



MONTANA VETERINARY MEDICAL ASSOCIATION

2021 SUMMER MEETING

August 27 - 28, 2021 | Copper King Hotel and Convention Center | Butte, Montana

Hotel – Reserve Your Room Today!

Copper King Hotel and Convention Center

4655 Harrison Ave. | Butte, MT 59701

MVMA room block available at the rate of \$119/night plus taxes. Discounted rate honored until sold out or July 26, 2021. To make reservations, call the hotel at 406.565.5001 and ask for Lisa at extension 533 or go online at: <https://www.choicehotels.com/reservations/groups/VA87K8>

Butte Area Activities

Following are a few of the Butte area attractions. For more information about “The Richest Hill on Earth,” search <https://butteelevated.com>.

BERKELEY PIT

pitwtch.org

From 1955 until 1982, the Berkeley Pit produced enough copper to pave a four-lane highway, four inches thick, from Butte to Salt Lake City, Utah and 30 miles beyond. When mining operations ceased in 1982, the underground pumps were shut off, and the Berkeley Pit began filling with acidic water, heavy metals and unique microscopic lifeforms. The Pit with its water and colorful landscape can be seen via a visitor viewing stand.

OUR LADY OF THE ROCKIES

ourladyoftherockies.net

The ninety-foot statue, Our Lady of the Rockies, sits serenely atop the East Ridge keeping vigil on the community of Butte. The story of Our Lady is one of love, dedication, and faith. A half-day tour on a winding mountain road presents the visitor with a spectacular view and an inspiring story.

MONTANA TECH MINERAL MUSEUM

mbmg.mtech.edu

View educational displays and spectacular minerals from Montana and around the world. Prize specimens in the Montana collection include the Rheanna’s Star, an incredible smoky quartz cluster, and a 27.5 oz Highland Centennial gold nugget, both found in the Butte area.

BUTTE TROLLEY TOUR

buttechamber.org

Take an hour and a half tour of Butte’s best history with Butte’s best historians.

COPPER KING MANSION

thecopperkingmansion.com

The Mansion is a 34-room residence, built in Romanesque Revival Victorian architecture from 1884 to 1888, as the residence for Copper King W.A. Clark. The home is among several architectural treasures included in one of the largest historic landmark districts in the country.

Registration

14 Continuing Education Credits

Pre-Register before July 31 (includes two breakfasts, two lunches, Trade Show Dinner and refreshment breaks)

- MVMA Member - \$330
- Non-Member - \$460
- Technician/Office Staff - \$155

After July 31 or On-Site Registration (no meal tickets guaranteed)

- MVMA Member - \$370
- Non-Member - \$500
- Technician/Office Staff - \$195

Free for CVM Students or Life Members (pre-registration is required; individual meal tickets can be purchased)

Online: Quickest and easiest – pay by credit card @ www.mtvma.org

Mail: Complete the enclosed registration form and mail with payment to: MVMA, P.O. Box 6322, Helena, MT 59604

Questions? Call Jenny Bloomquist, MVMA Association Coordinator, at 406-447-4259 or email at jennyb@montana.com

Proceedings will be available online one week prior to the meeting. Printed proceedings will not be available at the meeting.

AGENDA

**THANK YOU
MEETING
SPONSORS!**

**PLATINUM
LEVEL**



Thursday, August 26

3:00 - 5:30 pm MVMA Board of Directors' Meeting

Friday, August 27

6:00 - 8:00 am Registration

7:00 - 8:00 am Breakfast Buffet

8:00 am - Noon

Small Animal Session

4.0 CE

Jay Tischendorf, DVM

Founder and Director, American Ecological Research Institute (—AERIE)

Humans, Animals, and Zoonotic Diseases - "Till Death Do Us Part"

If nothing else, the COVID-19 Pandemic has demonstrated the incredible power of zoonotic disease, even in our modern world. Animal health workers are at high risk for diseases transmitted by animals and thus historically have had at least some familiarity with zoonoses. This engaging program shines light on Mankind's long and tense relationship with zoonotic diseases and highlights several diseases of special interest, including some late-breaking important information. The bottom line is that one takes zoonotic disease lightly at their own peril. This presentation will also help equip its participants with better information on how to protect themselves, their teams, their animals and their patients from the potentially devastating effects of zoonoses.

Large Animal Session

4.0 CE

Dean A. Hendrickson, DVM, MS, DACVS

ACVS Founding Fellow, Minimally Invasive Surgery (Large Animal Soft Tissue), Professor of Surgery, Department of Clinical Sciences, College of Veterinary Medicine and Biomedical Sciences, Colorado State University

Wound Bacteria – Are we helping or creating problems with our current therapies

Concepts of wound bacteria/biofilm and their involvement in wound healing with an emphasis placed on the use of antiseptics in bacteria management

Wound Preparation, Debridement and Evaluation

Wound preparation and debridement featuring techniques for effective wound debridement

Wound Closure: Primary and Delayed Primary Closure and Skin Grafting

Basic suture materials and wound characteristics needed for primary and delayed primary wound closure with an introduction of basic skin grafting techniques

Wound Healing: Second Intention Healing

Advanced wound care dressings and moist wound healing concepts that are used in second intention healing

Noon - 1:30 pm

Lunch Buffet

MVMA Committee Meetings

1:30 - 4:30 pm

Small Animal Session

3.0 CE

Jay Tischendorf, DVM

Infections and Injections - Practical Immunology and Vaccinology for the Busy Practitioner

Next to clean water and handwashing, vaccines have arguably had a greater impact on public health than any other entity. This program provides a welcome, real world, objective, non-promotional refresher on the sometimes confusing - and increasingly controversial - world of vaccines and the amazing, complex immunological systems and processes that underlie them. The presentation touches upon both human and animal diseases, but is focused principally upon practical, clinically relevant science and information for those who work in the trenches of practice.

Large Animal Session

3.0 CE

Dean A. Hendrickson, DVM, MS, DACVS

Wound Cases

A series of wound care cases to put the morning's lectures into perspective

Sedation and Pain Relief for Standing Surgeries

Topics of sedation and pain relief for the standing surgical patients including local anesthetics, alpha-2 agonists, and opioids

Adult Female Urinary Surgery

Common female urinary surgeries with an emphasis placed on procedures that can be done in the field

Adult Male Urinary Surgery

Common male urinary surgeries with an emphasis placed on procedures that can be done in the field

5:00 - 9:00 pm

Trade Show Opening and Dinner

"Come on Ore to Butte to Reconnect, Reengage and Reenergize"

Our exhibitors are trusted allied industry partners who generously support the conference. Be sure to come visit with them and check out their fun mining themed booths while enjoying dinner and a no-host bar. This will also be a wonderful opportunity to reengage with your peers from across Montana! In addition, MVMA Honor Roll members will be introduced and you will have an opportunity to support an AVMA Pac Fundraiser.

AGENDA

Saturday, August 28

6:00 - 8:00 am Registration

7:00 - 8:00 am Breakfast Buffet and Trade Show

8:00 am - Noon Small Animal Session 4.0 CE

Kevin Kaiser, DVM, DACVO

Animal Eye Clinic of Spokane, Adjunct Professor,
Washington State University College of Veterinary Medicine

Managing Canine Glaucoma and Other Ocular Emergencies

The two-hour lecture will focus primarily on the frustrations associated with canine glaucoma and the importance of determining the underlying cause. What is the appropriate treatment? What medications are available? Are there surgical options? What is the success rate? When should the eye be removed? These are some of the common questions that will be answered. The second portion of the lecture will cover other ophthalmic emergencies and how to handle these situations and the treatment options available.

Appropriately Identifying and Treating Canine Corneal Ulcers

Canine corneal ulcers are a common occurrence in veterinary medicine. This lecture will cover recognizing various types of corneal ulcerations including indolent corneal ulcers, melting ulcers, complicated stromal ulcers and corneal ruptures. Appropriate treatment options for the various ulcerations will be discussed and how to determine if referral is needed.

Navigating Feline Ocular Surface Diseases

It is easy to blame feline herpes viral infection for all feline ocular diseases, but that would be too easy. The lecture will discuss common corneal diseases seen in our feline patients and how to address the frustrations associated with treating this commonly reoccurring conditions.

Large Animal Session 4.0 CE

Frank Mitloehner, Ph.D.

Professor & Air Quality Specialist, Director, UC Davis
CLEAR Center

The 2050 Challenge – Feeding a Growing Global Population without Depleting our Natural Resources

The global human population is predicted to increase to nearly 10 billion by 2050. This presentation discusses challenges and opportunities to satisfy the human demand for animal-based foods without depleting the world's resources.

Facts and Fiction Around Livestock's Impact on Air Quality and Climate

The UN FAO's report "Livestock's Long Shadow from 2006," compared the impacts of livestock with those of the transportation sector. This report marked the starting point of an unprecedented global campaign against animal agriculture. This talk separated facts from fiction in this space.

Rethinking Methane - The Path to Climate Neutrality

Livestock remains in the crosshairs of the climate change discussion. The most important greenhouse gas from animal agriculture is methane, a short-lived climate pollutant with unique effects on the warming our planet. This presentation sets the tone for a change in the narrative around livestock's impact on climate.

Noon – 1:30 pm Lunch Buffet and General Membership Meeting

1:30 – 4:30 pm Small Animal Session 3.0 CE

Kevin Kaiser, DVM, DACVO

Diabetic Cataracts and Other Complications of the Canine Lens

The lens is a unique structure and can have a detrimental impact on the health of the eye when it undergoes changes. The workings of the lens as well as common lenticular pathology will be discussed. A large portion of the hour will be devoted to discussing cataracts with an emphasis on diabetic cataracts and how to manage lens induced uveitis both medically and with the surgical option of phacoemulsification.

Common Ophthalmic Mistakes and Misconceptions

There are many treatment options for common ophthalmic diseases. This conversation will discuss how treatments that may have been once considered common, may now no longer be considered ideal. The lecture will also cover potential ocular side effects associated with some commonly used medications. The session will end as an open discussion to address questions regarding cases, treatments, and current scientific literature recommendations for certain ophthalmic diseases.

Large Animal Session 3.0 CE

Frank Mitloehner, Ph.D.

Key Actions to Reduce Livestock's Contributions to Climate Change

Animal agriculture will have to adapt to a warming planet. Besides adaptation, there is significant room for reduction of greenhouse gases, via feeding, manure management and carbon sequestration strategies. Reductions of these GHGs will position animal agriculture as a sector that provide solutions to lower warming of our climate.

How Ballot Derived-Public Policy Initiatives Affect Welfare of Calves and Poultry in California

California is often at the forefront of animal housing and husbandry initiatives, such as Prop 2 and Prop 12, both of which passed with large margins. This presentation will discuss the repercussions of such Propositions and how they affect the health and welfare of both calves and poultry, respectively.

THANK YOU
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SINCE 1927

SPEAKERS

Jay Tischendorf, DVM

Founder and Director

American Ecological Research Institute (—AERIE)

Dr. Jay Tischendorf is a veterinarian and wildlife biologist with special interests ranging widely from anesthesia, cardiology, dermatology, and parasitology to One Health, emerging infectious diseases and zoonoses. The founder and director of the American Ecological Research Institute (—AERIE), Dr. Tischendorf has a BS degree in Zoology from Ohio University and a DVM degree from Colorado State University. With experience spanning field biology and scientific research, clinical practice, and service in the pharmaceutical industry, Dr. Jay has literally worked across the entire North American continent and in Central America and Canada, as well. He is certified as an Expert Animal Cruelty Investigator and serves as scientific advisor and trainer with the National Animal Care and Control Association, the Law Enforcement Training Institute at the University of Missouri, and the National Wildlife Control Operators Association. Additionally he is Human-Animal Bond and Fear-Free Certified, as well as a member of the Pet Industry Joint Advisory Council Zoonoses Committee. Dr. Jay previously served as adjunct faculty at the University of Great Falls in Montana and is a former wildland firefighter and US Marine.

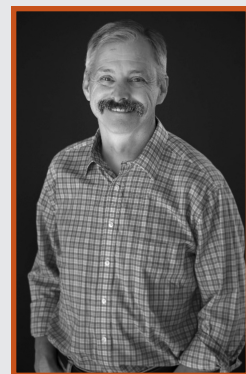


Dean A. Hendrickson, DVM, MS, DACVS

ACVS Founding Fellow, Minimally Invasive Surgery (Large Animal Soft Tissue)

Professor of Surgery, Department of Clinical Sciences, College of Veterinary Medicine and Biomedical Sciences, Colorado State University

Dr. Hendrickson received his DVM from Colorado State University in 1988 and completed an Equine Surgery and Medicine Internship at the University of Sydney, Sydney Australia in 1989. He was accepted into and completed the three-year combined Large Animal Surgery Residency and Master of Science program at Cornell University in 1992. He became a faculty member in the Department of Surgical Sciences at the School of Veterinary Medicine at the University of Wisconsin-Madison in August 1992. He joined the Department of Clinical Sciences at Colorado State University in December 1994 as an Equine Surgeon. He has served as VTH Hospital Director and the Associate Dean for the DVM program at CSU. His primary clinical interests are in Equine Wound Care and Minimally Invasive Surgery and has spoken nationally and internationally on both subjects. He has authored papers and book chapters on the use of Endoscopic Surgery. He completed a textbook on Equine Wound Care and has authored chapters in other books on equine wound care. He recently completed the 4th Edition of Turner and McIlwraith's Large Animal Surgical Techniques. He consults with various Zoological Societies regarding large and megavertabrate species. He has been part of a team that is working on population management of elephants in southern Africa.



**Special
recognition
goes to
Ed Peretti, DVM,
MVMA President
and Program
Chair of the 2021
Summer Meeting,
for the diligent
efforts he devoted
to planning
this event.**

SPEAKERS

Frank Mitloehner, Ph.D.

*Professor & Air Quality Specialist
Director, UC Davis CLEAR Center*

Dr. Frank Mitloehner is a professor and air quality specialist in cooperative extension in the Department of Animal Science at UC Davis. As such, he shares his knowledge and research, both domestically and abroad, with students, scientists, farmers and ranchers, policy makers, and the public at large. Frank is also director of the CLEAR Center, which has two cores – research and communications. The CLEAR Center brings clarity to the intersection of animal agriculture and the environment, helping our global community understand the environmental and human health impacts of livestock, so we can make informed decisions about the foods we eat and while reducing environmental impacts.



Frank is committed to making a difference for generations to come. He is passionate about understanding and mitigating air emissions from livestock operations, as well as studying the implications of these emissions on the health of farm workers and neighboring communities. In addition, he is focusing on the food production challenge that will become a global issue as the world's population grows to nearly 10 billion by 2050.

Frank received a Master of Science degree in animal science and agricultural engineering from the University of Leipzig, Germany,

and a doctoral degree in animal science from Texas Tech University. Frank was recruited by UC Davis in 2002, to fill its first-ever position focusing on the relationship between livestock and air quality.

Kevin Kaiser, DVM, DACVO

*Animal Eye Clinic of Spokane
Adjunct Professor, Washington State University
College of Veterinary Medicine*

Dr. Kevin Kaiser graduated from Washington State University College of Veterinary Medicine in 2000. Following graduation, he practiced with a mixed animal clinic in Walla Walla, Washington for nine years. An interest in ophthalmology led him to seek a residency program. After finishing his residency in 2012, Dr. Kaiser successfully completed his board certification requirements and became a diplomate in the American College of Veterinary Ophthalmologists. He currently works at Animal Eye Clinic of Spokane in Spokane, Washington and is adjunct faculty at Washington State University. His clinic has a relationship with Washington State University that allows senior veterinary students to spend a two-week rotation with the clinic prior to graduation. This allows them an opportunity to gain exposure to a vast array of ophthalmology cases.



**Early
registration
ends
July 31 - so
register for
the MVMA
2021 Summer
Meeting
today!**

Montana Veterinary Medical Association 2021 Summer Meeting Registration Copper King Convention Center – Friday, August 27 & Saturday, August 28

Registration Available Online! Save postage, time and pay with a credit card: visit our website, www.mtvma.org.

Please Print

Name _____ **First CE meeting?** ☐ Yes ☐ No
As it should appear on your name badge

Clinic _____
Provide only if it is used for your mailing address

Mailing Address _____ **City** _____ **State** _____ **Zip** _____

Phone _____ **Email** _____

Two Day Rate (Friday & Saturday) – includes registration packet and all meals

| Total of 14 CE Hours | Through July 31 | After July 31 | Your Fee (includes meals) |
|--|--------------------|------------------|------------------------------|
| MVMA or VMA Member of Other State (not practicing in Montana) | \$330 | \$370 | |
| Non VMA Member | \$460 | \$500 | |
| <input type="checkbox"/> Technician <input type="checkbox"/> Office Manager | \$155 | \$195 | |
| <input type="checkbox"/> Life Member <input type="checkbox"/> Student No CE Awarded | free | free | |

One Day Rate – includes registration packet and all meals for one day

| Friday: 7 CE Hours | Saturday: 7 CE Hours | Through July 31 | After July 31 | Your Fee (includes meals) |
|--|--|--------------------|------------------|------------------------------|
| MVMA or VMA Member of Other State | Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday | \$265 | \$305 | |
| Non VMA Member | Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday | \$395 | \$435 | |
| <input type="checkbox"/> Technician <input type="checkbox"/> Office Manager | Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday | \$125 | \$165 | |
| <input type="checkbox"/> Life Member <input type="checkbox"/> Student No CE Awarded | Check: <input type="checkbox"/> Friday <input type="checkbox"/> Saturday | free | free | |

| Guest/Life/Student Meals | Guest Name: | Meals Fee – Life, Students, Guests ONLY | |
|-------------------------------|--|---|--|
| Both Days – all meals | | \$100 | |
| One Day | Check: <input type="checkbox"/> Friday | Friday only \$65 | |
| | <input type="checkbox"/> Saturday | Saturday only \$40 | |
| Friday Trade Show Dinner ONLY | | \$30 | |

Please let us know if you and/or your guest have any dietary restrictions:

_____ **Total Amount: \$** _____

Lodging:

A MVMA room block is available at the Copper King Hotel at the rate of \$119/night plus taxes. Discounted rate honored until sold out or **July 26, 2021**. To make reservations, call the hotel at 406.565.5001 and ask for Lisa at extension 533 or go online at: <https://www.choicehotels.com/reservations/groups/VA87K8>

Send Registration to: MVMA
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Helena, MT 59604 fax: 406-442-8018

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info@mtvma.org