



# AAVPT Newsletter

## American Academy of Veterinary Pharmacology and Therapeutics

Volume 22, Number 1

January 2003

### Note from the Editor

I humbly apologize for not getting the last two issues of the AAVPT Newsletter together in 2002 (namely, Volume 21, Numbers 2 and 3). I could try to provide excuses, but it would not change the fact that the newsletters did not issue.

Sincerely,

Scott A. Brown  
Editor, AAVPT Newsletter

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### From The President



There are several things that have happened in the last several months that AAVPT members may find of interest.

Drs. Whittem and Clark continue to put the finishing touches on the May biennial symposium. A special thanks go to the members of their committees for aiding in that endeavor. See the web page and their report for details.

The USP Veterinary Practitioners' Reporting (VPR) program, a "one-stop shopping" approach for reporting adverse reactions to veterinary drugs, biologics, and pesticides, was due to discontinue operations in October due to a lack of veterinary support. The AVMA has requested additional time to study the matter. A proposal was made to the Executive Council to encourage the AVMA to support the VPR program along with a conditional

\$2000 monetary contribution. Proponents of the motion noted that though adverse event reporting is mandatory for veterinary pharmaceuticals, there is no such existing program for veterinary biologics and pesticides with associated feedback to the profession. It was also noted that the USP VPR is the primary program through which the Feline Vaccine-Associated Fibrosarcoma Taskforce has gained epidemiologic data. Opponents felt that the program was redundant, outside the scope of AAVPT's mission, or too limited in report numbers to warrant support. In a decision that I personally disagree with, the Executive Council voted 5 to 4 not to support the USP-VPR program.

The American Association of Pharmaceutical Scientists (AAPS) recently produced a volume of AAPS PharmSci, their online journal, devoted to veterinary medicine. Members can access this special series at [http://www.aapspharmsci.org/scientificjournals/pharmsci/display\\_issues5.htm](http://www.aapspharmsci.org/scientificjournals/pharmsci/display_issues5.htm). Articles appearing include:

- [Linking Human and Veterinary Health: Trends, Directions and Initiatives Evolving Importance of Biologics and Novel Delivery Systems in the Face of Microbial Resistance](#)
- [Interspecies Considerations in the Evaluation of Human Food Safety for Veterinary Drugs](#)
- [Dissolution Test Development for Complex Veterinary Dosage Forms: Oral Boluses](#)
- [The Role of the Clinical Pharmacologist in Animal Health](#)
- [Impact of Antimicrobial Resistance on Regulatory Policies in Veterinary Medicine: Status Report](#)

- [Pharmacokinetic/Pharmacodynamic Integration in Drug Development and Dosage-Regimen Optimization for Veterinary Medicine](#)

Dr. Kochevar has set up a listserv for AAVPT members only. This will be done first on a trial basis to see how well the communication method is utilized. Members will be easily able to remove their email address from the listserv if they are not interested in receiving it. This service, if not already available by the time you read this newsletter, should be available shortly.

Lastly, I would remind members that JVPT abstracts are now available at our web site. I encourage those with literature systems who have not already done so to download the updated abstracts to better utilize their subscriptions.

I hope and pray that all of you had a joyful holiday and wish you the best in the upcoming year.

Respectfully submitted

Cory Langston, DVM, PhD, Dip. ACVCP  
Chair, FDA VMAC and President, AAVPT  
[langston@cvm.msstate.edu](mailto:langston@cvm.msstate.edu)

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### **Secretary-Treasurer Report**



I would like to announce we have 5 new members in AAVPT. **Dr. Eden Bermingham, DVM, MS** and has been a student member of AAVPT 1998 and has been elected associate member. She received DVM her degree from Cornell University in 1988, a Masters degree in Comparative Biomedical Sciences from the College of Veterinary

Medicine, North Carolina State University in 2000. She is currently employed at Intervet, Inc., in Delaware and is working on the pharmacokinetics of fluorquinilones in sheep. Special training and expertise is in pharmacokinetics, ruminant physiology, antimicrobials. **Albert Boeckh, DVM, PhD** has been a student member since 1998 and has been elected Fellow. He received his DVM from the Univerisdade Federal Fluminense in Brazil and his PhD from Texas A&M in 2001. He is a Diplomat in American College of Veterinary Clinical Pharmacology. His current position is with Merial, Inc. in Duluth, GA. His special training and expertise is in pharmacokinetics, antimicrobials, drug delivery systems. **Kurt Grimm, DVM, MS** has been elected Associate Fellow. He received his DVM from Iowa State University in 1995 and his Masters from University of Illinois in 2001. He is a Diplomat in American College of Veterinary Anesthesiology (2000) and the American College of Veterinary Clinical Pharmacology (2001). His current position is as a visiting assistant professor of Anesthesiology, Department of Veterinary Clinical Medicine, at the University of Illinois. His special training and expertise is cardiopulmonary and analgesic effects of anesthetic and analgesic agents. **Diane Larson, DVM, PhD** was elected Fellow. She received her DVM from the University of Wisconsin in 1990 and her PhD from the University of Wisconsin, 1999. She is Associate Director, Companion Animal R&D projects, at Merial, Inc. in Duluth, GA. Her special training and expertise: graduate work focused on gene delivery technology, virology, and immunology. **Tsagaany Volodya, MS, PhD** was elected Fellow. He received his PhD from the State Academy of Veterinary Sciences in Petersburg, Russia in 1994 and his MS from Mongolian State Agricultural University. Currently is he is Head of the Department of Pharmacology at the Veterinary School at Ulaanbaatar, Mongolia. His special training and expertise: herbal pharmacology and veterinary pharmacology education. One behalf of all the officers I would like to welcome all the new members. Our membership stands at 224 members, including Emeritus Fellows and Distinguished Fellows.

We continue to look at and work on our membership roster. We have a systemic problem of

non-payment of dues among many of our members and the delinquency rate has been the topic of discussion of the Executive Counsel on several occasions. The counsel is very concerned about the high number of individuals on our roster who have not paid their dues for several years. According to my records, there are 42 Fellows, 13 Associate Fellows and 3 Student members (58 members) who have not paid their 2000, 2001 or 2002 dues. The executive counsel is eager to retain members but feels strongly the delinquent accounts will have to be reconciled for members who have been in arrears for so long. All paying members were notified of their status (whether they had paid their dues up to the current year) when the 2002 dues announcements were mailed out last January. Some members did reconcile their account but we still have far too many individuals who are delinquent. Although this situation has been monitored for some time by counsel and hopeful these members would pay their dues, it is the counsel's position that members who have been delinquent for more than 2 years will have to pay their dues or face having their memberships dropped. At the last executive counsel meeting, it was decided the secretary will try to identify these individuals and make one last attempt to contact them to notify them of the situation. If we do not receive their dues after this second notification, we will drop them from our membership at the end of 2002.

This termination would not apply to members who have paid their dues in 2001 but have not paid their 2002 dues. Currently we have identified another 16 fellows and 2 associate fellows who have not paid their 2002 dues. A notice will be included in the 2003 dues announcement to let them know I have not received their 2002 dues and request they send in their 2002 dues along with their 2003 dues. Hopefully we can get the membership roster issues settled early this next year.

The AAVPT banking account had a balance of approximately \$15,083.58 in July 2002. We had expenses including \$3600.00 paid to Blackwell Publishers for the 2002 journal subscriptions and expenses associated with the business meeting in Dallas. The executive counsel recommended the treasurer keep the amount of money in the local checking to around \$5,000.00 and to move any excess money from the local checking account and into one

of the AAVPT investment funds. Dan Gingerich worked this summer and moved all the AAVPT investment accounts and in September I arranged with him to transfer \$9224.00 from our local checking account and into the AAVPT investment accounts. These funds have been deposited into a money market account which we can draw on as needed. After this transfer, the net balance of our checking stands at approximately \$5,094.00.

On behalf of the officers and myself I would like to thank the following people and corporations for their contributions to the Awards fund: **T. Clark, J. Owens Clark, G. Coppoc, D. Gingerich, R. Echrich, J. Gloyd, R. Highland, A. Jernigan, D. Kochevar, C. Langston, S. Malik, A. Neal, J. Oliver, M. Papich, and K.J. Varma.** We have added \$660.00 to the Award Fund this year and the Awards Fund currently stands at \$4534.00.

Again, I would like to encourage each of you to check your membership listing on our website ([www.aavpt.org](http://www.aavpt.org)). If you have any change in your mailing address or email, please let me know so I can keep the directory entries current. I would also like to ask each of you to check the page that indicates your dues status. As we move to more reliance on email for balloting and communications it is imperative we maintain current email information. You can check the website to verify the information we have for you. Accessing the website is very simple. Just enter your user ID and password to get to the directory. If you find any errors, click on the secretary link on our website to let me know you would like to make some changes in your entry. Or you can email me directly at [cdavis@shout.net](mailto:cdavis@shout.net). You are encouraged to look at your entry and if you see any errors or omissions, please let me or the webmaster know immediately. It is very important that the information in the database stay current.

The annual AAVPT business meeting was held May 29<sup>th</sup>, 2002 in Dallas. Members attending were: D. Kochevar, M. Scott, G. Michell, J. Owens Clark, S. Brown, T. Dowling, T. Whittem, C. Kollias-Baker, T. Clark, M. Novotny, R. Hunter, C. Clarke, T. Martin, M. Papich, J. Wilcke, J. Oliver, D. Boothe, C. Davis, C. Langston. The result of the counsel election was announced at the meeting. Congratulations to Marilyn Martinez and Randy Lynn

who were elected as the new counsel members (term of office running from 2003-2005).

This year we will elect a new president-elect, secretary-treasurer and two counselors (term of office running from 2004-2006). If you would like to nominate someone or would like to run for any of these offices please contact one of the members on the nominating committee (Ted Whittem, Marilyn Martinez, or Tomas Martin-Jimenez) to let them know. We will need nominations by March 1, 2003.

As 2002 comes to an end, I want to extend a warm holiday season to everyone and hope each of you has a very Happy New Year. I continue to look forward to serving as your secretary-treasurer and I encourage you to contact me concerning any questions you might have or any AAVPT business questions.

Submitted December 23, 2002  
 Carol A. Davis  
 Secretary/Treasurer  
 ([cdavis@shout.net](mailto:cdavis@shout.net)).

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## AAVPT Biennial Symposium 2003

The 2003 AAVPT Biennial Symposium will be held in Charlotte, North Carolina, from June 3 - 4, 2003, immediately preceding the ACVIM Annual Forum on June 4 - 7, 2003. The theme of the Symposium is "The Cutting Edge". Speakers are being invited to speak on topics such as high through-put screening, somatic cell therapy, computer aided drug design, factors contributing to variability in drug response and receptor polymorphisms, evaluating variability in drug response through pharmacogenetics, metabolism and the cytochromes of the dog. Within the Forum program we are working up a theme of New Therapeutic Horizons including; pharmaceutical vaccines, New Targets in Pain, Behaviour modification, Transdermal Drug Deliver and Peptide drug delivery.

We are encouraging all Fellows, Associate Fellows and Student Members to submit their current research for presentation. Pharmacology research abstracts

should be submitted for presentation within the 'Pharmacology Section' of the ACVIM Forum (see [www.ACVIM.org](http://www.ACVIM.org)). Student Members will be eligible for the AAVPT prizes for their abstract/s presented within the ACVIM Forum Scientific program and Fellows may sponsor their students to apply for the travel award to attend the AAVPT Symposium. A copy of the brochure is include with this newsletter, and can be found on the AAVPT website as well. Thank you to the Program Committee including Randy Lynn (IDEXX), Ralph Claxton (Novartis), Terry Clark (Elanco), and Ted Whittem (Jurox). Anyone with questions should contact Ted Whittem, AAVPT President-Elect and Chair, 2003 Symposium Committee (<mailto:tedw@jurox.com.au>).



AAVPT2003Brochure  
 W-HotelCosts.doc

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## COLLABORATION IN VETERINARY PHARMACEUTICS WORKSHOP A GREAT SUCCESS

The first American Association of Pharmaceutical Scientists workshop focusing on animal health topics was held May 6-8<sup>th</sup> in St. Charles, IL. The workshop entitled "Collaboration in the Research and Development of Veterinary Pharmaceuticals" was co-sponsored by the Controlled Release Society and our organization and was one of the first AAPS workshops to bring together different professional organizations into one meeting. The organizers for the program were Drs. Todd Foster (Pharmacia Corporation) representing AAPS, Mike Rathbone (InterAg) representing CRS and Carol A. Davis (Davis Consulting and Training) representing AAVPT. The 2½ day meeting brought together people from industry, universities and the government involved in drug development and research of veterinary pharmaceuticals. It was designed to be a learning experience for all the participants by including lectures, group discussions and interactive

sessions. The workshop succeeded in bringing together a good mix of speakers from academia, the pharmaceutical industry and government agencies to present a well-rounded perspective on the more important issues related to development of new drugs, drug delivery systems and use of drugs in animals. One of the main goals of the workshop was to give the participants open time to interact one-on-one and in groups and to give them the opportunity to identify some of the more critical areas of research needed in the field. Hopefully many of the ideas presented and the new relationships established among the participants at the meeting will lead to much needed collaborative research and future programs. In this sense, the meeting can be deemed a great success.

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## Request for nominations for AAVPT Officers

In 2003, the biennial AAVPT Council elections will be held just prior to the annual meeting. The council will have vacancies for President Elect, Secretary Treasurer and two Councilor positions. Members are invited to nominate Fellows for any of these positions. Please email your interest or nomination to [tedw@jurox.com.au](mailto:tedw@jurox.com.au).

Ted Whitem, Chairman Nominations Committee

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## Request for nominations for AAVPT Awards

Nominations are requested for each of the following AAVPT awards to be presented at the 2003 Biennial Symposium.

1. The AAVPT Service Award
2. The AAVPT Teaching Award
3. The AAVPT Research Award
4. The Lloyd E. Davis Award

Please visit the AAVPT web site <http://www.aavpt.org/> to review the intent, governing rules, and nomination process for each award.

The deadline for submission of nominations is 28 FEBRUARY 2003. Nominations and supporting materials should be submitted to:

Mark Novotny, Chair, AAVPT Awards Committee  
Pfizer Veterinary Medicine Research & Development  
MS 8200-40  
Eastern Point Road  
Groton, CT 06340

## Announcement of Graduate Student 2002 Award and 2003 Award Availability

This year the ACVCP presented the first Resident/Graduate Student Research Award at our annual meeting at the ACVIM Forum. The award amount was \$500. Our first recipient was Dr. Lara Maxwell from the University of California-Davis. Her winning oral research presentation was titled: "Pharmacokinetics Of Fentanyl Following Intravenous And Transdermal Administration In Horses". Congratulations to Lara and her mentor, Dr. Cynthia Kollias-Baker.

The AAVPT and the ACVCP will this year co-sponsor a Resident/Graduate Student Pharmacology Research Award to recognize research excellence in clinical and/or basic pharmacology for residents and graduate students. A winning oral or poster research presentation will be identified during the AAVPT Biennial Symposium or the ACVCP Annual Forum (held in conjunction with the ACVIM Annual Forum). A general call for award nominations and submission of abstracts will be made on or before 01 March 2003. Details will be posted on both organizations' web sites.

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## Membership Committee

Despite exciting advances in veterinary pharmacology, the AAVPT continues to face a decline in membership. As a consequence of this decline, it is becoming increasingly difficult to meet our objective of providing “a powerful force in the promotion of the science of veterinary pharmacology and therapeutics”. Consequently, to remain a vital organization, we must identify mechanisms for recruiting new members and for increasing the level of involvement of the existing membership.

The first step in this process is to examine reasons why individuals actively participate in any professional organization. In that regard, the following attributes appear to consistently be of high-level importance:

1. Networking opportunities: exchange of ideas, research collaborations, job opportunities, etc.
2. Proactive efforts: development of workshops, position papers, research opportunities, etc. that can influence the direction of science and drug regulation.
3. Informative newsletters: the exchange of scientific current events through newsletters or emails.
4. Continuing education: opportunities for the working professional to keep current in an ever-changing scientific environment.
5. Training: opportunities to reach young scientists with state-of-the-art information through both predoctoral and postdoctoral training efforts.
6. Dialogue: opportunities to exchange opinions and influence drug use and regulatory policies.

While these items are consistent with the AAVPT objectives, reductions in membership and overwhelming job responsibilities have substantially reduced the number of innovative activities we have to offer. Therefore, to refresh the vibrancy of this organization, the following initiatives are being considered by the Executive Council:

1. The creation of subcommittees based upon areas of specialization:
  - i. Manufacturing Technologies

- ii. Clinical Pharmacology
- iii. Pharmacokinetics/Bioequivalence
- iv. Human Food Safety/Public Safety
- v. Microbiology

Members would identify their preferred area of focus. Subcommittee chairs would work with their members to select a topic that will serve as their focus of discussion for that year. Each group would be responsible for writing a yearly “article” for AAVPT Newsletter, and these articles could range from a summary of some of the year’s most important literature and events, white papers, problems encountered/unresolved issues, pivotal regulatory activities, etc. These articles would then serve not only as a history of events within the individual areas but also provide a springboard for future meetings, JVPT manuscripts, lectures, educational CD’s, etc.

2. Develop grassroots training opportunities through academic graduate programs. In this regard, the activities of the Educational Committee will be vital to attracting new members. For example, the AAVPT could develop educational programs (CD’s, web-based lecture series, workshops, etc). When “buying” or “attending” one of these educational offerings, a one-year membership would be included in the “package”. Please note that years ago, this is how the American Association of Pharmaceutical Scientist, which is today a very large and very powerful organization, attracted new members.
3. Initiate a web-based discussion group, either independently through the AAVPT website or as a portal that links with the soon-to-be-available Animal Health Consortium discussion group.<sup>1</sup> By having an AAVPT portal, we can maintain a log of the questions raised by our membership to

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<sup>1</sup> The Animal Health Consortium (AHC) is an international E-based site that will connect animal health professionals throughout the world. The AAVPT will be a member of this consortium. Therefore, all AAVPT members will be receiving an EMAIL from this group within the next few months.

ensure that the AAVPT keep appraised of what our members consider to be “hot topics”.

4. Revise our membership directory so that individuals are listed not only alphabetically but also by type of employment (government, academia, private consultant, regulated industry) and area of expertise. This will facilitate the networking of AAVPT members, and may be particularly helpful to graduate students or to those individuals who are new to the profession and our organization.

Finally, we need to revise our membership forms such that they encourage rather than discourage applications. The need to include a curriculum vitae and letters of recommendation can be burdensome. Therefore, a simplified application process needs to be developed.

Clearly, the Membership Committee faces multifaceted challenges as we work at the materialization of these initiatives. That is where everyone's contribution is necessary. There are many opportunities for involvement, and hopefully this will not become the effort of a few. With that in mind, it is essential that people express a willingness to volunteer their time and effort. Please forward any comments, suggestions, or offers to support this effort to Marilyn Martinez at [MMartin1@cvm.fda.gov](mailto:MMartin1@cvm.fda.gov).

Cyril Clarke (<mailto:Clarke@okstate.edu>)

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## News from the Pharmaceutical Industry

During a recent Animal Health Institute meeting, FDA's Center for Veterinary Medicine (CVM) reported that they continue to make significant improvements in their review timing of animal pharmaceutical applications by industry. In order to continue this improvement in CVM performance it is critical that the Animal Drug User Fee Program becomes a reality. Although user fees were not

passed in the last legislative session, it is expected to be passed in early 2003.

There has been a major reorganization among the animal pharmaceutical trade associations. The European trade association (FEDESA) has been placed under the International Federation for Animal Health (IFAH). IFAH will take the lead in coordinating industry issues that have worldwide impact such as antimicrobial resistance. IFAH will continue to be the representative voice at international government bodies such as Codex. This new structure will ensure focusing on key issues and better use limited resources available from industry.

Dave Kowalczyk  
12/18/02

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## Meeting Announcements

The 9<sup>th</sup> Congress of the European Association of Veterinary Pharmacology and Toxicology (EAVPT) will be held July 13-18 in Lisbon, Portugal. The European College of Veterinary Pharmacology and Toxicology (ECVPT) will sponsor a pharmacokinetics/pharmacodynamics workshop prior to the EAVPT Congress from July 8-12 in the same venue. For more information, please visit [www.fmv.utl.pt/eavpt2003/congress.htm](http://www.fmv.utl.pt/eavpt2003/congress.htm).

## In Memoriam

With sorrow, we note the passing of Dr. L. Meyer Jones on December 9, 2002 in Cary, North Carolina. Dr. Jones was born March 3, 1913 at Hartford City, Indiana. He grew up on a dairy and hog farm in Blackford County Indiana and attended the Harford City Public Schools. He received the A.B. degree (Zoology and Chemistry) from De Pauw University in 1935, the DVM degree from Iowa State University in 1939, the



M.S. degree (Physiology & Parasitology) from Iowa State University in 1939 and the Ph.D. degree (Pharmacology & Chemistry) from the University of Minnesota in 1945.

Dr. Jones was a member of the Iowa State Veterinary College Faculty from 1935 to 1960. He was Director of Scientific Activities, AVMA from 1960 to 1966; Dean of the School of Veterinary Medicine, University of Georgia 1966-68; and Dean of the College of Veterinary Medicine, University of Illinois, 1968-1976.

Dr. Jones' research dealt primarily with the treatment of diseases in cattle. His magnum opus was the textbook Veterinary Pharmacology and Therapeutics, which was first published in 1954 by Iowa State University Press. This textbook, together with Dr. Jones' teaching were instrumental in leading the veterinary medical profession from teaching of *Materia Medica* within the curriculum to the scientific discipline of pharmacology. The textbook is still in use today and is in the 8<sup>th</sup> edition.

For his contributions, L. Meyer Jones was honored by the AAVPT during its first Symposium at Baton Rouge in 1977. Dr. Jones along with Dr. S. Scheidy and Dr. R.W. Dougherty were named as the first Distinguished Fellows of the Academy in recognition of their contribution to our discipline and profession. We owe a great debt of gratitude to these pioneers of the profession.

Prepared by Dr. Lloyd E. Davis

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## ***In Memoriam***

With deep sadness, we note that Dr. Richard H. Teske (Age 63) of McLean, VA, passed away suddenly at home on Thursday, December 19, 2002. He is survived by his wife, Helen W. Teske; two daughters, Dee Teske, McLean, VA, Miki Fedora and son-in-law, Wayne Fedora; six grandchildren, all of Mechanicsburg, PA. Memorial donations may be made to the Gideons International, 2900 Lebanon Rd., Nashville, TN 37214 or Virginia Tech Veterinary College.

After receiving his D.V.M. degree from the University of Georgia, Dr. Teske joined FDA in 1970 as a Branch Chief within the Division of Veterinary Medical Research in Beltsville, MD. From 1978 to 1982 Dr. Teske served as Director of that Division, until moving to Rockville, MD to become the Associate Director for Science. In April 1987, Dr. Teske was appointed Deputy Director of CVM. Upon the retirement of the CVM director, Dr. Gerald Guest on April 30, 1993, Dr. Teske assumed the role of Acting Director of CVM for 13 months until the appointment of Dr. Stephen Sundlof as permanent Director, when he resumed his previous role as Deputy Director. Upon the appointment of Dr. Michael Blackwell as Deputy Director for Post-Market Activities, Dr. Teske served as Deputy Director for Pre-Clearance Activities before assuming the new position of Associate Director for Policy. He was an active member of the AAVPT during his career at FDA/CVM. We will miss him.

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## **AAVPT Newsletter Staff**

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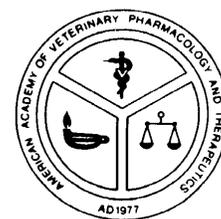
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