Next Board Meeting:** April 17, 2017 at Linda McLelland’s – 7:30 pm

**Next General Meeting:** April 24, 2017 – Columbus Center, Room 101/gym – 7:00 pm

Christine motioned and Lisa Quibell 2nd for meeting to adjourn. All in favor. Meeting adjourned at 8:19 pm.



**Next General Meeting will be held April 24th** at the Columbus Center. 2530 South 500 East— Salt Lake City at 7 pm Room 101 but occasionally moved to the gym.

**Next Class Sign-ups will be May 3rd,** with classes starting on May 10th. At the West Jordan Ar-mory 7 pm—Please DO NOT bring your dogs to sign-up. **ALL current classes are FULL.**

**Membership Directories** are completed and if you haven’t picked yours up at General Meeting or Wednesday night trainings, then they will be mailed to you. PLEASE remember, the directories are for your personal use ONLY! Not to be shared, copied or sold.





## Member's Page

We have BRAGS!!!



**From Judy Campbell:** *The Golden Spike Dog Obedience Club held their annual Obedience & Rally Trials March 24—26 at the Farmington Fairgrounds. 2 of my puppy owners and I have been working really hard with our pups in Rally, to one day enter a trial.*

*Happy to report all 3 puppies earned their Rally Novice Title 3 days before their 1st birthday! 2 of the pups also earned Q's towards their Beginning Novice Obedience Title.*

*L to R—Bret Crowther with Jax, Judy Campbell with Ali, Nicole Chaput with Bewlay*

**From Kim Wabel:** *Kim took Kayla to her first AKC trial and she struts away with her 3 Rally Novice passes in a row for her RN title AND her 1st Companion Dog (CD) pass. Here she is showing off her pretty ribbons.*

**From Kristie Rasmussen: (below)** *So proud of Olivia's CD title with three scores of 198, 196.5 and 198 at the Golden Spike Dog Obedience Club show. Seti winning the run off for HIT with 198.5 from Open B at the Golden Spike Dog Obedience Club Trial with judge Dr. Hallie Ray. Olivia's first High in Trial at the Silver State Kennel Club Trial in Las Vegas with a 198.5 under judge Marina Pavlovsky*



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Please send submissions and Letters to the Editor, Judy Campbell 14008 Point View Court, Draper, UT 84020 or E-mail wasatchmntvizslas@gmail.com For address changes, please notify Judy Campbell, at above.

website: www.gsldtc.com

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