



# KVMA Kentucky Veterinary News

FALL 2019

*KVMA Mission: To Promote, Improve, and Advocate for the Veterinary Profession*

K E N T U C K Y   V E T E R I N A R Y   M E D I C A L   A S S O C I A T I O N

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Medical Association

Dr. Kristan Hodges,  
Editor

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[www.kvma.org](http://www.kvma.org)

## MARK YOUR CALENDAR!

October 4 - 6, 2019

The Galt House Hotel,  
Suite Tower, Louisville, KY  
108th Kentucky Veterinary  
Medical Association  
Annual Meeting and  
46th Mid-America  
Veterinary Conference



## KVMA WORKING FOR YOU



l-r: Debra Hamelback, Dr. Jim Weber and Dr. Frank Vice shown following one of their many meetings with legislative leaders in Washington D.C.

Debra Hamelback, KVMA Executive Director, Dr. Jim Weber, KY's Delegate to the AVMA House of Delegates, and Dr. Frank Vice, Kentucky's Alternate Delegate to the AVMA House of Delegates visited The Hill on Thursday, August 1st while attending the AVMA Conference in Washington D.C. Debra, Dr. Weber and Dr. Vice visited Senators Paul and McConnell and Congressmen Massie and Barr's offices to speak about the importance of National Bills that will also affect Kentucky.

Said Hamelback, "I believe that we had very productive discussions on behalf of our Veterinary Industry and our concerns regarding the following bills:

- Support - Veterinary Medicine Loan Repayment Enhancement Act (S. 1163/ H.R. 2741)
- No Support - Fairness to Pet Owner Act (S. 1290/ H.R. 1607)
- Support - Association Health Plan (S. 1170/H.R. 2294)"



KVMA delegates met in Senator Rand Paul's office with members of the Senator's staff, Agnes Rigg and Zack Bennett, to present items of discussion which will affect Kentucky.

l-r: Ms. Rigg, Dr. Jim Weber, Mr. Bennett, Debra Hamelback and Dr. Frank Vice.

**MID-AMERICA UPDATES:** On-site registrations will be accepted!  
See the schedules, topics and more on pages 24-29 in this issue.

## PRESIDENT'S MESSAGE



Hello Colleagues and Friends,

Welcome to the Fall Kentucky Veterinary Medical Association Newsletter. Thank you for being a member of this great group of veterinarians from across the Bluegrass and beyond.

I trust you've had an amazing year thus far. With summer drawing to a close and the days getting shorter our thoughts are drawn to back to school activities and holiday celebrations just around the corner. In very short order we will also have our annual meeting, the Mid-America Veterinary Conference from October 4 to 6. Our newest class of the Power of Ten will begin during the Mid-America Conference as well. Also, be sure to mark your calendar and attend our Annual Business Meeting on Saturday October 5 at noon.

Throughout the year we have been increasing our direct communications to you; if you are not receiving the KVMA e News or emails from our Executive Director, Debra, please double check your contact information. The Kentucky Veterinary Medical Foundation Sporting Clay Fundraiser was another huge success. Our next KVMF event will be the silent and live auctions at the Mid-America Conference.

Our KVMA website is updated and live. Go and check out the site at [www.kvma.org](http://www.kvma.org). On the website you will find news and information about our Mid-America Veterinary Conference and other CE events; the career network has job and externship postings; your KVMA leadership team are listed and current and previous newsletters are available for view/download. There is a ton of information on the site and it will be continually updated; if you have thoughts or suggestions please send them our way.

Each of the amazing updates and events listed above come to you with the help of an engaged and enthusiastic group of volunteer leaders; please help me and thank our KVMF and KVMA Board Members, Conference Committee and Working Group Members.

Have a safe and fabulous fall,

A handwritten signature in black ink that reads "Jennifer K. Quammen DVM, MPH". The signature is written in a cursive, flowing style.

Jennifer K. Quammen, DVM, MPH  
KVMA President

### **Update your contact for the Kentucky Board of Veterinary Examiners**

The Kentucky Board of Veterinary Examiners (KBVE) has launched a new website. Please update your personal bookmark(s), and any links located on your organization's website to

**[kybve.com](http://kybve.com).**





*Please join the KVMA in welcoming Dr. Smith to the KVMA Board.*

### Dr. Tammy Thomason Smith

As long as I can remember, I knew my career path would lead to veterinary medicine. Not once have I regretted that decision. I'm a Louisville native, completed my pre-veterinary studies at Western Kentucky University, and am a 1993 graduate of Auburn University—War Eagle! In 1996, my husband and I founded Knox County Veterinary Services, Inc. in Barbourville where we practice primarily small animal medicine. I have a strong commitment and pride in both my personal and professional communities. With the quickly changing culture of today's veterinary profession, now more than ever, I feel it's important to participate and contribute to our local organizations and I welcome the opportunity to with the KVMA Board. ♦

## AUBURN CVM MEETING IN FRANKFORT, KY



Back Row: David Maples, Joe Bilby, Dr. Jim Weber, Dr. Doug Peterson, Jeff Harper, Dean Dan Givens- Auburn, Dean Calvin Johnson- Auburn, Dr. Aaron Goodpaster  
Front Row: Keith Rogers, Debra Hamelback, Judy Taylor, Dr. Jennifer Quammen, Dean Nancy Cox-University of Kentucky, David Switzer, Chauncey Morris

Dean Johnson and Dean Givens visited Frankfort, Ky., on June 4th to present to the 2019 Interim Joint Committee on Appropriations and Revenue Cabinet. They spoke on "An Enduring Relationship between Kentucky and Auburn for Veterinary Medical Education." Present were over 30 current Auburn Veterinary students, several KVMA Board members and Agricultural Industry Executives. The Legislators learned about the importance of maintaining the funding and value of the 68-year relationship between Kentucky and Auburn College of Veterinary Medicine. ♦



## GET READY TO BID AT THE KVMA FOUNDATION AUCTION AT MID AMERICA!

Get ready to bid on some wonderful items during the KVMA Foundation's silent and live auctions held during the Mid America Veterinary Conference! Among the items is this ONE OF A KIND stained glass window created by our own past Executive Director LOUISE COOK! If you would like to donate items to the auction, please contact the KVMA office. Get creative... artwork, trips, gift cards, you name it! All proceeds go to support the KVMA Foundation. ♦



Greetings KVMA Members,

As the KVMA Mid-America Veterinary Conference draws near, I find myself reflecting on this past year and the many accomplishments with the help of many people. My transition has been a wonderful experience with longtime Executive Director Louise Cook who has been a great teacher and KVMA resource.

The KVMA Foundation is a dedicated group of involved people who care deeply about the KVMA Association and its future. The KVMA Foundation Board approved a full remodeling of the KVMA office and is now currently leasing out half of the LaBore Building - home to the KVMA Office. Our door is always open to you.

The KVMA Executive Board has been a tremendous resource, volunteering their time to help you and your profession. They work on many issues that arise on a daily and weekly basis, and some are highlighted in this newsletter. We have many proud accomplishments, but the profession is not without its challenges. Many of these challenges are being discussed and presented at this year's Mid America Veterinary Conference. Please look inside this newsletter for the full conference schedule. On-site registrations will continue to be accepted.

I enjoy working with our KVMA members and I am always available for questions and to be a supportive resource for all members. I hope many of you visited our new website at [www.kvma.org](http://www.kvma.org). If you are not seeing something you feel could be beneficial, please notify us and we will look into your suggestions. Please reach out anytime to your KVMA office and we encourage you to get involved with your local Kentucky regions and our state KVMA association.

I look forward to seeing many of you in Louisville at the KVMA Mid-America Veterinary Conference!

Kind Regards,

A handwritten signature in black ink that reads "Debra Hamelback".

Debra Hamelback  
KVMA Executive Director

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**Dr. Brigette Dean-Hines**  
Nominee for 2019-20 KVMA Secretary/Treasurer

I have been practicing as a solo mobile small animal vet for 5 years. My interest in “the other side” of being a vet began when I participated in Kentucky’s Power of Ten Leadership program. Not only did I meet new people and professionals who I now consider dear friends, colleagues and mentors, but I also developed my own interest in improving upon our profession for future generations. I am proud to be able to do what I do everyday and I think that is important for young people to see, know and hear.

Dr. Dean-Hines is the standing KVMA Secretary/Treasurer ♦



**Dr. Jason L. Rodgers Jackson Purchase VMA**  
Nominee for 2019-20 KVMA Vice President

Dr Jason L. Rodgers was born and raised in Western Kentucky. He developed an early interest in veterinary medicine while working on his family farm. He received a bachelor of science in agriculture from Murray State University in 1995. He obtained his doctor of veterinary medicine degree from Auburn University in 2000. He now practices at Lone Oak Animal Clinic in Paducah Kentucky where he has been since graduation. Dr Rodgers feels that being on the Executive Board of the KVMA is important as it serves as a voice for the Kentucky veterinary community. ♦

## MID AMERICA VETERINARY CONFERENCE UPDATES

### On-site Registrations!

If you just discovered you are now free the first weekend in October, come on to Louisville! We will be taking on-site registrations for the conference. Be sure to check the schedules located in this issue for the most up-to-date topics! You can also still register on-line at [www.kvma.org](http://www.kvma.org) ♦

### Don't miss this on your Louisville visit!

#### **The St. James Court Art Show will be going on October 4, 5 & 6, 2019.**

During this three-day event you'll find delightful works of art in 17 artistic mediums, from clay to wood, lovingly created by over 700 talented artists. With so much to choose from, you're sure to discover your next must-have treasure. If you are in need of refreshment during your search, just stop at one of our food vendors for a rejuvenating snack and beverage. Hours are Friday & Saturday 10am–6pm, Sunday 10am–5pm. Located in Historic Old Louisville, the St. James Court Art Show is one of the top Fine Art and Contemporary Craft Shows in the country! Free Admission. Rain or Shine. No pets allowed. Find out all the details at [www.stjamescourtartshow.com](http://www.stjamescourtartshow.com) ♦





# THE HOTTEST SUMMER

by Amanda Cvangros, Tuskegee University CVM, Class of 2020

As a fourth-year veterinary student, we were allowed to go on externships for the summer. One of the most prevalent diseases we saw was also one of the easiest to prevent: heartworm disease! Heartworm disease is a serious condition that results in severe lung disease, heart failure, and more organ damage. It eventually can result in the death of dogs, cats, and even ferrets.

The parasite responsible for this damage is called *Dirofilaria immitis*. These worms are spread through the bite of a mosquito. The life cycle begins when a mosquito bites an infected dog.

That mosquito then becomes an intermediate host for the parasite, having picked up an immature stage of the parasite in its blood meal. That stage develops further in the mosquito and when the infected mosquito then bites another dog, it spreads the larvae through the bite wound. In the newly infected dog, it takes around 6-7 months for the infective larvae to mature into an adult heartworm. These adult females and males release their offspring into their bloodstream and perpetuate the disease. Even though heartworm disease is not directly contagious, it is still very deadly.

The severity of heartworm disease is relative to how heavy an infection is inside the dog, how long they've been infected, and if the dog's body is responding to the presence of heartworms. The dog's activity level also plays a key role in the severity of disease/clinical signs. There are four classes of heartworm disease---the higher the class, the worse the disease presents.

- Class 1: no clinical signs or a mild/occasional cough
- Class 2: mild-moderate clinical signs: occasional cough, lethargy after moderate activity
- Class 3: loss of body condition, persistent coughing, lethargy, trouble breathing. Heart and lung changes are seen on chest x-rays.
- Class 4/caval syndrome: heavy worm burden in the blood flowing back to the heart that is blocked by the heartworms. This is life-threatening and quick surgical removal of heartworms is the only treatment option – even with surgery, most dogs will not survive.

**Heartworm  
prevention  
should be started  
in puppies  
as young as  
eight weeks  
of age.**

Dogs are typically tested for heartworms on their annual examinations when they are due for vaccinations. Often times clients will decline these diagnostic tests because they believe their indoor dog is not exposed to mosquitos and therefore unable to contract the disease. That is not the case! Mosquitos can get in the house! Heartworm proteins can be detected around 6 months after the dog is bitten by an infected mosquito. Another test that can be done is a microfilariae blood smear to identify yet another stage of the heartworms. Certain factors play into when dogs should be tested for heartworms: the dog's age when heartworm prevention is started, if the owner skipped a monthly prevention (and for how long), if the dog switched to different preventatives, and travel to heartworm prevalent areas. Dogs seven months and older should be tested for heartworm disease. However, prevention should be started in puppies as young as eight weeks of age.

If your dog is heartworm positive but prevention is still being given, the dog will remain infected with adult heartworms and eventually develop clinical signs. Heartworm prevention does not kill adult heartworms! Annual testing of all dogs on prevention is still required for the prescription of the monthly preventatives. The treatment for heartworm disease is a long and expensive road that includes a series of medications involving melarsomine dihydrochloride (Immiticide/Diroban). This is FDA approved to kill adult heartworms in dogs. Melarsomine is given via deep muscle injections to treat dogs with classes 1-3 of heartworm disease. During these series of injections, dogs will also be prescribed heartworm prevention and doxycycline. Treatment also includes strict cage rest, which is often times very difficult for owners to control.

The treatment for heartworm disease is not easy on the dogs or the owner's bank account. There are many complications that can occur, so ensuring your pet is on proper prevention is very important, even in the winters and if your dog is indoors during mosquito driven months. The best treatment is prevention! ♦

**From the Director's Desk**  
**Craig Carter, DVM PhD Dipl. ACVPM**  
**UK Veterinary Diagnostic Laboratory (UKVDL)**  
**Department of Veterinary Science,**  
**College of Agriculture, Food &**  
**the Environment, Lexington, KY**

In light of the risk for algal bloom on Kentucky ponds this time of year that can cause illness and death in animals and humans, we are printing this contribution from Dr. Megan Romano, Toxicology Resident, and Dr. Cindy Gaskill, Head, Clinical Toxicology here at the UKVDL.

## **Blue-green Algae: Dangerous to Pets and Livestock**

Dr. Megan C. Romano  
 Veterinary Toxicology Resident  
 University of Kentucky Veterinary  
 Diagnostic Laboratory

Blue-green algae, also called cyanobacteria, are microscopic organisms normally present in aquatic ecosystems, including lakes and ponds. Thousands of species of blue-green algae have been identified; at least 80 are known to produce toxins that can cause illness and death in animals as well as humans. Heavy growth of these toxin-producing algae ("blooms") can cause high concentrations of toxins in the water. In North America, Anabaena, Aphanizomenon, Oscillatoria, and Microcystis are the species of blue-green algae most commonly associated with poisoning.

## ***If alcohol, drug dependency or thoughts of suicide are a problem***

in your life or the life of a loved one or colleague, perhaps it's time to talk with someone who understands and can help.

### ***Voluntary and Confidential. Please contact:***

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Dr. Roy B. Burns - (502) 848-2043

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Dr. Michael O'Bryan - (270) 547-0415

e-mail: [drmaobryan@yahoo.com](mailto:drmaobryan@yahoo.com)

In central Kentucky, blooms are most common in late summer and early fall, during hot, sunny weather. Contamination of water with excess nutrients, particularly nitrogen and phosphorus, further encourages algal growth. Common sources of excess nutrients include fertilizer runoff from fields, lawns, and gardens, and direct manure and urine contamination from livestock.

Blooms can produce a blue-green sheen on the water surface, or they can be pea-green and thick, like spilled paint. In addition to blue and green, blooms can also be brown or white. They can form scums, slimes, or mats. It is impossible to tell if a bloom is toxic just by its appearance – ALL blooms should be considered potentially toxic.

Blue-green algae can produce neurotoxins (affecting the nervous system) or hepatotoxins (causing liver damage), and some species can produce both types. Neurotoxins can cause muscle tremors, seizures, excessive salivation, diarrhea, difficulty breathing, and death within hours or even minutes of exposure. Hepatotoxins cause vomiting, diarrhea, bloody or dark stool, and pale or jaundiced (yellow) mucus membranes. Animals can die quickly, or they can develop liver failure over several days.

There are no antidotes for blue-green algae toxins, so early decontamination and supportive care can mean the difference between life and death for an exposed animal. If your pet develops these or any other signs after a recent exposure to water, seek immediate veterinary care. It is important to note that this includes exposure to water with no obvious algal bloom. Toxins can persist in the water for a week or longer after the bloom itself has collapsed.

## **Preventing blue-green algae poisoning in pets and livestock:**

- Provide plentiful clean, clear, fresh water for your animals. Keep water bowls, buckets, and troughs clean and well-maintained.
- NEVER let your pets (or children) swim in, play in, or drink water that is discolored, slimy, scummy, or otherwise suspicious. Assume any bloom is toxic.

*Continued on pg. 8*

**It is impossible  
to tell if a bloom  
is toxic just  
by its appearance.  
ALL blooms  
should be  
considered  
potentially toxic.**

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- Pay attention to local health and water advisories and respect any water body closures. Water that appears clean can still contain high concentrations of toxins.
- Fence off farm ponds, creeks, and other natural water sources to prevent livestock from contaminating them as well as drinking from them.
- Fence off backyard ponds and other natural water sources to keep pets from accessing them.
- Prevent fertilizer and/or manure from running off into water sources.
- If your pet does access suspicious water, thoroughly wash them with clean, fresh water and prevent them from licking their fur. Wash your own hands and arms after washing your pet, as exposure to blue-green algae can cause skin, eye, nose, and throat irritations in humans.
- If animals become ill after exposure to a pond, lake, or other natural water source, seek immediate veterinary care – even if the water appeared clean, toxins can still be present. Be sure to tell your veterinarian if your animal might have been exposed to blue-green algae. This can help direct treatment, as many other illnesses can have similar signs. ♦

## Epizootic Hemorrhagic Disease (EHD): An applied review

Cleon G. Hendricks, DVM, MPH, CPH; Johna K. Veatch, MS, DMV, PhD

### Summary:

This case report summarizes the history, necropsy findings and ancillary testing performed on the first confirmed 2019 case of Epizootic Hemorrhagic Disease Virus, in Western Kentucky.

### Introduction:

Epizootic Hemorrhagic Disease Virus (EHDV) is a vector borne orbivirus transmitted by *Culicoides* spp. midges. After entry, the virus replicates in macrophages and takes residence in the spleen, where it continues to replicate in endothelial cells, resulting in vascular damage and infected leukocytes (Terio et al, 2018). As the infection progresses, multisystemic hemorrhage ensues, resulting in thrombosis and necrosis of organs. Upon microscopic examination, hemorrhage in the tunica media of the pulmonary artery is considered pathognomonic for this disease. Animals lucky to survive the initial infection could develop chronic disease resulting in hoof abnormalities, such as cracking or sloughing, in addition to muscle atrophy and damage to the rumen. (Stasiak, 2017; Terio et al, 2018). Suspected cases should be

reported to the State Veterinarian. The following case describes a subject with early signs of viremia.

### Case History:

A 2-year-old, well-conditioned, farm raised doe was submitted for necropsy after humane euthanasia, due to dyspnea. The farmer reported a loss of two deer prior to this doe, but did not provide a time frame between the mortality of the previous deer and the morbidity of the doe submitted. To the authors' knowledge, no other deer housed with the submitted doe displayed any signs of illness at the time of submission.

### Necropsy:

Post mortem autolysis was mild at the time of necropsy. No external lesions were noted. The thorax contained nearly 500ml of serosanguinous fluid. Lungs were noted to be edematous, congested, and heavier than expected for the species. On cut section, increased serosanguineous material exuded from the tissue. No parasites were noted in the airways; pulmonary vasculature and great vessels were intact.

Lesions in the abdominal cavity were subtle. Diffusely, petechial hemorrhages were noted on the surface of the spleen. On cut surface, the parenchyma appeared normal. There was a moderate amount of petechiation around the reticulo-rumen fold, with no ulceration in remaining stomach chambers. Rumen contents were normal. Intestinal segments were gas filled, with no formed feces in the colon. The liver was autolytic; margins of the liver were not rounded.

Bladder, kidney, heart, esophagus, trachea and lymph nodes were also evaluated, but determined to be within normal limits.

Taking into account the severity, distribution, and disease process observed, the following gross diagnoses were rendered:

1. **Severe thoracic effusion**
2. **Moderate, diffuse, pulmonary edema**
3. **Mild, focal, rumenitis**
4. **Mild, multifocal to diffuse, splenic petechiation**

### Sample submission:

Tissue samples were routinely processed for histopathology. A fresh sample of spleen was routed to the Molecular Diagnostics section to test for EHD and Bluetongue virus (BTV), via qPCR. A retropharyngeal lymph node and a portion of the Obex were submitted to Virology for Chronic Wasting Disease testing via Enzyme-Linked Immunosorbent Assay (ELISA). Aerobic cultures of lung and colon swabs were routed to Microbiology for bacterial isolation.



## **Histopathology:**

The most dramatic lesions were observed in the lungs (Fig. 1) and spleen.

In the lungs, marked edema expanded the connective tissue between the pulmonary lobules (interlobular septa), and filled many of the air sacs (alveoli). The connective tissue separating alveoli exhibited increased blood flow, in addition to edema expanding the structure.

Splenic sections had decreased cellularity of the white pulp.

Taking into account the severity, distribution, and cell processes observed, the following microscopic diagnoses were rendered:

1. **Severe, focally extensive, subacute, congestive pulmonary edema with interlobular septa edema**
2. **Moderate, diffuse, lymphoid depletion**

## **Ancillary diagnostics:**

Culture/bacterial isolation:

- Lung: *Mannheimia* spp. and *Bibersteinia trehalosi*
- Colon: *Escherichia coli*

qPCR results:

- Spleen: EHD- Positive
- Spleen: BTV- Negative

CWD ELISA results:

- Lymph Node: Negative
- Obex: Negative

## **Conclusion:**

EHD usually occurs within the late summer and early fall months in Kentucky due to changes in water availability for deer that bring them into close proximity with infected midges (Stasiak, 2017). Severe spikes in disease prevalence occur in 5 to 10 year cycles, as seen with the recent outbreaks of 2007 and 2017 (Stasiak, 2017; KDFWR 2018).

Recent population estimates of wild deer are nearly 855,000, with the lowest population of deer in the eastern portion of the state devastated by the 2017 outbreak (KDFWR, 2018). During the 2017 outbreak, a total of 4,625 deer were suspected to be infected with EHD, with up to 83% of deer harvested by hunters that year exhibiting antibodies to EHD (Stasiak, 2017).

Thus, it is not usual for wild deer to succumb to this disease in variable numbers; however, this case raises some concern amongst the authors as this deer was farm bred. It is unclear of the herd and housing situation this deer was subjected to, but it is highly

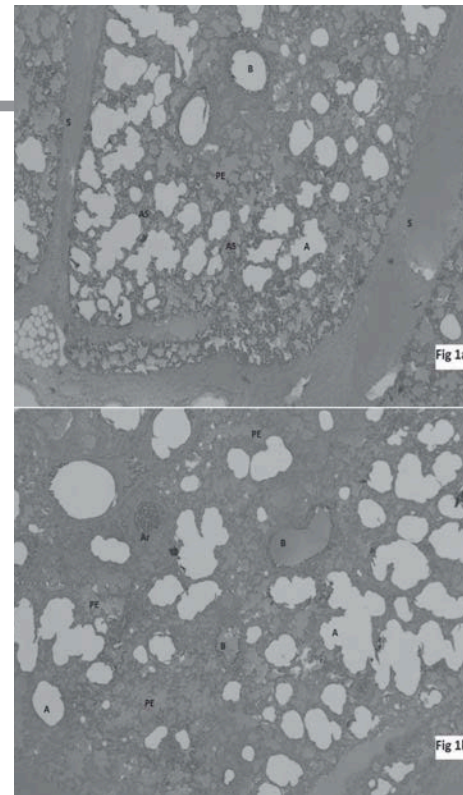


Figure 1: Lung at 40x (Fig 1a) and 100x (Fig 1b) magnification. Interlobular septae (S), interalveolar septae (AS) and bronchi (B) contain edema. Few alveolar (A) spaces are clear, with majority of spaces containing edema (PE). Hemorrhage into surrounding tunic of arterioles (Ar) were observed in a few sections.

possible that infected midges might persist on the farm grounds and infect other deer. With nearly 70 farmed deer herds existing in the state of Kentucky (Kentucky Department of Agriculture, 2017), an outbreak affecting farmed deer could result in a substantial economic loss for deer farmers and threaten wild deer population nearby. Thus, it is vital that practitioners who routinely treat alternative livestock, educate their clients on the impact an EHD outbreak poses to natural resources, in addition to their operation.

The lesions presented in this case report were a mild. It is highly possible that this animal was in the early stages of viremia, due to the lack of necrosis and hemorrhage within the rumen and tongue at time of necropsy.

\*References available upon request

## **References:**

- Kentucky Department of Agriculture (KDA) (2019). *Farmed Cervids*. Retrieved August 14, 2019, from <https://www.kyagr.com/statevet/farmed-cervids.html>
- Kentucky Department of Fish and Wildlife Resources (KDFWR) (2018). *2017-2018 White-tailed Deer Report*. Retrieved August 14, 2019 From <https://fw.ky.gov/Hunt/Documents/2017-18KentuckyDeer-ReportFinal.pdf>
- Stasiak, I (2017). *Deer Disease Worst in a Decade: Eastern Kentucky hardest hit region*. *Kentucky Afield*. pg 25-26
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Colleagues and KVMA Members,

Maintaining an active and effective association requires review and potential revision of our Constitution and Bylaws. The most recent amendment to the KVMA Constitution and Bylaws was completed in October 2012. In January 2019, I appointed a Bylaws Committee to review and make recommendations to the KVMA Executive Board.

The KVMA Executive Board voting member composition include the executive officers and the constituent association representatives. Our current Bylaws state that a simple majority of voting members be present to establish a quorum and conduct official KVMA business. In the absence of a quorum, the ability of the

Executive Board to conduct business is hampered.

In part due to the potential of not meeting a quorum, the Bylaws Committee made several recommendations to the Executive Board. A proposed Bylaw amendment has been Approved by the KVMA Executive Board. The Proposed Amendment is now being sent out for review by the general membership with a Recommendation for Approval at our Annual Business meeting, to be held on October 5, 2019. The proposed change is to the KVMA Bylaw 7, Section 7.

Respectfully submitted,  
Dr. Jennifer K. Quammen  
President, Kentucky Veterinary Medical Association

## Article 3 - Constituent Association

To become a constituent association of the KVMA with representation on the Executive Board an association must meet the following:

- A. Have at least 10 active members not represented by another constituent association.
- B. Meet a minimum of two times yearly.
- C. Have a written set of by-laws acceptable to KVMA Executive Board.
- D. File the number of members and officers with KVMA Executive Director annually.
- E. Notify KVMA Executive Director of meeting dates.
- F. The formation of new associations in any part of the state is encouraged, especially where it is impractical to attend meetings of existing organizations. However, new associations must meet the following:
  - (1). File a request for membership with the KVMA Executive Board stating reasons for organizing.
  - (2). Be in existence for 12 months before filling for membership on the Executive Board.

## By-law 7, Executive Board

### Section 7. Constituent Association Board Member

Only active KVMA members can be elected to Executive Board membership. Each KVMA constituent association shall be represented by one member on the Executive Board. This representative shall be elected by the members of that constituent association for a term of office on the Executive Board of four years. Tenure of a board member will be one term of four years with eligibility for one re-election, after which the individual shall be ineligible for an interval of not less than four years. Exceptions to the period of ineligibility may

be made for constituent associations with small memberships. These exceptions are dictated in the SOP. Newly elected board members shall take office at the next Executive Board meeting. Board members elected, as replacements to complete a term of office are eligible to serve a full term and one reappointed term.

It is incumbent upon members of the Executive Board to be present at every board meeting. If unable to be present at a given meeting, the board member shall inform the chairperson or executive director of such absence and that his/her alternate will serve at the board meeting.

***A Constituent Association Representative on the Executive Board (Constituent Association Board Member) must be present for at least fifty percent (50%) of executive board meetings per association year to maintain voting status. Determination of voting status will be determined by the Executive Director based on attendance in the previous association year Executive Board meetings. If a representative (or alternate) is unable to attend at least fifty percent (50%) of EB meetings per association year, that Constituent Association will become a non-voting member of the Executive Board for the next association year.***

### Section 8. Constituent Associations

To become a constituent association of the KVMA with representation on the Executive Board, an association must meet the requirements set forth in the Constitution, Article 3. ♦



# KVMA

The following question and answer information is continually being updated by  
**Immediate Past President Dr. Doug Peterson**  
and **Mr. Tim Bennett, Director of Sales and Use Tax,**  
**Office of Sales and Excise Taxes of the Kentucky Revenue Department.**

**Our KVMA Board is continuing to work on the tax issues surrounding the small animal sales tax.**

**Q.** If cremation isn't taxed, does that apply if a veterinarian performs the cremation at his clinic vs sending out to another company? If the crematorium offers packages that include cremation and products such as picture frames, urns, and paw prints, etc. are you supposed to charge sales tax on the items purchased but not the cremation and how do they want the value of the taxable portion of the package sale to be calculated?

**A.** The cremation charge and the urn (if provided as part of the cost of cremation) is not subject to sales tax, whether the veterinarian performs it or a third party. If the crematorium is charging for the cremation, then sales tax is due on any item used as part of the cremation. The crematorium will pay sales tax to their supplier. However, if the crematorium also sells tangible personal property such as specialty urns, picture frames, paw prints, other memorials, etc. in addition to basic cremation, then these components of the bill are subject to sales tax. Charges for the tangible personal property sold in addition to the cremation itself are taxable to the final customer. If a veterinarian contracts with a crematorium to perform a cremation for a client's pet, then the veterinarian's charge for the cremation passed on to the client, including the mark up, is an exempt service charge. However, any portion of the bill that includes charges for specialty urns, memorials, etc. are retail sales of tangible personal property subject to the 6% sales and use tax. The veterinarian may issue a resale certificate for any purchases of tangible property associated with the cremation when the property is to be resold to the final customer.

**Q.** My practice management software cannot remove sales tax from sales of Fayette County cat licenses. We are deducting \$0.48 from the sale of each license, when we remember. If I am audited, will the Revenue Cabinet understand that some veterinary practice management software programs were not originally written to include sales tax on service sales and the only way to not charge the client after the program was changed, is to write off the value of the sales tax or adjust the cost of the cat license? If I make the cat license a non-taxable inventory code, then my program will not generate a reminder for the license.

**A.** The department has held that license fees required by a government agency are not subject to sales tax. You should code these as non-taxable. However, to the extent a transaction is coded incorrectly, and tax is collected, the tax must be reported and remitted to the Department unless the amount is backed out of the transaction and refunded to the customer.

**Q.** After submitting resale certificates, we know that some distributors are charging us sales tax on items that we think shouldn't be taxed. Calls to the distributor have not been productive. The Revenue Cabinet should publish a list of what should and what should not be taxed by vendors for veterinarians and veterinary vendors to reference.

**A.** This question is answered in the attached letter. If a veterinarian has been charged sales tax on tangible personal property that is for resale, they can take a deduction on line 170 of their return and should note in the comments that the deduction is for a "Tax Paid Purchase Resold." ♦



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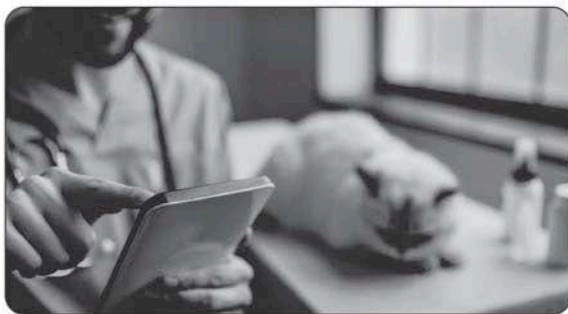


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# NOT SO SIMPLE, THIS VETERINARY MEDICINE

by Allie Ingram, AU CVM, Class of 2021

As the president of Auburn SAVMA and a good friend of the president of Tuskegee SAVMA, I was bound and determined to have an SAVMA event between our two schools. After some discussion on both sides, we settled on having a paint night. When the day came, we were ready. We had snacks, drinks, and the Auburn vs. North Carolina game set up on a projector. We had a professional painting company come in, and they brought traced canvases all ready to be filled in. We had even picked out a cute cow for everyone to paint that the painting company lovingly referred to as “Betsy.”

Now, I consider myself a fairly creative person, but let’s just say that Betsy was harder to paint than we originally thought. Hands flew up right and left. Some people had success filling in their lines exactly as the artists directed. Others, like myself, found the shading portions more challenging. A select few found Betsy to take on a more abstract shape, but perhaps the most interesting result was how easily a room full of veterinary students could stress out three artists. In all, it took us over three hours to paint this cow, and it took every ounce of patience for the artists to cope with the amount of perfectionism in the room. My Betsy currently sits on the top of my bookshelf in my living room, high enough that I cannot pick out her obvious flaws.

To say I am a recovering perfectionist would probably be an understatement, and I would argue that most of my classmates are the same way. We like details, and we like them to be just right. It has been a frustrating trait to deal with in veterinary school, but one the faculty, advisors, and clinicians are well aware we have. I have spent afternoons reorganizing my pantry, pulling tiny weeds from my garden, and picking apart my décor. Once, in a seminar to help us cope with the evils of perfectionism, I was instructed to draw what I thought my perfectionism might look like. My perfectionism “monster” consisted of a right triangle that was a few degrees off whose eyes were slightly off midline. It took me back to painting Betsy and her slightly larger right nostril.

**We like details, and we like them to be just right.**

The fact is, I may always be a perfectionist, recovering or not. But it is not always a bad quality. It gives me the energy to focus on details and the compulsion to check my pharmacology calculations one more time. It made me want to practice my intradermal sutures when I messed up on my practical. It made me take an advanced parasitology course, because I felt like I needed it. It got me into veterinary school, and it will honestly get me through it.

The part that I struggle with from time to time is that often I let my imperfections define me: the one skin suture I had to place, the test I scored below average on, and the response I should have given to my friend. I, like Betsy and the rest of the world, am far from perfect, and that is okay. I have a long way to go in my veterinary journey and more than one disappointment ahead. The key will be to always keep painting and just do the best I can. ♦

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KVMA



# KVMA FOUNDATION AND SYMPATHY CARD PROGRAM

The KVMA Foundation was established in May 1989 with “a commitment to improve the profession of veterinary medicine by educating the public and developing future leaders in animal industry through financial assistance.”

One of the primary functions of the Foundation was to receive and distribute contributions and own properties, unacceptable practices for a non-profit organization such as the Kentucky Veterinary Medical Association. The Foundation places no liabilities on the KVMA.

In recent years, the Foundation has been active supporting many activities. Among them:

- Kentucky 4-H
- Kentucky FFA
- Kentucky Young Farmers
- The White Coat Ceremonies at Auburn University CVM and Tuskegee University SVM
- Gifts for Kentucky first-year veterinary students
- Disaster Relief Programs

The Foundation sympathy card program, begun in 2004, has helped support the KVMA. Since 2004 there has been **\$71,506.00** raised by the card program!

An organization is only as strong as its membership and the KVMA has always been strong. Those of you who support or have supported the Foundation in the past, we thank you. We hope others of you will join us today. We need your participation!

Sample message inside of the sympathy card:

*Dear Jones Family,*

*The Doctors and Staff of Doe Animal Hospital wish to express their heartfelt sympathy with your recent loss of Fluffy. Losing a special friend is always difficult because of the close bond we share with them. Comfort can be found in the special memories they gave us that will last eternally. To honor Fluffy's memory, the Doctors and Staff of Doe Animal Hospital have made a monetary donation to the Kentucky Veterinary Medical Foundation. This donation helps support our work to improve the lives of animals and people through education.*

*The Kentucky Veterinary Medical Foundation ♦*

Thank you to recent card program contributors:

The Animal Clinic-Lawrenceburg,  
Pennyrile Animal Clinic-Madisonville,  
Reidland Veterinary Clinic,  
Grants Lick Veterinary Hospital-Butler,  
Dr. Barbara A. Schmidt-Union,  
Pendleton County Veterinary Hospital-Falmouth,  
Crestwood Veterinary Hospital-Crestwood,  
Goose Creek Animal Clinic-Louisville,  
Eastpoint Animal Clinic-Louisville,  
West Liberty Veterinary Clinic-West Liberty,  
Dr. William H. Leonard-Lexington,  
Knox County Veterinary Services-Barbourville,  
Springfield Animal Clinic-Springfield,  
Jefferson Animal Hospital.

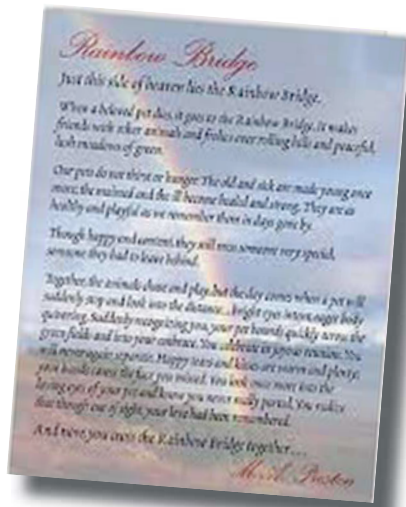


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Above: The cover of the Sympathy Card features a full color photo and the popular “Rainbow Bridge” verse.







Growing up on a dairy farm, in rural Fleming County during the 1950's and 1960's, promoted my love for animal science. My father instilled in me the respect that animals deserve since humans are so dependent on them, both physically and emotionally. Following graduation from high school, I entered Morehead State University in Morehead, Kentucky, earning a BS degree in agriculture. Ultimately, I was able to attend Samford University School of Pharmacy, located in Birmingham, Alabama, where I graduated in 1982 with a BS degree in pharmacy. It was during that same year that I was accepted into Auburn University's College of Veterinary Medicine in Auburn, Alabama. I was able to complete my education at Auburn's College of Veterinary Medicine, graduating in 1986. I am very grateful to all of the instructors throughout my academic years for the countless hours they spent

trying to drive educational concepts into my brain. Following graduation from veterinary school, I began my career in veterinary medicine in Fleming County, working with Dr. E. T. Harding and Dr. Emery Clark Jr., whose faith and trust were constant guides in a mixed animal practice. Those were challenging years attempting to diagnose and treat the wide variety of animals that owners presented to the clinic. These challenges in a rural community practice proved to be an adventure every day.

During the past few months, my most recent partner, Dr. Ronnie Gillum, and I sold the small animal portion of our business. This business decision will allow me a little more freedom to practice large animal medicine, as well as pharmacy.

During the years I have worked in veterinary medicine, multiple changes have occurred, which impact the day-to-day life of veterinarians throughout Kentucky. Along with practice changes, the KVMA began giving me opportunities to develop continuing education presentations and allowing me to speak at several continuing education conferences. Initially, these conferences opportunities took me out of my comfort zone, but now I consider them as growth experiences. As more presentations developed, I felt encouraged to become more involved in the KVMA and organized veterinary medicine. The most recent opportunity occurred in 2018, when KVMA selected me as an alternate delegate to the AVMA House of Delegates. This experience allows me to view organized veterinary medicine from a different perspective. Both the KVMA and AVMA are directly focused on their association members never losing sight of family and employee responsibilities. In organized veterinary medicine, the professional association functions to protect and promote the care of the animals, while attempting to advance the needs of the profession we love. The KVMA and AVMA continue to gain insight into the current needs of the profession, always striving to elevate the standard of care. I feel membership in organized veterinary medicine yields positive benefits every year and I encourage all Kentucky veterinarians to join and support their professional veterinary associations.

Throughout the years of education and practice, my family supported me with encouragement and understanding. My wife Karlyn and daughters Rebecca and Sarah were constant pillars of strength. Recently our family has grown with Rebecca marrying and giving us an adorable baby grandson and Sarah also getting married and giving us a beautiful granddaughter.

If there is one sad note to this story, it would have to be how fast time passes, but through it all, I remain passionate about veterinary science and organized veterinary medicine.

Frank G. Vice DVM  
Alternate Delegate KY ♦

## KVMA SPOTLIGHT MEMBER - DR. JAMES WEBER



Dr. James Weber grew up on a farm in Mason County, Kentucky where his family had dairy and beef cattle and hogs. These experiences nurtured his appreciation for animals as well as science and medicine. He earned his DVM from Ohio State University in 1980 and also holds a Bachelor of General Studies from the University of Kentucky and Master of Business Administration from Northern Kentucky University.

During his career, Dr. Weber has been involved in small and mixed animal practices where he enjoyed the challenges of successfully diagnosing and treating difficult and unusual cases. He also worked as a veterinary medical officer with USDA.

When asked what led him to become involved with KVMA, Weber replied, "I have always wanted to promote and advocate for the profession and think that working through veterinary associations is the best way

for me to accomplish this goal."

His willingness to become involved has credited him with many positions with the KVMA and the AVMA: KVMA: President 2002-2003; Served on KVMA Executive Board representing Northern Kentucky VMA 1986-1993; Served on the Public Relations Committee several years and Chaired and Co-chaired 1996-2000; Chair Governmental Relations (formerly Legislative) Committee since 2007; Represented KVMA on the Kentucky Agricultural Council 2007-2011.

AVMA: Member, AVMA House of Delegates representing Kentucky since 2001; Served on State Advocacy Committee 2010-2017; Serving on Legislative Advisory Committee 2017-present.

Dr. Weber and Linda, his wife of 38 years, have two sons, James married to Jennifer and Daniel married to Jessica. Dr. Weber and his wife are proud grandparents to Emmanuel, Arlen, Magdalena, and Claire. He is currently farming with beef cattle. ♦

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Fort Branch is the largest town and second largest community in Gibson County, Indiana. The area has seen a great deal of development since 2000. It is located close to the city of Evansville, which includes many amenities such as shopping, dining, entertainment, and family attractions. This cultural community is a great combination of urban and rural living and has something special to offer everyone!

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Phone: 815-677-7878 • Email: [Katherinehanson@vetcor.com](mailto:Katherinehanson@vetcor.com)

# KVMA FOUNDATION CLAY SHOOT - READY, AIM, FUN!

The 2019 KVMA Foundation Clay shoot was held On August 22nd at the Elk Creek Hunt Club in Owenton, Kentucky. A fun-filled day was had with over 60 shooters and visitors.

The KVMA Foundation would like to thank Elk Creek Hunt Club for being such wonderful hosts for the annual shoot.

## Much appreciation to our following sponsors:

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Anxious to get out in the field for the clay shoot! See more photos in the centerfold of this issue. We hope to see everyone (and you!!) next year.

The KVMA Foundation truly appreciates all the support, please remember the primary goals of the KVMA Foundation are establishing student funds and scholarships, provides grants for students to attend leadership conferences, the sympathy card program and much more.

*The KVMA Foundation is committed to improving the profession of veterinary medicine by educating the public and developing future leaders in animal industry through financial assistance. ♦*

## WELCOME NEW KVMA MEMBERS

**Dr. Stanley Robertson** – Lincoln Memorial University – Harrogate, TN

**Dr. Cleon Hendricks** – Breathitt Veterinary Center – Clarksville, TN

**Dr. Rafaela De Negri** – MSU Breathitt Veterinary Center – Hopkinsville, TN

**Dr. Chelsea Wilson** – Georgetown, KY

**Dr. Chelsey Jones** – Mayfield Veterinary Clinic – Mayfield, KY

**Dr. Taylor Marshall** – Metropolitan Veterinarian Specialists- Louisville, KY

**Dr. Helen Reaves** – Banfield Pet Hospital – Franklin, TN

**Dr. Kathryn Smith** – Pet2Vet – Wilder, KY

**Dr. Karen Von Dollen** – Hagyard Equine Medical Institute - Lexington, KY

**Dr. Stephanie Bell** – Hagyard Equine Medical Institute – Lexington, KY

**Dr. Kendra Healy** – Lap of Love – Georgetown, KY

**Dr. Meghan Helmer** – Harrison Veterinary Clinic – Harrison, KY

**Dr. Maggie Micciche** – Crestwood Animal Hospital – Louisville, KY

**Dr. Addie Reinhard** – Barnes Mill Animal Hospital – Lexington, KY

**Dr. Rebecca Ruby** – UK Diagnostic Laboratory – Lexington, KY

**Dr. Kellie McMurry** – Allison Lane Animal Hospital – Louisville, KY

**Dr. Nicole Varon** – Gailor Animal Hospital – Louisville, KY

**Dr. Emily Osbourne** – By Pass Animal Clinic – Bowling Green, KY

**Dr. Haley Hancock** – Crossroads Veterinary Clinic, Versailles, KY

**Dr. Emma Jones** – Flemingsburg Animal Clinic, Flemingsburg, KY

**Dr. Dominique Comeau** – Bannon Woods Veterinary Clinic, Fairdale, KY

**Dr. Bradley Keough** – KY Department of Agriculture, Frankfort, KY

KVMA





**Metropolitan Veterinary Team**



**VCA - Woodford Animal Hospital Team**



(L) Dr. Debra



**Elanco Team**



**KVMA Foundation Board Members : Dr. Spike-Pierce, Dr. Smith, Dr. Turner, Dr. Goodpaster**



**The Scene at the Sporting August 22, 2019 E**



**Dr. Clenon Turner Family Team**



**Traditional Bank Team**



**(L) Patterson and Rood & Riddle Team**



**(R) Veterinarian Coaching Team**



ana Turner, Louise Cook,  
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(R) Boehringer Ingelheim Team



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Dozier Team

2019 KVMA Annual Fundraiser  
Clay Shoot & Luncheon  
Hick Creek Hunt Club, Owenton, KY



Rood & Riddle Team



Team



Patterson Team #2



Boehringer Ingelheim Team #2



(L) Dr. Hornback, Dr. Gailor,  
Dr. Tooke, Dr. Smith

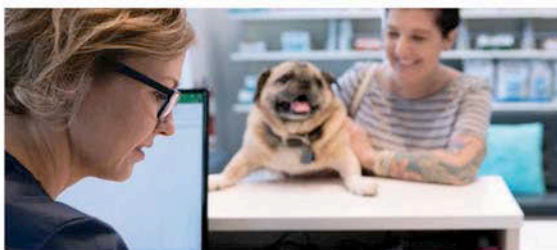
(R) Dr. Clenon Turner Team





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# BAT BYTES: Rabies Review and Zoonotic Updates

Kentucky Department for Public Health, Division of Epidemiology and Health Planning  
 Kelly Giesbrecht, DVM, MPH, State Public Health Veterinarian  
 Office: 502-564-3418x4313 Mobile: 502-682-4048

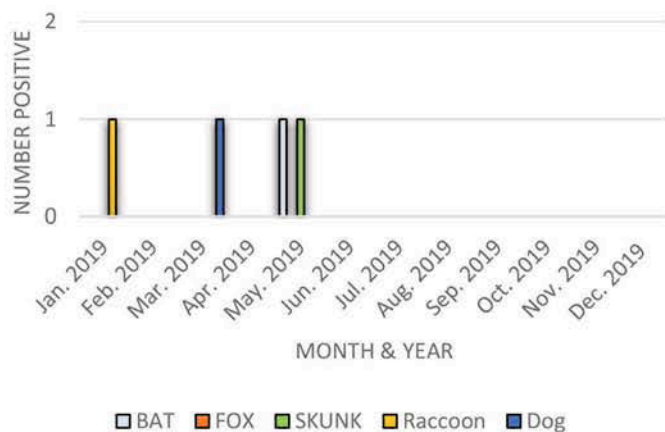


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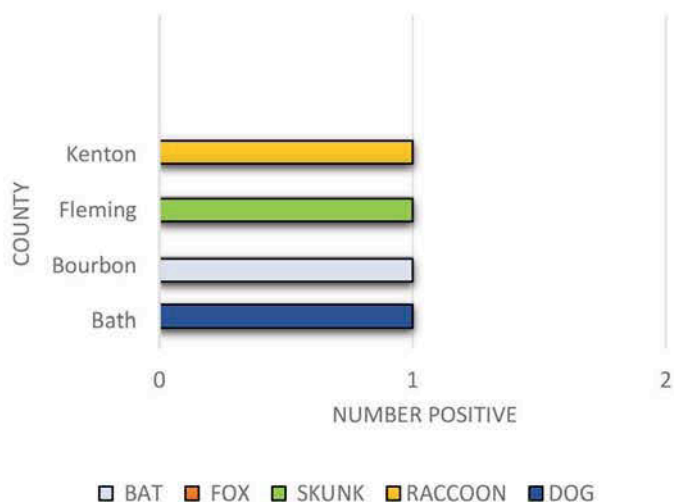
## This Issue:

2019 Rabies Cases: 4  
 Species and County Distribution

2019 KY Positive Rabies by Month and Species



2019 Kentucky Rabies Cases by County



## March 2019 Rabid Dog:

A rabid dog was identified this March in Bath County.

- The dog presented for vomiting and over the next 24 hours became aggressive.
- The astute veterinarian felt something was off.
- There was history of a skunk encounter 2-3 weeks earlier and the dog was unvaccinated.
- It was a family dog with a toddler in the house and multiple exposures from licking.
- 17 people needed rabies PEP.
- The local health department assisted in getting the rabies PEP, sent out public notices and coordinated with the clinic to host a rabies vaccination clinic for the area.
- Their second dog was also unvaccinated and the family opted for euthanizing instead of undergoing a 4-month quarantine.

## DID YOU KNOW?

In the US, there have been 5 rabid opossums diagnosed in the past 2 years.

Maryland had 4 and 1 in New York.

This is a game changer! We can no longer assume opossums cannot get rabies! Opossum encounters can no longer be considered risk free.



## 1989-2019 Positive Rabies Cases

<http://www.vdl.uky.edu/EpidemiologyInformation/RabiesMap.aspx>



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FRIDAY, OCTOBER 4, 2019

TIME (EDT)	EQUINE	SMALL ANIMAL A	SMALL ANIMAL B
8:00 am - 8:50 am	<b>Equine Pre-Purchase Exams</b> Elizabeth Barrett, DVM, MS, DACVS	<b>Pancreatitis: Pitfalls and Pacification</b> Antu Radhakrishnan, DVM, DACVIM (SAIM) <i>Sponsored by Covetrus</i>	<b>Cannibis:</b> <b>What a Tangled (Legal) Web is Weed</b> Dharati Szymanski, DVM, MPH <i>Sponsored by Veterinarian Coaching</i>
<b>8:50 - 9:00 am Break</b>			
9:00 am - 9:50 am	<b>Colic in the Adult Horse</b> Elizabeth Barrett, DVM, MS, DACVS	<b>Hepatobiliary Disease: Don't be Yellow About the Yellow</b> Antu Radhakrishnan, DVM, DACVIM (SAIM) <i>Sponsored by Covetrus</i>	<b>Cover Your Assets: Part 1: A Current Look at Professional Liability in an Ever-Changing Society</b> Cynthia G. MacKenzie, DVM <i>Sponsored by Veterinarian Coaching</i>
<b>9:50 - 10:00 am Break</b>			
10:00 am - 10:50 am	<b>Enterocolitis in the Foal</b> Nimet S. Browne, DVM, MPH, DACVIM	<b>Oncology: Offering Orderly Options to the Uneasy Owner</b> Antu Radhakrishnan, DVM, DACVIM (SAIM) <i>Sponsored by Boehringer Ingelheim</i>	<b>Cannibis:</b> <b>What a Tangled (Legal) Web is Weed</b> Dharati Szymanski, DVM, MPH <i>Sponsored by Veterinarian Coaching</i>
<b>10:50 - 11:00 am Break</b>			
11:00 am - 11:50 am	<b>Colic Panel - Cases</b> Elizabeth Barrett, DVM, MS, DACVS Nimet S. Browne, DVM, MPH, DACVIM Bonnie Barr, VMD, DACVIM	<b>IMHA/ITP: From OMG to SLAP</b> Antu Radhakrishnan, DVM, DACVIM (SAIM) <i>Sponsored by Boehringer Ingelheim</i>	<b>Cover Your Assets: Part 2: A Current Look at Professional Liability in an Ever-Changing Society</b> Cynthia G. MacKenzie, DVM <i>Sponsored by Veterinarian Coaching</i>
<b>Noon - 1:30 pm Lunch (Keynote Speaker Jay McChord. "Everything is Changing: Leading in the Multi-Generational Workplace")</b>			
1:30 pm - 2:30 pm	<b>Acute Abdomen in the Foal</b> Nimet S. Browne, DVM, MPH, DACVIM	<b>Biosecurity for Small Animals</b> Joe Lyman, DVM, MS <i>Sponsored by Neogen</i>	<b>The Management of Canine Hyperadrenocorticism - Cushing's</b> Mike LaRosh, DVM <i>Sponsored by Dechra</i>
<b>2:30 - 3:00 pm Exhibit Time</b>			
3:00 pm - 4:00 pm	<b>Equine Biosecurity</b> Joe Lyman, DVM, MS <i>Sponsored by Neogen</i>	<b>Telehealth: The Overview</b> Brittany Koether, DVM <i>Sponsored by Zoetis</i>	<b>Managing and Treating Canine Hypoadrenocorticism - Addison's Disease</b> Mike LaRosh, DVM <i>Sponsored by Dechra</i>
<b>4:00 - 4:30 pm Exhibit Time (Followed by continuation of REGULAR SESSION BREAK OUTS)</b>			
4:30 pm - 5:30 pm	<b>Equine Botulism</b> Joe Lyman, DVM, MS <i>Sponsored by Neogen</i>	<b>Telehealth: Use in Practice</b> Brittany Koether, DVM <i>Sponsored by Zoetis</i>	<b>Anesthesia Refresher - Don't Forget the Basics!</b> Mike LaRosh, DVM <i>Sponsored by Dechra</i>

TIME (EDT)	PRACTICE MANAGEMENT	WELLNESS
8:00 am - 8:50 am	<b>Building a Fully Engaged Practice Team-Defining Engagement and Its Importance</b> Randy Hall <i>Sponsored by CareCredit, Inc.</i>	<b>Getting to Yes</b> Joel Sailor, DVM <i>Sponsored by Merck</i>
<b>8:50 - 9:00 am Break</b>		
9:00 am - 9:50 am	<b>The 5 Components of Engagement</b> Randy Hall <i>Sponsored by CareCredit, Inc.</i>	<b>Ringmaster: Using Science and Management Principles to Tame the Flea Circus</b> Joel Sailor, DVM <i>Sponsored by Merck</i>
<b>9:50 - 10:00 am Break</b>		
10:00 am - 10:50 am	<b>Leader Behaviors that Destroy Engagement (Part 1)</b> Randy Hall <i>Sponsored by CareCredit, Inc.</i>	<b>Exam Room Communication</b> Joel Sailor, DVM <i>Sponsored by Merck</i>
<b>10:50 - 11:00 am Break</b>		
11:00 am - 11:50 am	<b>Leader Behaviors that Destroy Engagement (Part 2)</b> Randy Hall <i>Sponsored by CareCredit, Inc.</i>	<b>Acquiring, Retaining, and Motivating Veterinary Staff</b> Matt Stevens, DVM
<b>Noon - 1:30 pm Lunch (Keynote Speaker Jay McChord) &amp; Exhibit Time</b>		
1:30 pm - 2:30 pm	<b>Ways Leaders Can Drive Employee Engagement (Part 1)</b> Randy Hall <i>Sponsored by CareCredit, Inc.</i>	<b>Leveraging the Generations - recruit, retain, manage &amp; motivate across all generations.</b> Jay McChord <i>Sponsored by Hippo Manager</i>
3:00 pm - 4:00 pm	<b>Ways Leaders Can Drive Employee Engagement (Part 2)</b> Randy Hall <i>Sponsored by CareCredit, Inc.</i>	<b>Be 20% Better!</b> Jay McChord <i>Sponsored by Hippo Manager</i>
<b>4:00 - 4:30 pm Exhibit Time</b>		
4:30 pm - 5:30 pm	<b>Creating Leadership Habits that Ensure Employee Engagement</b> Randy Hall <i>Sponsored by CareCredit, Inc.</i>	<b>Becoming a Rockstar Communicator</b> Jay McChord <i>Sponsored by Hippo Manager</i>
<b>PLEASE TURN OFF CELL PHONES IN MEETING ROOMS!</b>		

**MEETING ROOM ASSIGNMENTS**

Continental Breakfast -  
Grand Ballroom C - 2nd floor

Ex. Board Mtg./Breakfast -  
Nunn Room - 2nd floor

Exhibit Hall - 2nd floor

Equine - Jones Room - 3rd floor

Lunch - Grand Ballroom C - 2nd floor

Small Animal A - French Room - 3rd floor

Breaks (afternoon) - Exhibit Hall

Small Animal B - Segell Room - 3rd floor

Wellness - Stopher Room - 2nd floor

Pre-Vet Advisors Meeting - Stanley Room - 3rd floor

Practice Management - Breathitt Room - 2nd floor

**FRIDAY'S SOCIAL EVENTS AND ACTIVITIES**

**Luncheon with keynote speaker Jay McChord.** "Everything is Changing: Leading in the Multi-Generational Workplace"  
**Luncheon sponsored in part by Lincoln Memorial University; Speaker sponsored by Zoetis** - Noon- 1:30 pm.

Exhibit Hall Noon - 5:30 pm. **Silent Auction:** Open until 5:00 pm Saturday, with proceeds to benefit the KVMA Foundation

Exhibit Hall 5:30 pm - 6:30 pm. **Complimentary Cocktail Hour and Reception - Sponsored by Covetrus**

**SATURDAY, OCTOBER 5, 2019**

<b>TIME (EDT)</b>	<b>EQUINE</b>	<b>SMALL ANIMAL A</b>	<b>SMALL ANIMAL B</b>
<b>8:00 am - 9:00 am</b>	<b>Equine Gastric Ulcer Syndrome</b> William F. Gilseman, VMD, DACVIM <i>Sponsored by Boehringer Ingelheim</i>	<b>How to Read a Pet Food Label</b> Craig Datz, DVM, MS, DABVP, DACVN <i>Sponsored by Royal Canin</i>	<b>Cats, Cardiomyopathy, &amp; Practical Use of BNP Testing</b> Sarah Clay Bell, DVM, MS, DACVIM (Cardiology) <i>Sponsored by CVCA Cardiac Care for Pets</i>
<b>9:00 - 9:30 am Exhibit Time</b>			
<b>9:30 am - 10:30 am</b>	<b>Response of Joints to Exercise and Trauma</b> Larry Bramlage, DVM, MS, DACVS <i>Sponsored by Boehringer Ingelheim</i>	<b>Unconventional Diets</b> Craig Datz, DVM, MS, DABVP, DACVN <i>Sponsored by Royal Canin</i>	<b>Breaking Down the EKG: Minding your P's and Q's. Understanding the EKG.</b> Steven Rosenthal, DVM, DACVIM (Cardiology) <i>Sponsored by CVCA Cardiac Care for Pets</i>
<b>10:30 - 11:00 am Exhibit Time</b>			
<b>11:00 am - 12:00 pm</b>	<b>"Price to Pay" for Bisphosphonate Use is Delayed Healing</b> Larry Bramlage, DVM, MS, DACVS Scott Stanley, PhD <i>Sponsored by Boehringer Ingelheim</i>	<b>Dilated Cardiomyopathy &amp; Nutritional Cardiomyopathy</b> Steven Rosenthal, DVM, DACVIM (Cardiology) <i>Sponsored by CVCA Cardiac Care for Pets</i>	<b>Syncope versus Seizure</b> Sarah Clay Bell, DVM, MS, DACVIM (Cardiology) <i>Sponsored by CVCA Cardiac Care for Pets</i>
<b>12:00 - 1:30 pm KVMA Lunch &amp; Awards</b>			
<b>1:30 pm - 2:30 pm</b>	<b>Comparison of Pharmaceutical Equivalence for Compounded Formulations with FDA Approved Medication</b> Scott Stanley, PhD <i>Sponsored by Boehringer Ingelheim</i>	<b>Management of Otic Disease</b> Lynette Cole, DVM, MS, DACVD <i>Sponsored by Virbac</i>	<b>Ferret Endocrine &amp; Neoplastic Disorders</b> João Brandão, LMV, MS, DECZM (Avian)
<b>2:30 - 3:00 pm Exhibit Time</b>			
<b>3:00 pm - 4:00 pm</b>	<b>Applying Immunology to Save both Human and Animal Lives</b> Scott E. Hancock, DVM <i>Sponsored by Boehringer Ingelheim</i>	<b>Updates on Dermatophytosis, Demodicosis &amp; Pyoderma</b> Lynette Cole, DVM, MS, DACVD <i>Sponsored by Virbac</i>	<b>Introduction to Backyard Poultry Medicine</b> João Brandão, LMV, MS, DECZM (Avian)
<b>4:00 - 4:30 pm Break</b>			
<b>4:30 pm - 5:30 pm</b>	<b>Updates on PPID for Equine Practitioners</b> Scott E. Hancock, DVM <i>Sponsored by Boehringer Ingelheim</i>	<b>Diagnosis &amp; Management of Atopic Dermatitis</b> Lynette Cole, DVM, MS, DACVD <i>Sponsored by Virbac</i>	<b>Fluid Therapy in Exotic Animals</b> João Brandão, LMV, MS, DECZM (Avian)

## **SATURDAY'S SOCIAL EVENTS AND ACTIVITIES**

**KVMA Annual Awards Luncheon and 2019 Animal Hall of Fame Induction Ceremony 12:00 pm - 1:30 pm.**

**Luncheon sponsored in part by Auburn University**

**Exhibit Hall open until 5:30 pm.**

**Live Auction** To be held during afternoon breaks in the Exhibit Hall. **Silent Auction** Closes Saturday afternoon at 5:00 pm

**Kentucky Derby Museum "Where every day is Derby Day": Dinner & Socializing - 6:30 pm - 8:30 pm**

**Sponsored by The KVMA Foundation and Merck Animal Health**



<b>TIME (EDT)</b>	<b>FOOD ANIMAL</b>	<b>PRACTICE MANAGEMENT</b>	<b>VETERINARY TECHNICIAN</b>
<b>8:00 am - 9:00 am</b>	<b>Trace Minerals: Physiology, Immunity and Diagnostics</b> Dan Tracy, DVM, MS <i>Sponsored by Multimin USA</i>	<b>How to Master Forward Booking</b> Wendy S. Myers, CVJ <i>Sponsored by CareCredit, Inc.</i>	<b>The 5 O'Clock Shadow: How to Handle End of Day Emergencies</b> Amber Hart, RVT, VTS (ECC)
<b>9:00 - 9:30 am Exhibit Time</b>			
<b>9:30 am - 10:30 am</b>	<b>Trace Minerals: Physiology, Immunity and Diagnostics</b> Dan Tracy, DVM, MS <i>Sponsored by Multimin USA</i>	<b>Master the Art of Presenting Treatment Plans</b> Wendy S. Myers, CVJ <i>Sponsored by CareCredit, Inc.</i>	<b>Are You My Blood Type? Blood Transfusion Medicine</b> Amber Hart, RVT, VTS (ECC)
<b>10:30 - 11:00 am Exhibit Time</b>			
<b>11:00 am - 12:00 pm</b>	<b>Studies Outlining the Use of an ITM in Dairy Cattle</b> Dan Tracy, DVM, MS <i>Sponsored by Multimin USA</i>	<b>Get Your Pharmacy Back</b> Wendy S. Myers, CVJ <i>Sponsored by CareCredit, Inc.</i>	<b>KVTA Annual Meeting &amp; Awards</b>
<b>12:00 - 1:30 pm KVMA Lunch &amp; Awards</b>			
<b>1:30 pm - 2:30 pm</b>	<b>Herd Health Management for Goat Dairies</b> Chris Duemler, DVM	<b>What Millennial Clients Want from Your Veterinary Clinic</b> Wendy S. Myers, CVJ <i>Sponsored by CareCredit, Inc.</i>	<b>The Buffet of Bad: Foods That Are Not Pet Friendly</b> Amber Hart, RVT, VTS (ECC)
<b>2:30 - 3:00 pm Exhibit Time</b>			
<b>3:00 pm - 4:00 pm</b>	<b>Trouble Shooting Kid Rearing Problems</b> Chris Duemler, DVM	<b>Get Clients to Accept Dental Treatments</b> Wendy S. Myers, CVJ <i>Sponsored by CareCredit, Inc.</i>	<b>A Near Breath Experience: Cardiopulmonary Resuscitation</b> Amber Hart, RVT, VTS (ECC)
<b>4:00 - 4:30 pm Break</b>			
<b>4:30 pm - 5:30 pm</b>	<b>Repro Management with Synch Protocols &amp; Offseason Breeding</b> Chris Duemler, DVM	<b>How to Tame Rude Clients</b> Wendy S. Myers, CVJ <i>Sponsored by CareCredit, Inc.</i>	<b>A Near Breath Experience: Cardiopulmonary Resuscitation</b> Amber Hart, RVT, VTS (ECC)

**MEETING ROOM ASSIGNMENTS - PLEASE TURN OFF CELL PHONES IN MEETING ROOMS!**

Continental Breakfast - Grand Ballroom C - 2nd floor  
Equine - Jones Room - 3rd floor  
Food Animal - Stopher Room - 3rd floor  
Small Animal A - French Room - 3rd floor  
Small Animal B - Segell Room - 3rd floor

Practice Management - Breathitt Room - 2nd floor  
Veterinary Technician - Combs Chandler Room - 2nd floor  
Exhibit Hall - 2nd floor  
Breaks - Exhibit Hall - 2nd floor  
Lunch & Awards - Grand Ballroom C - 2nd floor

**SUNDAY, OCTOBER 6, 2019**

TIME (EDT)	SMALL ANIMAL A	SMALL ANIMAL B	SMALL ANIMAL C
8:00 am - 8:50 am	Cranial Cruciate Repair Orthozip Wet Lab And MLP. Extra charge. Limited space. Randy Basinger, DVM, ACVS <i>Sponsored by Steris Animal Health</i>	Endoscopy Lab using Endo-I Companion animal scope and model. Extra charge. Limited space. Andrew John Mackin, BVMS, MVS, DVSc, FANZCVSc, DACVIM (SAIM) <i>Sponsored by Steris Animal Health</i>	Dental Lab: Canine Oral Surgery. Extra charge. Limited space. Paul Q. Mitchell, DVM, DAVDC <i>Sponsored by Steris Animal Health</i>
8:50 - 9:00 am Break			
9:00 am - 9:50 am	Cranial Cruciate Repair Orthozip Wet Lab. (Continued)	Endoscopy Lab using Endo-I Companion animal scope and model. (Continued)	Dental Lab: Canine Oral Surgery. (Continued)
9:50 - 10:00 am Break			
10:00 am - 10:50 am	Cranial Cruciate Repair Orthozip Wet Lab. (Continued)	Endoscopy Lab using Endo-I Companion animal scope and model. (Continued)	Dental Lab: Canine Oral Surgery. (Continued)
10:50 - 11:00 am Break			
11:00 am - 12:00 pm	Cranial Cruciate Repair Orthozip Wet Lab. (Continued)	Endoscopy Lab using Endo-I Companion animal scope and model. (Continued)	Dental Lab: Canine Oral Surgery. (Continued)
Noon - Lunch On Your Own			
12:30 pm - 1:30 pm	Cranial Cruciate Repair Orthozip Wet Lab. (Continued)		
1:30 - 1:40 pm Break			
1:40 pm - 2:40 pm	Cranial Cruciate Repair Orthozip Wet Lab. (Continued)		
2:40 - 2:50 pm Break			
2:50 pm - 3:50 pm			

**SUNDAY'S SOCIAL EVENTS AND ACTIVITIES**

**Christian Fellowship Breakfast 7:00 am - 8:00 am. Brown Room - 2nd floor**  
**No Exhibits on Sunday.**

TIME (EDT)	ONE HEALTH/REGULATORY	VETERINARY TECHNICIAN	FOOD ANIMAL
8:00 am - 8:50 am	Regulatory Issues in KY - Kentucky Board of Veterinary Examiners Joe Bilby <i>Sponsored by KBVE</i>	Jeopardy, Cardiology Technician Edition Sarah Clay Bell, DVM, MS, DACVIM (Cardiology) <i>Sponsored by CVCA Cardiac Care for Pets</i>	VFDs: What are we doing incorrectly and how do we fix it? Darrell S. Johnson, MS, PhD
8:50 - 9:00 am Break			
9:00 am - 9:50 am	Veterinary Wellness - Substance Abuse Issues and Help Emily Caporal, PharmD <i>Sponsored by KY PRN</i>	Minding Your P's & Q's, Understanding Your ECG's Steven Rosenthal, DVM, DACVIM (Cardiology) <i>Sponsored by CVCA Cardiac Care for Pets</i>	Poultry in Practice, Don't Just Wing It; Introduction to Poultry Medicine Brigetta Allen Hughes, DVM, MAM <i>Sponsored by Breathitt Veterinary Center, Hutson School of Agriculture, Murray State University</i>
9:50 - 10:00 am Break			
10:00 am - 10:50 am	Veterinarians Role in Preventing Drug Diversion Martin Redd <i>Sponsored by DEA</i>	Quick Review of Cellular Identification Barbie Papajeski, MS, LVT, RLATG, VTS (Clin Path)	3 D's - Differentials, Diagnostics & Dosages; It Takes a Flock - Resources You Need to Know Brigetta Allen Hughes, DVM, MAM <i>Sponsored by Breathitt Veterinary Center, Hutson School of Agriculture, Murray State University</i>
10:50 - 11:00 am Break			
11:00 am - 12:00 pm	Veterinarians Role in Preventing Drug Diversion Martin Redd <i>Sponsored by DEA</i>	"So you want to be a VTS?" - Panel discussion on how to get started. Amber Hart, RVT, VTS (ECC) Barbie Papajeski, MS, LVT, RLATG, VTS (Clin Path) Scott Steele, BS, LVT, VTS (Dentistry)	Swine Fever, Beth Johnson, DVM & Rayna Warford
Noon - Lunch On Your Own			
12:30 pm - 1:30 pm	USDA Accreditation Module 6 - Exotic Avian Diseases Christopher J. Craig, DVM <i>Sponsored by the USDA, APHIS, VS, NIES</i>		
1:30 - 1:40 pm Break			
1:40 pm - 2:40 pm	USDA Accreditation Module 19 - Animal Health Emergency Responses Christopher J. Craig, DVM <i>Sponsored by the USDA, APHIS, VS, NIES</i>		
2:40 - 2:50 pm Break			
2:50 pm - 3:50 pm	USDA Accreditation Module 24: Collecting and Shipping Swine Diagnostic Samples Christopher J. Craig, DVM <i>Sponsored by the USDA, APHIS, VS, NIES</i>		
<b>MEETING ROOM ASSIGNMENTS - PLEASE TURN OFF CELL PHONES IN MEETING ROOMS!</b>			

Continental Breakfast - Nunn Room - 2nd floor  
 Christian Fellowship Breakfast - Brown Room - 2nd floor  
 USDA Accreditation - Carroll Ford Room - 2nd floor  
 One Health/Regulatory - Breathitt Room - 2nd floor  
 Small Animal A - French Room - 3rd floor  
 Small Animal B - Segell Room - 3rd floor  
 Small Animal C - Jones Room - 3rd floor

Food Animal - Combs Chandler Room - 2nd floor  
 Veterinary Technician - Stopher Room - 2nd floor  
 Past Presidents' Lunch - Willis Room - 2nd floor  
 Breaks - Clements Room - 2nd floor  
 Past Presidents' Lunch - Willis Room - 2nd floor



- **Jerry Allen, DVM**, Monticello, KY. 34 years practice experience, practice ownership experience. Available for small animal relief work in the South Central KY area (roughly, along TN border up to Lexington, west to Bowling Green area, east to around Hazard). Surgery and medicine or either one if desired. Can do limited Large animal, need to discuss in advance. Available for part time or a full time position. email: drjmallen@gmail.com Text only to: (606) 307-2926
- **Dr. Sueleal (Sue) Berlin**, small animal medicine and surgery relief services, Kentucky and Indiana, 502-338-2776, berlinrs@bellsouth.net.
- **Dr. Tracy Boehm**, Relief and part-time, Northern KY and Greater Cincinnati, Small Animal. 859-803-4987 or sdrgrc@yahoo.com
- **Dr. C. Perry Brown**, 2444 Lexington Road, Winchester, Kentucky 40391 SA. 859-745-1050 email: lbrown32@bellsouth.net
- **Dr. Mark Butler**, Available for small animal relief work throughout Northern Kentucky and Southwest Ohio. More info and resume available. Contact: 1106 Mt Zion Rd., Union, KY 41091 markbutlerdvm@gmail.com 859-534-0658 (home), 740-705-1500 (cell)
- **Dr. Randall M. Collins**, Small animal relief veterinarian for the Bowling Green, Ky. area. 615.325.3877.
- **Dr. C. Wynne Collins, MVB**. Available for small & large animal work in the Louisville & Lexington areas. Please contact for resume. Licensed in KY. 717-521-7585.
- **Dr. Stephanie Crowe**, SA relief services, surgery (soft tissue and limited ortho), internal medicine, emergency, spay/neuter, experienced, references available, contact doc.crowe.01@gmail.com, 270-307-3473
- **Dr. Blaire Cullman-Clark**, SA general practice relief veterinarian in the Louisville area. Internship trained, four years of emergency experience. Contact: blaireccvet@gmail.com or (859) 433-7832.
- **Dr. Emily (Emma) Dawson**, Greater Louisville and Southern Indiana Area. SA primarily, limited exotic/equine. Please call or email with any inquiries at (502) 608-6108 or auvet07@gmail.com
- **Dr. L. Dapkus**, Small Animal relief veterinary services, long or short term, willing to travel. 859/623-8461.
- **Julia Gawley, DVM, CVSMT** - 10+ yrs experience in small animal medicine, surgery and spinal manipulative therapy. Available for Louisville/Lexington area. Call 502-439-5442 or email jfgawley@gmail.com.
- **Dr. Neil M. Gruber**, 313 Jordan Way Drive, Carroll County KY 41008, MP, LA, SA, EQ, Mixed animal practitioner. Licensed in KY & IN. Have Category II USDA accreditation, DEA licence, & Indiana CSR license. Contact the address above or via e-mail/phone: neil1440@gmail.com/502-525-2086
- **Dr. Dianne Hellwig**, 1994 graduate. General medicine. No surgery. Willing to travel within a 30-mile radius of Lexington. Available Monday through Saturday. 859-200-2294. diannehellwig1@gmail.com (19)
- **Dr. Neil M. Gruber**, 313 Jordan Way Drive, Carroll County KY 41008, MP, LA, SA, EQ, Mixed animal practitioner. Licensed in KY & IN. Have Category II USDA accreditation, DEA licence, & Indiana CSR license. Contact the address above or via e-mail/phone: neil1440@gmail.com/502-525-2086 (19)
- **Dr. Drew Hestad** Available for small animal relief work in the Lexington area. vetsdayoff@gmail.com, 859-667-4796
- **Dr. Shawna Jackson** - Small Animal and Exotic Pet Relief Veterinarian with 20+ years experience. Available for work in Lexington and surrounding area. Resume, rates and references available. Contact: 803-509-4183 or jacksonvetservices@gmail.com
- **Dr. Tracy Jenkins**, Lexington, KY. SA exclusive, 20 years experience, will travel. References available. Phone (859) 797-3888, email: tj3600@windstream.net.
- **Dr. Emily Johnson**, 502-382-8711 - Small animal. Central Kentucky and Louisville areas.
- **Dr. Dacelle Peckler**, LA & SA Medicine and Surgery. Will cover extended periods of time, entire state of KY, will cover emergency & ambulatory (provide vehicle), evening on call staff. Walnut Grove Farm Veterinary Relief Services; 115 Butler Street; Paris, KY 40361 ph: 859-338-6247 (leave message) fishingdocp@aol.com or wirehorselady@yahoo.com.
- **Dr. Jessica Perpich**, small animal, emergency and spay/neuter in and around Louisville, willing to travel up to 50 miles outside of Louisville. Contact 517-862-8632 or email: jpreliefvet@gmail.com.
- **Dr. Jennifer Quammen**, Walton, KY, 41094. SA medicine and surgery (ST and Ortho), limited exotic. Northern and Central KY. (859) 474-0369 DrQ.Vet@gmail.com
- **Dr. Lionell T. Smith**, 6307 Apex Dr., Louisville, Ky. 40219. Cell# (502) 593-3610, Home# (502) 290-3619. SA. Will Travel.
- **Dr. Cathy Scott**, Small Animal, will work in Louisville metro area. (772) 201-8356, CathyScottdvm@gmail.com
- **Dr. Katie Todd**, SA relief services in the Louisville area. Emergency, general practice, spay/neuter. Contact (502) 457-3055 or kttodd@gmail.com
- **Dr. Phil Topham**, TravelDVM97@windstream.net Phone (330) 592-7256
- **Dr. Catherine Whelan-White** 20+ years experience SA, EQ (esp reproduction) plus Emergency. All cattle. Surgery. Email or phone for info and \$, Catwhelan@hotmail.com (502) 715-3735

**If you are working as a relief veterinarian and would like your name listed, please contact the KVMA at (800) 552-5862, fax (502) 226-6177 or e-mail: kvma@aol.com and we will be glad to add you to our list.**

SA - Small Animal, LA- Large Animal, EX- Exotics, EQ- Equine

## VETERINARIAN/STAFF WANTED

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**FT Associate Veterinarian-** We are currently a 2 doctor small animal practice looking to replace full time doctor in Finchville, KY (Shelby County). No after-hour on call. We have in house labs, x-ray, ultrasound, and dental equipment. Potential buy-in option. Competitive salary and full benefits. Email [finchvilleanimalhospital@gmail.com](mailto:finchvilleanimalhospital@gmail.com) (F19)

**Seeking SA Emergency Relief Services for short-term or long-term availability.** Hours primarily Saturday and Sunday day or evening at a weekend-only emergency practice located in Paducah, Kentucky. We operate on all holidays. Our facility currently handles emergency services for surrounding veterinary hospitals beginning on Friday at 5pm until Saturday 6am. Then Saturday 12pm until Monday morning at 6am. We have an amazing support team of experienced LVT's, inhouse Idexx laboratory, digital radiography, and more. Please email any questions to Shannon Edwards at [s.edwards@greatervisionvetcare.com](mailto:s.edwards@greatervisionvetcare.com) (F19)

**Licensed veterinary technician** for laboratory animal department at University of Louisville. Daily duties will primarily be seeing sick rodents, developing treatment plans, and communicating those plans with researchers and veterinarians. Some duties are for non-rodent species. Minimum pay is \$17/hr and excellent benefits. Excellent position for a new graduate or seasoned technician looking for an exciting new adventure outside of private practice. Full job details can be found at: <http://louisville.edu/hr/employment/jobs/>. (S19)

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**Veterinary Technician** in Lexington, KY, available June, 2019. Full time includes weekend/holiday kennels. Duties include: use of technical skills, animal care, monitoring patients, cleaning, client communications, and front desk. Must be dependable and hardworking. Must have experience. Benefits available. Send cover letter and resume. email PDF: [Southlandvet@gmail.com](mailto:Southlandvet@gmail.com) (S19)

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## PRACTICES FOR SALE/LEASE

### Practices For Sale:

KY: Feline Only, solo practice, Real Estate Available (KY803)

KY: Growing Small Animal Practice, 2 DVM, L/A potential, Real Estate Available, (KY807)

KY: NEW! Growing Louisville Small Animal Practice, 1+ DVM, real estate available (KY909)

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**Practices for Sale:** North Carolina: Thriving Equine! Gross +\$975K. 6,250sf facility with +/-5.5 acres. NC12.

Montana: Mixed! Modern facility with state-of-the-art equipment. 2015 Gross +\$862K. MT1.

Texas: Mixed! Multi-Doctor. Gross +/- \$2.8. 15,000sf SA and 18,500sf LA with +/-5.5 acres. TX5.

Iowa: Mixed Animal. Profitable 3,696 sf facility w/RE. Gross +\$405K. +/-95% SA, 5% LA. IA1. PS Broker 800.636.4740 [psbroker.com](http://psbroker.com) [info@psbroker.com](mailto:info@psbroker.com)

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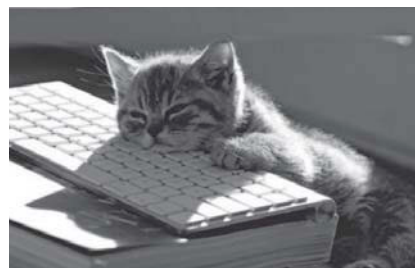
*Strategic Budgeting*

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J. A. Keith, D.V.M., M.B.A., M. Econ

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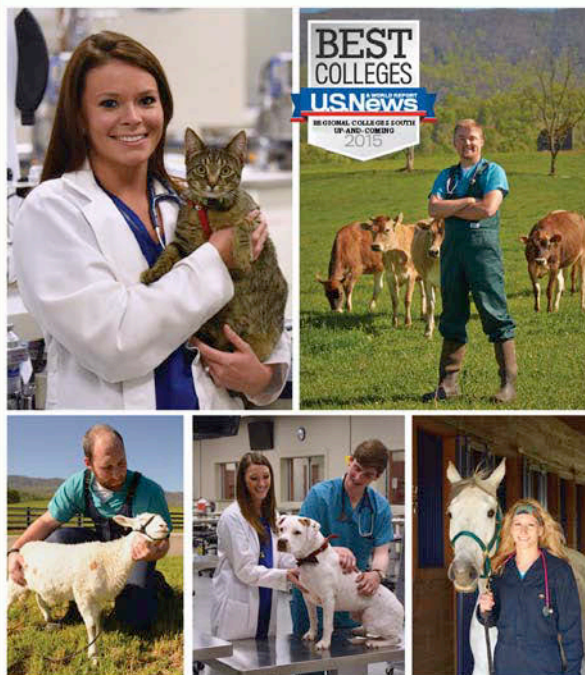
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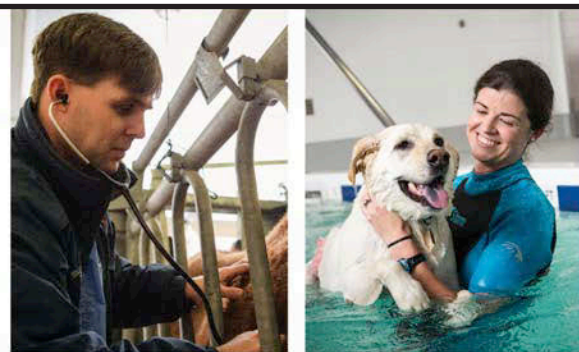


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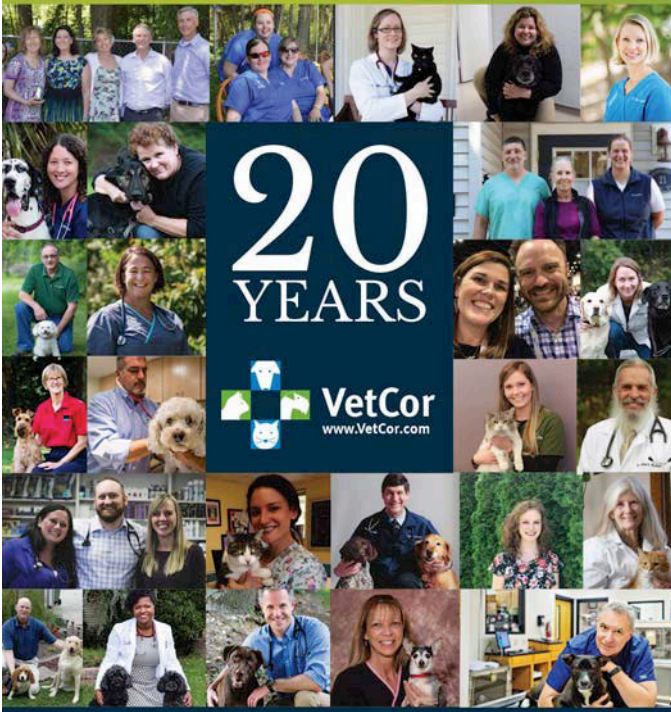
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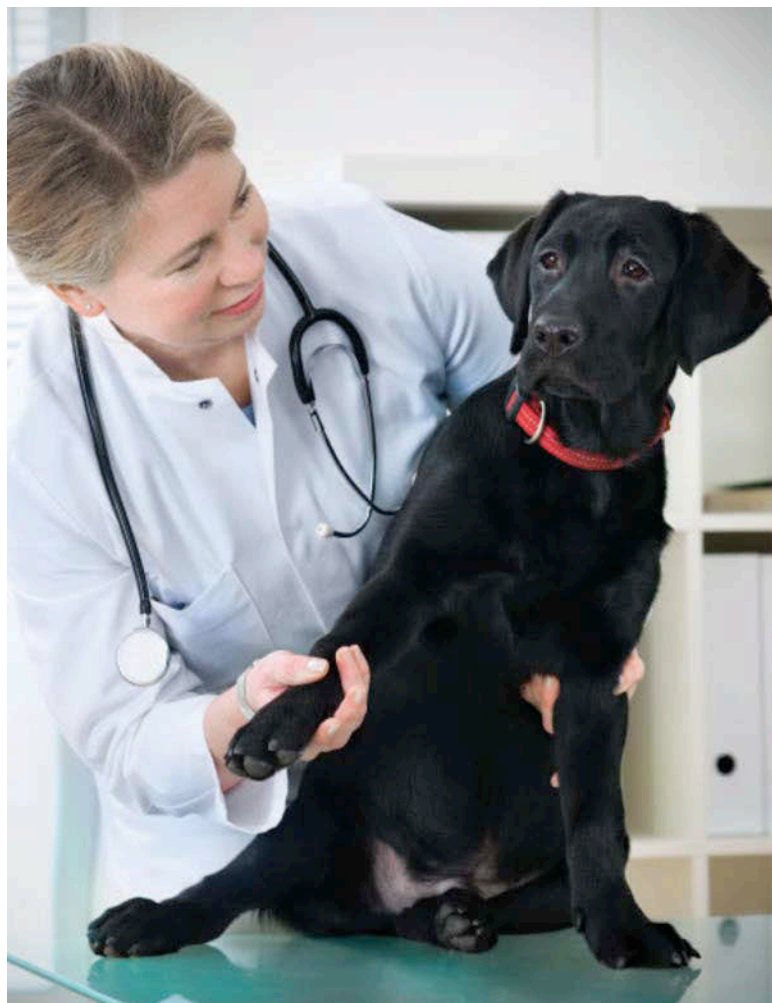




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