AAVP Newsletter

American Association of Veterinary Parasitologists

October, 2002 **Volume 24, Number 3**

From the President

Dear AAVP Member:

I would like to take this opportunity to highlight some of the AAVP accomplishments and efforts over the last year and stress the issues raised during the AAVP Board and Business Meetings in Nashville that require our attention. It is fitting to first acknowledge the Program Chair for the 47th Annual Meeting, Dr. Craig Reinemeyer, for his hard work and attention to a very well run meeting. Eighty seven papers were presented along with the Merial Symposium, "Chronic infection and disease," the AAVP Symposium, "Mass destruction, bass production, and class instruction," and the AAVP/AVMA Joint Symposium arranged by President Anne Zajac that addressed "Current topics in companion animal parasitology." It was very well attended and demonstrated the strong mutual interests between both associations. Other notable events were the Student Papers Sections and the Graduate Student Luncheon, and congratulations to our Distinguished Veterinary Parasitologist, Dr. Sidney A. Ewing. Special thanks to our Corporate Event Sponsors (Bayer, Inc.; Fort Dodge Animal Health), Corporate Sponsors (Bayer, Inc.; Elanco Animal Health; Intervet; Merial) and General Meeting Sponsors (East Tennessee Clinical Research, Inc.; Fort Dodge Animal Health; Heska; Intervet; Johnson Research; Larry L. Smith DVM Research & Development, Inc.; Merck Research Laboratories; Novartis Animal Health US, Inc.; Pfizer, Inc.; Phoenix Scientific, Inc.; Professional Lab & Research Service, Inc.; Stillmeadow, Inc.; Virbac, Inc.) for their generous support.

The best student paper awards at the 47th AAVP went to Cynthia Tate (1st place) and Andrea Varela (2nd place). The AAVP provided complimentary student membership and $100 travel voucher to AAVP 2003 for the 1st and 2nd place student competition winners at the 84th CRWAD (Jose C. Garcia-Garcia and Consuelo Almazan). In addition, AAVP sponsored a funding proposal by Drs. Klei and Miller from LSU to the National Research Initiative for funding of events at the WAAVP in New Orleans August 10-14, 2003; AAVP will also sponsor a symposium for the meeting. The meeting in Philadelphia in 2004 will be held with the American Society of Parasitology and the American Heartworm Society, and is part of an initiative by our Outreach Committee to find a broader scope and audience for our annual meeting.

Other highlights from the board and business meeting included 1) an increase in general membership dues to $30.00 (status quo for students) (Frank Guerino); 2) change in the Constitution/By-Laws to recognize the electronic format of the Newsletter, the list of committees and service positions, and a flexible balloting format for election of officers (Tom Letonja);

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3) an anticipated $3,000 saving with the on-line distribution of the Newsletter (Susan Little); 4) additional AAVP web links including the new CDC/AAVP pamphlet on parasite control of companion animals (Pat Thomlinson); 5) the role of AAVP in education and educating the educators (Cliff Monahan); 6) a student and faculty advisor questionnaire that supported AAVP emphasis on students and a need to cut costs for meeting attendance (Mary Rossano); 7) a questionnaire sent to past-presidents for insights into improving the financial vigor and future direction of AAVP (Louis Gasbarre); 8) joint society meetings to merge concepts and invigorate interaction (Dan Zarlenga).

This Newsletter includes a list of AAVP committee members and chairs with their terms of service. In some cases, you may have forgotten or not known of your selection, but it is a call to service that is much needed from a membership that is always up for a challenge. I will be calling each of the committee chairs to activate the process, but I would encourage all to use their initiative in addressing issues important to AAVP. We are grateful to members who are willing to devote their valuable time to AAVP activities. If you have never served on an AAVP committee please consider joining one at the 48th meeting in Denver. Similarly, if you have ideas for issues or opportunities you think AAVP should consider, don't hesitate to contact me or one of the officers or committee chairs. *Submitted by Joseph Urban, President AAVP.*

From the Secretary Treasurer

From the Secretary/Treasurer

The 47th annual AAVP meeting was held 13-16 July 2002 at the Opryland Hotel and Resort, Nashville, TN. The meeting attendance this year was around 175 members and guests, including several of our international members. Dr. Craig Reinemeyer, as Program Chair, should be commended for organizing the scientific program which resulted in well run and organized concurrent sessions, including several different symposia.

I would like to thank all of our Corporate Event Sponsors, Corporate Sponsors and Meeting Sponsors. Support at each of these levels has been instrumental in keeping our Association solvent and has allowed us to develop and implement a number of awards, have excellent meetings, and keep our meeting registration fees at a reasonable rate. This year Fort Dodge Animal Health and Bayer Animal Health each hosted evening receptions on Saturday and Sunday nights, respectively, that allowed for continued discussions and renewing old friendships. Monday evening AAVP and donations from all of our Corporate Sponsor's helped to host a social event. These receptions are greatly appreciated by the membership and, when combined with special symposia or series, they provide a great venue for the dissemination of new information on areas of scientific interest to our membership. I hope that we can continue to have these events at each year's meeting. Industry colleagues who would like to host a social event at our meeting in 2003 in Denver are asked to contact me so we can start these discussions as early as possible.

At this year's meeting, Merial and AAVP sponsored a symposium on "Chronic Infection and Disease." This Symposium series has become an annual event sponsored by Merial. Topics and speakers have provided a different perspective on a variety of cutting-edge topics, and this Symposium has allowed meeting attendees to learn more about a variety of disciplines. I greatly appreciate Merial's support.

I would like to remind members to pay any past dues and also to pay their 2002 dues if they have not yet done so. At the 2002 business meeting, a motion was made and approved to raise the dues for 2003 for regular members to $30.00 per year. Student dues of $10.00 per year will remain the same. For the 2003 dues year that just started and runs from September 1, 2002 to August 31, 2003, please remember to pay $30.00. The AAVP membership dues are still a great bargain, $30 annually for regular members and $10 for students. Please call or email me if you have any questions about your dues status. I have

attached a 2003 Membership Renewal form in this issue of the Newsletter for your use and for you to update me on any changes in your contact information. Also, in the Newsletter and at the web site (www.aavp.org) is a new member application form. If you have students or colleagues who would be interested in joining AAVP, please pass along a copy of this form to them. Please let me know of any changes in your mailing address, including changes to your telephone, Fax, or Email. Email is becoming increasingly important as our Association will rely on this electronic form of communication even more in the future. Dues and all correspondence to the secretary-treasurer should be addressed to: Dr. Daniel E. Snyder, c/o Elanco Animal Health, Mail drop GL21, PO Box 708, Greenfield, IN 46140. Phone: 317.277.4439, Fax: 317.651. 3125, Email: snyder_daniel_e@Lilly.com *Submitted by Dr. Dan Snyder, Secretary-Treasurer AAVP.*

In Memoriam

DAVID E. WORLEY, 1929-2002

Dr. David Eugene Worley passed away from complications of pneumonia at Bozeman, Montana, on February 3, 2002. He was a Professor Emeritus of Veterinary Molecular Biology at Montana State University after a long and distinguished career in teaching, research and public service, having "retired" in 1994. He remained active in his office and laboratory until the time of his death. He was the only parasitologist at Montana State University for many years and taught a variety of courses. Several students began parasitology careers after taking one of his courses. He was an excellent mentor for his graduate students and all became and remained close friends. Dave's extended family included all of his graduate students. The first graduate student received the M.S. degree in 1964 and 21 graduate students followed. Dave had a broad interest in parasitology. He was concerned with the host- parasite relationships of helminths of mammals, including susceptibility and resistance of animals to infection, host specificity, and the effect of parasitic diseases on the productivity of livestock and wildlife populations. He also studied the ecology and distribution of parasites of domestic and wild animals and the control of parasitic infections. His research resulted in 111 publications.

He was very active in community, university and professional society affairs. He belonged to many scientific societies including the American Association of Veterinary Parasitologists. He reviewed manuscripts of many scientific journals and was a member of the Editorial Board of the Journal of Parasitology for four years. He was President of the Rocky Mountain Conference of parasitologists in 1974-72. He served on committees for several societies and was on peer review committees for CSRS, the National Science Foundation and other programs. He was co-convenor of the section on diseases and parasites of wildlife at the 28th Congress of the International Union of Game Biologists held at Krakow, Poland in 1987. Dave received the Award for Research in Veterinary Parasitology from the Merck Foundation in 1973.

Dave was born on August 6, 1929, in Cadiz, Ohio. He attended elementary and high school there and then attended The College of Wooster in Wooster, Ohio where he received an A.B. degree in Biology in 1951. Dr. R.V. Bangham, a noted authority on parasites of fish, was a parasitologist at The College of Wooster and it was his course that sparked an interest in parasitology for Dave. He did his senior research project with Dr. Bangham on parasites of fish in the upper Gatineau River Valley in Ohio and this resulted in his first publication. After college, Dave enlisted in the United States Army and spent most of his enlistment at Fort Dietrich, Maryland.

He continued his education at Kansas State University where Dr. Merle Hansen had an excellent cadre of graduate students many of whom went on to distinguish themselves in parasitology careers. Dave spent the summers of 1956 and 1957 at the University of Michigan Biological Station. He received the M.S. degree from Kansas State University in 1955 and the

Ph.D. degree in 1958. His graduate studies were on chemotherapeutics of ruminant parasites. He worked as a parasitologist for Parke, Davis and Company from 1958 to 1962.

The next 32 years were spent at Montana State University where he held appointments in the Department of Biology and Department of Veterinary Science, later to become the Department of Molecular Veterinary Parasitology. Dave considered teaching and graduate education his first priorities. He took a personal interest in each of his graduate students and their research. At the time of his retirement his former graduate students presented him with a gift. Many laudatory letters came from students but one statement that seems to sum up his relationship with his graduate students is " Dave has had a great influence on me. He has provided a great example as a scientist but more importantly he is an outstanding example of a decent and caring human being. He is one who knows how to live by the Golden Rule." In addition to his teaching and research activities he provided public service to the University, not only as a member of many committees, but all of the parasitologic material that came to the Montana State Department of Agriculture Animal Health Diagnostic Laboratory came to his laboratory. He also provided parasitology services for the Montana State Department of Fish, Wildlife and Parks Laboratory.

He was active in community and church affairs including the Credit Union, Center for Campus Ministry and Boy Scouts. His hobbies included photography, hunting, hiking, camping and tinkering with old cars. He participated in the Audubon Society Christmas bird count for over 60 years.

He married Judy Jacobson in 1968, and she shared his love of the outdoors. Judy prepared many meals that they shared with their family – Dave's graduate students and their families. They had two sons – Mark and his wife Deanna of Houston, Texas, and Tim of Corvallis, Oregon. Dave's feelings about life were typified on a card that was on his desk. "To enjoy your work and accept your lot in life – that is indeed a gift from God. The person who does that will not need to look back with sorrow on his past, for God gives him joy." *Ecclesiastes 5:19-20*

Memorials may be made to the Springhill Presbyterian Church, 9855 Walker Road, Belgrade, MT 59714 or to the Sacajawea Audubon Society, P. O. Box 1711, Bozeman, MT 59771. Mrs. Judy Worley may be contacted at 2400 Durston Road, #54, Bozeman, MT 59718. *Submitted by Kenneth S. Todd, Jr.*

Awards

AAVP Distinguished Veterinary Parasitologist Award (sponsored by Pfizer Animal Health)

The AAVP Distinguished Veterinary Parasitologist Award recipient for 2002 is Dr. Sidney A. Ewing, Wendell H. & Nellie G. Krull Professor of Veterinary Parasitology and Interim Associate Dean for Academic Affairs at Oklahoma State University.

Dr. Alvin Gajadhar (right), Chair of the AAVP Awards Committee, presents the 2002 AAVP Distinguished Parasitologist Award to Dr. Sidney Ewing (left).

A bibliography about Dr. Ewing was published in the 2002 meeting Proceedings. The following is a synopsis of his talk presented at the meeting.

Acceptance of the AAVP Distinguished Veterinary Parasitologist Award by Sidney A. Ewing.

Thank you, Dr. Gajadhar, for those generous remarks. I should also like to thank

publicly those who nominated me and those who wrote letters in support of those nominations. I am honored to join the ranks of the fine parasitologists who have received this award in the past. The AAVP has been an important organization in my professional life. And it has afforded me opportunity to come to know, both professionally and personally, a great many parasitologists who have enriched my life. I am grateful to all of them, many of you in the audience today. I also thank the Bayer Company for the monetary award.

When I was informed in late May that this honor would be coming my way in July, I was at once very pleased and somewhat nonplussed. I have heard others respond on the occasion of being honored, of course, and today I am taking my cue from some of them. Accordingly, I will relive a bit of the past, and I'll try to do so in about 20 minutes as suggested to me.

Growing up on a dairy farm where Jersey cattle were the breed of choice, it is not surprising that I learned very early about the need for veterinary medical care. My father developed a highly productive herd and milk fever, as we called parturient paresis, was an everyday affair. Watching the seemingly miraculous treatment of this condition by our local veterinarian, I am sure, had a good deal to do with my decision about what to study. Here I am a few years before going to veterinary school, showing one of my prize-winning heifers.

As a veterinary medical student I became aware of the baffling array of parasites that affect animals and I was greatly attracted to the phenomenon of parasitism. I had the good fortune to work a couple of summers for a plant pathologist who was interested in nematodes. His name was Al Foster and he let me "have my head" so to speak and even sent me to Auburn University for a short course in nematology. When my first parasitology teachers at the University of Georgia, Frank Hays and Helen Jordan, found that I was actually interested in parasites (need I say, unlike many of their veterinary students?!?) they encouraged me. It was not a coincidence that in later years Helen Jordan and I worked together at OSU. She's retired now but she's still teaching me, this time about identifying birds.

Somewhat to my father's chagrin I decided not to enter private practice. And worse, I was to leave Georgia and go to Madison, Wisconsin to study parasitology. Specifically, it was dairy cattle parasites that I expected to study with Dr. Arlie Todd. But alas, I learned right away that funding opportunities could influence the research agenda and lay low one's best-laid plans. My first day in Madison in 1958 I was told that the recently-awarded NIH grant to study swine influenza meant that someone was needed to study swine lungworms. And so it was that I quickly had to learn to work with pigs. I'd had very little experience with hogs because the swine industry was in South Georgia, not around Athens where the veterinary school was located, in North Georgia where I grew up. I came very quickly to enjoy swine and to this day have a fondness for them. It's probably safe to admit to this audience that I also have an inordinate fondness for *Metastrongylus*, as well.

After completing the MS degree under Dr. Todd's direction I moved to Oklahoma State University College of Veterinay Medicine to work with Wendell Krull of *Dicrocoelium dendriticum* fame. Although I never worked on a trematode problem, it was Krull who guided me through the PhD. He left it up to me to find an appropriate thesis problem and one of the places that I looked for one was in the Teaching Hospital. That is how I came to work on canine babesiosis from a case of naturally occurring disease. For those of you who are fortunate enough to be around veterinary schools, I urge that you never forget the "laboratory of naturally occurring disease," that is, the Teaching Hospital. It's a place where interesting things occur on a regular basis and you should be prepared to take advantage of that fact … as a teacher and as a researcher.

In the process of studying *Babesia canis* I developed a hypothesis that the Babesiaidae and Theileridae might not be separable on the basis of

schizogonous reproduction in white blood cells. The basis for my hypothesis was this structure, which I found in leukocytes of dogs with babesiosis. I wrote a grant proposal to NIH that actually got funded. To make a long story short, I came to realize that my hypothesis was incorrect. I was dealing with a dual infection. This structure turned out to be *Ehrlichia canis* and so my career in tick-borne diseases went off in an unexpected direction, with prokaryotes instead of eukaryotes. The dog was parasitized by both a prokaryote and a eukaryote; and both agents were transmitted by the brown dog tick, *Rhipicephalus sanguineus*.

For the young parasitologists in the audience, this prompts me to say a couple of things that I've made it a habit of saying to graduate students and veterinary students over the years: First, be prepared to preside at the graveside of a brainchild. It's best not to become too attached to your hypotheses. Second, keep your eyes open and think about what you see because you may get lucky, as I did. There are lots of "new" diseases out there to be discovered and there is lots of "sorting" to be done. I well recall the small animal clinician colleague who was convinced that my dogs suffering from what we call ehrlichiosis today were just "distemper dogs." It was not until we successfully infected a dog hyperimmunized against distemper that he was convinced otherwise. I'll always be grateful to the pharmaceutical house that gave me one of their retired distemper anti-serum donors for that particular experiment. And I'll be grateful to Wendell Krull for instilling in me the mindset expressed in this quote!

That was the beginning of studies of ehrlichiosis that spanned many years and involved many people, some graduate students and others my faculty colleagues at various institutions. When we found this parasite in the late 1960s/early 1970s during my second incarnation at OSU, we soon realized that it was not *E. canis* because the disease it produced in dogs was different from that we had come to know. We see it here in a neutrophil in synovial fluid. What we now call canine granulocytic ehrlichiosis clearly was not classical canine ehrlichiosis. I had no idea that colleagues at the Centers for Disease Control in Atlanta would 20 years later assign it the specific epithet, *E. ewingii*. That was a generous thing to have done; what was actually important about their work, of course, was that through the techniques of molecular genetics they were able to confirm that the parasite was, indeed, a new species and that it was more closely related to *E. canis* than to *E. equi* as many had supposed. Many years later, back in Oklahoma for the third time, we found that *Amblyomma americanum*, not the brown dog tick, was the vector.

I will not take time to review our work on ehrlichiosis, but I do want to mention Dr. John Harkess with the Oklahoma State Department of Health. We had a very good time looking into so-called human ehrlichiosis, a zoonotic disease that involves white-tailed deer and the Lone Star tick, *Amblyomma americanum*. Oklahoma is a good place to study tick-borne diseases, human or animal. I'd also like to mention some fairly recent work with Dr. Uli Munderloh at the University of Minnesota. This is our so-called Ebony isolate of *E. canis* growing in an IDE 8 cell, an embryonic tick cell line developed by Dr. Munderloh. She is a veterinarian who works in an Entomology Department. We continue to try to grow *E. ewingii* in culture but to date it has remained recalcitrant to this and all other invertebrate & vertebrate cell lines tested.

I thoroughly enjoyed working on zoonotic aspects of ehrlichiosis with Dr. Jackie Dawson and others at CDC/Atlanta and with others in various locations. And I also enjoyed working with an array of folks, scattered among many institutions, who were interested in the several ehrlichiosis I studied.

After many years of working with prokaryotes that ticks transmit, I had the good fortune late in my career to get back to protozoans that depend upon ticks for transmission. Not since the *Babesia* work in the 1960s had I been able to see my parasite in any detail with a light microscope. When *Hepatozoon* that Dr. Tom Craig had discovered in Texas 20 years earlier

finally made its way to Oklahoma, my pathologist friend, Roger Panciera, and I were challenged to take a look at the disease and at the parasite. These remarkable bone lesions have been a source of considerable interest.

Our discovery that the Gulf Coast tick, *Amblyomma maculatum*, is an unusually permissive vector has facilitated our work in that we've been able to produce experimental disease at will.

I will spend a few minutes to review the life history of *H. americanum* and show you a few photomicrographs of its developmental stages in dogs and in Gulf Coast ticks. This diagrammatic representation of the cycle indicates where sporogony, merogony, and gametogony take place. The unusual feature, of course, is that dogs become infected not by tick bite but by ingesting the vector. The oocysts are thin-walled and rupture easily; and the sporocyts excyst, releasing the sporozites when they come in contact with bile. In the dog, merogony takes place in many tissues but in our experience skeletal muscle is the site where most cysts develop.

A great deal of the fun of uncovering the lives of parasites of course has been sharing the excitement with co-workers, especially graduate students. In looking into the natural history of American canine hepatozoonosis, I had the added joy of watching the development of a new parasitologist, J. S. Mathew. This is Roger Panciera and John Shiens Mathew on the occasion of Dr. Mathew's graduation from Oklahoma State in 1999. Here he is at our AAVP meeting in New Orleans when he received the outstanding graduate student award. His thesis, which dealt with both ehrlichiosis and hepatozoonosis, won him the Phoenix Award, recognizing the outstanding thesis at OSU.

I have photographs of very few of my students and colleagues who have enriched my life, but I would like to mention a few of them. Dr. Kathy Kocan who has distinguished herself for work with tick-borne anaplasmosis holds an endowed chair in our college. I became chair of her graduate advisory committee at the outset of my third and final incarnation at OSU. She is a very creative person and she has a wonderful sense of humor. She enjoys designing T-shirts and she also enjoys catching me on film in informal, unguarded moments. Dr. Albert Ilemobade worked with me on ehrlichiosis in the early 1970s and went back to Nigeria where he saw dogs with both ehrlichiosis and hepatozoonosis. He eventually became president (vice chancellor) of a Nigerian university. Though retired from that post, he still uses his parasitology training as a consultant with World Health, FAO and the World Bank, among others.

My friend of more than 40 years – and my wife for almost that long – Dr. Margaret Ewing and I have faced the Oklahoma winds together to great advantage for me. She was trained as an aquatic biologist and she took a couple of courses from Wendell Krull. She and I worked together on *Ichthyophthirius multifiliis*, in channel catfish. Together we also raised three wonderful daughters of whom I am very proud. This photograph, from 1972, was taken by our friend and fellow parasitologist, Helen Jordan. There is one scientist among them, the eldest, Holly, is an ecologist. The middle one, Ann, is a social worker and the youngest, Leah, a reference librarian. Here they are about 25 years later…Holly, Ann & Leah. As important as my professional career has been to me, whatever I may have accomplished has been in the context of my supportive family. I was also fortunate in terms of my family of origin, and I am pleased to say that one of my three siblings is in the audience today.

As you heard earlier, I have had the good fortune to work at several Land Grant institutions and I have enjoyed doing so. Aside from research and teaching parasitology I have had interludes of other activities associated with higher education. I've enjoyed that work also, including my present interim role as an administrator. I have always kept in mind when serving in administrative roles what a former president of Ohio State University once said about administration and I paraphrase: *Administrators do necessary and important work*

*but they depend, as calmly as they can, on faculty and students to do the **real work** of the university.*

For all of you young parasitologists in the audience -- whether you choose academia, government or industry -- I wish for you the same measure of good fortune and excitement that I have had. As I look back at the giants of our discipline, I am especially grateful for my good fortune of working with Wendell Krull. Krull was a founding member of AAVP, its first secretary-treasurer and the third president. We honor his memory at OSU with the Krull Prize in Veterinary Parasitology. The Prize is given to a graduating senior who showed interest and competence in parasitology. The Prize is usually $1,000 these days, but that depends upon what the endowment earnings are in a given year. This is the 1997 winner, Dr. Dennis Crow, who is a board certified dermatologist and deals with parasitic disease on a daily basis. If no graduating veterinary student meets the requirements, we declare "No Award". I hope that some of you became acquainted with one of the two 2002 winners, Dr. Glenn Olah, who has been in attendance at AAVP this week.

In retirement, once I get around to it, I hope to complete a biography of Krull. As an interim project I have recently published a book in which I explore how the outlook of naturalists positively influenced research in parasitology. I have a few copies with me and I would be glad to send copies to others who may be interested. I have some other projects in mind regarding our discipline's history. I've decided that since very few "real historians" are examining veterinary parasitology's rich history, I'll have a go at it myself as an amateur.

In closing I say again thank you to my colleagues who nominated me, to those who supported those nominations, and to the committee members who ultimately chose me for this honor. Although I will certainly retire soon, I hope that I will be able to remain active in AAVP for many years to come. I do not expect to continue bench research much longer, but I am very hopeful that I can attend these meetings and learn about what **you** are discovering and what **you** are teaching the next generation of veterinarians and the next generation of parasitologists. If I continue to be as lucky as I have been in the past, I may even be able to get a spot on your program from time to time to tell you what I learn about the history of our discipline.

2002 AAVP Student Awards

The 2002 AAVP Awards Committee selected the following students for awards, which were presented at the annual meeting.

Student Travel Grants

Seventeen students or post-docs applied successfully for AAVP Young Investigator Travel Grant Awards. Funds will be awarded to these individuals to assist them in attending this year's annual meeting. The names of the travel grant recipients, including institutions and advisors, are: Gagan Gupta (University of Missouri-Columbia, A. Marsh), Marion Butcher (University of Missouri-Columbia, A. Marsh), Alexa Rosypal (Virginia Tech, D. Lindsay), Katie Hancock (Virginia Tech, D. Lindsay), Sheila Mitchell (Virginia Tech, D. Lindsay), Ritesh Tandon (University of Georgia, R. Kaplan), Christine McCoy (Kansas State University, M. Dryden), Nina Steenhard (The Royal Veterinary and Agricultural University of Copenhagen, K.D. Murrell), Helena Mejer (The Royal Veterinary and Agricultural University of Copenhagen, K.D. Murrell), Marie Baudena (Louisiana State University, T. Klei), Nicole Guselle, (University of Calgary, M. Olson), Wayne Forbes (University of Pennsylvania, G. Schad), Sandra Nishi (ANRI, ARS, USDA, J. Lunney), Andrea Varela (University of Georgia, S. Little), Patrick Meeus (University of Florida, E. Greiner), Cynthia Tate (University of Georgia, S. Little), Elizabeth Kruttlin (Michigan State University, L. Mansfield).

Bayer Best Student Paper Award Recipients

Congratulations to Dr. Cynthia Tate, University of Georgia, for her first place presentation: "Experimental transmission and isolation of a novel *Ehrlichia* sp. from white-tailed deer." And to Dr. Andrea Varela, University of

Georgia, for her second place presentation: "Disease agents in the lone star tick (*Amblyomma americanum*) from northeastern Georgia." Bayer provided cash awards for each of these presentations.

Committee Reports

Current AAVP Officers

Based on the results of elections, the current Officers of AAVP for 2002-2003 are as follows: President - Dr. Joe Urban, USDA, ARS, Beltsville, MD; President-Elect - Dr. Craig Reinemeyer, East Tennessee Clinical Research, Knoxville, TN; Vice-President and Program Chair - Dr. Linda Mansfield, Michigan State University, East Lansing, MI; Secretary/Treasurer - Dr. Dan Snyder, Elanco Animal Health, Greenfield, IN; Past President - Dr. Anne M. Zajac, Virginia Tech, Blacksburg, VA.

The officers for 2002-2003 are (from left to right) Dr. Linda Mansfield (Vice President and Program Chair), Dr. Joe Urban (President), Dr. Anne Zajac (Past-President), Dr. Craig Reinemeyer (President-Elect), and Dr. Daniel Snyder (Secretary-Treasurer).

List of AAVP Committee Chairs

The new list of AAVP committee chairs for 2002-2003 is: Awards - Alvin Gajadhar; Constitution/Bylaws -Siva Ranjan; Education - Dwight Bowman; Finance - Frank Guerino; Newsletter/Editorial Board - Susan Little; Outreach/Research - David Granstrom; Publications/Internet - Pat Thomblinson. The Nominations and Program Committee are elected positions. Phil Scholl is current chair of the Nominations committee, and Linda Mansfield is Chair of the 2003 Program. Addresses and phone numbers for these individuals are available in the Directory, which is found in the back of the annual meeting program. A complete list of AAVP committee members is found on page 10 of this newsletter. *Submitted by Dr. Joe Urban.*

President Dr. Joe Urban presents immediate Past-President Dr. Anne Zajac with a plaque commemorating her service to the Assocation.

Future Meetings

World Association for the Advancement of Veterinary Parasitology

The 19th International Conference of the World Association for the Advancement of Veterinary Parasitology will be held in New Orleans, Louisiana August 10-14, 2003.

Future Meetings of the AAVP

Future AAVP meetings:

2003 Denver, CO 19-23, July
2004 Philadelphia, PA 24-28, July
2005 Minneapolis, MN 16-20, July
2006 Honolulu, Hawaii 15-18, July
2007 Washington, DC

AAVP Committees and other Service Positions (year term expires)
2002-2003

Listserv Manager (Ad hoc)
Bert Stromberg

Historian (Ad hoc)
Raphael Roncalli

Archives (Ad hoc)
Mary Doscher (2003)

Awards Committee
Alvin Gajadhar (Chair, 2003)
Antoinette Marsh (2004)
Ellis Greiner (2004)
Tom Kennedy (2005)
Sara Marley (2005)

Constitution and Bylaws Committee
Siva Ranjan (Chair, 2004)
Adalberto Perez de Leon (2004)

Education Committee
Dwight Bowman (Chair, 2005)
Dorsey Kordick (2003)
Doug Hutchins (2003)
Patricia Payne (2004)
Robert Cortinas (2004)
Lora Ballweber (2005)

Finance Committee
Frank Guerino (Chair, 2003)
Ray Kaplan (2004)
Al Marchiondo (2005)

Newsletter/Editorial Board
Susan Little (Chair)
Alex Acholonu (2004)
Ray Fetterer (2004)
David Lindsay (2005)

Nominations Committee (elected)
Phil Scholl (Chair, 2003)
Susan Little (2003)
Lora Ballweber (2004)
Sharon Patton (2004)
Joan Lunney (2005)
Tom Nolan (2005)

Publications/Internet Committee
Pat Thomblison (Chair, 2003)
Tom Nolan (2004)
Antoinette Marsh (2005)

Research/Outreach Committee
David Granstrom (Chair, 2005)
Mike Dryden (2003)
Charles Mackenzie (2003)
Carol Robertson-Plouch (2004)
Doug Hutchens (2004)
Tariq Qureshi (2005)

Program Chair
Linda Mansfield (2003)

Student Representative
Cynthia Tate (2003)

AMERICAN ASSOCIATION OF VETERINARY PARASITOLOGISTS

2003 MEMBERSHIP RENEWAL

Please use this form for the payment of dues to the AAVP for the year 2003 membership period. The 2003 dues year runs from September 1, 2002 to August 31, 2003. Please complete the form with any updated information and return it to me at the address below. Please pay your dues promptly. The success of the AAVP is at least in part dependent on fiscal survival. ***Note that 2003 dues for regular members have been increased to $30.00.***

PLEASE PRINT

Name_____
First MI Last

Institution/Business Affiliation_____

Address_____

_____

City_____State_____ZIP_____

Telephone No._____Fax No._____

e-mail address_____ (PLEASE PRINT CLEARLY)

Dues: $30.00 ($10.00 for students) in U.S. Funds (cash, check, or money order) and drawn on a U.S. bank. Make check payable to the American Association of Veterinary Parasitologists (AAVP). Please do not make the check out in the name of the secretary-treasurer.

Return to: **Dr. Daniel E. Snyder, Secretary/ Treasurer**
American Association of Veterinary Parasitologists
Mail Drop GL21
P.O. Box 708
Greenfield, IN 46140 USA
phone: 317/277-4439
fax: 317/651-3125
email: snyder_daniel_e@Lilly.com

AMERICAN ASSOCIATION OF VETERINARY PARASITOLOGISTS (AAVP)
FOUNDED 1956
AFFILIATED WITH THE AMERICAN VETERINARY MEDICAL ASSOCIATION

The objectives of the AAVP and its requirements for membership (Articles II and III of the AAVP Constitution) are:

Objectives: "The objectives of the organization shall be to provide for the association of persons interested in the advancement of veterinary parasitology, and for the presentation and discussion of items of common interest, and to further scientific progress by education and research in veterinary parasitology. This association is organized exclusively for scientific and educational purposes within the meaning of section 501(C)(3) of the Internal Revenue Code. Notwithstanding any other provision of this constitution, the Association shall not carry out any other activities not permitted to be carried out by an organization exempt from Federal Income Tax under section 501(C)(3) of the Internal Revenue Code."

Membership: "Section 1: Members shall consist of those individuals qualified by background, education and interest in veterinary parasitology. Section 2: New members, except honorary and emeritus, shall be admitted by the Secretary-Treasurer with approval of the Executive Committee, after filing application for membership to the association. Section 3: Honorary membership shall be awarded by the Association to persons who are not members of the Association in recognition of outstanding and sustained achievements in veterinary parasitology. Candidates for honorary membership shall be recommended to the awards committee by any member. Nomination for honorary membership shall be made by the Awards Committee to the membership and election shall be majority vote at the annual meeting. Honorary members shall not be eligible to vote and shall not be assessed dues. No more than two (2) honorary members shall be elected in any one-year period. Section 4: Upon retirement a member may become an emeritus member on approval of the Executive Committee of a written request to the Secretary-Treasurer for such status. Emeritus members shall retain voting rights but shall not be assessed dues. Section 5: Forfeiture of membership will occur where dues are not paid for at least two consecutive years. A member who has forfeited membership by nonpayment of dues must reapply for membership. Section 6: Expulsion of a member may occur if a motion for expulsion is presented by the Executive Committee at the annual meeting and passed by four-fifths (4/5) of the members present and voting. The member is to be informed in writing of such a motion at least two months in advance of the annual meeting at which the motion is to be presented. Section 7: The Executive Committee may annually invite any firm, association, corporation, institution or subdivision thereof, to become a corporate associate member, for financial support of the Association."

Should you wish to become a member of the AAVP, please provide the following information and send this form and a check (regular membership $30.00, student membership $10.00, U.S. currency) payable to the AAVP, to the Secretary-Treasurer at the address given below. **The 2003 dues year runs from September 1, 2002 to August 31, 2003.**

_____ _____

Name and Academic Degree (s) Institutional/Business Affiliation

_____ _____

Mailing Address (Office/Lab) Title

_____ _____

_____ _____ _____

Phone Number Fax Number Email Address

Submit completed application and send along with the membership dues to the Secretary-Treasurer at the address listed below:

SECRETARY-TREASURER
Dr. Daniel E. Snyder
c/o Elanco Animal Health
Mail Drop GL21
PO Box 708
Greenfield, IN 46140
(317) 277-4439; Fax (317) 651-3125
email: Snyder_Daniel_E@Lilly.com

The American Association of Veterinary Parasitologists

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The American Association of Veterinary Parasitologists Newsletter is published three times each year with issues in February, June and October. Contributions to the Newsletter are welcome and should be submitted by the 20th of the month prior to each date of issue.

AAVP Newsletter Deadlines for Submissions

Newsletter	Deadline
February, 2003	January 20, 2003
June, 2003	May 20, 2003
October, 2003	September 20, 2003

Please contact the editor with questions regarding these dates.