



A Letter From The President

July/August 2010

Hello fellow KCVMA members! I hope this July/August issue of news and notes finds you doing well and enjoying the long hot days of summer! Life has been good in Liberty. We have had the chance to see some really interesting cases. You will find a case study on page three from our clinic (Veterinary Center of Liberty). Take a look at the radiograph at the bottom of this page and see if you can identify the disease process before reading the case study!

We encourage you to attend our 2010 KCVMA family social, set for Sunday, September 26. This year we'll visit the Shatto Dairy in Osborn, Missouri, which is about 35 miles north of Kansas City. It would be a small road trip, but we think it will be great fun for the entire family. The event begins at 10:30 a.m., before it gets too hot. And being September, it should be a very pretty drive! Shatto Dairy is usually closed on Sundays, but they have agreed to accommodate us because they know Sunday is often a day we do not spend entirely at our clinics.

The dairy owners will provide a four-part tour especially for our group. The morning will consist of:

1. Tour the milking barn
2. Visit and pet the calves, milk a cow
3. Learn how Shatto milk is processed
4. Taste test the 5 flavors of Shatto milk

My goal is to have 100 people attend the social! The more the merrier. There is no limit to the number of people a KCVMA member can bring! So bring your family, bring your technicians and their families, and bring your support staff and their families! We want to make the 2010 social a success and we need your help! The dairy would like a rough head count so we are asking for RSVPs. Please email: wgeis@kcvma.com.

May and June featured two wonderful CE meetings! During May's meeting, Dr. Byron Blagburn from Auburn University educated us on Vector Borne Diseases. It was a very well attended meeting! In June Dr. Fred Winger from MU spoke about neurology in general practice.

We have disappointing news for those of you waiting for CE certificates and hours from March's meeting with Dr. Michael Dryden. In planning for this event, getting CE credit approval slipped through the cracks. We tried to obtain credit after the fact but we were denied. Therefore, we are unable to provide certificates or credit hours for the March CE event. We are truly sorry for the inconvenience this mistake has caused. We have scheduled an additional CE event for August 19th to give you an opportunity to make up the hours. Dr. James Marshall will be joining us to discuss Heartworm Disease. Please check the newsletter insert for details, and watch for updates via fax and e-mail.

A few dates to remember:

- August 1: Veterinary Accreditation deadline
- August 12-22: Missouri State Fair in Sedalia
- August 19: KCVMA Continuing Education Event
- August 28-31: CVC in Kansas City
- September 10-19: Kansas State Fair in Hutchinson

Until the next newsletter! Enjoy your summer!

Darwin M. Jones, DVM



Case Study: What's your diagnosis? See page 3

WILDLIFE RESCUE TO TAKE YEARS IN AFTERMATH OF ONGOING OIL SPILL

BY: JEN NIGRO

More than two months after a massive oil slick began spreading through the Gulf of Mexico, wildlife rescue efforts are ramping up. The Deepwater Horizon, an oil rig owned by BP, exploded on April 20, then sank April 22. According to a June 20 *Wall Street Journal* article, scientists estimated the leak was putting out between 35,000 and 60,000 barrels a day. While the U.S. Fish and Wildlife Service concentrates on rescuing affected wildlife, Tri-State Bird Rescue and Research in Newark, Delaware is heading up the wildlife rehabilitation effort. Its experts first arrived on the scene April 26, and began working with BP, the U.S. Coast Guard and the U.S. Fish and Wildlife Service to assess the situation. Over the last several weeks, rescuers have been patrolling the shoreline looking for oiled animals. They have a vast area to cover as they search for victims in Alabama, Florida, Louisiana, Mississippi and Texas. As of June 20, recovery teams had collected 1,627 birds, 494 sea turtles, 50 mammals (including dolphins) and one other reptile. Louisiana's bird and mammal populations have been the hardest hit so far, along with Mississippi's sea turtle population. While many have died, experts are still working to identify the cause of death, and say some will have died of natural causes.

Dr. Sharon Taylor is a wildlife veterinarian and a Contaminants Division Chief with the U.S. Fish and Wildlife Service. She received her DVM from Kansas State University in 1991. While she is based in Carlsbad, California, she is one of many experts who have already been in the field helping with the wildlife recovery effort. She has already spent six weeks in Louisiana, where she was responsible for coordinating wildlife veterinarians across the spill area, and just returned for another 30 days. While there she also serves as a law enforcement liaison, works with the morgue and coordinates bird release efforts. Dr. Taylor says it's already clear that the spill will have long-term and far-reaching effects on wildlife in the spill area. "This is unprecedented in both the quantity of oil across the Gulf and the use of dispersants to try to break it up, which has its own toxicological effects. So it's ecologically devastating, it's massive and it's nowhere near an end yet." While Dr. Taylor coordinates with veterinarians work-

ing on sea turtles, dolphins and other sea mammals, she herself primarily works with migratory birds. Each bird treated must go through a lengthy cleanup process. It starts when bird teams and shoreline teams net affected birds and transport them to a triage stabilization center. Once there, birds are given fluids and veterinarians stabilize their body temperature. "If they've been out on the ocean they may be hypothermic because feathers clump up and they lose their temperature regulation," says Dr. Taylor. "If they're on the beach down in Louisiana, they can get sunburned and get too hot." Stabilization takes anywhere from a couple of hours to a day. From there, the birds go to the washing center. Once again, they must be stabilized before they can go through the 30 to 40-minute washing process using Dawn dish detergent. The birds start in a tub containing a 4% solution, eventually progressing to a 2% solution. Then it's off to the drying room where their body temperatures are allowed to return to normal. Once dry, the birds are moved to outside preening pens. They spend the next four to ten days realigning their feathers and regaining natural waterproofing abilities. The washing facility can hold hundreds of birds at any given time.

Once clean, the birds must be released back into the wild. This is done using the U.S. Coast Guard's newest plane, the HC-144A Ocean Sentry. This plane in particular allows recovery teams to transport larger numbers of wildlife with shorter transit times, minimizing additional stress on the birds. With oil still spilling from the well, this can get tricky. "You have to look at where is the species range, where is the oil trajectory, and try and pick the next best place that you potentially can," says Dr. Taylor. Teams began by flying birds to the west coast of Florida. A change in the trajectory then pushed them to Florida's east coast, and they are now taking cleaned birds to south Florida and south Texas. "We release them onto national wildlife refuges so they at least initially go out onto a protected area," says Dr. Taylor. She says releasing the birds into protected areas also allows for continued monitoring so scientists can see how the oil spill affects future generations. "We're not going to know the effects for years and years because you lose the offspring of the wildlife



Image 1: Dr. Sharon Taylor of the U.S. Fish and Wildlife Service and U.S. Coast Guard Petty Officer 3rd Class Andrew Anderson observe a sea turtle aboard a U.S. Coast Guard HC-144A Ocean Sentry aircraft, May 30, 2010. The turtle was found stranded on Louisiana's coast and transported to Florida for release. U.S. Coast Guard photo by Petty Officer 2nd Class Luke Pinneo. Image 2: Oiled Pelicans at the Ft. Jackson, Louisiana Rehabilitation Center. Photo by Sharon K. Taylor. Image 3: Dr. Sharon K. Taylor, Wildlife Veterinarian, U.S. Fish and Wildlife Service holding an oiled Pelican that is being tube feed at the Ft. Jackson, Louisiana Rehabilitation Center. Photo by Wesley Verril, USFWS.

that die, then you lose multiple years of reproduction in the lost offspring,” she says. “It’s going to be an incredibly long time for the ecosystem to get back to where it was.”

While many have been moved to volunteer their time to help, the American Veterinary Medical Association warns against going to the Gulf Coast on your own. Instead, you are advised to register for the American Association of Zoo Veterinarians’ (AAZV) database of volunteers (visit www.avma.org for more information). Dr. Taylor says while registering for a Para professional database is the right way to get involved, the agencies handling the wildlife rescue are not currently looking for help. “They’re actually requesting that we don’t have people down there partly because of licensure. Right now we have it covered,” says Dr. Taylor. Instead, she recommends veterinarians who want to help look for ways to help with smaller-scale problems in their own communities by contacting their local wildlife and rehabilitation centers and animal shelters. She says those who want to be prepared to help with larger disasters should go through Hazardous Waste Operations and Emergency Response (HAZWOPER) training. “You have to be HAZWOPER trained in order to deal with any contaminant issues on a spill or in order to handle oiled birds. We want people to be protected.”

For continued updates on wildlife rescue efforts along the Gulf Coast, go to www.tristatebird.org.

CASE STUDY: HYPERTROPHIC OSTEOPATHY

BY: ANDREA GROW, DVM

“Whisper”, a 10-year-old spayed female beagle, was referred to our clinic (Veterinary Center of Liberty) for evaluation of weakness and discomfort in the rear legs and back. The owners had noticed a slow progression of weakness, discomfort, decreased mobility and difficulty/reluctance to walk for approximately one month. Physical examination revealed decreased musculature of the rear legs along with a generalized loss of lean body mass. A painful response was elicited on flexion/extension of coxofemoral joints bilaterally. Spinal and pelvic radiographs revealed periosteal irregularities along the diaphysis of both femurs and the surfaces of the pelvis. Symmetrical bony proliferation along the cortices had a scalloped and lacy appearance. Thoracic radiographs revealed numerous pulmonary masses. Abdominal radiographs appeared normal for age and breed.

The bony abnormalities described were suggestive of hypertrophic osteopathy (also known as secondary hypertrophic osteopathy, hypertrophic pulmonary osteopathy). Hypertrophic osteopathy (HO) is considered a paraneoplastic syndrome that develops in conjunction with intrathoracic or intraabdominal disease, most often neoplasia. Of 180 canine cases, 98% had intrathoracic disease, and 92% of these had either metastatic lung neoplasia or primary tumors of the lung (Ettinger). Tumors associated with hypertrophic osteopathy include pulmonary adenocarcinoma, bronchoalveolar carcinoma, squamous cell carcinoma, esophageal sarcoma, nephroblastoma and urinary bladder neoplasms. Less common underlying etiologies include pneumonitis/pneumonia, abscesses, fungal granulomas, endocarditis and heartworm disease.

Clinical signs associated with limb changes often precede signs of thoracic disease. The patient usually develops firm, warm or painful, nonedematous swelling in all four limbs. Affected animals are often stiff and reluctant to move, which may be mistaken for osteoarthritis.

Diagnosis of hypertrophic osteopathy is made by demonstrating a primary lesion in the thorax or abdomen along with characteristic changes of the appendicular skeleton. Skeletal pathology includes changes in bilateral symmetry, periosteal proliferation and scalloped or lacy irregularities of the bone cortices. These lesions are not to be confused with the bony metastasis of a primary tumor.

The exact pathophysiology of hypertrophic osteopathy is unknown. Research suggests a neural reflex originating in the thorax that causes increased blood flow to the distal extremities, which in turn causes the overgrowth of connective tissue at the level of the periosteum. Regression of the osteopathy may follow the removal of the source of this neurological and vascular stimulation.

Treatment of hypertrophic osteopathy is to identify and treat the underlying pathology if possible. Resection of the primary lesion or tumor, lung lobectomy, intercostals nerve resection, subperiosteal rib resection and vagotomy have been described in veterinary literature. Supportive therapies for hypertrophic osteopathy include prednisone or other non-steroidal anti-inflammatory agents to palliate the clinical signs and reduce inflammation. Chemotherapy with cisplatin has been mentioned in the literature, but its efficacy has not been proven (ACVIM 2008).

The above information and options for supportive care were discussed with the owners. Considering the poor prognosis and age of the dog, the owners elected humane euthanasia.

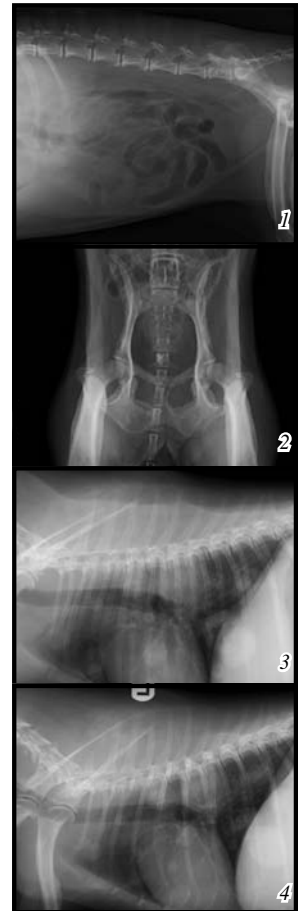


Image 1: Lateral abdomen – note the periosteal changes on the femurs and pelvis. Image 2: Ventrodorsal pelvis – note the periosteal changes on the femurs and pelvis. Image 3 & 4: Lateral thorax (right and left) – note multiple pulmonary masses; note periosteal changes on distal humerus.

BUILT ON THE SHOULDERS OF VETERINARY GIANTS

Veterinary Leaders in Kansas City (Part Four of Six)

A Dynamic Champion of the Veterinary Practitioner

BY: STEVE JOSEPH DVM – HISTORIAN

This year's historical articles consider veterinary leaders who have made their mark in Kansas City and nationally. All were Presidents of the AVMA.

In this issue we look at the contributions of the fourth President associated with Kansas City, Abner H. Quin (1896 – 1970). He preferred to be called "Ab". Dr. Quin has been described as a "common sense, direct and assertive veterinarian". He got his point across with colorful language. Simply stated, he was an LBJ sort of a guy.

Dr. Quin graduated from the Chicago Veterinary College in 1920 and entered private practice in Iowa. Later, he was involved with Foot and Mouth Disease in California with the government. He worked with Fort Dodge Animal Health as a field veterinarian and later was Vice President of Jensen – Salsbery Laboratories in midtown Kansas City in a building listed as a National Historic Landmark.



Although his practice experience was limited, Dr. Quin was a dynamic champion of the private veterinary practitioner. It has been said that he was a dedicated mentor of younger veterinarians. However, it was his tough love approach to these youthful practitioners that helped to build great character in them.

Like other AVMA Presidents from Kansas City, Dr. Quin was a prolific writer and speaker. He penned a regular column in *Veterinary Medicine* titled "Quin's Corner" where he took on medical issues as well as other issues of the day (much like RMM) that impacted veterinarians young and old.

In 1951, he received the AVMA Outstanding Service to the Profession Award. Later, he was named Missouri Veterinarian of the Year in 1958. Dr. Quin served as AVMA

President from 1954 to 1955.

Dr. Quin died in Florida in 1970 after retiring from a distinguished career in veterinary medicine. He was 74.

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A few months ago, this column carried an article about Dr. "Mac" McCann titled *Memoirs of a 93-Year-Old Vet*. Well, Dr. McCann is now 94 and is carrying on an active life in Leawood, KS. In that article, I wrote that Dr. McCann was the oldest of three living graduates from the Iowa State University CVM Class of 1947. Since then, the other two classmates have passed away. Dr.

McCann was able to visit his best friend in the class who lived in Oregon before his classmate's death.

August 2010 Continuing Education Event

Speaker: Dr. James Marshall
Topic: Heartworm Disease: Separating Fact from Fiction
Date: Thursday, August 19, 2010 (3rd Thursday of the month)
Location: Saint Joseph Health Center's Community Center for Health & Education, Community Meeting Room
I-435 & State Line Rd., Kansas City, MO

Time: Dinner: 6:30pm, Seminar: 7pm
CE: 2 hours
Fee: No fee to attend this event. Current membership dues cover all CE.
Sponsor: Merial



KCVMA SOCIAL EVENTS

2010 Family Social with the KCVMA

Shatto Dairy in Osborn Missouri
September 26, 2010 from 10:30 a.m. until noon



The Shatto Milk Company had its beginnings three generations ago. George and Minnie (Porter) Winstead purchased the land north of Kansas City in the 1800s following their marriage and began farming it. It passed down through the generations, and 60 years ago, the family started a dairy farm. In 2003, following several years of uncertainty over the farm's future, Barbara and Leroy Shatto found a solution. Their lengthy investigation into the feasibility of bottling their own milk showed good potential for success. On June 4, 2003, the Shatto Milk Company came into being, delivering fresh milk to less than ten stores in the Kansas City area. Today their milk is available at nearly 70 stores in Kansas and Missouri and they have added ice cream, fruit punch and other products to their list of offerings.

Join us for the KCVMA social at Shatto Dairy on September 26 and get a look behind the scenes of this family operation and get a taste of the success this homegrown business has cultivated over the years. Remember to RSVP to wgeis@kcvma.com to reserve your place on the tour!

Events:

Pet a calf, Milk a cow, Learn about Milk Processing, Taste the flavors of Shatto Milk, Visit with your fellow KCVMA colleagues

Please RSVP by September 19th to wgeis@kcvma.com

IN APPRECIATION

Kansas City Veterinary Medical Association,

I am so honored to be the recipient of the KCVMA Award for Proficiency in Radiology. Thank you! Not only does it help alleviate some of the financial burden but helps make all the hard work and exhausting days seem worth it when you get recognized! When I chose K-State for Vet School, I was terrified for both the curriculum and adjusting from the city (Detroit, Mich.) to Kansas. I wasn't wrong about the challenges of the curriculum but I couldn't be happier about choosing K-State. It has helped make me into the person I am today and the veterinarian I will strive to be.

Thank you again for this award. I am so thrilled.

Sincerely,

Bridget Garrity



Kansas City Veterinary Medical Association,

It was a proud moment to accept the Compassionate Animal Care Award. Kindness and compassion are important in my life. Striving to live up to this Award will always be important to me. I look forward to my veterinary career and a long relationship with the KCVMA.

Respectfully,

David W. Conner



CLASSIFIED ADS

Send your classified ads to: Wanda Geis, PO Box 12468, Shawnee Mission, KS 66282-2468 or fax them to her attention at 913-341-4225. Ads must not be over 100 words in length. Classified ads will be run at the sole discretion of the editor and may be edited for content. Deadline for the next newsletter is 8/13/10.

Vet Tech position available at Westwood Animal Hospital. Busy full-service practice in Kansas City area. Call 913-362-2512 or e-mail resume to wayneh42@aol.com. www.westwoodanimalhospital.com for more info.

Bannister Veterinary Clinic is looking for a **PT Vet and Vet Tech** to join our fun, hard working team. If interested, please call Dr. Norris or Danny at kklmnorris@yahoo.com, Office# 816-765-7979 Fax#816-767-1016 www.bannisterveterinaryclinic.com

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