AAVP Newsletter

American Association of Veterinary Parasitologists

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From the President

Dear AAVP members and colleagues:

I would like to update the membership by first looking back and then focusing on the future of our organization. I would like to thank Dr. Lora Ballweber for her dynamic leadership during the past year. I would also like to recognize the hard work of Dr. Patrick Meeus as the program chair of the excellent summer 2010 conference in Atlanta. Those of you who participated had the opportunity to hear some great scientific presentations as well as a little entertainment highlighting the "Monsters Inside Me" TV series on parasitic infections. We had a large student contingent contributing impressive scientific presentations which gave the Awards Committee a tough assignment in selecting award winners. Thanks to that committee for its hard work. I would like to again thank the corporate sponsors who support our conferences and ensure that the registration fees remain affordable. For members who were not able to attend the 2010 meeting, please make plans for the 2011 meeting in St. Louis in July! Because we have changed some of the job responsibilities of your elected officers, Patrick will again take the lead in organizing next summer's conference. On a separate note, a huge thanks is due to Dr. Al Marchiondo as he steps down as the AAVP secretary, but he is simply changing roles to serve as this year's Vice President, so we are fortunate to have him in a leadership position for several more years. And there are many others who should be acknowledged for their continued support of our organization.

From the President (continued)

Some exciting initiatives are underway this year. Based largely on the efforts of our student representatives, Ashley Linton and Stephanie Heise, and the Constitution and By-laws committee, our Constitution was amended at the summer conference and students are now able to establish AAVP student chapters at their respective universities. This organization has always had a student-friendly attitude, and now there is a formal structure to better support our future leaders in the field of parasitology.

The AAVP participated in the NAVMEC (North American Veterinary Medical Education Consortium) meetings this year. The NAVMEC consortium was organized by the American Association of Veterinary Medical Colleges (AAVMC) to develop a comprehensive roadmap for directing the future development and changes in veterinary medical education. The summary and detailed reports generated thus far by NAVMEC are available at the website (http://www.aavmc.org/NAVMEC) addressing the topics: evolving societal needs and expectations for the veterinary profession, educational models and professional competencies to meet those needs, and the implications of changing educational models and methods on veterinary licensure and accreditation. I am personally please that our parasitology area of specialization was represented in this process.

One of my goals as AAVP president is to support instruction in parasitology by utilizing the resources of the AAVP members. A pair of questionnaires were available at the summer meeting to identify members who were interested in sharing or acquiring images or teaching specimens. Those questionnaires are also available in this newsletter for any additional AAVP members to participate. All who have expressed interest will be contacted for further communications and development of these resources. On a related note, Dr. Tom Nolan, on the Publications/Internet committee has a large number of parasitology images available to the membership at a website. Please contact him directly at parasit@vet.upenn.edu to have access to this generous resource.

The Executive Council of the AAVP will convene for a mid-year meeting in February, 2011. One important topic for discussion is whether the AAVP should take a proactive role in developing guidelines/best practice recommendations on parasitologic topics. Other professional veterinary organizations (AAEP and AAFP, for instance) are developing various policy/practice documents, and the AAVP has received several requests regarding this possible initiative. Opinions or input from the membership would be appreciated on this topic. Another agenda item is the continued development of liaisons and interactions with other professional organizations. An example of these partnerships is illustrated in next summer's meeting, where the AAVP will be co-hosting the conference along with the LIWC and ISEP (see the AAVP website for further details). Another agenda item will be the development of copyright guidelines for the use of the program book and abstracts presented at our summer conferences. If any AAVP members have additional topics that they would like to add to the agenda for the mid-year officers' meeting, please contact me or any of the other officers with your ideas or suggestions.

The AAVP can grow and excel only if we have an informed and participating membership. So I welcome your ideas and discussion about how our organization can support and advance veterinary parasitology. I look forward to serving the AAVP membership during the coming year.

Submitted by: Karen Snowden, President AAVP

From the Secretary/Treasurer

I wish to sincerely thank Dr. Alan Marchiondo for his outstanding service as AAVP Secretary/Treasurer over the last six years. Al devoted considerable time and effort in providing accurate AAVP membership and business records, planning and organizing meeting arrangements, and assuring fiscal soundness of the organization. He is to be commended for his service and dedication to the association. We all look forward to his continued service to AAVP as Vice President.

The AAVP 2011 year started September 1, 2010 and runs through August 31, 2011. Dues may be paid on-line at www.aavp.org using American Express, MasterCard or VISA. You may also pay current or past-dues by check, using the Membership Renewal form which is provided in this issue of the AAVP Newsletter. On-line renewal notices will be sent by email in November to all members who have not paid. Please call or email me if you have any questions about your dues status. The annual AAVP membership dues are still a bargain at $30 for regular members and $10 for students. Please email to me any changes in your contact information so we can update it on the AAVP web site.

Electronic subscriptions to Veterinary Parasitology are available to AAVP members. Elsevier has informed us of a small increase in the subscription fee from $35.00 to $37.00 annually. The subscription is voluntary and not included in the regular or student dues. The option to subscribe is listed on the AAVP website and the Membership Renewal form.

Also attached to this issue of the Newsletter is a 2011 New Member Application form. Please pass along a copy of this form to colleagues or students who would be interested in joining AAVP. The 2011 New Member Application form is also available on the AAVP web site (http://www.aavp.org).

Dues and all correspondence to the Secretary/Treasurer should be addressed to: Dr. Bob Arther, c/o Bayer HealthCare, Animal Health, P.O. Box 390, Shawnee, KS 66201. Phone: 913-268 -2503, Fax: 913-268-2541, email: bob.arther@bayer.com.

Submitted by Dr. Bob Arther, Incoming Secretary/Treasurer AAVP.

2010 Annual Meeting Report

The 55th annual meeting of the American Association of Veterinary Parasitologists was held at the Loews Atlanta Midtown Hotel, Atlanta, GA, Saturday July 31 through Tuesday morning August 3, 2010. Approximately 178 parasitologists consisting of members, invited speakers and students from academia, government and industry were in attendance from 10 countries. Ninety-one oral presentations were given. Dr. Patrick Meeus was the Scientific Program Chair. Socials were hosted by Bayer on Saturday evening and Merial on Sunday evening. The AAVP Board meeting was held on Saturday from 8:00 AM to 1:00 PM. The AAVP Business and Awards meeting was held on Monday from 3:00 PM to 5:30 PM. An AAVP sponsored cocktail party was held immediately following the business meeting. Pfizer Animal Health sponsored all coffee breaks during the meeting. The AAVP graduate student/post-doc luncheon/mixer was held on Monday at noon. During the student mixer, Alice Houck, Virginia Tech, was elected as the 2010-2012 Student Representative for the AAVP Student Committee to co-serve with Ashley Linton. Stephanie Heise, Oklahoma State University, this year's AAVP/Intervet Outstanding Graduate Student Award winner, gave her presentation prior to the student paper competition on Sunday morning. The AAVP President's Symposium was held on Tuesday morning.

Fourteen Young Investigator travel grants (maximum $500) were awarded this year. Sriveny Dangoudoubiyam was awarded the AAVP/CAPC Graduate Student Award in Zoonotic Disease. Sriveny was presented a plaque and a check for $1,000. The AAVP/Intervet Graduate Student award was presented to Stephanie Heise, Oklahoma State University. Stephanie was presented an honorarium and a plaque during the awards ceremony. The AAVP Distinguished Veterinary Parasitologist Award (sponsored by Merial) was awarded to Dr. George A. Conder, Pfizer Animal Health – Retired, Kalamazoo, MI. Lindsay Starkey from Oklahoma State University was awarded 1st place in the Best Student Paper Presentation competition by Bayer and received a check for $500.00. Richard Gerhold from the University of Georgia received 2nd place in the Best Student Paper Presentation competition sponsored by Bayer and received a check for $300.00. Honorable Mentions for the student paper competition were Alice Lee, Cornell University; Jennifer Towner, University of Georgia; Ashley McGrew (Linton), Colorado State University; and Michelle Gourley, Western Michigan University.

Monday afternoon President Lora Ballweber gave the 2010 AAVP Presidential address. She was recognized for her efforts and contributions to AAVP during the meeting and was given a plaque by President-elect, Karen Snowden. Alan Marchiondo was elected as AAVP Vice President and the Program Chair for 2010-2011 will be Patrick Meeus. Bob Arther was elected as the new Secretary/Treasurer. Tom Nolan and James Miller were elected to the Nominations Committee

This is my last annual meeting summary report as Secretary-Treasurer. The last 6 years serving AAVP as the Secretary-Treasurer was extremely rewarding to me personally and professionally. I enjoyed the diverse interactions with the membership and established closer relationships with many colleagues. Thanks to everyone for their support and help to make AAVP a sustainable, vibrant scientific organization. AAVP is in good hands with the newly elected Secretary-Treasurer, Dr. Bob Arther, and I look forward to working with Bob to continue to make AAVP an outstanding scientific organization.

Left to right: AAVP Officers for 2010-2011: Alan A. Marchiondo (Vice-President),Alice Houk (Student Representative), Karen Snowden (President),Patrick Meeus (President-Elect and Program Chair), Ashley Linton (Student Representative), Lora R. Ballweber (immediate Past-President),Bob Arther (Secretary/Treasurer).

Submitted by Dr. Alan A. Marchiondo, Secretary/Treasurer 2009-2010, AAVP.

2010-2011 AAVP Officers

Based on the results of the elections, the current officers of AAVP are as follows:

President: Dr. Karen Snowden, Texas A&M University, College Station, TX

President-Elect and 2011 Program Chair: Dr. Patrick Meeus, Pfizer Animal Health, Kalamazoo, Mi

Vice-President: Dr. Alan A. Marchiondo, Pfizer Animal Health, Kalamazoo, MI

Secretary/Treasurer: Dr. Bob Arther, Bayer Animal Health, Shawnee, KS

Immediate Past-President: Dr. Lora R. Ballweber, Colorado State University, Fort Collins, CO

AAVP Committee Chairs and members

The **chairs** and members of the committees for 2010-2011 are provided below. Thanks to those who volunteered their time. If anyone else would like to serve, please contact either me or the chair of the committee.

Nominations Committee (elected)

Tom Nolan (2013), James E. Miller (2013), Tammi Krecek (2012),Tom Klei (2012),George Condor (2011), Ellis Greiner (2011)

Student Representative (elected)

Ashley Linton (2011), Alice Houk (2012)

Program Committee

Patrick Meeus (2011), Al Marchiondo (2012), Karen Snowden (2011), Lora Ballweber (2011)

APPOINTED COMMITTEES

Listserv Manager (ad hoc)

Bert Stromberg

Historian (ad hoc)

Raffaele Roncalli

Archives

Tom Nolan (2012), Raffaele Roncalli, Les Choromanski (2012)

Awards Committee

Andrew Peregrine (2012), Doug Carithers (2012), Mason Richard (2011), Doug Hutchens, Stephanie Heise (2013)

Constitution and Bylaws Committee

Wendell Davis (2010), Lori Carter (2012), Stephanie Heise (2012), Amy Edwards (2012)

Education Committee

Gary Conboy(2012), Doug Hutchens (2012), Araceli Lucio-Forster (2012), Mary Rossano (2011), Tammi Krecek (2011), Pat Payne (2013)

Finance Committee

Ray Kaplan (2012), James Miller (2012), Sheila Mitchell (2011), Frank Guerino (2011), Andrew Moorhead (2013)

Newsletter/Editorial Board

Jenifer Edmonds, Editor (2012), Ann Donoghue (2012), Heather Stockdale (2011), Kristine Edwards (2011), Claire Mannella (2013)

Publications/Internet Committee

Tom Nolan (2012), Doug Carithers (2011), Tariq Qureshi (2013)

Research/Outreach Committee

Anne Zajac (2012), Jeanne Howell (2012), Doug Hutchens (2012), Dwight Bowman (2011), Charles Mackenzie (2013)

Past Presidents

Lora Ballweber (2013), Susan Little (2012), David Lindsay, (2011)

IOSA Reunion

Dwight Bowman

Submitted by Dr. Karen Snowden. *President, AAVP.*

Dr. Karen Snowden (left) presented recognition plaques to Dr. Lora Ballweber and Dr. Al Marchiondo.

Awards

2010 AAVP Distinguished Veterinary Parasitologist Award (sponsored by Merial)

The AAVP Distinguished Veterinary Parasitologist Award recipient for 2010 is Dr. George Conder.

Dr. Doug Carithers (left, Merial LTD) and Dr. Andrew Peregrine (right, Awards Committee) and presented the Distinguished Veterinary Parasitologists Award to Dr. George Conder (center).

2010 AAVP Student Awards

AAVP Young Investigator Travel Grant Award Winners

Fourteen students received Young Investigator Travel Grants to assist with attendance at the 2010 meeting. All fourteen students gave oral presentations within the scientific program. The names of the travel grant recipients, including institutions and advisors, were:

Alice Houk (Virginia Tech, David Lindsay)
Alice Lee (Cornell University, Dwight Bowman)
Ashley Linton (Colorado State Univ., Lora Ballweber)
Brad De Wolf (University of Guelph, Andrew Peregrine)
Brian Neumann (Virginia Tech, Anne Zajac)
Casey Burke (Virginia Tech, Anne Zajac)
Christopher Evans (University of Georgia, Ray Kaplan)
Daniel Zarate Rendon (Univ. of Georgia, Ray Kaplan)
Danielle Dimon (University of Georgia, Ray Kaplan)
David Goodwin (Virginia Tech, David Lindsay)
Jennifer Towner (University of Georgia, Ray Kaplan)
Kelly Allen-Warren (Oklahoma State Univ, Susan Little)
Lindsay Starkey (Oklahoma State Univ., Susan Little)
Ujvala Gadde (Univ. of Arkansas, David Chapman)

Andrew Peregrine (left, Awards Committee) and the 2010 AAVP Travel Grant Recipients. Back row (left to right): Brad De Wolf, Brian Neumann, and Alice Lee. Front row (left to right): Alice Houk, Casey Burke, David Goodwin, Lindsay Starkey, Ujvala Gadde, and Ashley Linton.

Dr.

AAVP-Intervet / Schering Plough Outstanding Graduate Student Award

This year the AAVP-Intervet/Schering-Plough Graduate Student award was presented to Stephanie Heise, Oklahoma State University. Stephanie gave a 30-minute talk at the beginning of the student presentations entitled "On the tracks of erythema migrans – Lone star ticks, bacteria and disease".

AAVP/CAPC Graduate Student Award in Zoonotic Disease

Sriveny Dangoudoubiyam, of Purdue University, was selected for the third AAVP-CAPC Graduate Student Award in Zoonotic Disease, for her extensive research on *Baylisascaris procyonis*. Andrew Peregrine, Awards Committee Chair presented the AAVP/CAPC Award to Sriveny Dangoudoubiyam.

Bayer Best Student Paper Award Recipients

Congratulations to Lindsay Starkey from Oklahoma State University, for her 1st-place presentation: "Characterization of diversity of *Hepatozoon* spp. in coyotes". Richard Gerhold, University of Georgia, received 2nd place in the Best Student Paper Presentation competition for his talk entitled: "Immunization of Northern Bobwhites with a low dose of *Eimeria lettyae* provides protection against a high dose challenge".

Both award winners were presented with honoraria during the awards ceremony. Alice Lee (Cornell University), Jennifer Towner (University of Georgia), Ashley Linton (Colorado State University), and Michelle Gourley (Western Michigan University) all received honorable mentions for their presentations and will have their student registration fee for the 2011 AAVP meeting covered by the AAVP.

And one very encouraging note: Twenty-four students gave presentations in the 2010 Best Student Paper Competition – the highest number for many years!

Dr. Susan Little (center) with her students, Lindsay Starkey (left, first place Best Student Paper Competition and Stephanie Heise (right, Outstanding Graduate Student award winner).

Future Parasitology Meetings

Future meetings of the AAVP

The 55th Annual Meeting of AAVP will be held in St. Louis, MO, 16 July - 19 July, 2011at the Sheraton Westport Hotel.

2012 SAN DIEGO, CA, 4-7 AUGUST
2013 CHICAGO, IL, JULY 20-23
2014 DENVER, CO, July 26-29

American Society of Tropical Medicine & Hygiene (ASTMH) 2010

The 59th annual meeting of ASTMH will be held November 3-7 at the Marriott Atlanta Marquis Hotel Atlanta, Georgia, USA. http://www.astmh.org.

Conference of Research Workers in Animal Diseases (CRWAD) 2010

The 2010 CRWAD Meeting will be held December 5-7, at the Chicago Marriott, Downtown Magnificent Mile, Chicago, IL. AAVP continues to support the best student competition in the parasitology section of the CRWAD meeting. http://www.cvmbs.colostate.edu/mip/crwad/index.htm

World Association for the Advancement of Veterinary Parasitology

The 23rd International Conference of the World Association for the Advancement of Veterinary Parasitology will be held 21-24 August 2011in Buenos Aires Argentina. http://www.waavp.org.

The WAAVP Africa Foundation (WAAVP-AF) is offering a limited number of partial scholarships for parasitologists from Africa to attend this conference. See the advertisement on page 16 for more information.

AAVP Distinguished Parasitologist Award Recipient

People, Models, and Drugs

It is with great pleasure and humility that I accept this award. I thank AAVP, the Award's Committee, those involved in my nomination, and Merial for this honor. I feel out of my league when I recall the outstanding group of indivividuals who have received this award in the past. Receiving this award has given me the opportunity to reflect on how one gets from point A to point B and my journey has not been a straight path, rather it has been a winding way marked with many forks and detours. However, all along the way there has been a wealth of superior colleagues and friends to guide my way, interesting opportunities, and challenging research. Please bear with me as I take you back through time and down my path highlighting some, by no means all, of the great people I have had the distinct pleasure to work with, some of the research I've participated in over the years, and a few of the drugs I had the opportunity to touch.

I grew up in New Mexico and most of the Southwestern U.S. as my father was in heavy construction. I spent a good portion of my early years visiting remote and interesting places as he constructed much of the infrastructure into places like the Gila Wilderness, Window Rock, and Eagles Nest. Because of this influence, I thought I might pursue a career as an engineer. However, in truth as I approached college, I was much more interested in playing football than in an education. Excitement over receiving a scholarship and signing a letter of intent to Michigan State University was soon subdued by the realization of a kid from the Sunbelt that it snows in Michigan (something I was ultimately unable to avoid as will become apparent as my story unfolds). It was shortly after this snowy epiphany that I was approached by the coach from Pomona College in Southern California. He suggested that if I would attend Pomona I would get a very good education and be able to play as a freshman. Given the facts that I was not bound by the letter of intent to MSU if I attended Pomona and that it's "always sunny" in Southern California, I headed off to have fun in the sun. Although I did get a good education and was able to play football for four years, my first year in the sun was anything but sunny, as it turned out to be one of the wettest years on record for Southern California. Upon graduation, I joined an engineering company in Albuquerque.

It didn't take long to determine that I was not cut out to be an engineer, so I applied to graduate school at The University of New Mexico. To be accepted, I had to identify a major. The class I enjoyed most as an undergraduate was Symbiosis (parasitology in disguise), hence, I chose parasitology as a major, a decision I have never regretted. At UNM, I pursued a Masters degree under the tutelage of Donald Duszynski, who is known for both his research and his partying. At UNM, I was exposed to the fundamentals of laboratory research. My research was on the effects of heat and Co-60 gamma-radiation on oocysts of *Eimeria nieschulzi*, as a model for a coccidian vaccine. It is worth noting that security did not start with 9/11 as my research required a security check, passing through four armed checkpoints to get to the reactor, and an armed guard constantly at my side. Although interesting, the research came to naught as it soon became apparent that similar immunizing effects to those elicited by radiation-attenuated oocysts were achieved using small numbers of non-irradiated oocysts. It was during my stint in Don's laboratory that I first met Alan Marchiondo (we were Don's first two students). We became life-long friends and frequent collaborators. Also while at UNM, I met and became friends with Lillian Mayberry (then at Colorado State University) and Jack Bristol (The University of Texas at El Paso), who later married. Over the years we have had a long-standing collaboration examining the immunobiology of coccidia and I served on a number of their graduate student's committees as an adjunct member of the UTEP faculty.

Following my Masters program, I had a short summer research grant with Argonne National Lab where I studied the effects of once-through cooling from nuclear power plants on Lake Michigan flora and fauna with my emphasis being on parasites of fish as multipliers of any effects, as part of a much larger research effort on this topic at the lab. There were no detectable effects (my research or the greater labs), other than thermal insult to fish swimming directly into the hot water efflux at the immediate entry point to the lake.

I next joined Ferron Andersen's laboratory at Brigham Young University to pursue a Doctorate degree. Ferron was a true gentleman and an outstanding scientist who taught me the rigor, detail, and excitement of science. He had many years of continuous NIH funding centered on researching and controlling hydatid disease in the Mountain west and globally. My research, "Echinococcosis in domestic and wild animals: Aspects of diagnosis, prevention and control", was a part of this program. Some of the most interesting work we did was to participate in clinical trials with a new drug, praziquantel. This drug proved to be very effective against *Echinococcus* spp. and became an essential tool in the hydatid disease control program. Toward the end of my time at BYU, Al Marchiondo, my old friend from UNM, entered a doctoral program with Ferron. A number of joint publications on tapeworms resulted from our reunion. I also had the opportunity at BYU to meet and interact with Peter Schantz (CDC), a long-time collaborator of Ferron's. Peter added a more worldly view to my training and recommended me to Jeffrey Williams' NIH postdoctoral training program at Michigan State University, which would be my next stop. So it was back to the snow in Michigan, but it would only be for a year or two or so I thought.

Working in Jeff's Lab at Michigan State allowed me to refine my research skills, expand my contacts in the parasitology world, and learn what it was like to work in a large research group. My research at MSU focused on host/parasite interactions, but the real learnings came interacting with the large parasitology group at MSU. Jeff is a world class scientist and the group at MSU included a number of other talented workers in parasitology (including Jim Bennett, Ralph Pax, and Tjaart Schillhorn Van Veen) and their students/postdocs. Among the later were three (Tim Geary, Dave Thompson, and Anne Zajac) who became longtime friends and colleagues. Two lessons Jeff instilled in me were 1.) you're lucky if 1-of-10 things you try work, so don't despair, and 2.) the days of renaissance men or women are past; in today's world, progress requires teams of individuals with diverse expertise.

From my postdoc I moved to a scientist position with the Upjohn Company in Kalamazoo, Michigan. A Michigan theme seemed to be developing. The job I applied for at Upjohn was to head up a tropical diseases group. Despite my skepticism that a pharmaceutical company could have a sustainable interest in a human parasitology program, I was assured that Upjohn was committed to this program. However, after being hired and before I could walk through the door, there was a change in VP and I was informed the tropical disease program no longer existed. Although I could still have the job if I was interested, the job would be in the veterinary parasitology group. I accepted the job and was charged with putting in place the strategy and models for an anthelmintic discovery program, as well as interacting on the other programs the group was pursuing, e.g. amitraz was under development for use against fleas, ticks, and mites. A variety of models were put into place, most notably a jird model. The jird model was a powerful tool that provided a number of unique and attractive advantages. It was cost effective, had modest drug requirements, accommodated a spectrum of parasites (nematodes, flukes, and tapeworms), correlated well to target species, and was amenable to a variety of questions (efficacy, dose response, safety, pk, resistance, time-course, etc.). This model and other aspects of the program allowed the discovery of a number of classes with anthelmintic activity, most of which attrited due to narrow spectrum or unacceptable safety profile. However, near the end of my time at Upjohn, a fermented preparation evaluated in the jird assay exhibited exciting activity; the active component was identified as marcfortine. Through a directed analogue program, this lead was progressed to a molecule, 2-desoxyparaherquamide, which ultimately would make it to the marketplace. I will comment further on 2-desoxyparaherquamide later in my story. Over the years, several individuals well known to AAVP were members of the parasitology team at Upjohn, including Bud Folz, Tim Geary, Dave Thompson, Sandra Johnson, and Eileen Coscarelli (Thomas).

In addition to work in veterinary parasitology at Upjohn, I and my colleagues there had the opportunity to participate in work attempting to identify a macrofilaricidal drug for onchocerciasis. The work on chemotherapy of onchocerciasis was done under a grant from the World Health Organization in which Jeff Williams and I were co-Principal Investigators working with a consortium of my Upjohn colleagues and a number of external researchers, including Charles Mackenzie, John McCall, Tom McTier, Jim Bennett, and Ralph Pax. Although we weren't able to discover a macrofilaricide, we did contribute methods and models to onchocerciasis research. Following the completion of the grant work, I continued for several years as a

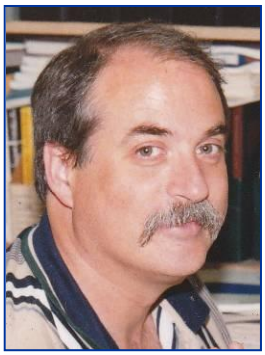
Temporary Advisor to the WHO Onchocerciasis Chemotherapy Project Steering Committee, including during the time when ivermectin was developed for use against onchocerciasis, and still later as a member of the MACROFIL Steering Committee.

In 1994, I had the honor of serving as AAVP President. Also in 1994, after 14 years in the Discovery group at Upjohn, I was approached by Pfizer to join their Development group and head up the Clinical team developing Dectomax® in the U.S. With encouragement from Rob Rew who convinced me that Pfizer was a great place to work, I made the move to Groton, CT. I was finally getting away from the snow in Michigan. On joining Pfizer, I worked with a number of gifted colleagues, some of who are well known to AAVP such as Rob Rew, Terry Skogerboe, Sara Marley, Andy Weatherley, Rick Clemence, Patrick Meeus, Robert Six, and Tom McTier. In the Development group I worked on a variety of antiparasitics, most notably doramectin and selamectin, as well as other drugs, e.g., the recently licensed antiemetic maropitant (Cerenia®) which is the first drug approved in the U.S. for this veterinary use. In 2003, following the Pfizer acquisition of Pharmacia (formerly Upjohn and then Pharmacia-Upjohn), Pfizer's Animal Health R&D group was moved from Groton to the Pharmacia research campus in Kalamazoo. So I was back in Michigan. I think the universe is trying to tell me I'm meant to be in Michigan and the snow! The Pharmacia acquisition reunited me with several old Upjohn colleagues (Tim Geary, Dave Thompson, Sandra Johnson, and Eileen Coscarelli) and with 2-desoxyparaherquamide, which provided the chance to participate in its development. It recently has entered the market for use in sheep as a combination product (Startect®) containing 2-desoxyparaherquamide and abamectin. This member of the marcfortine/paraherquamide class works through a novel mechanism-of-action, (nicotinic antagonist). Due to its novel mode-of-action, it has excellent activity against worms resistant to other anthelmintic classes and provides a valuable tool to aid in controlling the severe resistance problem in sheep. Startect® should serve as a lesson in perseverance as its discovery and development bridged four companies over 17 years. In my last few years at Pfizer, I moved from the Development group to head up the Antiparasitics Discovery group and to move and integrate this group (previously located in Sandwich, UK) into the Kalamazoo campus. Some of the key people in this group and its transition who are known to AAVP are Debra Woods, Al Marchiondo, Patrick Meeus, and Tom McTier. Also while at Pfizer, I participated on the VICH anthelmintic (other participants included Jozef Vercruysse, Tom Letonja, and Peter Holdsworth) and VICH target animal safety working groups which produced guidelines for development of anthelmintics and, in the case of the target animal safety guidelines, other products globally.

There is one other person I would be remiss not to mention, a person who served as a role model for me. That person is Bill Campbell. Bill has excelled as an industrial scientist and as a multi-talented human being. It was an honor for me to be invited on two occasions to co-author publications with him, one a chapter in Advances in Parasitology on chemotherapy of nematode infections and drug resistance and the other along with Al Marchiondo for the WAAVP meeting in 2009 on the future of the animal health industry in a time of food crisis.

Despite Popular Science proclaiming in its November 2004 issue that "worm parasitologist" ranked as the number 2 worst job in science based on criteria which included macabre, generally disgusting, involves digestive products, risk of disease, poor compensation, and inspires ridicule, I have thoroughly enjoyed the twists and turns that allowed me to work with parasites and the parasite community. In closing, I thank my parents, George and Teresa, for their support and indulgence in letting me find my own path. I thank my wife and children, Kathy, Brie Anne, Ty, and Lucie, for being there for me when I was not always there for them and for tolerating my inappropriate and ill-timed parasite stories. I thank all the great colleagues, those named and the many I wasn't able to name in this brief account, who made it possible to achieve whatever success I have had. And again, I thank AAVP and Merial for this honor.

Obituary



Steve J. Upton, age 57, died Thursday July 29, 2010 in Manhattan, Kansas where he had lived for the past 24 years, after a courageous battle with cancer.

Steve was born June 14, 1953, in Portland, Oregon the son of Edward J. and Helen C. (Karle) Upton. He lived his childhood in Forest Grove, Oregon and spent his summers at Olallie Lake Resort working in the summer family business. He graduated from Forest Grove High School, Forest Grove, OR in 1971. He worked several seasons for the Forest Service in fire suppression including being a member of the hot shot Helitak Crew. He earned his BS from Oregon State University in 1975, his MS in Parisitology from University of New Mexico in 1981, and his PhD in Parisitology from Auburn University in 1983. Next he spent two years as a visiting professor at University of Texas in El Paso before accepting a faculty position at Kansas State University in 1986 where he worked until the present. During that time Steve developed an international reputation as an expert in the biology of parasitic organisms. He had over 220 publications related to his research in Parasitology.

Survivors include his daughter, Sierra Upton of Manhattan, KS; a sister: Susan Upton Lovro and her husband David of Santa Fe, NM; 2 nephews: Benjamin and Luke Lovro both of Santa Fe, NM. He is also survived by other family members and many friends, colleagues and former students. Of mention are close friends Bob Lehew of Manhattan, KS and Don Duszynski of Placitas, NM.

Memorial contributions may be made to the Kansas State University Foundation for the Division of Biology, and left in care of the Yorgensen-Meloan-Londeen Funeral Home 1616 Poyntz Avenue, Manhattan, Kansas 66502.

Steve Upton in 1984 with friends and colleagues.

Obituary was taken from the Yorgensen-Meloan-Londeen Funeral Home website in Manhattan Kansas at www.ymlfuneralhome.com

Evening Socials

Graduate Student Luncheon

AAVP Educational Image Sharing Questionnaire

At the December, 2009, AAVP Education Symposium, discussion among participants indicated that some CVM/SVM educational programs could use support regarding **parasite-associated images** for teaching purposes.

After investigating several options, the AAVP Executive Committee suggests that a simple web-based image sharing URL site is a good starting point. If you are interested in acquiring or sharing images, please complete the questions below and send the questionnaire to Karen Snowden (email address: ksnowden@cvm.tamu.edu or mailing address: Texas A&M University, CVM Mailstop 4467, College Station, TX 77843-4467)

INTERESTED IN ACQUIRING IMAGES:

NAME: _____

AFFILIATION: _____

E-MAIL ADDRESS: _____

Are you an AAVP member? YES G NO G

INTERESTED IN SHARING IMAGES
(images must be generated by donor; copyright assigned to donor)

NAME: _____

AFFILIATION: _____

E-MAIL ADDRESS: _____

Are you an AAVP member? YES G NO G

AAVP Availability of Teaching Specimens Questionnaire

At the December, 2009, AAVP Education Symposium, discussion among participants indicated that some CVM/SVM educational programs could use support regarding **parasite gross specimens, glass slide specimens, histologic sections and positive fecal samples** for teaching purposes. The AAVP Executive Committee is trying to facilitate the collection and distribution of parasitologic teaching materials in support of good teaching practices in veterinary parasitology.

If you are interested in acquiring or sharing specimens, please complete the questions below and send the questionnaire to Karen Snowden (email address: ksnowden@cvm.tamu.edu or mailing address: Texas A&M University, CVM Mailstop 4467, College Station, TX 77843-4467)

INTERESTED IN ACQUIRING SPECIMENS:

NAME: _____

AFFILIATION: _____

E-MAIL ADDRESS: _____

Are teaching funds available to offset costs of specimen preparation and shipping?:

YES G NO G

Please indicate the type(s) of specimens that are desired:

G gross specimens G histologic sections

G glass slide specimens G positive fecal samples

INTERESTED IN SHARING PARASITOLOGIC SPECIMENS:

NAME: _____

AFFILIATION: _____

E-MAIL ADDRESS: _____

Please indicate the type(s) of specimens that available for sharing:

G gross specimens G histologic sections

G glass slide specimens G positive fecal samples

G locally available parasite of interest to others: _____

WAAVP Africa Foundation Scholarship Announcement

World Association for the Advancement of Veterinary Parasitology African Foundation (WAAVP AF)

The WAAVP AF will provide a limited number of partial scholarships to assist veterinary parasitologists from Africa to attend the 23rd WAAVP Conference to be held in Buenos Aires, Argentina, 21 - 25 August 2011.

Applications should include:

- A copy of the abstract(s) for paper(s) or poster(s) which were submitted to the 23rd WAAVP Conference Convenor
- A letter of recommendation from a current supervisor
- An indication of how other costs (beyond a WAAVP AF grant) will be met (i.e. possibility of obtaining supplemental funds elsewhere)
- Other envisaged contributions to the conference (i.e. workshop participant, chairperson of session, etc.) and
- A brief indication of how the applicant sees attendance contributing to his/her development in veterinary parasitology.

Submit applications to:

Dr Rosina (Tammi) Krecek
Ross University School of Veterinary Medicine
630 US Highway 1, Suite 600
North Brunswick
New Jersey 08902-3311 USA
Tel: 1 869 465 4161 X119
Fax: 1 869 465 6156
E-mail: tkrecek@rossvet.edu.kn

DEADLINE: 15 January 2011

2011 Membership Renewal

Please use this form or register on-line (www.aavp.org) for the payment of dues to the AAVP for 2011 and to register (optional) for an electronic subscription to Veterinary Parasitology (VetPar). The 2011 dues year runs from September 1, 2010 to August 31, 2011. Please complete the form and mail to the address below. Please pay your dues promptly. The success of the AAVP is at least in part dependent on its fiscal survival. Emeritus members: no dues are necessary; only address and e-mail updates; VetPar subscription optional.

PLEASE PRINT

Name _____
FIRST MI LAST

Institution/Business Affiliation _____

Address _____

City _____ State/Country _____ ZIP _____

Telephone No. _____ Fax No. _____

e-mail address _____
(Please print clearly; your email is important if you want to receive reminders/information from AAVP and the on-line subscription of VetPar)

Area(s) of Interest, Research, Teaching, etc. _____
_____
_____

On-line Subscription to *Veterinary Parasitology*: ($37.00 annually, optional): Yes☐ No☐

Annual Dues: $30.00 ($10.00 for students) in U.S. Funds. Checks must be 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. Checks from Corporations should include the name of the person for whom the dues are being paid. Cash is acceptable. You are welcome to pay ahead for multiple years. AAVP accepts Credit Cards (AmEx/MC/VISA) on-line or by contacting the Secretary/Treasurer.

Amount enclosed:

$30.00 regular dues only	☐
$10.00 student dues only	☐
$67.00 regular dues plus VetPar	☐
$47.00 student dues plus VetPar	☐

Return to:

Dr.Bob Arther
Secretary/Treasurer, AAVP
c/o Bayer HealthCare, Animal Health
P.O. Box 390
Shawnee, KS 66201 USA
913 268-2503; Fax 913 268 -2541
Email: bob.arther@bayer.com

If you have any questions about your dues status, please call or email Bob Arther.

2011 New Membership Application

AMERICAN ASSOCIATION OF VETERINARY PARASITOLOGISTS
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 or cash (regular membership $30.00; student membership $10.00*, U.S. currency only or by credit card at ww.aavp.org) payable to the AAVP, to the Secretary/Treasurer at the address given below. The 2011 dues year runs from September 1, 2010 to August 31, 2011. As an AAVP member, an electronic subscription to Veterinary Parasitology (VetPar) is available annually for an additional $37.00.

Name and Academic Degree (s) _____ Institutional/Business Affiliation _____

Mailing Address (Office/Lab) _____ Title _____

Phone Number _____ Fax Number _____ Email Address (**required** to receive AAVP Newsletter and VetPar) _____

Area(s) of Interest, Research, Teaching, etc. _____

Amount enclosed (check one): $30.00 Regular dues only • $10.00 Student dues only •
$67.00 Regular dues + VetPar • $47.00 Student dues + VetPar •

2010-2011 OFFICERS

PRESIDENT Dr. Karen Snowden College of Veterinary Medicine Texas A&M University College Station, TX 77843 ksnowden@cvm.tamu.edu	**VICE-PRESIDENT** Dr. Alan A. Marchiondo Pfizer Animal Health 7000 Portage Road Kalamazoo, MI 49001 USA 269-833-2674 alan.marchiondo@pfizer.com	**IMMEDIATE PAST- PRESIDENT** Dr. Lora R. Ballweber Colorado State University 1619 Campus Delivery Fort Collins, CO 80523 lora.ballweber@colostate.edu
SECRETARY-TREASURER Dr. Bob Arther Bayer HealthCare, Animal Health P.O. Box 390 Shawnee, KS 66201 913 268-2503 bob.arther@bayer.com	**PRESIDENT- ELECT / 2011 PROGRAM CHAIR** Dr. Patrick Meeus Pfizer Animal Health 7000 Portage Road Kalamazoo, MI 49001 269-833-2661 patrick.meeus@pfizer.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 highly encouraged and should be submitted by the 20th of the month prior to each date of issue.

AAVP Newsletter Deadlines for Submissions

Newsletter	Deadline
February 2011	January 28, 2011
June 2011	May 27, 2011
October 2011	September 30, 2011

Please contact the editor with questions regarding these dates.