

# American Veterinary Medical History Society

“Devoted to the Diffusion of Veterinary History”

## INTERIM NEWS & COMMENT

September 2022

Susanne Whitaker and Helen Wojcinski, reporters

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### AVMHS 2022 Program Summary

Our AVMHS annual meeting this year was held virtually on Monday, July 18, 2022 with 42 members participating. From 6pm-7pm, Craig N. Carter, DVM, PhD, DACVPM, FNP, delivered a wonderful collection of information in his presentation titled, “THE EMERGING CONCEPT OF ONE HEALTH: The Interface of Animal, Human and Environmental Health.” This was followed by the Society’s Annual Business Meeting presided by President Dr. Pat Kennedy Arrington until 8:45pm EDT.

### --- Highlights of One Health Talk

Program-chair and now President Dr. Marianne Y. Ash ([marianneyash@gmail.com](mailto:marianneyash@gmail.com)) is delighted to share the following highlights of Dr. Carter’s talk.

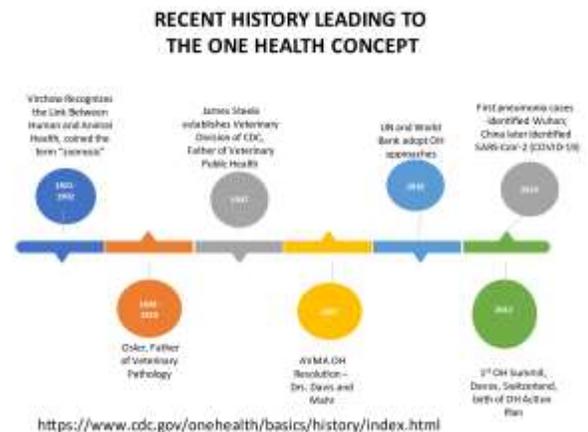
A long-time AVMHS member, Dr. Carter ([craig.carter@uky.edu](mailto:craig.carter@uky.edu)) is Professor, Epidemiology, Veterinary Diagnostic Laboratory, Department of Veterinary Science, College of Agriculture, Food & Environment at the University of Kentucky, Lexington, Kentucky.

The volume of information in his hour-long talk is beyond complete discussion here; however, a brief statement of the four major areas he presented as the ‘Outline for Today’ provides a taste of the accomplishments in One Health thus far and the needs for the future.

The four areas Dr. Carter covered in detail included:

- One Health mini-history
- Review of major epidemics in history
- Some important One Health challenges
- Validation and full adoption of One Health

### I. One Health mini-history



One of his many slides (above) showed the chronological progress in development of the One Health concept.

As society moves forward, he said there is no single, accepted definition of One Health, but the following one developed by the AVMA is most often used.

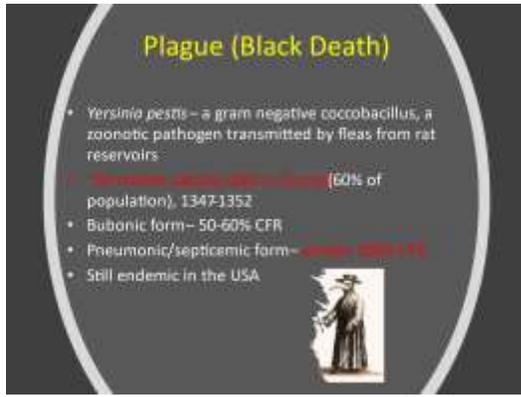
*The integrative effort of multiple disciplines working locally, nationally, and globally to attain optimal health for people, animals, and the environment.*

King L, Anderson L, Blackmore C. Executive summary of the AVMA one health initiative task force. *J Am Vet Assoc.* 2008;233:259–260. doi: 10.2460/javma.233.2.259.

Mackenzie JS, McKinnon M, Jeggo M. One Health: From Concept to Practice. *Confronting Emerging Zoonoses.* 2014 Jul 18:163–189. doi: 10.1007/978-4-431-55120-1\_8. *PubMed Central.*

## 2. Review of major epidemics in history

Among the number of examples of past epidemics Dr. Carter cited and discussed were plague, smallpox, monkeypox, Spanish flu 1918-1919, malaria, COVID-19 pandemic, and other notable human epidemics.



## 3. Some important One Health challenges

Dr. Carter provided further examples of environmental factors impacting all life:

- Global shift of human populations to urban areas
- 68% of world population will live in urban areas
- Habitat degradation is increasing human exposure to animals
- Emerging zoonotic pathogens have increased risk to humans
- Ever increasing international tourism
- Increasingly toxic environment – air, water, soil
- Deforestation and increasing greenhouse gases
- Climate change

## 4. Validation and full adoption of One Health

Dr. Carter was pleased to report that the One Health Initiative has made achievements and is active on a number of fronts. Some have been well accepted and are making good progress 👍, while others either are pending adoption 🗳️, or it has not yet been determined 🤔 how best to proceed in developing productive working relationships. Areas mentioned include:

- Champions – early, then, and now 👍
- Success stories 👍
- Global health agencies 👍
- Education/Scholarships 🤔
- Funded research and peer reviewed literature 👍
- One Health clinical collaboration 🗳️
- Intergovernmental forums 👍
- One Health recognition 🤔
- One Health legislative success 🗳️

Dr. Carter also provided recognition for several One Health leaders and researchers. In particular, he cited James H. Steele, DVM, MPH (1913-2013), “Father of Veterinary Public Health,” who started the Veterinary Division of the US Centers for Disease Control and Prevention (CDC). Dr. Steele is quoted as advising:

“Good animal health is necessary to achieve optimal human health.”

“Good human health is necessary to achieve optimal animal health.”

This 1-hour program was recorded. Members interested in viewing the entire presentation can contact Dr. Zbig Wojcinski ([zwojcinski@gmail.com](mailto:zwojcinski@gmail.com)) for a link.

## --- 2022 AVMHS Annual Business Meeting

The 2022 AVMHS annual business meeting immediately followed Dr. Carter’s presentation from 7pm to about 8:45pm EDT. President Dr. Pat Kennedy Arrington ([bestvet71@aol.com](mailto:bestvet71@aol.com)) served as chair.

Dr. Arrington welcomed all present (virtually) and mentioned that this was the Society’s third virtual annual meeting. She reported that there were 36 attendees for this business meeting, a very desirable number. President Arrington’s address was delivered in an excellent manner and included very strong and meaningful statements.

In addition to her inspirational address to our members, reports of ongoing activities were given. They included progress and status reports from officers, committee chairs, and project leaders concerning the Membership Committee, Student Veterinary History Essay Contest, *Veterinary Heritage*, *News & Comment* Newsletter, Registry of Heritage Veterinary Practices, Time-Bites Project, Oral History Committee, Veterinary Museum Directory Committee, Website, and *Guideposts for Veterinary Professionals* publication. Dr. Fred Born’s historical ornament project was approved (see page 5 below) and the officers and board members were elected for 2022-2023. See “Introducing New Officers” below.

Copies of the 2022 Minutes that include full text of President Arrington’s address are available upon request from the Secretary-Treasurer.

## Meeting Summary in JAVMA News

For many years, a summary of the Society’s activities has appeared in a fall issue of the *Journal of the American Veterinary Medical Association*, and more recently is being posted online. Our 2022 report can be found in the

AVMA News Bulletin (as of September 14, 2022) at <https://www.avma.org/news/american-veterinary-medical-history-society-july-18-2022>

## 2022–2023 AVMHS Officers and At-Large Board Members

As presented by the Nominating Committee at the annual meeting, the following slate of 2022–2023 AVMHS officers was elected for the current year:

### President

Dr. Marianne Y. Ash (*Lafayette, IN*)

### President-elect/Program Chair

Dr. John de Jong (*Newton, MA*)

### Past President

Dr. Pat Kennedy Arrington (*Louisville, KY*)

### Secretary-Treasurer

Susanne Whitaker (*Ithaca, NY*)

### At-large Board members

Dr. Margaret Brosnahan (*Scottsdale, AZ*)

Dr. Arnold L. Goldman (*Canton, CT*)

Dr. Shannon Greeley (*Burbank, IL*)

Dr. John Howe (*Grand Rapids, MN*)

## Introducing New Officers

AVMHS is pleased to welcome and introduce several new officers and board members for 2022-2023.



### Marianne Y. Ash, DVM, MVPH, DACVPM, FNAP ([marianneyash@gmail.com](mailto:marianneyash@gmail.com))

is a Purdue University DVM graduate who received her MVPH from the University of Sydney. She has served as the Director of the Division of Animal Programs for the Indiana State Board of Animal Health (BOAH) and served as Adjunct

Professor at the Department of Veterinary Sciences, School of Veterinary Medicine at Purdue.

Before joining the State Board of Animal Health, she was staff veterinarian for an integrated swine and poultry company in central Indiana. Some related awards include the Purdue Women in Agriculture Leadership Award (2013), the Helwig-Jennings Award (2014) for outstanding service to the American College of Veterinary Preventive Medicine, and the Carroll County Agriculture Hall of Fame.

Following 45 years of veterinary service, Dr. Ash retired from her work in the first week of August 2022. Her

service was for 25 years in agricultural veterinary medicine followed by 20 years in regulatory veterinary medicine. She has considered that her time of service throughout her career has been a great gift to her. She wants to thank all our members for making our world better, not just by providing an abundant supply of wholesome and safe food but by creating a sense of community and caring that makes life more special.



### John H. de Jong, DVM ([drjdejong@comcast.net](mailto:drjdejong@comcast.net))

chaired the AVMA Board of Directors in 2015-2016 and served as AVMA President in 2018-2019. A Tufts graduate, companion animal veterinarian, and experienced veterinary surgeon, he owns the Boston Mobile Veterinary Clinic and is the former owner and Medical Director of Newton Animal Hospital. Dr. de Jong is also past president of the Massachusetts and New England Veterinary Medical Associations, as well as the American Association of Housecall Veterinarians. He has served as Treasurer of the World Small Animal Veterinary Association 2020-2022 and is currently the President Elect of the World Veterinary Association. In addition to receiving the Massachusetts VMAs Distinguished Service Award, he is on the board of trustees at Tufts University and serves on the board of advisors for the Cummings School of Veterinary Medicine at Tufts University.



### Margaret "Peggy" Brosnahan, DVM, MS, PhD, DACVIM

([mmb263@cornell.edu](mailto:mmb263@cornell.edu))  
([mbrosn@midwestern.edu](mailto:mbrosn@midwestern.edu))

is currently Associate Professor of Equine Medicine at the Midwestern University College of Veterinary Medicine in Glendale, Arizona. After earning her DVM at Tufts University's Cummings School of Veterinary Medicine, she was awarded an MS from Oklahoma State University and a PhD from Cornell University. In addition to her interest in teaching and clinical work in neonatology, cardiology, gastrointestinal diseases, exercise physiology and athletic performance, and equine welfare in general, Dr. Brosnahan is actively involved in areas of research related to immunology and infectious diseases with the Institute for Healthcare Innovation at Midwestern to advance medicine for people and animals.



**Shannon Greeley, DVM**  
([animalassociate@aol.com](mailto:animalassociate@aol.com))

grew up in Central Illinois. After graduating from the University of Illinois College of Veterinary Medicine in 1994, she moved to Chicago to work in small animal practice. Then, in 2007, she became the owner and medical director of Scottsdale Animal Clinic, which serves a variety of small animals, including dogs, cats, ferrets, rabbits, rodents, and reptiles. Dr. Greeley is Past President of the Chicago Veterinary Medical Foundation (CVMF), Legislative Committee Chairman of the Chicago Veterinary Medical Association (CVMA), and serves on the Museum and History Committee of the Illinois State Veterinary Medical Association (ISVMA). She served as President of the CVMA in 2008 and was a member of the American Veterinary Medical Association's Task Force on Diversity in Veterinary Medicine.

**AVMA President's Award to Dr. Littlefield**



Congratulations to Dr. Martha Littlefield, AVMHS past president and chair of the Essay Contest Committee! At the President's Reception during the AVMA convention in Philadelphia this past July 29, Dr. Littlefield ([drmarthalittlefield@icloud.com](mailto:drmarthalittlefield@icloud.com)) was one of 3 recipients of the President's Award given by 2021-22 AVMA President, Dr. José Arce. This award "recognizes individuals or groups making a positive impact on health, veterinary organizations, or the profession." Dr. Littlefield was honored for all she has contributed to the profession during her multifaceted career:

"Dr. Littlefield (Louisiana State '82) has practiced small animal medicine in Baton Rouge, Louisiana; served as Louisiana assistant state veterinarian; and taught at Louisiana State University School of Veterinary Medicine, from which she retired in 2019 as a clinical associate professor of anatomy. She teaches students remotely at St. Matthew's University School of Veterinary Medicine in the Cayman Islands and

continues to teach acupuncture anatomy to fourth-year veterinary students at Louisiana State. In addition, Dr. Littlefield has served on numerous councils and committees of local, state, and national veterinary organizations. In 1986, she established the Louisiana State Animal Response Team, which provides disaster training, response, and shelters to state, parish, and local areas."

Association recognizes recipients of AVMA Excellence Award 2022. *J Am Vet Med Assoc.* 2022;260(11):1265-1266.

Brett, Hinkle, Littlefield receive AVMA President's Awards. *AVMA News.* Aug 11, 2022.

<https://www.avma.org/news/brett-hinkle-littlefield-receive-avma-presidents-awards>

AVMA presents 3 honorees with President's Awards. *DVM360.* August 2, 2022.

<https://www.dvm360.com/view/avma-presents-3-honorees-with-the-president-s-awards>

**Dr. Goldman for AVMA President-Elect**



AVMHS Life and Board member Dr. Arnold L. Goldman ([drarne@comcast.net](mailto:drarne@comcast.net)) announced his candidacy for 2023-2024 AVMA president-elect during the House of Delegates meeting in July. Dr. Goldman has been active in local, regional, and national professional associations holding a number of leadership and committee positions, including serving as AVMA Board of Directors Treasurer (2017-2023). He is founder, owner, and medical director of the Canton Animal Hospital in Canton, Connecticut.

Citing recurrent themes of unity, professionalism, and service as the essence of the veterinary medical profession in his opening statements to the Delegates, Dr. Goldman said,

"As your president-elect and president, I will tirelessly promote these values as the basis of who we are" ... "Unity among us is essential for success in preserving our profession's vital standing throughout society."

"We must also strive to preserve our public image as professionals. Doing so requires cultivation and reinforcing the characteristics of professionalism, competence, conscientiousness, honesty, respect for clients and colleagues, and emotional intelligence. ... "Finally, we deeply value our reputation for caring and our acknowledgment of our duty of service. It's what makes our profession unique,

revered by the public, and is the essence of the Veterinarian's Oath."

Larkin M. Three candidates vie for AVMA's top spot. *J Am Vet Med Assoc.* 2022;260(12):1429-1430.

<https://www.avma.org/news/three-candidates-declare-avmas-top-spot>

Best wishes, Dr. Goldman!

### Dr. Jan Krehbiel Honored by Alumni Award

Dr. Susan Aiello ([susan@words-world.net](mailto:susan@words-world.net)), an MSU graduate, alerts us to the special alumni service recognition recently awarded to former AVMHS board member Dr. Janver Krehbiel, professor emeritus, former interim associate dean for Academic Programs and Student Services at Michigan State University College of Veterinary Medicine in East Lansing.

Dr. Krehbiel was selected as the 2022 Distinguished Alumnus Award recipient by the Kansas State University College of Veterinary Medicine Alumni Association. He was honored at a dual virtual ceremony via Zoom at both KSU and MSU on September 22. An in-person reception was also held for the MSU community. Congratulations, Dr. Krehbiel!



### Museum Committee Meeting September 20

On Tuesday evening, September 20, the newly organized Museum Committee began its first videoconference meeting via Zoom at 8pm EDT. Dr. Zbig Wojcinski ([zwojcinski@gmail.com](mailto:zwojcinski@gmail.com)) served as convener in the absence of chair Dr. Bob Treat ([sbtreat@sover.net](mailto:sbtreat@sover.net)).

Following round-robin introductions, the 9 members present informally discussed various issues related to donation inquiries, need for preservation of books and other memorabilia, and status of museums. The next video meeting will be held later in October and focus on identifying areas for the committee to pursue.

### Dr. Born's Ornaments Project

At the AVMHS annual meeting on July 18, charter member Dr. Fred J. Born ([fjborn@att.net](mailto:fjborn@att.net)) unveiled a

new fundraising project to produce 30 sets of a series of 5 historical wooden ornaments.

Intended to promote history and the Society, the flat 3-inch ornaments will feature a laser etched drawing of an early private veterinary college building—Chicago Veterinary College, McKillip Veterinary College, Harvard University, Kansas City Veterinary College, and Indiana Veterinary College—with AVMHS logo on the back and a green ribbon for hanging. A folded printed leaflet will accompany each ornament with a short paragraph describing the college compiled by Dr. Howard Erickson.



Stained ornaments (reverse side has the AVMHS logo)

Dr. Born is currently staining and applying a protective sealant that will be completed by the end of October. He suggests offering them to AVMHS members at \$50.00 per set.

The motion for acceptance of the project proposal was passed at the annual meeting. Drs. Pat Kennedy Arrington, Shannon Greeley, and Zbig Wojcinski volunteered to advise and help Dr. Born in obtaining appropriate packaging, assembling the sets, taking orders, and mailing the ornaments.

More information about obtaining these ornaments will be provided as soon as they become available for distribution in time for the holidays.

### Books for 2022 Essay Contest Students

Following AVMHS's long-standing tradition, the Society was pleased to send copies of two books to each of the 17 veterinary students who submitted essays to the 2022 Smithcours Student Veterinary History Essay Contest. This was done to thank students for their interest in history and submitting informative papers on aspects of history related to veterinary medicine.

Former essay contest committee chair Dr. Russ Currier ([ruscurreier@aol.com](mailto:ruscurreier@aol.com)) was able to procure copies of the following titles that were mailed this past July:

Lee, Mackenzi. *The History of the World in Fifty Dogs*. Abrams, 2019.

Goodavage, Maria. *Doctor Dogs How Our Best Friends Are Becoming Our Best Medicine*. Dutton, 2019.

Each of the volumes included a customized book plate with the student's name recognizing their effort.

### Historical Murals in Auburn CVM Hospital

In the most recent two N&C issues, beautiful informative historical murals at Kansas State University and Texas Tech University have been presented. In describing the one at Kansas State, Dr. Erickson indicated that *"Auburn has a historical mural too, similar to that at Texas Tech, more words than images. Our dean Bonnie Rush saw this, and it gave her the idea for a mural outside our new auditorium. You might feature Auburn's mural in a future newsletter."*



Historical mural in the Wilford and Kate Bailey Small Animal Teaching Hospital lobby, Auburn University College of Veterinary Medicine. Photo courtesy Sam Hendrix

As per this suggestion, we are very pleased to present the veterinary historical timeline mural from Auburn University College of Veterinary Medicine. AVMHS member Sam Hendrix ([hendrij1@auburn.edu](mailto:hendrij1@auburn.edu)) has kindly provided some photos (see page 10) and the following background:

"As Auburn's College of Veterinary Medicine planned and built its Wilford and Kate Bailey Small Animal Teaching Hospital during 2012-2014, project architects and CVM leadership decided on a unique feature to adorn the public area of the Admissions Desk and clinical waiting room. A colorful and well-illustrated

timeline takes up an entire wall within that space and depicts key moments in (1) Auburn College of Veterinary Medicine history; (2) worldwide scientific and technology advancements; and (3) United States history. The timeline offers clients and visitors to the Teaching Hospital an opportunity to learn of events in those three general areas and to consider how science—and in particular veterinary medicine—has advanced over time. Plaques affixed to support pillars out in front of the timeline offer Auburn development staff the opportunity to recognize donors who have made significant contributions to the SATH project or to the College."

### Fort Ord Station Vet Hospital Update

Military historian Greg Krenzelok ([gregkrenzelok@msn.com](mailto:gregkrenzelok@msn.com)) reports that some positive progress has been made recently in determining the status of the historically significant Fort Ord Station U.S. Army Veterinary Hospital. At a long and contentious meeting on September 7, the Marina City Council voted to approve the concessionaire agreement with Chaparral Country Corporation to provide public recreation facilities and programs, including trail rides, at Marina Equestrian Center Park. In addition, the Marina Equestrian Association group of private horse owners was directed to vacate the Park. They had been using it for personal boarding and past expiration of their contract. See summary of the meeting with background at <https://www.montereyherald.com/2022/09/09/marina-city-council-approves-concessionaire-agreement-for-equestrian-park/>

In another positive development this past July, the National Park Service clarified and confirmed its stand in support of using the Park exclusively for public purposes. Back in 1998, the Department of the Interior had conveyed the 13.5 acres to the City for use in perpetuity as a public park and for public recreation.

While the Fort Ord Station Veterinary Hospital (FOSVH) buildings are far from "safe" yet, Greg says this experience has been heartbreaking to see this wonderful history being hi-jacked by local politics, but feels there may now be opportunities for Dr. Karen Hassan, the non-profit Fort Ord Equine Foundation (<https://www.fortordequinefoundation.org/about-us>), and interested others to move forward and begin discussions with trail ride vendors about the vision of establishing a living history museum in the veterinary hospital with educational exhibits and related events.

Greg appreciates the Society's continued interest and concern for the preservation of the Fort Ord Station Veterinary Hospital, US Army Horse, c1941, the last remaining World War II site of its kind. He will continue to document the progress being made in efforts to save and preserve the hospital facilities.

For information about FOSVH, see

<https://freepages.rootsweb.com/~gregkrenzelo/genealogy/veterinary%20corp%20in%20ww1/fort%20ordeques-triancenter.html>

### 2022 WAHVM Congress in Brescia, Italy

A report on the 45<sup>th</sup> International Congress sponsored by the World Association for the History of Veterinary Medicine (WAHVM) and Italian Association for the History of Veterinary Medicine and Farriery held on August 31-September 3, 2022, in Brescia, Italy, will appear in the next issue of *News & Comment*.

Please see flier and other information at:

[https://www.wahvm.co.uk/files/ugd/abcd2\\_9ed41095ca514487bb2ab4388c341fa8.pdf](https://www.wahvm.co.uk/files/ugd/abcd2_9ed41095ca514487bb2ab4388c341fa8.pdf)



### BVD and Post-WWII Viral Epidemics

A recent research paper by Dr. Abigail Woods is recommended reading for AVMHS members interested in the history of viral epidemics occurring after World War II. Professor Woods uses the case of bovine virus diarrhea identified around 1947 as an example in discussing underlying factors and effects.

This excellent scholarly paper is freely available on the Web from two sources.

Woods A. Writing the history of endemic viral disease: the case of bovine viral diarrhoea, c.1945-1980. *Social History of Medicine*. 2022;35(3):847-866. doi: 10.1093/shm/hkab131. *PubMed Central*,

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9427141/> ;

*Oxford Academic*,

<https://academic.oup.com/shm/article/35/3/847/6527043>

### Meeting and Event Calendar

#### 2022

Oct tba AVMHS Museum Committee Working Meeting

#### 2023

April 15 Student History Essay Contest Deadline

### New AVMHS Members (as of Sept 28)

We are pleased to welcome:

Billy Bergin, DVM (*Kamuela, HI*)

James R. Kenyon, DVM (*Cedar Falls, IA*)

### New Registry of Heritage Veterinary Practices

\*\* No new practices to list at this time\*\*

### New Books and Videos

Badger S, Jeffery A. *Professionalism and Reflection in Veterinary Nursing*. Hoboken, NJ: John Wiley, 2022. ? pgs. ISBN: 9781119664369

Chapter 1: The history of veterinary nursing in U.K.

Elwood C. *Leadership in Veterinary Medicine*.

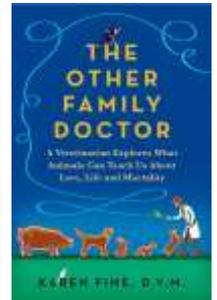
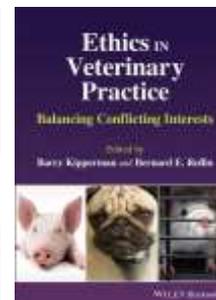
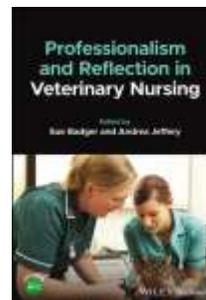
Newark: John Wiley, 2022. 269 pgs. ISBN:

9781119749769

Chapter 2.4. History of veterinary medicine

Fine K. *The Other Family Doctor: A Veterinarian Explores What Animals Can Teach Us About Love, Life, and Mortality*. New York: Anchor Books. 2023. ? pgs. ISBN: 9780593466896

Kipperman B, Rollin BE. *Ethics in Veterinary Medicine: Balancing Conflicting Interests*. Hoboken, NJ: John Wiley, 2022. ? pgs. ISBN: 9781119791195



Purcell AD, Rozema LM, de Hernandez AW, Jackson JM. *No Ordinary Moment: Virginia Tech, 150 Years in 150 Images*. Blacksburg, Virginia: Virginia Tech Publishing [Charlottesville, Virginia]: Distributed by the University of Virginia Press. 188 pgs. ISBN: 9781957213163

\* \* \*

Reyes C, Brewster MP. *Animal Cruelty: A Multidisciplinary Approach to Understanding*. 3<sup>rd</sup> ed. North Carolina: North Carolina Academic Press, 2022. pgs. ISBN: 9781531022327

Send news, comments, and suggestions for the next *News & Comment* to Dr. Helen Wojcinski [helenwojcinski@gmail.com](mailto:helenwojcinski@gmail.com), or to AVMHS Secretary-Treasurer Susanne Whitaker, 23 Wedgewood Drive, Ithaca, NY 14850-1064, phone 607-257-9248 or email [skw2@cornell.edu](mailto:skw2@cornell.edu) or [avmhs.info@gmail.com](mailto:avmhs.info@gmail.com).

“The farther backward you look, the farther forward you are likely to see.”

Winston Churchill (1874-1965)

### Contents of Recent Veterinary History Journal Issues

Copies of articles may be obtained through interlibrary loan services provided by your local college or public library, or from the AVMHS Secretary-Treasurer if unavailable from other sources.

### Recent Journal Articles and Chapters Related to the History of Veterinary Medicine

[No author given]. Royal Army Veterinary Corps' history. *Vet Rec*. 2022;191(3):130. doi: 10.1002/vetr.2116. PMID: 35929699.

Bergström A, Stanton DWG, Taron UH, et al. Grey wolf genomic history reveals a dual ancestry of dogs. *Nature*. 2022;607(7918):313-320. doi: 10.1038/s41586-022-04824-9.

Bishop CV, Selvaraj V, Townson DH, et al. History, insights, and future perspectives on studies into luteal function in cattle. *J Anim Sci*. 2022;100(7):skac143. doi: 10.1093/jas/skac143.

Chan M, Tiwary M, Wu HL, et al. Pandemic 1918 influenza virus does not cause lethal infection in Rhesus or Cynomolgus Macaques. *J Virol*. 2022 Aug 4:e0072822. doi: 10.1128/jvi.00728-22.

Clark TP. The history and pharmacology of buprenorphine: New advances in cats. *J Vet Pharmacol Therap*. 2022;45 Suppl 1:S1-S30. doi: 10.1111/jvp.13073.

Cox J, Browning-Blas K, Frye M, et al. More than a century of innovation. *J Am Vet Med Assoc*. 2022;260(10):1142. doi: 10.2460/javma.22.05.0213.

Divers TJ, Tomlinson JE, Tennant BC. The history of Theiler's disease and the search for its aetiology. *Vet J*. 2022;105878. doi: 10.1016/j.tvjl.2022.105878.

Evershed RP, Davey Smith G, Roffet-Salque M, et al. Dairying, diseases and the evolution of lactase persistence in Europe. *Nature*. 2022;608(7922):336-345. doi: 10.1038/s41586-022-05010-7.

Forni D, Cagliani R, Clerici M, et al. Disease-causing human viruses: novelty and legacy. *Trends Microbiol*. 2022;S0966-842X(22)00175-5. doi: 10.1016/j.tim.2022.07.002.

Mota-Rojas D, Mariti C, Marcet-Rius M, et al. The welfare of fighting dogs: wounds, neurobiology of pain, legal aspects and the potential role of the veterinary profession. *Animals (Basel)*. 2022;12(17):2257. doi: 10.3390/ani12172257.

Penrith ML, Kivaria FM. One hundred years of African swine fever in Africa: Where have we been, where are we now, where are we going? *Transboundary and Emerging Diseases*. 2022 Sep;69(5):e1179-e1200. doi: 10.1111/tbed.14466.

Petetta F, Ciccocioppo R. Public perception of laboratory animal testing: Historical, philosophical, and ethical view. *Addict Biol.* 2021;26(6):e12991. doi: 10.1111/adb.12991. *PubMed Central*, <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9252265/>

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